Peach Tree and Lower Surveyors Creeks Flood Study

Final Report

Volume 3 of 3: Appendices

April 2019

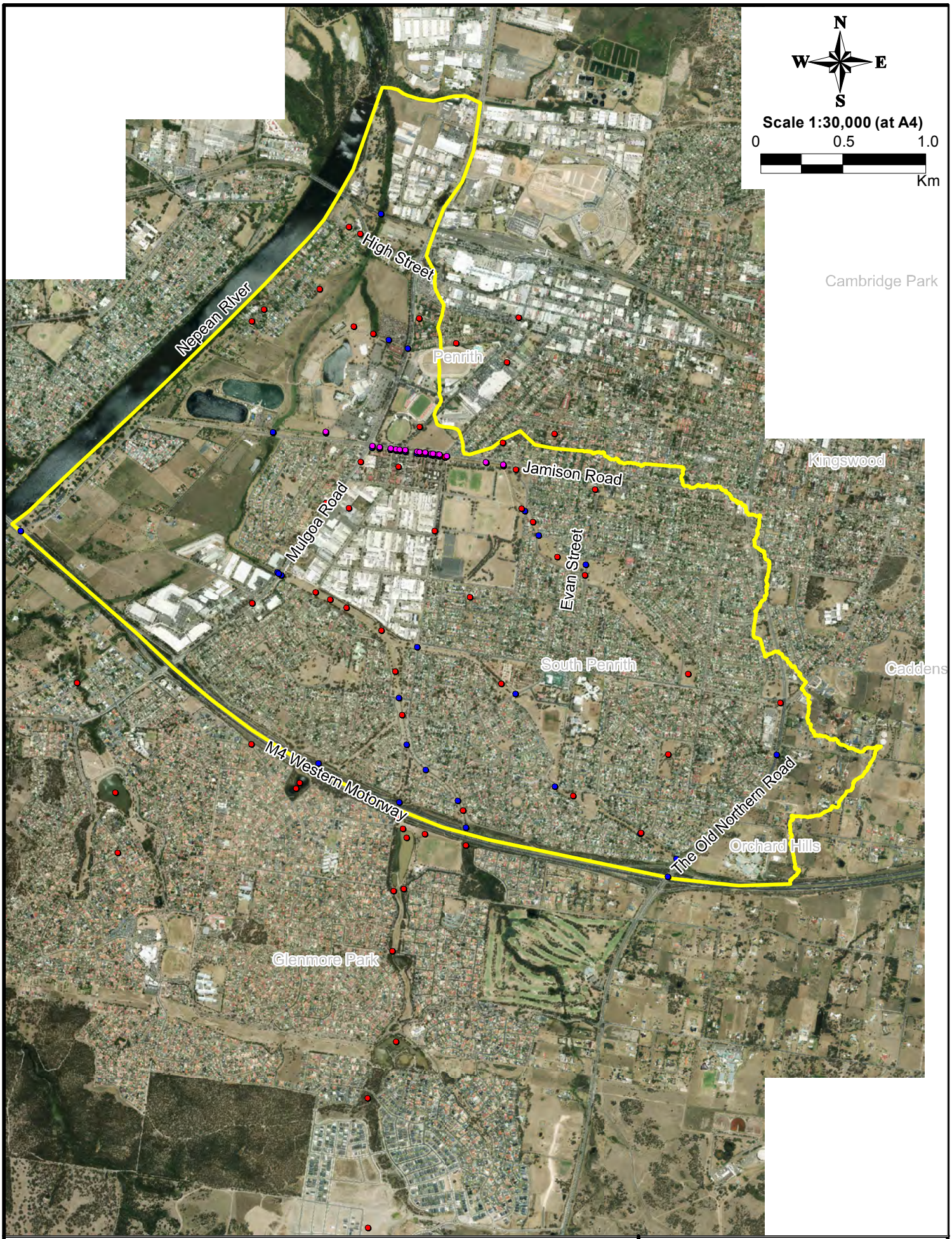
PENRITH CITY COUNCIL

Catchment Simulation Solutions

LIST OF APPENDICES

APPENDIX A

EXTENT OF AVAILABLE INFORMATION

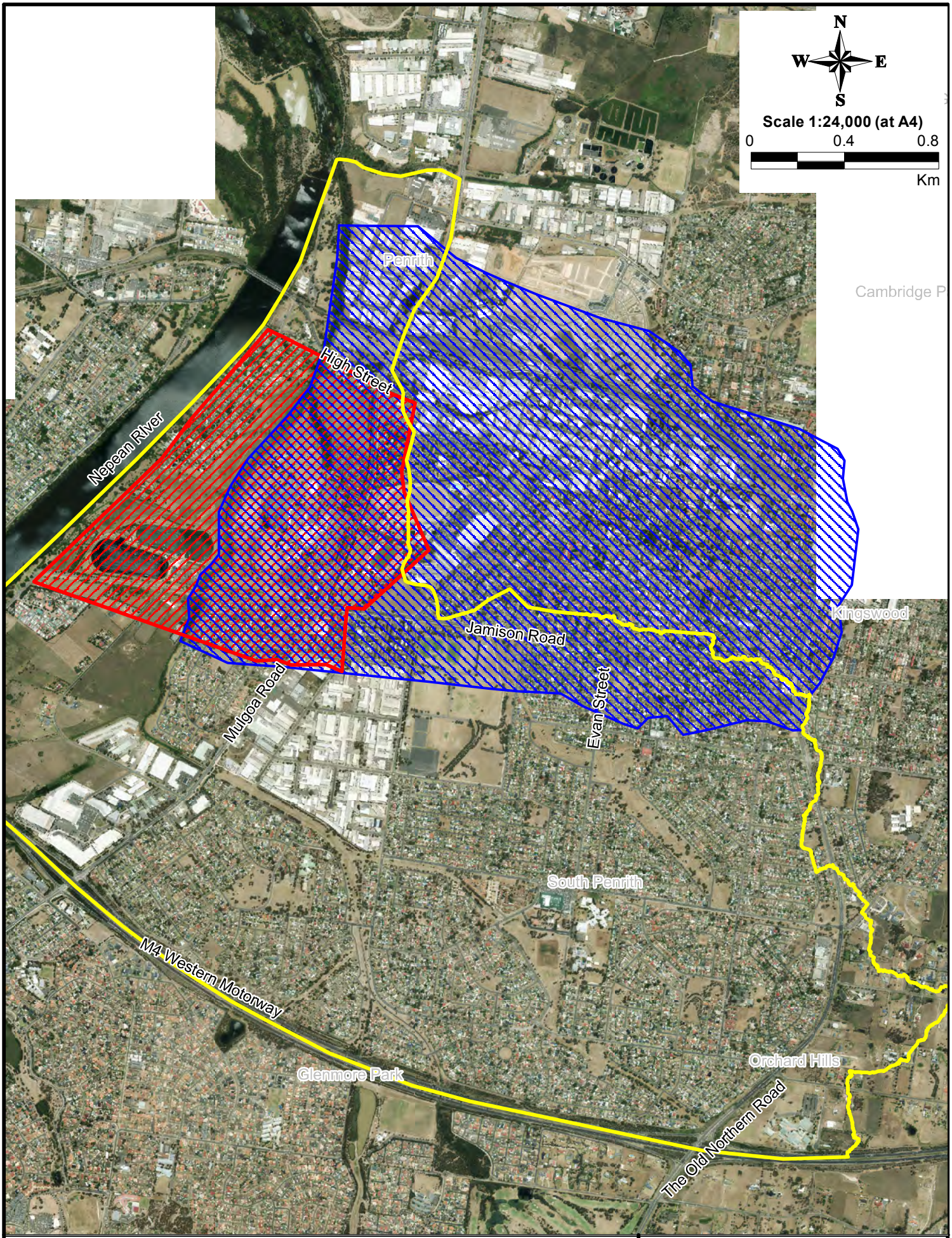


LEGEND

- Drainage Structures from Plans
- Bridge From Penrith Overland Overview Study
- Drainage Structures from Penrith CBD Flood Study
- Study Area

Figure: A1

Extent of Available Drainage Structures

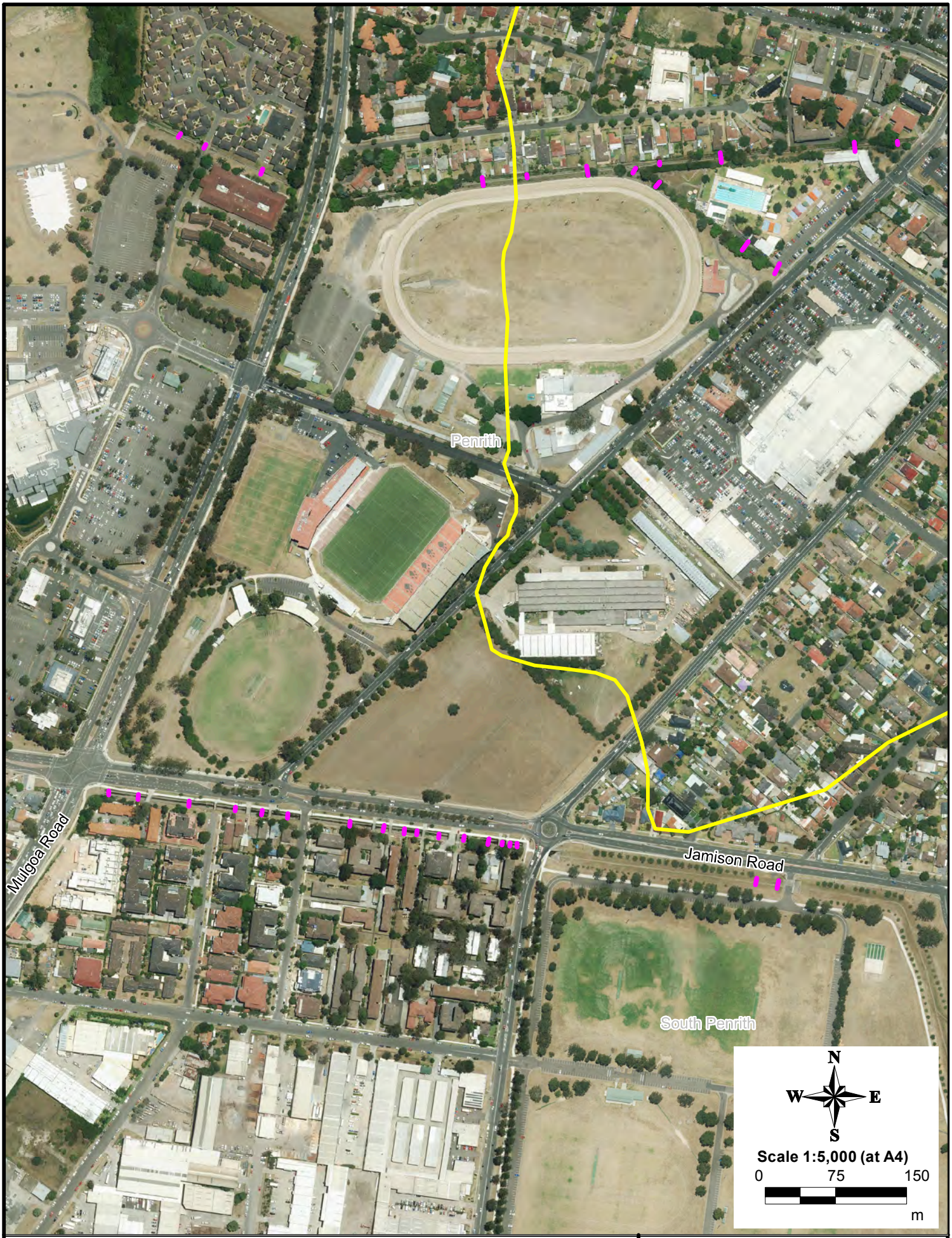


LEGEND

- Panthers TUFLOW Model Extent
- Penrith CBD Flood Study Model Extent
- Study Area

Figure: A2

Extent of Existing Computer Flood Models



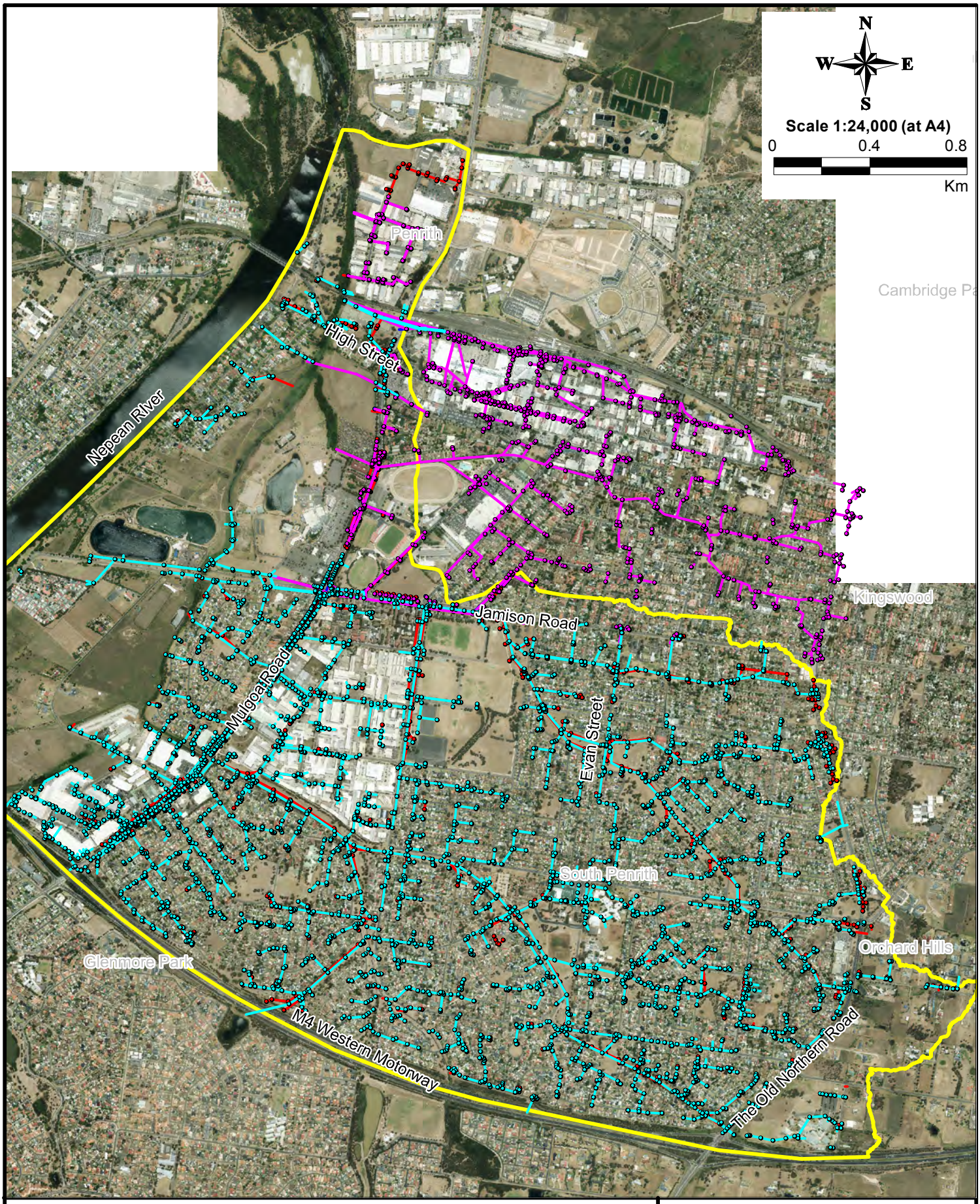
LEGEND

Study Area

Cross Section from Penrith CBD Flood Study

Figure: A3

Extent of Available Cross Sections

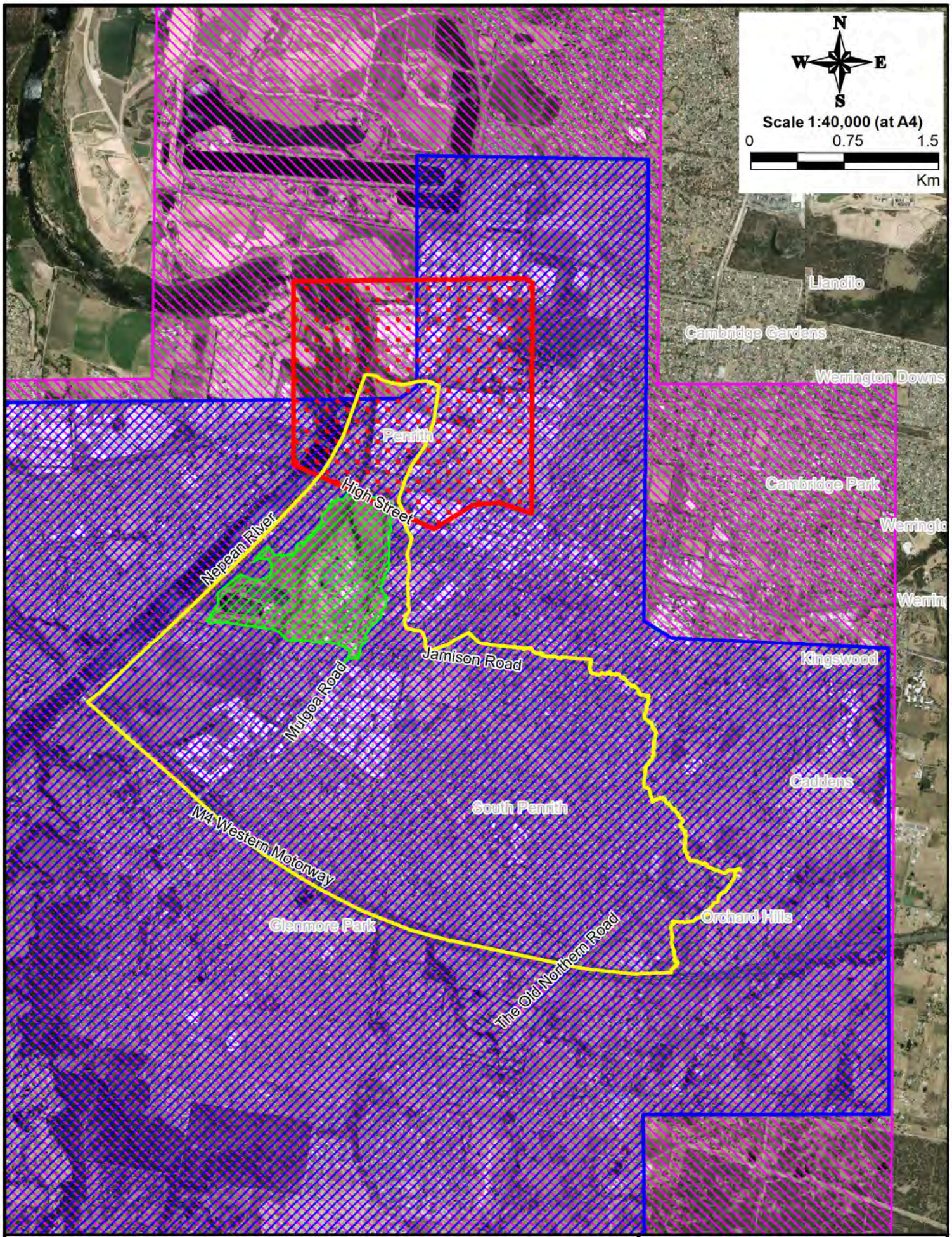


LEGEND

- Stormwater System Surveyed for Current Study
- Stormwater System from Asset Survey
- Stormwater System from Maps/Plans
- Stormwater System from Penrith CBD Flood Study
- Stormwater Pit
- Stormwater Pipe

Figure: A4

Extent of Available Stormwater Network



LEGEND

- Extent of 2011 LiDAR
- Extent of 2016 LiDAR
- Extent of 2002 ALS
- Study Area
- Detailed ground survey collected by Freeburn Surveyors as part of Panthers Precinct flood assessment

Figure: A5

Extent of Available Topographic Information

APPENDIX B

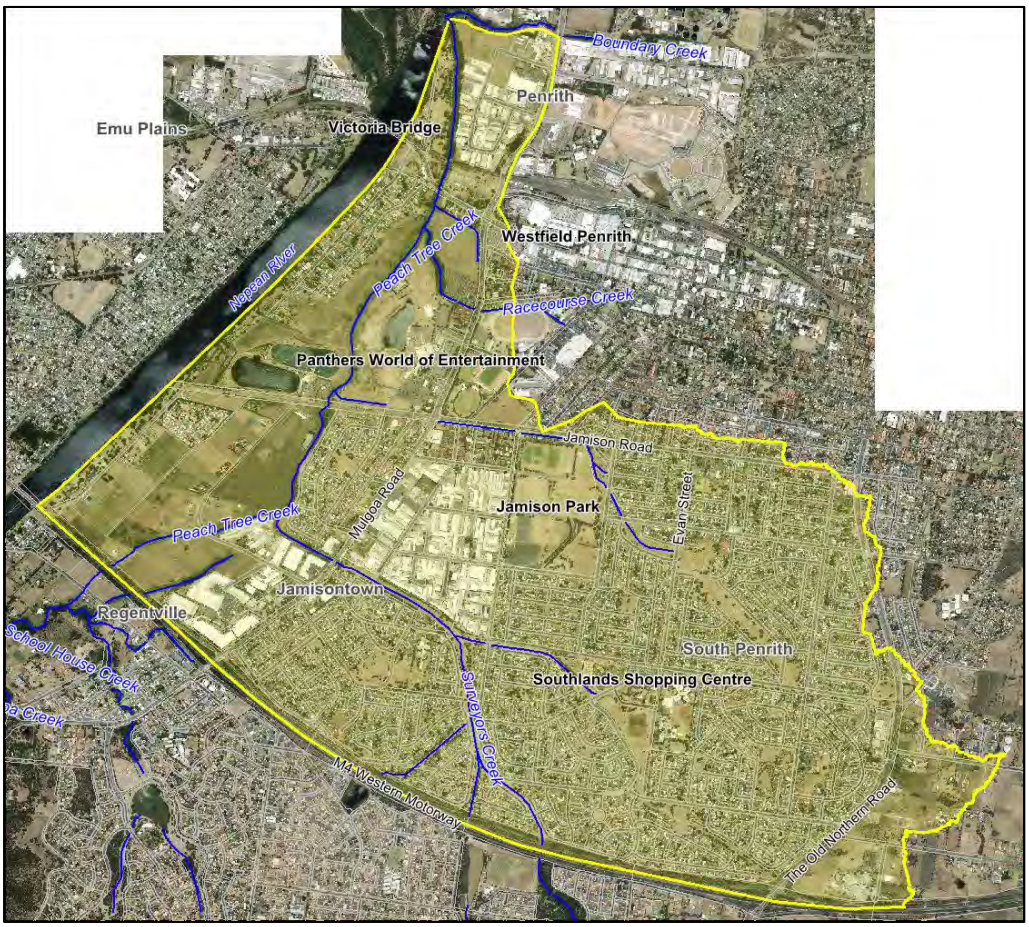
COMMUNITY CONSULTATION

PEACH TREE AND LOWER SURVEYORS CREEK FLOOD STUDY

INFORMATION SHEET

INTRODUCTION

Council is in the initial stages of preparing a flood study for the Peach Tree and Lower Surveyors Creeks catchment. The extent of the catchment is shown in the map below and includes the suburbs of Penrith, South Penrith and Jamisontown. During most rainfall events across the catchment, runoff is carried by the stormwater system into a network of drainage channels which ultimately flow into Peach Tree or Surveyors Creek. But during heavy rainfall there is potential for the capacity of the stormwater system to be exceeded, leading to overland flooding. Flood waters can also overtop the banks of the local creeks as well as the Nepean River during large floods resulting in inundation of the adjoining floodplain.



Extent of the Peach Tree Creek and Lower Surveyors Creek study area

The study will be overseen by the Penrith Floodplain Risk Management Committee, and is receiving financial and technical support from the State Government under the Floodplain Management Program.

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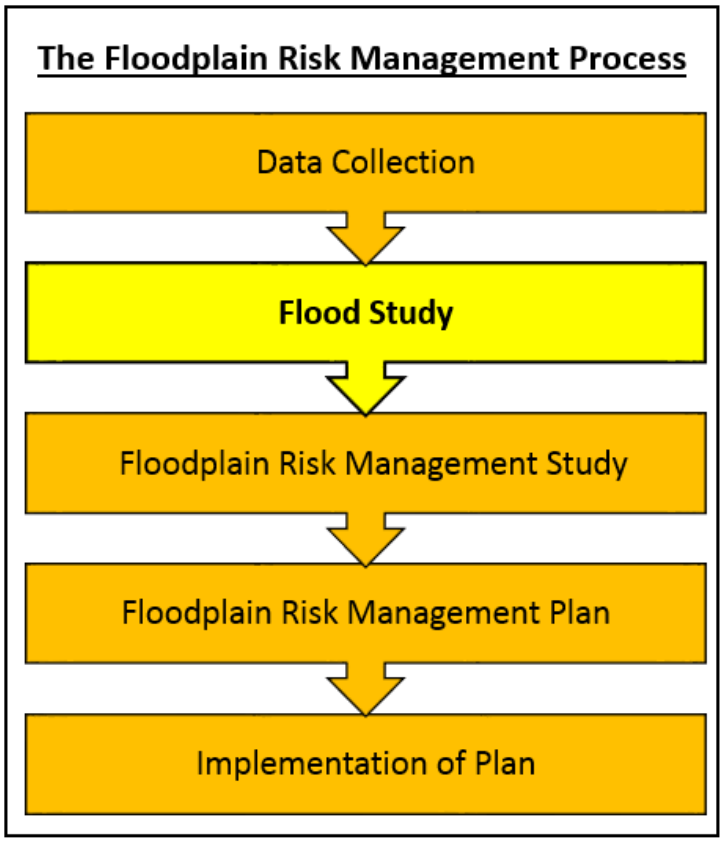
WHY DO WE NEED TO PREPARE A FLOOD STUDY?

Flooding is the most costly natural disaster in Australia, causing an estimated $314 million worth of damage each year. Over 2,000 people have lost their lives due to floods in Australia. However, flooding is also one of the most manageable natural disasters as we can reasonably predict what areas will be subject to inundation.

Under the NSW Government's Flood Prone Land Policy, the management of flood prone land is, primarily, the responsibility of local councils. The policy specifies a staged process to manage the flood risk. This includes data collection, a flood study, a floodplain risk management study and plan, and implementation of the plan (see flowchart below).



Council will follow this staged process to manage the floodplain in your area. The "Data Collection" stage of work is largely complete and we are now in the initial stages of the "Flood Study" stage of the process.

The preparation of a flood study will help Council to understand the existing flooding problem within the catchment. It will also help to identify where flood risk reduction measures may be best implemented to reduce the cost of flooding to the community, assist with emergency management and guide future development.

WHAT IS INVOLVED IN PREPARING A FLOOD STUDY?

The primary objective of the flood study is to identify the nature and extent of the existing flooding problem. The preparation of a flood study involves a considerable amount of work including the following tasks:

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- collection and review of all available flood-related information for the area.
- development of computer flood models to simulate the transformation of rainfall into runoff and to determine how that runoff would be distributed across the catchment.
- calibration of the computer models to reproduce historic floods.
- use of the computer models to simulate a range of hypothetical floods from relatively frequent storms right up to the largest flood that could possibly occur.
- preparation of a flood study report and maps summarising the outcomes of all stages of the investigation.

HOW YOU CAN BE INVOLVED...

Council recognises that the community holds important information about past floods that will help identify flooding 'trouble spots' and assist in calibrating the computer flood models. The study team will consult with the community at various stages throughout the study to obtain this information:

- a **questionnaire** is included with this information sheet and also available online – we encourage you to complete it to share your flood experiences.
- once the computer model is developed we will meet with interested residents and business owners who have experienced flooding problems to verify the model is replicating these past experiences.
- once the draft flood study report is prepared, the report will be placed on public exhibition and a **community workshop** will be held to give you an opportunity to review the report and associated mapping and ask questions about any aspect of the study. Any comments from the workshop and public exhibition will be reviewed and addressed as part of the final report.

WEBSITE

A website has been established for the study: peachtree.floodstudy.com.au/. The website will provide the latest available information on the study including details of the above community consultations. An online version of the questionnaire is also available on the website.

FURTHER INFORMATION

For more information or to submit any information you think may be relevant to the study, please contact:

Catchment Simulation Solutions	**Penrith City Council**
David Tetley	Joshua Coates
Phone: 8355 5501	Phone: 4732 7961
Email: dtetley@csse.com.au	Email: joshua.coates@penrithcity.nsw.gov.au

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PEACH TREE AND LOWER SURVEYORS CREEK CATCHMENT FLOOD STUDY

COMMUNITY QUESTIONNAIRE

Council has engaged Catchment Simulation Solutions to undertake a detailed flood study for the Peach Tree Creek and Lower Surveyors Creek catchment, which includes the suburbs of Penrith, South Penrith and Jamisontown.

We encourage you to complete and return this questionnaire to share your experiences and records of flooding in the catchment. This valuable input will help us prepare an overland flow flood study for the catchment – please see the enclosed Information Sheet for more details.

The questionnaire should only take about 10 minutes to complete. Please try to answer as many questions as you can and give as much detail as possible (attach additional pages if necessary). Please return the completed questionnaire via email (dtetley@csse.com.au) or mail (no postage stamp required) by Friday 25 August 2017. Alternatively, you can complete the questionnaire online at: peachtree.floodstudy.com.au

If you have any questions or require further information please contact:

Joshua Coates from Penrith City Council on 4732 7961 or

David Tetley from Catchment Simulation Solutions on 8355 5501

CONTACT DETAILS - OPTIONAL

Providing contact details is optional, but will assist us in identifying where flooding problems have been experienced and to contact you if we need to clarify any of your responses. If you choose to provide contact details, this information will remain confidential at all times and will not be published. Furthermore, we will not contact you unless you would like us to do so (refer Question 11).

Name: _____

Address: _____

_____

Phone number: _____

Email: _____

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1) WHAT TYPE OF PROPERTY DO YOU LIVE IN/OWN?

- ☐ Residential
- ☐ Commercial
- ☐ Industrial
- ☐ Vacant land
- ☐ Other (please specify): _____

2) WHAT IS THE OCCUPIER STATUS OF THIS PROPERTY?

- ☐ Owner occupied
- ☐ Rental property
- ☐ Business
- ☐ Other (please specify): _____

3) HOW LONG HAVE YOU LIVED, WORKED OR OWNED PROPERTY IN THE AREA?

(a) At this address? _____

(b) In the general area? _____

4) HAVE YOU EVER BEEN AFFECTED BY FLOODING?

- ☐ Yes
- ☐ No (please go to Question 11)

5) HOW WERE YOU AFFECTED BY FLOODING? (YOU CAN SELECT MORE THAN ONE)

- ☐ Roadway was cut by water
- ☐ My front/back yard was flooded
- ☐ My garage was flooded
- ☐ My house/business was flooded
- ☐ Other (please specify) _____

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6) CAN YOU PROVIDE ADDITIONAL INFORMATION ON THESE PAST FLOODS? (PLEASE ATTACH ADDITIONAL PAGES IF YOU HAVE INFORMATION FOR MORE THAN TWO FLOODS)

	Flood #1	Flood #2
Date of flood(s)	☐ January 2016 ☐ February 2012 ☐ August 1990 ☐ August 1986 ☐ March 1978 ☐ Other: _____	☐ January 2016 ☐ February 2012 ☐ August 1990 ☐ August 1986 ☐ March 1978 ☐ Other: _____
Can you tell us the flood water depth/height & location		
How confident are you of the height/depth of the flood?	☐ High (exact) ☐ Medium (within 10cm) ☐ Low (within 50cm)	☐ High (exact) ☐ Medium (within 10cm) ☐ Low (within 50cm)

7) DO YOU HAVE ANY PHOTOS OR VIDEOS OF THESE FLOODS?

☐ Yes

☐ No

If 'Yes', a copy of these photos/videos would assist our study. Please note below if you would like these returned to you.

☐ Yes, please return these to me after the study is completed.

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8) WAS YOUR PROPERTY DAMAGED BY FLOODWATERS?

☐ Yes

☐ No

If 'yes', please provide details_____

_____

_____

9) IN YOUR OPINION, WHAT WAS THE MAIN CAUSE OF THE FLOODING? (YOU CAN SELECT MORE THAN ONE)

☐ Insufficient creek capacity

☐ Insufficient stormwater capacity

☐ Blockage of creeks, stormwater inlets, bridges or drains

☐ Overland flow impediments (e.g. fences, buildings)

☐ Other (please specify) _____

10) WOULD YOU LIKE US TO MEET YOU IN PERSON TO DISCUSS YOUR FLOODING EXPERIENCES?

☐ Yes (please ensure that you have completed your contact details on page 1).

☐ No

11) CAN WE CONTACT YOU TO OBTAIN ADDITIONAL INFORMATION AND/OR CLARIFY ANY OF YOUR RESPONSES?

☐ Yes (please ensure that you have completed your contact details on page 1).

☐ No

12) DO YOU HAVE ANY OTHER COMMENTS, INFORMATION OR SUGGESTIONS YOU THINK MAY ASSIST THE STUDY?

_____

_____

_____

_____

_____

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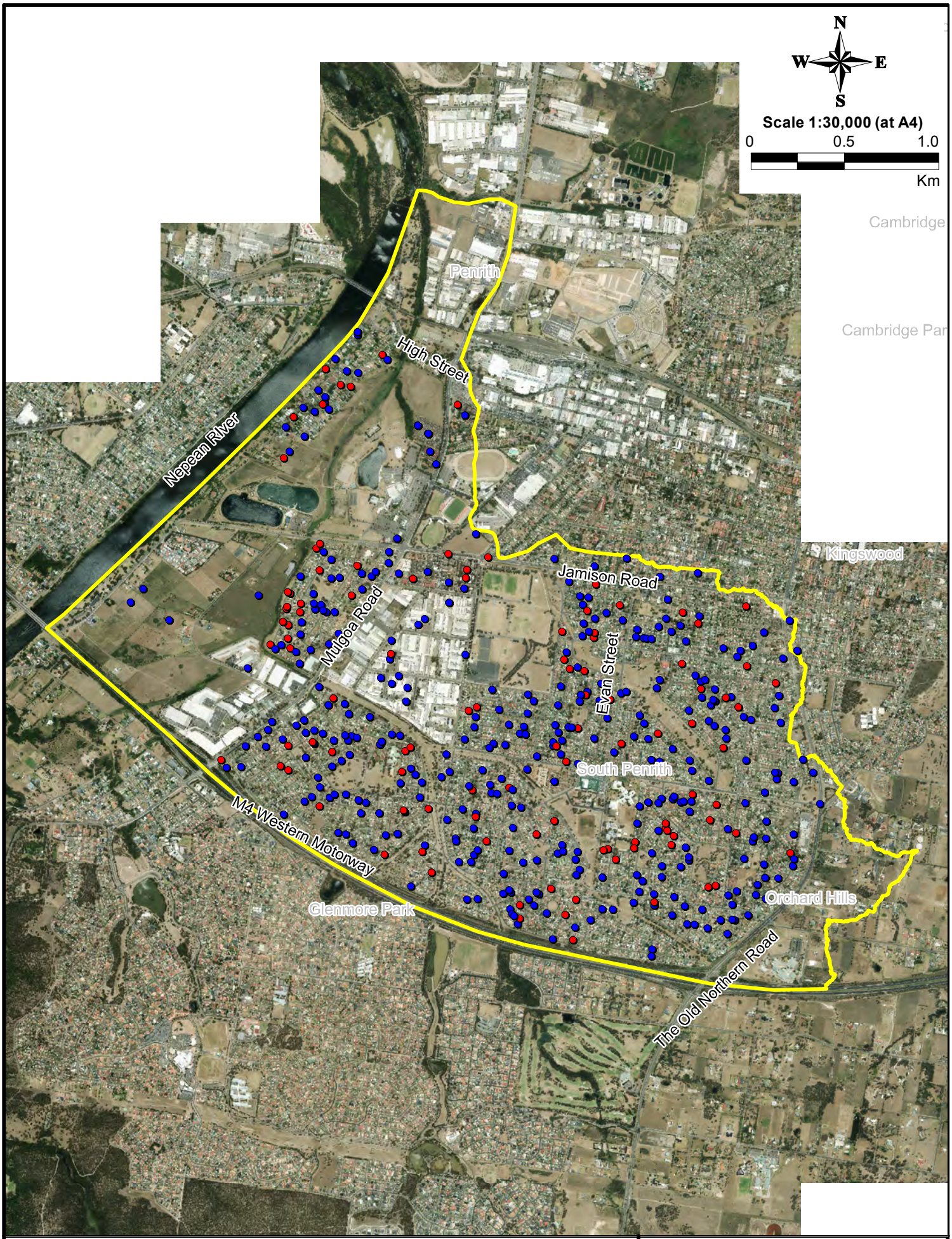

LEGEND

Questionnaire Response Locations
Has flooding been experienced?

- Yes
- No

Study Area

Figure: B1

Spatial Distribution of Questionnaire Responses

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?						Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
1	Y					Y					8 Years		Y	Y	Y					January 2016, February 2012, February 2013	At least 2 meter	Medium(With in 10cm)			N				Y				N	Y	Survivor creek running behind anakai drive is stlu in near of Cleaning up it is a rubbish tip coming from clonmore place
2	Y					Y					18 Years	30 Years	N																					Y	Funds Should be allocated to deal with any flooding issues as this is an important area be future development do not waste scarace funds on crazy ideas such as previons ideas for nepean ave narrowing/bike walk way etc
3		Y					Y				8 Months		N																					Y	
4	Y					Y					SINCE START OF 2017		Y		Y	Y				May-17			Y	NOT HARD COPY SORRY	Y	we had to throw out things that got wet & damaged due to flood underground		Y	Y	Y				Y	Y	Better drainge in the area to keep up with rain water & neyhbours water
5	Y					Y					19 years		N																					N	
6	Y					Y					30 Years	30 Years	N										N											Y	NO
7	Y					Y					35 Years	35 Years	N																					Y	
8	Y					Y					42 Years	42 Years	N																					Y	River grass Reeds etc need to be restricted eradicated to allow the smooth and rapid drainage of excess rain water in the nepean river catchment area incluse of the surveyors greek peachtree system.
9	Y					Y					31 Years	63Years	N										N											Y	
10	Y					Y					46 Years		N												Y									Y	
11	Y					Y					7 Years	7 Years	N																					Y	
12	Y						Y				14 Month	10+ years	N																					Y	
13	Y					Y					9 Years	30 Years	Y					Y							Y									N	
14	Y					Y					31 Years		N																					Y	
15	Y					Y					36 Years		Y	Y	Y					August 1986,1990	Roadway up to above Gutter height	Medium ,Medium	N		Y		Y	Y	Y				Y	Y	Our Backyard has got very uggy & damp many times unit this has always gone away.The neighbours have complained about muciff from our property on ourland to higher then their and we have been very careful with working for years & they have not said anything for a while now.Roadway Flooding caused me to breakdown once
16	Y						Y				28 Years	56 Years	N							Mar-78	Affected the western bank of newpeason river along river rd more then the estern bank,although land subsidence scarred on both banks,river rd was cut completely (south of the	High (exact)	N											Y	The Street where my property is located has never floded to my knowledge,in at least the last 56 years,I welcome this studay as it is long overdue to reslove the flooding restrictions on my property.i cannot redevelop the property due to councile hght constrants which appear totally unwanted as things are at present.Thanks you
17	Y					Y					36 Years	36 Years	N								Rain munoff several/unches/somn)can ve more,however the house floor boards are aproximately 300 mm at lowest point.		N											Y	Have had heavy munoff during exstreme dreampours,the munoff is from our property & adjouning properties & flooding under the house occurs,however it does not damage the house & eventually drains away.
18	Y					Y					46 Years		N																					Y	
19	Y						Y				10 Years		N																					Y	
20	Y					Y					47 Years		N																					N	
21	Y								Immediate Family Occupied		Since 1988		N																					Y	no
22	Y					Y					17 Years	40 Years	N												Y								N	N	
23	Y					Y					15 Years		N										N											Y	no
24	Y					Y					28 Years	31 Years	N																					Y	no
25	Y					Y					29 Years	35 Years	N																						no flood on my property
26	Y					Y					40 Years	40 Years	N							Mar-78	Water level reached a dip in the river Rd on the Emu Plains side Directly across from boat jump on teach ave.The house on the river just south of the m4 bridge on the eastern bank of the river had their back yards completely under water and in some cases had entered the houses.the water was close to reaching tench ave where it dips under the m4 bridge.	Low (With in 50 cm)	N											Y	
27																					No flood in my area														
28	Y					Y					40 years		N										N											Y	
29	Y					Y					35 Years		N							Mar-78	Front aprox 150m	Low (With in 50 cm)	N											Y	prity well kept under control
30	Y					Y					26 Years		N																					N	
31	Y					Y					39.5 Years		Y	Y						Aug-86	Top of Gutter to gutter across road.	High (exact)	N		N			Y	Y				N	Y	
32	Y					Y					17 Years	43 years	N																						no
33			Y					Y			13 Years		N										N											N	
34	Y					Y					34 Years		N																					Y	
35	Y					Y					47 Years		N										N		N								N	N	This is a Road of chap-its an opportunity to make rises in the rates and the insuracne companies to lift their rates also it would be great to see a street sweeper in our area occasionaly instead of every six months only if you ring up and complain-we are forgotten area of penrith now and this new area are heing developed
36	Y					Y					48 Years	11 Years	N																					Y	What a waste of money sending the our when we are not in a flood area.does not have something to do with taking out parpo from us.penrith councile is dogave real estate agents Lan development should not be allowed to the councilton.
37	Y					Y					31 Years	41 Years	N																					Y	no
38	Y					Y					46 Years		N																					Y	
39	Y					Y					37 Years		N																					Y	
40	Y					Y					27 Years		Y		Y					Aug-90	Part of my rear yard covered by some of water but did not reach property-came within 10 meters of dwelling caused no dyoiage				N		Y		Y				N	Y	Although peach tree creek swells dramatically in heavy rain perions it has only come into my backyard once in 27 years-over the last 10 years water level appears to subside quite readily once rain has stopped.
41	Y					Y					24 Years	20 Years	N										N											Y	NO
42	Y					Y					20 Years	45 years	N																					N	NILL
43	Y					Y					2 Years		N																					Y	
44	Y					Y					1987 - 2017	1978 - 1987	N										N											Y	NO
45	Y					Y					1977		N										N											Y	
46	Y					Y					19 Years	26 Years	N																					Y	
47	Y					Y					34 Years		N								Did not affect us.only flooding at nepen river tench st never been flooded	Low (With in 50 cm)	N											Y	
48	Y					Y					24 Years		N																					N	No
49	Y					Y					8 Years	20 Years	N								NO		N											Y	
50	Y						Y				10 Years	46 Years	N																					Y	
51	Y					Y					29 Years	29 Years	N																					N	
52	Y					Y					37 Years	50 Years	N																					Y	No
53	Y					Y					30+ Years		Y	Y						Aug-86	Road up to near letter box.		N		N		Y						N		The floodin occurred before the drainage for the creek was done to accomadate panthers
54	Y					Y					64 Years		N												N								N	N	
55	Y					Y					Since 1985	Since 1985	N																					Y	Sorry I have no comments since there has never been a flood this way.
56	Y					Y					2 Years 2 Month	25 years	Y			Y							Y		N	Lived at 61 pindari drive sth penrith for 23 years had two way garage so no real dumage					My storm water inlet blocked with grsidd clipping from mowing lawn.			N	Y	
57	Y					Y					34 Years	47 Years	N																					Y	Restrict further development(housing)within the penrith council area.additional housing(homes/units)is putting too much pressure on existing infrastructure,which is struggling at present.
58	Y			Ruler Residential		Y					35 Years		N					Y					N		N		Y		Y				N	Y	
59	Y					Y					5 Years	25 Years	N																					Y	
60	Y						Y				6 Years		N																					Y	
61	Y					Y					15 Years		N																					Y	
62	Y					Y					5 Years	5 Years	N																					N	
63	Y					Y					48 Years	48 Years	N										N											N	No
64	Y						Y				5 Years	48 Years	N										N											N	No
65	Y					Y					37 Years	56 Years	Y	Y						february 2012 ,August 1986	Thurwood Rd was covered with water on the low side about half a meter in depth on the low side of the street	Medium ,Medium	N		N		Y						N	Y	
66	Y						Y				6 Month		N																					Y	
67	Y					Y					28 Years	38 Years	N										N						N/A		N			Y	No
68		Y						Y		S	20 Years	38 Years	N					Y					N		N/A				N/A		N			Y	
69	Y					Y					6 Years	37 Years	N																					Y	
70	Y					Y					5.5 Years		N																					N	
71	Y					Y							N																					Y	No,not really
72	Y					Y					25 Years		N																					N	No
73	Y					Y					May-84		Y	Y									N		N				Y				N	N	
74	Y					Y					29 Years		N																					N	Good work / Idea keep doing things like this for the good of our community.
75			Y				Y				9 Years	Jamistwon	N										N											Y	Drains In Car Park Backed wih Boey rd Flooding
76	Y					Y					36 Years		N																					Y	
77	Y					Y					24 Years		N																					Y	
78	Y					Y					41 Years		N																					Y	
79	Y					Y					4 Years	29 Years	N												N									Y	
80	Y					Y					Since 2000 (16 th June)		Y		Y					Janurary 2016,February 2012	4"	Medium ,Medium	N		N						Extra heavy downpour.			N	N	
81	Y					Y					38 Years		N																					Y	
82	Y					Y					Since 22 nd Seotember 2016	About 40 Years	N																					Y	
83	Y					Y					15 Years	40 Years	N								The water coarse laps the top of the banks but we have not seen it break.		N											Y	We Thought that the water coarse used to clear away a lot Quicker,Before the council altered-improved the draines in the water coarse-apparently to reduce the speed of water entering surveyers creek.
84	Y					Y					10 Years	60 Years	N										N											N	
85	Y					Y					45 Years		Y		Y								N		N				Y				N	Y	Attend the Drain System To include my Hous and the House on the Corner of Hillview and Greenhills ave this property is below mine
86	Y					Y					24 Years	30 Years	N																					Y	

Questionnaire Responses.xlsx

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?							Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
87	Y					Y					25 Years	25 Years	Y		Y	Y				January 2016:February 2012	Went through 3 properties no 36 - 38 - 40 wardell drive 5th penrit	Medium ,Medium	N	Y	Y	Back retaining wall damaged water went through laundry and out tarage door.		Y	Y				N	N	Rain is Rain,it goes Through Pipes & drains,some one put Them there but wont repair them,we own the property Behind KFC,no one wants to Help
88	Y					Y					35 Years		N																				N	I have never experience any flooding what so ever my area.we have rain that hard that it took the storm water drain quit some time to dispense,but it was definitely due to the volum of Rain.
89	Y					Y					7 Years	30 Years	Y	Y						Jan-16	See Q.12	Medium ,Medium	N		N			Y	Y				N	N	Flooding over road -Lyn lot & lois Ct intersection -york Rd between abel st oreotoon st
90				Vacant Land					No Occupied		1987		N																					Y	
91	Y					Y					8 Years	15 Years	N																					Y	
92	Y					Y					14 Years	34 Years	N												N								N		The storm water drain can smell on occasioon like semer and the cause way is quiet dangers when flooded
93	Y					Y					37 Years		N										N										N	Y	
94	Y					Y					30 Years	30 Years	Y	Y			Y			?	Street drain blocked water rose on to our lawn 1metrs to 2 metres on our prourty above road level		N		N			Y	Y		Torrential rain fall flooded street			N	Y	Has only happened 5 or 6 time
95	Y					Y					40 Years		N												N								N	N	
96	Y					Y					More then 2 Years		N																					Y	
97	Y						Y				5 Years	5 Years	N																					Y	
98	Y						Y				6 Years		N																					N	
99	Y					Y					2 Years		N										N											Y	no
100	Y						Y				2 Years		N																					N	N/A
101	Y					Y					Since 1984		N							Aug-86	It come up to the levy or south land oval a low level of water was over york road and birmnghen.But that was very heavy rain fall for for numerus days	High (Exact)	N													Y	
102	Y					Y					10 Years	Most of our lives.	N																					N	I am happy to do this survey but do not understand how you waste money on this when you should already have the information and could be using these funds on our local hospital which are very under staffed or a lona wait time to be seen to?
103	Y					Y					30 Years		N																					N	
104	Y					Y					Mar-16	14 Years	N										N												
105	Y					Y					11 Years		N																					Y	
106	Y					Y					38 Years		Y		Y								N		N					(Don't Know) Was of rain with now here to go.			N	N	
107	Y					Y					37 Years		N																					N	Can not understand why you would thinkthis is a flood zone.
108		Y					Y				Since 1995	Since 1995	N																					Y	We have never been close to flooding of the site.I can not believe that it would ever flood.
109	Y						Y				10 Years	10 Years	N																					Y	I am very new to this area and it is an investment property.so I don not know much of the flood history about this.
110	Y					Y					26 Years	33 Years	N										N											Y	Cleaning Gutters Would Help the water to go into the Drains
111	Y					Y					43 Years	43 Years	N																					Y	
112	Y					Y					33 Years		N																					Y	No
113	Y					Y					24 Years	34 Years	N																					Y	
114	Y					Y					37 Years		N																					Y	
115	Y					Y					45 Years	45 Years	N										N											N	
116	Y					Y					30 Years		Y	Y											N		Y						N	Y	
117	Y					Y					39 Years	39 Years	Y					Y		N/A	N/A	N/A	Y		N					E ither the stormwater Pipes are too small for very high downpowers or there was some sour of blockage			N	Y	I don't think my expereince was an issue,I'm just letting you know it happened I think occassioned checking of stormwater outlets should be made to ensure there is no major obstructins.
118	Y					Y					30 Years		Y	Y	Y	Y				2006,2003	Came up to our front door,poured into Garage then side or house back yard House is on a concrete slab,for flood 23treet Flooded only did not affect us except cars no able to move for a few hourse		N		N			Y					N	Y	I feel the stormwater drain was either blocked or not enough capacity.we are at the bottom of slight hill
119	Y					Y					8 Years	57 Years	N										N		N									Y	
120	Y					Y					41 Years 9 month		Y			Y							N		N					Broken water pipes under Roadway		N	N	A Couple of time there has been water across street at the park area but it was from storm water drain blockage during heavy rain did not go above gutter level & subsided in under 30 mins
121	Y					Y					29 Years		N																					N	Storm water drains need to be cleaned on a refular basis
122	Y					Y					3 Years	20+ Years	N																					Y	
123	Y						Y				18 Month		N																					Y	
124		Y					Y				67 Years		N										Y		Y	Front Garden where letter box is needs new mulch/bark replaced after every flood episode		Y					Y	Y	Back Yard is constantly wet Front yard is Constantly wet,First time we witnessed the road flooding we were shocked but our neighbours advised us that this always happens
125	Y					Y					67 Years		N																					Y	Never been water on this land
126	Y					Y					20 Years	48 Years	Y																					Y	Never been water on this land
127	Y					Y					19 Years	40 Years	N								Ankle deep onn jamison Edd sections of york rd lethbrpdles st	Low (with in 50cm)	N		N						Too much rain		N	Y	Be careful what you publish.me was time you released info stating pwrity was a flood are my insurance went from $400 per yark to $2300 and me flood from me 1800's never reached my property
128	Y					Y					12 Years		N										N											Y	No
129	Y					Y					30 Years	45 years	Y		Y					Jan-16	70mm,20samuel foster drive,penrith	High (exact)	Y		N				Y			N	N	When House was Constructed the left and right side drainage pipes were connected to have only 1 outlet at kebside,causing temporary back-up & flooding at in lets during heavy downpoars,reaching max depth of 70mm.
130	Y					Y					37 Years		Y		Y					January 2016:February 2012-August 1990-August 1986			Y		N					Run-Uff from properties in nepean Ave which are higher than our block		N	Y	
131	Y					Y					13 Years	34 Years	Y	Y	Y					1/1/2016 ,5 June 2016	I am deep at corner of Yanco & Anaka/300mm deep across road	High (exact)	Y		N		Y		Y			Y	Y	
132	Y					Y					2 Years	2 Years	N																					Y	
133	Y					Y					20 Years		Y			Y				Feb-12			N		N				Y				N	Y	Tree Roob Blocking Drainage into underwater Draing.This Shows up during heavy molonged downpours.
134	Y						Y				11 Years		N																					Y	
135	Y					Y					44 Years		N										N											N	No
136	Y					Y					53 Years		N																					Y	
137	Y					Y					45 Years		N																					Y	No
138	Y					Y					2 Years	40 Years	N										N											Y	
139	Y						Y				Rental property	40 Years	N										N											Y	
140	Y					Y					55 Years		N										N											N	I Think This is a waste of rate payers money The council Should Worry about the parking problem much more important to all of us
141	Y					Y					46 Years		N										N											Y	No
142	Y					Y					15 Years	15 Years	Y	Y	Y			Y					N		N						Natural Down Hill Flow		N	Y	
143	Y					Y					15 Years		N																					Y	The Owner Directly across had water some up to there bade fence Over 20 years ago,and hence never had a problem
144	Y					Y					8 Years	13 Years	N										N											N	
145	Y					Y					30 Years		N										N											Y	
146	Y					Y					30+ Years		N																					N	
147	Y					Y					17 Years		N										N											N	Not really
148	Y					Y					57 Years		N																					Y	
149	Y					Y		Y			16 years		N																						
150	Y					Y					10 Years	30 Years	N																					Y	
151	Y					Y					41.5 Years		Y	Y	Y	Y				March 1978,August 1986	In garage 3 fit high	High (exact)	N		Y			Y	Y				N	Y	Clean streets drain more often
152	Y						Y				7 Years	41 Years	N																					Y	
153	Y					Y					40 Years		N																					Y	When Flooding occurs the tiny Bridge near wake Park jamison Rd,near Panthers,the Road Floods over
154				School					School		1983 34 Years		N																					Y	
155	Y					Y					7 Years	23 Years	N																					Y	
156	Y					Y					6 Months	17 Years	N																					N	
157	Y					Y					7 Years	7 Years	N																					Y	No Flooding experince in the complex or in the immediate area
158	Y					Y					Since 1978		N																					Y	Somy nonw as we have been unaffected-as would be the case for all our street
159	Y					Y					39 Years	As Above	N																					Y	
160	Y					Y					14		N																					Y	
161	Y					Y					20 Years	23 Years	N																					N	Why is Glenmore Park not in the survery-they have a lot of water that runs into recentvale -when heavy rains comes down?
162	Y					Y					33.5 Years	Same	N										N		N								N	Y	
163	Y					Y					18 Years	26 Years	N																					Y	
164	Y					Y					3 Years		Y		Y					Jan-16	as far an flood in the backyard I think that was due to lake of wood deuten	High (exact)			N			Y							
165	Y					Y					2 Months	37 Years	N										N											N	
166			Y				Y				Aprox 20 Years		N										N		N									Y	
167	Y					Y					55 Years		N																					Y	
168	Y					Y					13 Months		Y	Y				Y		No idea	No	No sure	N		N								N	Y	Because I only have lived here for short time I only knowabout the nepean river sometime floods
169	Y					Y					44 Years	44 Years	Y	Y						January 2016:February 2017 August 1990 August 1986 March 1978	Water across roadway at CNR green it ills and smith street	Medium (With in 10 cm)	N		N			Y				N	Y	No
170	Y						Y				Owned for 16 Years	45 Years	N																					Y	No
171	Y					Y					23 Years	23 Years	N					Y							N					N/A			N	N	No.we have never been affected by flooding in the 23 years we have lived in our home

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	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
172	Y					Y					39 Years	39 Years	N																				Y		
173		Y						Y			10 Years		N										N													
174	Y					Y					43 Years	43 Years	N										N		N					N/A			N	Y		
175	Y					Y					8 Years	8 Years	N												N								N			
176	Y					Y					30 Years	30 Years	N																					Y		
177	Y					Y					26 Years	36 Years	N																					Y		No-if we ever met flooded I cant imagine what others parts of penrith would be like
178	Y					Y					3 Years	37 Years	Y		Y	Y							N		N			Y					N	N		
179	Y					Y					38 Years	42 Years	Y		Y	Y									N				Y	Run off from hill above				Y		
180	Y					Y					57 Years		N																					N		
181	Y					Y					3 Months	39 Years	N										N		N		Y						N	Y		Clean Gutters&Drains More Reg
182	Y					Y					44 Years		N																					Y		
183	Y					Y					35 Years	35 Years	N																					N		
184	Y					Y					17 Years	17 Years	N																					N		
185	Y					Y					4 Years		N																					Y		
186	Y					Y					37 Years	60 Years	N																					Y		
187	Y					Y					15 Years		Y	Y			Y			Jan-16	unsure of the heigh/depth.Part of willoring cres was cut off for around 24 hrs.	Low(With in 50 cm)	N		Y	torrential rain caused ceiling damage.whil st this is not floodwaters rain did a fair bit of damage.on reflection,I should have					Not sure		N	N	
188	Y					Y					23 Years	1972	Y	Y	Y	Y				Flash flood 2006	Yes 12cm in garage	High (exact)	N		Y	Contents of garage		Y	Y	Y					A Couple of times since front yard has flooded as water overflowed from gutter as grkite is'nt always clear
189	Y					Y					40 Years		N																					N		No
190	Y					Y					Since 1969		N																					N		N/A
191	Y					Y					14 Years		N																					Y		
192	Y					Y					44 Years		N										N													
193	Y					Y					5 Years		N										N											N		
194	Y			Town House		Y					18 Years	80 Years	N																					Y		
195	Y					Y					40 Years	41 Years	Y		Y								N		N					Run off from partk nex door we are at bottom of slope			N	Y		Reguler Clearing and upkeep on large stormwater drains around south penrith and jamisontown would help prevention is better than clean up afterwards
196	Y			Retirement Village		Y					22 Years	22 Years	N							January 2016?February 2012	Water to top of storm water drain/Canal.														Y		Storm water Drain running through property rises quickly in times of heavy rain drain/canal is braking up-chogged with grass in need of repairs..area behind property is ok..if kepy elean and free of debris @,P.T.Continually overflows
197	Y					Y					About 30 Years		N																					Y		None but we are on in a cline
198	Y					Y					Nineteen Years		N																					Y		
199				Villa		Y					3 Years		N												N								N	N		
200	Y					Y					29 Years		N																					Y		No
201	Y					Y					2 Years		N										N											N		
202	Y					Y					40 Years		N																					Y		No
203		Y				Y		Y			16 years		N																							
204	Y					Y					5 Years	6 Years	N										N											Y		No
205	Y					Y					5 Years	5 Years	N																					N		
206	Y					Y					5 Years	12 Years	Y	Y									N		N			Y					Y		
207	Y						Y				15 Years		Y		Y	Y									Y	Water flooded under house /continue water moving the house			Y		Overflow neighbours		N	Y	
208	Y					Y					About 39 Years		Y	Y						January 2016?February 2012?August 1190?August 1986 March 1978			N		Y			Y	Y	Y				Y	Y	
209	Y					Y					25.1.1978		Y	Y	Y						Unfortunately I did not keep any records so can it assist		N		N		Y	Y	Y				N	Y	Recent years council works has seen decine in water from peachtree creek storm water crossing road still see panthers area where creek flows come up
210	Y					Y					Approx 23 Years		Y					Y					N		N		Y		Y					Y	see attached
211	Y					Y					33 Years		Y	Y						January 2016 Minor?February 2012Minor?August 1986 Worst		Medium(With in 10cm)	Y		N		Y							Y	Y	The road flooding that we experince is relativily minor.it occurs approximatly once every 3 year during mator rain events.since the creek was widined behind panthers the flooding events are not as often(but what will happen in an extreme event?)
212	Y					Y					39 Years	47 Years	Y		Y					Aug-86	Just under 5 meter floow level low side house	High (Exact)			N				Y				N		
213	Y					Y					37 Years	55 Years	N																					Y		Area on north side of wardell danne a dgacert to pladyouo playgrodell childecare center water logged after heavy rain.water poob in a hollow up to 15 cen deep.Drain to the went is not well graded.
214			Y					Y			1922	1922	N																					Y		
215	Y					Y					39 Years		N										Y											N		Nearest seven Flooding Has occurred at reserve at junction of tukana & York Rds South Penrith Has Reverntbfd a Lake at worst to east before receding.
216	Y					Y					4.5 Years		N																					Y		None
217	Y					Y					Approx 45 Years	Same	N										N											Y		None
218	Y					Y					44 Years	58 Years	N																					N		
219	Y					Y					Last 4 Years		N										N											Y		
220	Y					Y					40 Years		N										N											N		No
221		Y				Y					65 Years	68 Years	N																					Y		No
222																																				
223	Y					Y					36 Years		N					Y		March 1978 ??	Prior to the Widening a flood a around this period slightly spilleo over into thurwood ave.near the concrete footpath crossing		Y										Y		Improving Flooding Aesthetics would be appropriate as this is a pre 80's design with little consideration for the landscape.also consider an alternative access to jamison Pl= when walkway is flooded.(i.e. A path to the main enterance)
224	Y					Y					23 Years	65 Years	N																					Y		
225	Y					Y					Move July 1997		N					Y					N		N					feme but dispear quickly			N	N	None
226	Y					Y					33 Years		N																					N		
227	Y					Y					40 Years	As Above			Y					August 1990,January 2016	10 miter abovev bar of puggaree creek	High (Exact)	Y		N				Y				N	Y	Eocit from area to river has to be done
228	Y					Y					20 Years	24 Years	Y	Y	Y					February 2012,January 2016	Covered the road above the gutters onto the nature strip casuing road closue for few hrs				N				Y				N		Recular remover of waste materias & drain food counters would replace the blackage instances of ngturrz creeks & stormwater run offs.permanment Cleanup australia day project would get the area residents involved.
229	Y					Y					50 Years	50 Years	N																					N	Y	
230	Y					Y					5 Years		N										N											Y		No
231	Y						Y				2 Years		N																					N		
232	Y					Y					19 Years	29 Years	N										N											N		
233	Y					Y					29 Years						Y	Y					N		Y			Y	Y					N	Y	The fileds starting at the corner of birmnghan road and york can be badly flooded all the way along with the consistant rain to the depth of around 2 to 3 meter maybe even more in some areas.also wombarra place flood into birmingham.
234	Y					Y					28 Years	42 Years	Y	Y						August 1990,January 2016	Only over roadway anakai/	High (Exact) High (Exact)	N		N				Y				N	Y	
235	Y					Y					26 Years		Y		Y								N		Y	Yard damege only building ok					Runoff from neighouring evoperties		N	Y	
236	Y					Y					15 Years		N																					N		
237	Y						Y				9 Years (Owner Occupied 2.5 Years)		N																					Y		There is a stormwater or large drain in my backyard this is maintained by strata if necessary may be able to arranee access via property manaees.tim aitken & partners.
238	Y					Y					30 Years		N							January 2016' February 2012 'August 1990,January 2016' February 2012 'August 1990	Ground water run off but no flooding no water rising to excessive levels	High (Exact) High (Exact)	N											Y		
239	Y					Y					9 Years	32 Years	N																					Y		
240	Y					Y					35 Years		N																					N		No
241	Y					Y					30 Years		Y	Y	Y										N			Y	Y				N	N	
242	Y						Y				20 Years		N										N		N			Y	Y					Y		James Ball's Research with Geoffery o'Loughincn Jamison Park in the 1980's.
243	Y					Y					24 Years		N																					Y		No
244	Y					Y					2 Years	17 Years		Y									N		N					I don not Know			N	N	
245			Y			Y					37 Years	37 Years	N																					Y		
246	Y						Y				6 Years		N								N/A													Y		
247	Y					Y					48 Years		Y	Y	Y					Aug-86	42 Ladbury Avenue in the 1986 Flood the water came up to our bottom step at the front of the house.this is the only time in 48 years it had done so it receded very quickly I think that peach tree creek was unable to cope kind the strom water drains couldn't either with the volume of water		N		N							sheer volume of water affected the capacity of creek & stormwater drains to cope		N	Y	
248			Y				Y				37 Years		N								Flood waterdid nor reach our property.	Low (with in 50cm)	N											N		
249	Y					Y					27 Years	30 Years	N																					Y		
250	Y					Y					23 Years	35 Years	N																					Y		
251	Y					Y					45 Years	45 Years	N																					Y		No
252	Y					Y					9 Years	34 Years	N																					Y		
253			Y				Y				10 Years -2006		N							1/1/2016,February 2012	Not affected by flood	High (Exact) High (Exact)	N											Y		
254	Y					Y					21 Years	37 Years	Y			Y				January 2016,February 2012	5 10 cm in grage	High (Exact)	N		N						Y		Y	Y	
255	Y					Y					24 Years	42 Years	Y		Y	Y							N		N			Y	Y				N	Y	
256	Y					Y					15 Years	17 Years	N																					N		
257	Y					Y					4.9Years		Y	Y	Y			Y		Not soure January 2016	Front yard was flooded up to the first step 20 cm in depth,road cut outside house part of front yard coverd with water	High (Exact),Low (with in 50cm)	N		N				Y	Y			N	N	
258	Y					Y					37 Years	37 Years	N							N/A	N/A	N/A													Y	No
259	Y					Y					37 Years		N																					Y		
260	Y					Y					32 Years		N												N									Y		

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261	Y					Y					7 Years	20 Years	Y					Y		Febuary 2012,January 2016	15 to 20 cm,15 to 20 cm,	High (Exact)	Y		Y	Retaining wall underminde by reserve ran-off after council did work in					Y		Y	Y	This issue has alrady been reported to counsil yet no action has been taken.reported area,nov 2014 followed up august 2016 still no respone.
262	Y					Y					1989		N												N											
263	Y					Y					40 Years		N										N											Y	
264	Y					Y					47 Years		N																					Y	
265	Y					Y					37 Years		N																					Y	We live on top of a hill in south penrith
266	Y					Y					42 Years		N					Y					N		N					I have not been flooded			N	Y	Sorry I am of not much
267	Y					Y					17 Months	5 Years	N																					Y	
268	Y					Y					44 Years		N										N											Y	
269	Y					Y					7 Years	15 Years	N										N											N	
270	Y					Y					41 Years		N										N											Y	No
271	Y					Y					46 Years	same above	N										Y		N									Y	
272	Y					Y					21 Years		Y										N		N				Y				Y	Y	
273	Y					Y					9 Years 9 Months	10 Years 9 Month	Y		Y	Y																		N	N	
274	Y					Y					4	20	Y		Y										N			Y						N	Y	Flooding was due to tree chipping blocking the stormwater street inlets triming or removal of some trees could see an improvement in this problem.
275	Y						Y				32 Years	38 Years	N																					Y	No
276	Y					Y					3 Years	3 Years	Y							Summer 2014	5 cm Drive way	Medium(with in 10cm)	N		N			Y	Y	Y				N	N	
277	Y					Y					About 20 Years	As above	N										N											Y	Not at life movment
278	Y					Y					43 Years	43 Years	N																					Y	
279	Y					Y					46.5 Years	46.5 Years	N							No sorry			N											Y	No Sorry
280		Y				Y					6 Years		N																					Y	If I were to flood where 122 blaikie is situated,it would take a major flood,1-100 years maybe
281	Y						Y				20 Years	40 Years	N																					Y	
282	Y						Y				14 Years	36 Years	N																					N	
283			Y			Y		Y			9 Years	22 Years	N										N		N									N	Y	
284	Y						Y				5 Years	22 Years	Y					Y					N		N					Cotton rves in the drain			N	Y	
285	Y					Y					36 Years	45 Years	Y			Y							N		N		Y						N	Y	
286	Y					Y					31 Years		N																					Y	I live near the York Rd,Maxwell st & Thurwood ave rain water runoff and believe this is the reason we have never been effected by flooding or maybe the dranage is good in south penrith.
287	Y						Y				40 Years		N																					N	
288	Y					Y					40 Years	40 Years	N										N											N	
289	Y					Y					16 Years		N																					N	
290	Y					Y					24 Years	27 Years	Y		Y	Y				Feb-12			N		N		Y						N	Y	
291	Y					Y					33 Years		N																					N	
292	Y					Y					45 Years	50 Years	N																					Y	
293	Y					Y					34 Years 3 Month	As above	N																					Y	No
294	Y						Y				23 Years		N																					Y	My property is near the top of a hill.
295	Y					Y					33 Years		N																					N	
296			Y			Y					Approx 36 Years		N																					Y	
297	Y					Y					8 Years	10 Years	N																					Y	Nil
298	Y					Y					Since April 1978		N							Mar-43	High (Exact)	the storm water drain in underground from near the juntown to caste reogh and letre street to the exuit near the	N											Y	In March 1943 the storm water drain which went underground near the corner of castleneah street and letterbrige street overflowed and water flowed over the surface now covered by RSH building and car path and exists near the
299	Y					Y					3 Years	25 Years	N										N											Y	No Sorry
300	Y					Y					17+ Years		Y	Y	Y	Y				Other 2016	aprox 15 years ago when flood damaged ites in garage,height of water in front street was aprx 300 mm,we took measures to lessen the chances of flooding in our garage and sun lounge water came up to car doors paked on street	High (Exact)	N		Y	No sircutural damage only personal itmes in garage.(family photos in suitcases)					Torrential Rain (Nature)			N	Y	I think the specialists with their knowledge will have all the answers.
301	Y					Y					45 Years		N										N											Y	
302	Y					Y					40 Years	55 years	N																					Y	The green area off site us have flooded several times in our 40 years just this to helped in heavy rain as it has never over flooded onto york rd next to us
303	Y					Y					19 Years	40 Years	N										N		N									N	Y	
304	Y					Y					38 years		N																					Y	
305	Y					Y					7 Years	37 years	N																					Y	I do believe we need to get rid of all our deciduous tree off the footpaths and replace with eversewn trees to help stop our drains and waterways from choking
306	Y					Y					21 Years	As above	N																					Y	
307	Y					Y					12 Years		N										N											N	No
308	Y					Y					30 years		N												N									Y	
309	Y					Y					30 years	30 years	N																					N	
310	Y					Y					20 Years		N										N											Y	
311	Y						Y				20 Years		N																					N	
312	Y					Y					41 Years		N										N											Y	
313	Y					Y					30 Years	70 Years	N																						
314	Y					Y					47 Years		N								No		N											Y	No
315	Y					Y					24 Years	46 Years	N																					N	
316	Y					Y					24 Years	46 Years	N																					N	
317	Y						Y				18 Years		Y		Y			Y		January 2016 , February 2012 ,August 1990	Coming from the properties abve from the estern side of the bank fence.4cm but steady the whole dranage flows via my property to the street(under my house)	Medium (Within 10 cm)	N		N				Y				Y	Y	during a downpour I was able to locate the blocakge this information will help you in your investigation
318	Y					Y					Lived have my all life		N																					N	
319	Y						Y				10 Years		N																					N	
320	Y						Y				Since 2009		N																					N	
321	Y						Y				July 2015		N																					N	
322	Y						Y				15 Years		N																					N	
323	Y						Y				2013		N																					N	
324	Y						Y				All my Life		N																					N	
325	Y						Y				23 Years		N																					N	
326	Y					Y					28 Years		N										N											Y	No
327	Y					Y					37 Years		N										N											N	
328	Y					Y					20 Years		N										N					Y	Y					Y	Note on a large downpour of rain as the sewer man rain throw our property the overflow blvids up ffom that and other properties asasecgs next doors also the pair becomes a paind often we have seen greeways drive oade flooded
329	Y						Y				Since 2013		N																					N	
330	Y						Y				15 Years		N																					N	
331	Y					Y					40 Years		N	Y						1977 Mid year	High (Exact)		N		N		Y	Y	Y				N	Y	at the bottom of the street after heavy rain the storm water could not cope but went down when rain eased off
332	Y					Y					8 Years		N																					Y	
333	Y					Y					12 Years	33 Years	N																					N	the flood mitigation strategies for south penrith have been suitably reseached and enhence the local environment and the local amenity of south penrith
334	Y					Y					1977		N												N										
335		Y					Y				21 Years		N										N											Y	
336			Y				Y	Y			Approx 15 Years	32 years	N																					Y	
337	Y					Y					40 Years	40 Years	N																					Y	
338	Y					Y					12 Years		N																					Y	No
339	Y					Y					45 Years		Y		Y			Y					Y		Y	Removal of Garden soil deposit of human waste and sewerage onto front yard		Y	Y				Y	Y	Side easment partialy blocked.Still floods out of pit in heavy rain,yard floods from rear propertys.
340	Y					Y					31 Years	51 Years	N											No										Y	
341	Y					Y					2 Years		N																						No
342	Y					Y					30 Years & 8 Month		N											No										Y	
343	Y					Y					5 Years	46 Years	N																						No
344				House on 9 areas		Y					1987	1987	N																							Y	
345	Y					Y					36 Years		N																						No
346	Y					Y					37 years		N																					Y	
347	Y					Y					Oct-81		N																					Y	
348	Y					Y					9 Years	9 Years	Y		Y					January 2016,February 2012	January 2016,February 2012			No		No			Y	Y				N	
349	Y					Y					39 Years		N											No										Y	
350	Y					Y					26 Years	26 Years	N																					Y	
351	Y					Y					20 years	40 Years	N																					Y	the floodway alongside thurwood ave floods excessi
352	Y					Y					2.5 Years		N											No										Y	
353	Y					Y					47 Years	47 Years	Y	Y										No		No			Y					N	

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?						Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
354	Y					Y					27 Years		N									the areas most affected are jamison park had all their grages all sold their properties the park off greenbank drive that leeds to evan rd then down to racecourse rd had a river of water over flowing onto roads and macie its way to jamison park.in front of panther the water was atleast 6 inces on the road causing all trafic to crawl done,this was steven years back now but its all going towards.		No											Y	
355	Y					Y					28 Years	28 Years	N					Y						No										N	
356	Y					Y					60 Years		N											No										N	
357	Y					Y					4 Years	27 years	Y		Y									No		No			Y			run off from neihbours property/any issues with the main up the street?	Y	Y	
358	Y						Y				15 Years		N											No		No								N	
359	Y					Y					20 Years		N											No										Y	
360	Y						Y				43 Years		N											No										Y	
361	Y					Y					16 Years	30 Years																						Y	
362				Vacant land					Vacant owner of land		17 Years		N																						No
363	Y					Y					8 Years		N																					Y	
364	Y					Y					13 Years		N																					N	
365	Y					Y					45 Years	45 Years	N											No										Y	
366	Y						Y				40 Years		N											No										Y	
367	Y					Y					33 Years	41 Years	N							N/A		N/A		No										Y	
368	Y						Y				15 Years	46 Years	N																						No
369	Y					Y							Y		Y					Jul-13	under rear deck less than 500mm	Medium (Within 10cm)				No						blocked sewer/stormwater by liquid amber since rectified			N	
370	Y						Y				40 Years		N									N/A		No										Y	
371	Y					Y					48 Years		N																					Y	
372	Y					Y					30 Years	30 Years												No										Y	
373	Y					Y					14 Years	47 Years	Y	Y						Feb-12	Jan-16	Medium (Within 10cm)		No		No				Y				N	No
374	Y								Renovating		1994		Y	Y		Y							N			No		Y	Y				Y	Y	
375	Y					Y					41.5 Years		N							Aug-86	sotuh creek at liandilo 29.5 feet with rfs at time and helping corunity with flooding,with rfs monitering water covers at balacning crossing	High (Exact)		No											Y	
376						Y					24 Years		N	Y							Aug-86	Low (Within 50cm)		No		No				Y				N	
377	Y					Y					30 Years		N		Y			Y		Jan-16	About 10cm in the back yard	High (Exact)		No		No					Y			N	
378	Y					Y					22 Years		N											No		No								Y	
379	Y					Y					40 Years		N													No		Y	Y	Y	Y			N	
380	Y						Y				12 Years		N									N/A		No										Y	
381	Y					Y					18 Years	18 Years	N																					Y	
382	Y						Y				45 Years Owned		N											No										Y	
383	Y					Y					20 years	48 Years	N																					Y	
384	Y					Y					15 Years	45 Years	N																					Y	
385	Y					Y					3 Weeks	18 Years	Y		Y	Y				Feb-12	backyard flooding location in york rd south penrith,100 cm hieht with seweage coming from houses behind york rd in blocked pipes in moseley st south penrith	High (Exact)100cm		No		No				Y				N	No
386			Y	Vacant land		Y					15 Years	40 Years	N									N/A		N/A										Y	
387	Y					Y					28 Years		N																					Y	
388	Y					Y					6.5 Years	1967	N									No		No											No
389	Y					Y					33 Years		N																				Y	Y	
390	Y								Owner of garage		6.5 Years	Since 1967	N									No		No											No
391	Y						Y				1975		N																					Y	
392	Y						Y				5 Years		N																					Y	
393	Y					Y					32 years	34 years	Y	Y	Y											No			Y	Y	Y			N	
394											18 Month																								
395	Y					Y					15 Years		N																					Y	
396			Y					Y			12 Years	40 Years	N									N/A		No										Y	
397	Y					Y					7 Years		N							Feb-12	flood at this time shocked me as the water level in drainage reserve opposite my house was near to footpath level around 200mm below footpath	Medium (Within 10cm)		No											Y	
398	Y					Y					11 Years		Y					Y						No	Y		water under the house from the park area movment of pierc have a wall broken					louad of park area my house fence	Y	Y	
399	Y					Y					31 Years	51 Years	N										N										Y	No
400	Y					Y					2 Years		N																					N	
401	Y					Y					30 Years & 8 Month		N										N											Y	
402	Y					Y					5 Years	46 Years	N																					N	Fix the parking problem in penrith
403				House on 9 areas		Y					1987	1987	N																					Y	I have owned this land ofr 30 years never a sign of flooding where as plenty of other non flood area always go underwater
404	Y					Y					36 Years		N																					N	
405	Y					Y					37 years		N																					Y	
406	Y					Y					Oct-81		N																					Y	
407	Y					Y					9 Years	9 Years	Y		Y					January 2016.February 2012			N		N			Y					N	Y	Not really The stormwater drains need to be faced to cope with the excess water every time it rains

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?						Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
408	Y					Y					39 Years		N										N											Y	
409	Y					Y					26 Years	26 Years	N																					Y	
410	Y					Y					20 Years	40 Years	N																					Y	the floodway alongside thurwood ave floods excessivly betweeen ikin st bridge & the walkway where the water goes back underground
411	Y					Y					2.5 Years		N										N											Y	
412	Y					Y					47 Years	47 Years	Y	Y									N		N									N	Y	
413	Y					Y					27 Years		N								the areas most affected are jamison park had all their grages all sold their properties the park off greenbank drive that leeds to evan rd then down to racececure rd had a river of water over flowing onto roads and macie its way to jamison park.in front of panther the water was atleast 6 inces on the road casuing all trafic to crawl done,this was steven years back now but its all going towards.					N															Y	The drains in all the parks and drainage ways need to be cleared.after heavy rains the continully filter all the mowed grass and tree debrie that have ended up in the grates of the rain.there is also much leaf and danch little on the road.get somone to maintain the larger trees near the bigger parks,when we have heavey stors rains,wind it generally stipes all the leaves and it naturally goes on the fround or the road causing more mens to go into water way drains.
414	Y					Y					28 Years	28 Years	N					Y					N										N	Y	Diana place is up close to the northern road I think we are up to high obe effected by any flooding.
415	Y					Y					60 Years		N										N										N	Y	No Flooding ever.
416	Y					Y					4 Years	27 years	Y		Y								N		N					run off from neihbours property?any issues with the main up the street?		Y	Y	we don't have any stromwater pipes on oout property which limits our ability to reslove our flooding and get the water to flow to the street.all the houses on our side of the street are the same
417	Y						Y				15 Years		N										N		N								N	Y	
418	Y					Y					20 Years		N										N											Y	Never experienced Flooding
419	Y						Y				43 Years		N										N											Y	The area out the front of 29 jason ave south penrith has water fill that area when extremly heavy rain occurs
420	Y					Y					16 Years	30 Years																						Y	None
421				Vacant land					Vacant owner of land		17 Years		N																					N	
422	Y					Y					8 Years		N																					Y	Make sure the storm water infrasmucmre is upgraded to keep up with the growins poplucation & the arowins number of high rise aprartment buildings & new housing estates
423	Y					Y					13 Years		N																				N		
424	Y					Y					45 Years	45 Years	N										N											Y	The Rudd/Gillard Governments climate change advisers said all the amjor city damg would be empty in a few years and we would be experinceing less rainfall so we should have nothing to worry about
425	Y						Y				40 Years		N										N											Y	
426	Y					Y					33 Years	41 Years	N							N/A	N/A	N/A	N											Y	No
427	Y						Y				15 Years	46 Years	N																					N	Forget flooding worry about parking It is a nightmare in penrith
428	Y					Y							Y		Y					Jul-13	under rear deck less than 500mm	Medium (Within 10cm)			N						blocked sewer/stormwater by liquid amber since rectified		N	Y	
429	Y						Y				40 Years		N								N/A		N											Y	
430	Y					Y					48 Years		N																					Y	
431	Y					Y					30 Years	30 Years											N											Y	River flooding in general is not a problem,with our problem is run off from neighing properties whose storm water dranaae is inadequate thus casuing their run off to flood our prooerty.
432	Y					Y					14 Years	47 Years	Y	Y						Feb-12		Medium (Within 10cm)	N		N				Y				N	N	
433	Y								Renovating		1994		Y	Y		Y							Y		N		Y	Y					Y	Y	
434	Y					Y					41.5 Years		N							Aug-86	sotuh creek at liandilo 29.5 feet with rfs at time and helping conunity with flooding,with rfs monitering water covers at balacning crossing	High (Exact)	N		N										Y	
435						Y					24 Years		N	Y								Low (Within 50cm)	N		N				Y				N	Y	No
436	Y					Y					30 Years		N		Y			Y		Jan-16	About 10cm in the back yard	High (Exact)	N		N								N	Y	
437	Y					Y					22 Years		N												N									Y	
438	Y					Y					40 Years		N										N		N		Y	Y	Y	Y			N	Y	
439	Y						Y				12 Years		N								N/A		N											Y	Nil
440	Y					Y					18 Years	18 Years	N										N											Y	
441	Y						Y				45 Years Owned		N										N											Y	No
442	Y					Y					20 years	48 Years	N																					Y	
443	Y					Y					15 Years	45 Years	N																					Y	
444	Y					Y					3 Weeks	18 Years	Y		Y	Y				Feb-12	backyard Flooding location in york rd south penrith,100 cm hieht with sewwage coming from houses behind york rd in blocked pipes in mouseley st south penrith	High (Exact)100cm	N		N				Y				N	N	we would hope all draine would be cleaned reguleraly as I expect that many of the underground pipes are ancient ratepayers a those insured should not be penalised by payoh higher rates insurace premuims if we are putting up with unkept/old piping problem
445				Y	Vacant land		Y				15 Years	40 Years	N								N/A													Y	No
446	Y						Y				28 Years		N																					Y	we live next to northern rd on the high part of the hill I have never in 28 years seen any problem water here only from blocked drains and dirty road sides
447	Y						Y				6.5 Years	1967	N								No		N											N	
448	Y						Y				33 Years		N																				Y	Y	No
449	Y								Owner of garage		6.5 Years	Since 1967	N								No		N											N	
450	Y							Y			1975		N																					Y	
451	Y							Y			5 Years		N																					Y	the house is on top of a hill
452	Y						Y				32 years	34 years	Y	Y	Y										N		Y	Y	Y				N	Y	
453											18 Month																								
454	Y						Y				15 Years		N																					Y	No
455				Y					Y		12 Years	40 Years	N								N/A		N											Y	No
456	Y						Y				7 Years		N							Feb-12	flood at this time shocked me as the water level in drainage reserve opposite my house was near to footpath level around 200mm below footpath	Medium (Within 10cm)	N												Y	
457	Y						Y				11 Years		Y					Y					N		Y	water under the house from the park area movment of pierc have a split bricks					louad of park area my house fence		Y	Y	When mome cam to meet us we will discuss
458	Y						Y				6 Months	24 Years	N																					Y	No
459	Y						Y				4 Years	5 Years	Y	Y									N		N								N	N	
460	Y						Y				25 Years	40 years	N										N											Y	
461	Y						Y				3 .4 Years	1978	N																					N	
462	Y						Y				34 Years		N							Aug-86			Y	Some where											N	
463		Y							Y		10 years		N																					Y	
464	Y						Y				1962_1985,then 1996		Y							Mar-78		High (Exact)	N		Y	Crops were lost/damaged	Y						Y	Y	
465	Y						Y				41 Years		N												Y									Y	
466	Y						Y				20 Years	40 years	N										N											Y	
467	Y						Y				30 Years	67 Years	Y		Y	Y				January 2016,februray 2012	120 cm		Y		Y		Y						Y	Y	
468	Y							Y			3 Years	20 Years	N																					Y	
469	Y					Y					20 Years		N																						
470	Y					Y					2 Years	49 Years	N										N											Y	
471	Y					Y					45 Years		N																					Y	
472	Y					Y					11	1979	N										N	Yes										Y	Keep parrk in flood zones
473	Y					Y					19 Years	30 Years	Y		Y					Jan-16		High (Exact) ,High (Exact)	Y	Yes	N			Y					N	Y	
474	Y					Y					25 Years	73 Years	N																					N	
475	Y					Y					43 Years		N																					Y	
476	Y					Y					45 Years	45 Years	N										N											Y	
477	Y					Y					38 Years		N								N/A		N											Y	Nil
478				Y					Y		Since April 2016		N																					Y	
479	Y					Y					10 Years	54 Years		Y	Y	Y				August 1990 ,August 1986 ,March 1978	Brown Street pewrith	High (Exact) ,High (Exact)	N		N			Y	Y	Y	Y			Y	Y	Ring
480	Y					Y					2 Years	60 Years	N																					Y	
481	Y					Y					37 Years		N																					N	No
482	Y						Y				4 Years	21 Years	N																					Y	
483	Y					Y					44 Years	44 Years								Jan-16		Medium (Within 10 cm)	N		N								N	Y	
484	Y					Y					30 Years	50 Years	N										N		N								N	Y	
485	Y					Y					1979		N																					Y	
486	Y						Y				6 Years		N		Y	Y							N		N		Y						N	N	
487	Y					Y					8 years		N																						
488	Y					Y					15 Years		N										N											Y	
489	Y					Y					2 Years	2 Years											N		N					Heavy Rain		N	Y	Nil
490	Y					Y					12 Years		N																					Y	No
491	Y					Y					11 Years		N																						
492	Y					Y					28 Years	38 Years		Y	Y					Aug-86	Up to knee height 30 cm	High (Exact), Medium (Within 10 cm)	N		N		Y	Y	Y				N	N	
493	Y						Y				3 years		N																					N	
494	Y					Y					1960		N							Jan-61			N		N									Y	
495	Y					Y					47 Years	47 Years	N										N											N	
496	Y					Y					30 Years		N																					N	
497	Y					Y					40 Years		N										N		N										No
498				Y					Y		15 Years		N																					Y	
499	Y						Y				5 years		N																					N	N/A
500	Y					Y					47 years		N																					Y	
501	Y					Y					17 years	29 Years	Y	Y	Y								N				Y	Y					N	Y	
502		Y							Y		22 Years	47 Years	N																					Y	

Questionnaire Responses.xlsx

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?						Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
503	Y					Y					8 Years		N																				Y	
504				Retirement village		Y					7 Years (July 2010)		N										N											N	
505	Y					Y					40 Years	40 Years	N																				Y	Keep up the good work
506	Y					Y					40 Years		N					Y			N/A				N							N	Y	
507	Y					Y					44 Years		N										N										Y	
508	Y					Y					33 Years	34 Years	N																				N	
509	Y					Y					6 Years	6 Years	N																				N	
510	Y					Y					3 Years	56 Years	Y	Y						Mar-78		High (Exact)	N		N					Very heavy rain in area		N	Y	
511	Y					Y					26 Years		N												N							N	N	
512	Y					Y					About 1985 ?	1975	N										N										Y	
513	Y					Y					1 Years	60 years	N																				Y	
514	Y							Y			60 Years		Y	Y									N		N							N	N	
515	Y					Y					53 Years		N										N										Y	
516	Y					Y					1979_38 Years	1972	N								N/A		N										Y	
517	Y					Y					31 Years	39 Years	N																				N	
518	Y					Y					22 Years		N										N										Y	
519	Y						Y				16 Years		N																				Y	
520	Y						Y				15 Years	30 Years	N										N										Y	
521		Y					Y				27 Years		N																				Y	
522	Y						Y				40 Years		N																				N	
523	Y					Y					41 Years		N										N										Y	
524	Y					Y					Since june 1990		N																				Y	No
525	Y					Y					26 Years		Y		Y	Y								N			Y	Y				Y	Y	
526	Y						Y				3 Years	3 Years	Y		Y					Jan-15	31 cm height backyard	Medium (Within 10 cm)	N		N			Y					N	Y	Maybe because backyard is higher than the house
527	Y					Y					Long time		N																				N	
528			Y				Y				8 Years	36 Years	N																				Y	No
529	Y						Y				5 Years		N																				Y	
530	Y						Y				15 Years		N										N										Y	
531	Y						Y				16 Years												N										Y	
532	Y						Y				15 Years		N																				N	
533	Y					Y					21 Years	24 Years	N							Jan-16			Y										Y	
534	Y					Y					42 Years		Y		Y	Y				1/1/2016 ,February 2012		Low (Within 50 cm)	N		Y			Y	Y				N		
535	Y					Y					34 Years		N																				Y	
536	Y					Y					32 Years		N							Nil			N		N								Y	
537	Y					Y					14 years	38 years	N										N		N							N	N	
538	Y					Y					39 Years		N										N										Y	
539	Y					Y					38 Years	50 Years	N										N		N								Y	
540	Y					Y					4.5 Years		N																				Y	
541																																		
542	Y						Y				Aporox 25 years	35 Years	N										N										Y	
543	Y					Y					1972	1972	Y					Y					N		N			Y				N	Y	Regular Cleaning of Drains on Suburban Roads Would help with Prevention of Flooding on Public Roads
544	Y					Y					37 Years		N																				N	
545	Y					Y					5 Years	10 Years	Y	Y	Y					Jun-16	Back or Front Yards 6"or less street up to knee	Medium (With in 10cm)	Y		N			Y	Y				N	Y	
546	Y					Y					36 Years	36 Years	N																				Y	We Live on the low side of Enfield Street,And Have Never had any Flood Problems in all the Years we have lived here hope this in for mation helps.
547	Y					Y					17 Years	70 Years	N										N		N							N	Y	
548	Y					Y					19 Months	40 Years													N							N	N	
549	Y					Y					24 Years		N																				Y	
550	Y					Y					6 Years	74 Years	N							?	No	?	N										Y	No
551	Y					Y					40 Years		N										N										N	No
552	Y					Y					40 Years	45 Years	N																				N	
553	Y						Y				1 Years	10 Years	N												N							N	Y	My Mother and Dottes Lived in South Penrith for over 20 years and never had any issues with flooding.
554	Y					Y					17 Years		N												N								Y	
555	Y					Y					8 Months		N										N										Y	N/A
556	Y					Y					26 Years	56 Years	N										N										Y	
557	Y					Y					Aprox 13 Years		N																					
558	Y						Y				5 Years	20 Years	N																				Y	
559	Y					Y					14 Years		N								N/A		N										Y	Not at the montain
560		Y					Y				34 YearsS		N																				Y	
561	Y						Y				1994	1990						Y					N		N				Flow mentioed as 912 belowe			N	Y	The Vacant area Running through South Penrith Handled Flows Quite well until point at this land was sold to build town houses,restracting water getting away as quickly (waist at south land) 38 CHARKERS St South Penrith
562	Y						Y				1990	1990	Y					Y					N		N				vacant area formerly for runs off partially built upon (unit Complex)		N	Y	An Area throughour south penrith has been kept intentionally vacant to handle the flow at water.this has seen reduced by the building at town houses on part at the land west at south.this area must be presented to do its job.otherwise house will be endongerd was included
563	Y					Y					8 Years	17 Years	N																				Y	
564	Y					Y					39 Years	39 Years	N								Never												Y	
565	Y						Y				16 Years	50 Years	N																				N	
566	Y					Y					19 Years	22 Years	N																				Y	There is often Flooding along York Rd near Jamison Park Gutters and Stormwater Drainage need to be cleaned out replaced where kerb has collapsed into drainage pits
567	Y					Y					39 Years		Y		Y					UnSure	no_the local reserves basins filled up a water came up over the footpaths & on to roads.		N		N			Y					N	Y	living on slightly higher property means excess water eventually drains down into my neighbours property
568	Y					Y					8 Years		N												N								Y	None
569	Y					Y					10 Years	10 Years	N																				N	
570				Rural		Y					31 Years	64 Years	N					Y					N		N				Not affected			N	Y	
571	Y					Y					30 Years		N										N		N								Y	Often go for walks around South Penrith we see lots of storm water drains blocked with rubbish & leaves.
572	Y					Y					39 Years		N					Y		No	None		N		N				No Flooding			N	Y	I think the penrith cownell should put a cover over the play ground for the childern at harris street jamisontown the resarve is very low.
573	Y					Y					21 Years	25 Years	N										N										Y	we have never been flooded by the gemral slope of road & run off from neighbours has sometimes casued water but ofcourse only when its terrenbal rain I have also noticed the stormwater drain at jamison oval in extreme weather is concerning
574	Y					Y					27 Years	27 Years	Y			Y							N		N								Y	
575	Y					Y					36 Years	40 Years	N																				Y	
576	Y					Y					18 Years		N																				N	
577	Y					Y					4 years	6 Years	N																				N	
578	Y					Y					20 Years	40 Years	N										N										N	
579	Y					Y					20 Years		N																				Y	
580	Y					Y					45 Years		N																				Y	
581	Y					Y					36 Years		N																				N	
582	Y					Y					38 Years	38 Years	N																				N	
583	Y					Y					42 years	50 Years	N										N		N				N/A			N	N	
584	Y					Y					12 Years	39 Years	Y		Y	Y									N								Y	
585	Y						Y				9 Years		N										N										N	
586	Y						Y				5 Years		N																					
587	Y					Y					56 Years		N	Y									N					Y	Y				Y	
588	Y					Y					Since december 2016	Since april 1997	N																				Y	
589	Y					Y					46 Years		N																				Y	
590	Y					Y					18 Years		N																				N	No
591	Y					Y					42 Years	42 Years	N																				Y	
592	Y					Y					40 Years		Y							February 2012 ,august 1986 ,March 1978			N		N			Y					N	N	
593	Y					Y					40 Years	40 Years	Y	Y	Y						I cannot identify years and floods but thinik the wrost was 1986.i think that was the year york road was a river.		N		N				Y					Y	with ver heavy rain,the cannade oval behind south his with water,water shoots out of the drains the park overflows and water crosses york road and rises up over front lawn,it has never reached the house in 40 years on one occasion york road was a river.
594	Y					Y					5 Years	43 Years	Y	Y	Y			Y				Medium (Within 10 cm)	Y		N			Y	Y				N	Y	overflow water running down maxwell street joins water flowing from under ikin st bridge abnks up on drans then comes up to thurwood rd then came up to the our letter box(we are in hendenson even thoush our address is thurwood)we are very hish above road level.
595	Y					Y					25 years		Y	Y						Feb-12	Before stated 103 m	Medium (Within 10 cm)	N		N				Y	Y					Y	the lands between Fragar rd & bayle rd floods at times.the water on bayley rd (when floods occur)hinders people from no 4 to no 16 bayley rd entering their house.Excesive rain causes floods need clear wider stromwater pipes.
596	Y						Y				25 years		N										N										Y	
597	Y					Y					38 Years		Y	Y	Y						See photo		Y		N		Y		Y					
598	Y					Y					10 years		Y	Y	Y	Y	Y				No		N		Y	Fllod water entered the house & out buildings		Y					Y	
599	Y					Y					1 Years	40 Years	Y	Y						1977		Medium (Within 10 cm)	N		N		Y	Y	Y				N	Y	
600	Y					Y					21 Years		N																				Y	David,David or joshua we have no flooding experince at our property we live at the top of a hill regards steve.
601		Y					Y				2003		N										N	Yes	N			Y				N	N	
602	Y					Y					28 years	Since Feb 1981	Ys		Y								N		N		Y		Y			N	Y	
603	Y					Y					7 years	21 Years	N																				Y	None
604	Y					Y					24 Years	31 Years	N																				Y	
605	Y					Y					4 years	4 Years	N										N										Y	N/A
606	Y					Y					39 Years		N										N										Y	
607	Y					Y					44 years		N																				Y	
608	Y					Y					19 Years	55 Years	N							January 2016 ,february 2012 ,August 1990 ,August 1986 ,March 1978			N											Y	
609			Y				Y				Since 1980		Y	Y						February 2012 ?	Over 300m	High (Exact)	N		Y	the water level rayyed to Fllod the automatic gate systems			Y				Y	Y	This Rd is Getting a Lot of sand which is washed into the road & rain which they are neglete most of the time this a problem no 1 when we get a very poor,water from abel st flows into harford st and the exisiting drains half full of,could not deliver as much as receivers.
610	Y					Y					68 years		Y		Y					Mar-78		Hish (Exact)	N		N				Y			N	Y	No
611	Y					Y					33 Years	33 Years	N										N										Y	
612	Y					Y					30 Years		N																				Y	I have only ever seen water in South lands oval & this water I would not consider as flood water the water cleared within minutes of rain fall stopping.
613	Y						Y				8 Years		N										N										Y	
614	Y					Y					49 Years		N	Y						Mar-78			N		N			Y	Y		3 ways if drainage of this area.			Y	More update service do this drainage area needed when heavy rain this paplie st the road is cover with fast moving water which cannot not get away
615	Y						Y				4 years	4 years	N																				Y	
616	Y					Y					27 Years	32 Years	Y	Y	Y			Y					N		N			Y	Y				N	Y	peachtree creek at the GWH bridge below causes a build up to water to flow back thus causing the stormwater network to flood across the road & build up onto property
617	Y					Y					34 YearsS	34 Years	Y		Y					Jan-16	Juncation of peachtree creek + stormwater chawnel (panthers)		Y		N					Y	Unusually heavy downpour			Y	there was a considerable build up of silt under the jamison rd bridge over peachtree creek at the time of the jan 2016 flood(anaki drive)2 there are aunopeams crap in peachtree creek.3.in any future plans can you please consider the wildlife in swamp/wetland alone surveyirs creek

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?						Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
618	Y					Y					39 Years		N										N										Y	
619	Y					Y					23 Years	42 Years	Y	Y						1/1/2016 ?		Low (Within 50 cm)	N		N		Y	Y	Y	Y			Y	Y	
620	Y					Y					39 Years	53 Years	N																			Y	No
621	Y					Y					40 Years		N																			Y	We have never had a flood problem.I noticed on the map a river running up near southlands shopping centre.I am only aware of the dug out water catahment drains,even with heavy rain these seem to flow reqiidly away especially alone jamison road & behind york road.
622	Y					Y					57 Years		Y	Y	Y					1996		High (Exact)	N		N							N	Y	
623	Y					Y					17 Years		N																			Y	I Live Opposite Jamison Park Avod Have not Experienced any Flooding in that time.The only Flooding in this area has been on York road near the skateboard park due to blocked drains.
624	Y					Y					2 3 Years	2 3 Years	N																			Y	
625	Y						Y				10 Years	30 YearsS	N																			Y	Water in SouthlandS oval & storm water canal but ran away & do not inuandate proper water Gone within 1 hour of rainfall stopping.
626	Y					Y					25 years	37 years	N																			Y	Whilke we have not been affected by "flooding",surrouding areas have been eg the drainage ditches often fill with water however,I assume that is their purpose.perphaps contacting the people whose property adjoins these may get the inormation you seek
627	Y					Y					8 Years	30 YearsS	N																			Y	N/A
628	Y					Y					Mar-17	35 Years	N																			Y	
629	Y					Y					41 Years		Y		Y			Y			Flooding occurs in the backyard		Y		Y			Y				Y	Y	Flooding occurs when we have heavy rain for more then a day.it seems to have gotton worse since enyaire plots have been built on neighbour properties.
630			Y				Y				40 Years	67 Years	Y							January 2016 ,February 2012 ,August 1990 ,August 1986		High (Exact)	N		Y	Rear Foundations Exposed		Y					N	Y	The Rear Foundations of the Building backing onto Peachtree Creek need to be protected i.e 28,30,&32 Peachtree Rd,Penrith.
631		Y	Y				Y	Y			20 Years	20 Years	N																			Y	
632	Y					Y					Jul-70		N																			Y	Nil
633	Y					Y					8 Years		Y		Y		Y			Jan-16			Y		N			Y			N	Y	Increase strom water capacity
634	Y					Y					26 Years	36 Years	N																			N	
635	Y					Y					29 Years		N																			Y	
636	Y					Y					1960		N																			Y	Our Family has lived at the stated address since 1960 penrith has experienced significant events during this period.we have not been effected by flooding or lack of access during this period.
637	Y					Y					2 years	2.5 Years	Y	Y		Y																N	N	
638	Y					Y					35 Years		N																			Y	
639	Y					Y					37 Years	37 years	N							Aug-86	Old jamisson Hosipital.flood works was at the top step on the entracne the steps are still here	High (Exact)	N										Y	No
640	Y					Y					4 Years	11 Years	N																			Y	
641	Y					Y					30 Years		N																			N	
642	Y					Y					10 years		N																			N	
643	Y						Y				28 years		N																				
644	Y						Y				9 years	37 Years	N								no events since owing this property		N									Y	No
645	Y						Y				28 years																						
646	Y					Y					25 Years		N																			Y	
647	Y						Y				17 Years		N																			Y	
648	Y						Y				4.5 Years	30 YearsS	N																			Y	
649	Y					Y					I Years && Months	6 Years	Y	Y	Y					Feb or March 2016	Up to about knee to waist in height.	Medium(Within 10 cm)	N		N				Y			N	N	
650	Y					Y					17 Years	23 Years	N																			Y	
651	Y					Y					40 Years		Y	Y				Y			I cant rember the excat dates but it does not take much for the water to get quite deep in the detention baows.it takes a lot of rain for the water to spill out over the road.when that happens the council have placed traffic barrier at the two areas I stated so that cars do not drive through.		N			Y				defention basin overflow			N	Y	we livev behind the parkland bounded by greenway & bramar drive.during heavy rain this area floods the water has at times flooded greenway drive at fletcher street & steven son st this area once had a creek flowing through it making its way down to jamison park .this area now has storm water pipes through it.maybe it has silted up & needs to be cleard out.
652	Y					Y					16 years	16 Years	Y		Y					Feb-12	50 cm water come up from the road to the bottom of the front loan whils vain was at it is heaviest.		N		N		Y					N	Y	No
653	Y					Y					15 Years	50 Years	N																			Y	
654	Y					Y					15 Years	25 Years	Y		Y					Feb-12	on both occations the water in the back yard was aprox 3-4"	High (Exact),High (Exact)	N		N		Y					N	Y	I have moved to jamisontwon before 17 christie st penrith.heavy rain Flooded the yard and a few neighbours as well
655	Y					Y					28 Years		Y	Y									N		N		Y	Y	Y			N	N	York Rd and birmingham Rd get flooded when heavy rain last for a few days.
656	Y						Y				6 Years		Y	Y	Y					Jan-16	30 cm rear of yard ,40 cm read of yard	Medium(Within 10 cm)	Y		N			Y	Y			N	Y	
657	Y						Y				Since 1989	Since 1989	N																			Y	I do remember about 20 years ago when the bottom end of smith st near jamison park flooded the water came up over the Rd.
658	Y						Y				25 years		N																			N	
659	Y					Y					24 Years		N										N									Y	
660	Y					Y					38 Years		N																			Y	
661	Y					Y					36 Years	54 Years	N					Y			N/A								N/A		N	Y	No
662	Y					Y					30 years	64 Years											N									Y	
663	Y					Y					Since 1983		N								No		N									Y	No
664	Y						Y				Since nov 2012		N										N		N						N	Y	
665			Y				Y				10 Years		N																			Y	No
666	Y					Y					30 years		N																			N	
667	Y						Y				Nov-12		N										N		N						N	Y	
668	Y					Y					11 Years	48 years	Y		Y					January 2016 ,February 2012	High (Exact),High (Exact)		Y		N		Y					Y	Y	
669	Y					Y					15 Years	14 Months	Y	Y	Y					Aug-86		Medium (Within 10 cm),Low (Within 50 cm)	N		Y		Y					N		we often saw the botton end of greenway drive where it meet stephenson st become impossible during heavy rain,but since the park across the road was piped& larged reservious dug out (80's 90's??) that problem was resolved.also with the extra drainage work done in jamison park we think the stormwater problem has been well sorted.foc us at least.
670	Y						Y				18 Years		N					Y							N				N/A		N	Y	no as 40 till now have not been effected.
671	Y					Y					19 Years		Y	Y						Feb-12		about 1.5 feet at corner at anaikai and vards.	Medium (Within 10 cm)	N		N		Y	Y	Y			N	Y	
672	Y					Y					16 Years	16 Years	N																			Y	
673	Y					Y					45 Years	45 Years	N																			N	No
674		Y					Y				25 Years	25 Years	N																			N	
675	Y					Y					14 Years	14 Years	N																			Y	
676	Y					Y					47 Years	47 Years	N										N		N							N	
677	Y					Y					36 Years		N																			N	
678	Y					Y					17 Years	42 Years	N																			N	
679		Y				Y					0.5 Tyears	0.5 Years	N																			N	
680	Y					Y					15 Years	15 Years	N																				
681	Y					Y					37 Years		N																			N	
682	Y					Y					42 Years		Y		Y								N		N		Y	Y	Y		N	N	
683	Y					Y					20 Years	20 Years	N																			Y	
684	Y						Y				20 years		N																			Y	
685	Y					Y					40 Years	40 Years	N																			N	No
686	Y					Y					7 Years	7 Years	N																			N	No
687	Y					Y					6 Years	30 Years	N																			N	
688	Y					Y					25 Years	25 Years	Y		Y	Y				Fen 2012	Watcer came from adjoining property from the southeren end down towards smith street	Medium (Within 10 cm)	N		N				Y			N	N	
689	Y					Y					33 Years	34 Years	N																			N	
690	Y					Y					20 Years	20 Years	N																			N	
691	Y					Y					17 years	24 years	N												N						N	N	
692	Y					Y					30 years	30 years	N												N						N	Y	On high ground If Flooding could reach me you can wave goodbye to all of Penrith and a whole lot more!
693	Y					Y					35 years	35 years	Y	Y	Y					February 2006, April 2012	cnr Yanco & Anaikai Drive Jamisontown		N		N		Y	Y	Y			N	Y	
694	Y					Y					10	37	Y	Y	Y		Y			February 2006, April 2012	Ankle Height		N		Y	Repairs to walls carpet and skirting boards		Y	Y			N	Y	
695	Y					Y					15 years	31 years	Y		Y					February 2006, April 2012	1/2 metre in back yard	High (within 5cm)	N		N			Y	Y	Y		N	Y	
696	Y					Y					since Oct 2009	Since Sep 1986	N										N		N							N	Y	Please be very careful gathering your data to draw out the flood zone area. We do have commercial property in flood zone classified area and it cost us thousands of dollars to insure otherwise bank wouldn't grant us the mortgage. and that area everyone says it is crazy this place had no flood and classified as flood zone area. It is located at Combes Dr Penrith.
697		Y				Y					July 2011		N												N							N	Y	
698	Y					Y					3	40	Y	Y			Y	Y	Flooded by storm water when I lived in Jamisontown near Mulgoa rd								Y	Y				N	Y	
699	Y					Y					38	45	Y	Y							Cnr Jamison Rd and Anaikai Dr		N		N			Y				N	Y	Panthers made chnages on their property which has had a postive impact
700	Y										15		Y		Y						100ml in back yard, caused by drainage from business behind	Low (within 50cm)	N		N				Y			Y	Y	The cause of flooding was coming from business (KFC) behind. Drainage blocked causing overflow into our backyard.
701	Y					Y					4.5 years	4.5 years	Y		Y	Y					100mm	High (within 5cm)	Y		Y	Storage area			Y			Y	Y	Please help fix this problem
702	Y					Y					4.5 Years	4.5 years	Y																				
703	Y										April 2017	April 2017	N								n/a		N		N			Y		Y		N	N	
704	Y					Y					17 years		N																				
705	Y					Y					20 years	30 years	Y			Y					7cm	High (within 5cm)	N		N			Y				N	N	The drain in the gutter at Taloma Park (in Penrose Cres) is often blocked at the time of year when the street trees loose their leaves.
706	Y					Y					7 years	20 years	N																			N	Y	The drainage channel that runs behind my property is working well and I am not worried about flooding. However it requires more regular maintenance of the pit entry at the Ikin Road bridge and I think a gross pollutant trap would be worthwhile either at the Ikin Road pit or further up towards Glenmore Park to keep out rubbish/soil that gets washed down in heavy rainfall. The grass behind my property was recently removed and hasn't been replaced so soil is being washed directly into the underground pits, Council has cleaned this with a truck at least 3 times since and the most recent cleaning apparently has caused stormwater issues for my neighbour. I have contacted Councils environmental health area and they said the grass should never have been removed by the Parks section but it hasn't been replaced as yet, I am going to write another request today to see if it will be replaced. When the channel was fully grassed (before the tractors chopped it all up after rain and then they levelled it again while removing the grass) the channel worked great.
707	Y					Y					61 years (since 1956)		N												N							Y	1) This questionnaire is differs sligtlely from that forwarded to me by Council. 2) The impact of a major flood on the eastern end of my property (west side of Peach Tree Creek) may be exacerbated due to raised land on the eastern side of the creek (Panthers property).
708	Y					Y					5 years	13 years	N												N								
709	Y					Y					5 years	13 years	N																			N	Nil
710	Y					Y					9,darling street penrith		N										N		N							N	N	
711	Y					Y					9 Years	45 years	N										N		N							N	Y	
712		Y						Y			5 years	58 years	N										N		N							N	Y	not at this time

#	What Type of Property Do you live in/own?					What is the occupier status of this property					How long have your lived in area?		Have you experienced previous floods in this area?	How were you affected by flooding? (You can select more than one)						Can you provide additional information on these past floods?			Do you have any photos or videos of these floods		Was your property damaged by floodwater		In your opinion, what was the main cause of the flooding?						Would you like us to meet you in person to discuss your flooding experiences	Can we contact you to obtain additional information and/or clarify any of your responses?	Do you have any other comments, information or suggestions you think may assist the study
	Residential	Commercial	Industrial	Other	Please Specify	Owner Occupied	Rental Property	Business	Other	Please Specify	Current Address	In the general area?		Roadway was cut by water	My front/back yard was flooded	My garage was flooded	My house/business was flooded	Other	please specific	Date of Flood	Can you tell us the flood water depth and height	how confident are you of the height/depth of the flood	Yes/No	If Yes a copy of these?	Yes/No	if yes provide details	Insufficient Creek Capacity	Insufficient Stormwater Capacity	Blockage of creeks, stormwater inlets, bridges or drains	Overland flow Impediments	Other	Please Specify	Yes/No	Yes/No	
713	Y					Y					14 years	42 years	Y	Y	Y	Y	Y				Hard to tell as water was running down hill from Evan St. into Units.		N		Y	My whole unit was flooded and also my garage		Y	Y				Y	Y	Drainage needs to be improved along Evan Street, the water comes across from South Penrith School, and from Smith Street. Jamison Road could also be adding to the problem. The water board drain outside the Units was lifting with the rush and amount of water. Units 3,4,5,6 and 8 on my side of strata were flooded.
714	Y					Y					41 years	41 years	N											N								N	Y	We have never experienced any flooding in our area in the 41 years we have lived here.
715	Y					Y					30 years	33 years	N																					
716	Y					Y					30 years	33 years	N																					
717	Y					Y					6 years	10 years	N											N								N	Y	
718	Y					Y					2 years		N											N									Y	Living in South Penrith for about 2 years now and I have no experience of flooding in my area.
719	Y					Y					12 years	40 years	N											N								N	N	
720	Y					Y					12 months	17 years	N											N								N	N	
721	Y					Y					Greater than 10 years	Greater than 10 years	N											N				Y					Y	Although i have not been impacted by flooding in my time at the address, as i live opposite the surveys creek storm water flow, I am concerned about it and keep a close eye on the height of the level at times of heavy rain. There was a time it came close to breaching early in 2016. since then i have noticed council regularly has trucks dredging the drains and clearing blockages and litter, which i have noticed has reduced the height of the channel in heavy rain periods.
722	Y					Y					30 years	40 years	Y	Y						June 2016, April 2012	Jamison road bottom car door	Medium (within 20cm)	N		N				Y				N	N	
723	Y						Y				45	81	N											N								N	Y	
724							Y					26 yrs	Y	Y			Y				unknown		N		Y	shelving and stock		Y	Y				N	N	None other than what I have specified, if the drains had been cleaned and been larger the flooding of our property would not have been affected. The cleaning of the drains has been left to mother nature and she needed a little help.
725	Y					Y					5 years	43 years	N							Other (please specify below)			N		N							N	Y	I answer NO at Question 5 and then you proceeded to ask me to answer questions that were irrelevant. Thanks for wasting my time.
726	Y					Y					42 YEARS	42 YEARS	N											N								N	N	WE HAVE NEVER FLOODED HERE
727	Y					Y					15 years	15 years	Y		Y	Y					2-3 inches	High (within 5cm)	N		Y	Specific area can't grow grass properly		Y				N	Y	
728	Y					Y					5.5 years	5.5years	Y	Y		Y		Y	water was gushing through the complex driveway	April 2012	cnr Jamison & Woodruff Ave Jamisontown		N		Y	in the garage and in the foyer on the ground floor		Y	Y				N	N	
729	Y					Y					5 years		N										N		N								N	Y	
730	Y					Y																												
731	Y					Y					2.5 years	2.5years	N										N		N								N	N	
732						Y					23 year	23 years	N	Y									N		N		Y						N	N	
733	Y					Y					Approx 40 years	As above	Y	Y							Sorry no		N		N			Y					N	Y	
734	Y					Y					31 Years		N	Y				Y	Minimal road coverage				N		N								N	Y	
735	Y					Y					24 years		N					Y	the roadway out the front had 20cms of water and coming up the driveway			Medium (within 20cm)	N		N		Y	Y					N	Y	
736	Y						Y				3 years	0	Y		Y					June 2016	Unknown	Medium (within 20cm)	N		Y	minor sinking of rear extension							N	N	
737	Y					Y					29 years	29 years	N																					
738	Y					Y					45 years	70 years	Y	Y	Y						300mm	Medium (within 20cm)	N		N			Y	Y				Y	N	I was employed by Sydney Water as risk assessment manager.
739	Y					Y					6 years	6 years	N																					Y	
740				Y	Vacant Land	Y					Owned since 1981	Owned since 1981	N																				N	N	Our vacant land in Blaikie Road, Jamisontown has never been affected by Flooding since purchased in 1981

APPENDIX C

HISTORIC FLOOD PHOTOS

Plate 1 Inundation across unknown property

Plate 2 Inundation across unknown property

Plate 3 Nepean River during 1990 flood (photo provided courtesy of Jeff Edwards)

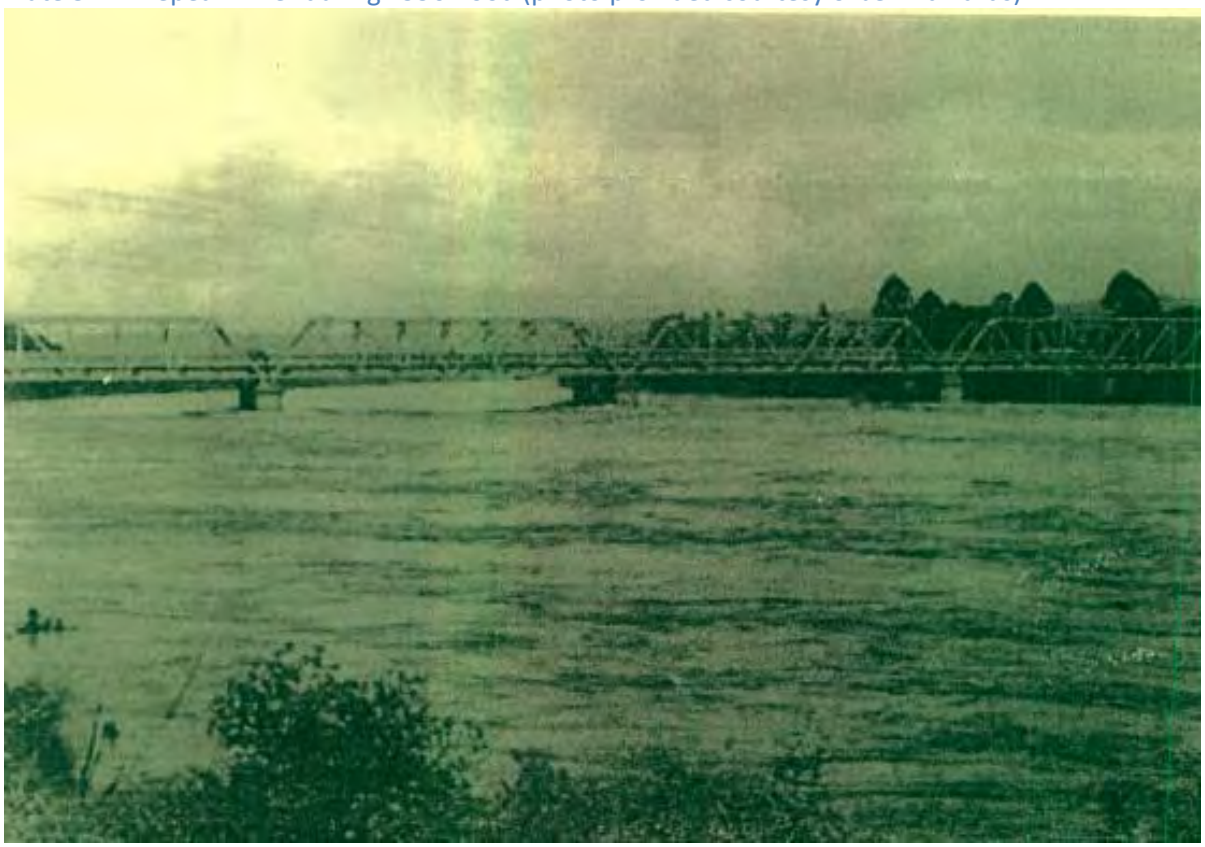


Plate 4 Nepean River during 1986 flood looking towards Victoria Bridge (photo provided courtesy of Jeff Edwards)

Plate 5 Inundation near the corner of Yanco Ave and Anakai Dr during January 2016 flood (photo provided courtesy of Matthew Thomson)

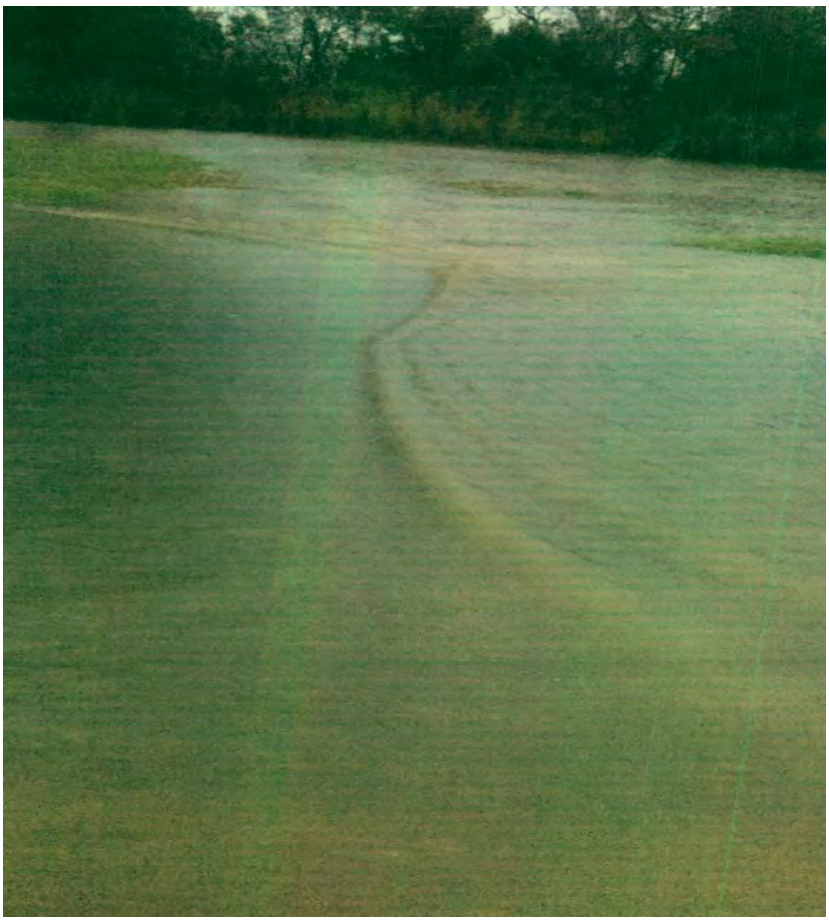


Plate 6 Inundation in front of 50 Anakai Drive during January 2016 flood (photo provided courtesy of Matthew Thomson)

Plate 7 Inundation near 42 Anakai Drive during January 2016 flood (photo provided courtesy of Lance Calvert)

Plate 8 Photo looking west from Anakai Drive towards Lower Surveyors Creek channel during January 2016 flood (photo provided courtesy of Lance Calvert)

Plate 9 Photo looking west north along Anakai Drive during January 2016 flood (photo provided courtesy of Lance Calvert)

Plate 10 Anakai Drive during January 2016 flood (photo provided courtesy of Lance Calvert)

Plate 11 Timgalen Ave during unknown flood (photo provided courtesy of Bryan Carter)

Plate 12 52 Anakai Drive during unknown flood (photo provided courtesy of Frank Killeen)

Plate 13 52 Anakai Drive during unknown flood (photo provided courtesy of Frank Killeen)

Plate 14 52 Anakai Drive during unknown flood (photo provided courtesy of Frank Killeen)

Plate 15 52 Anakai Drive during unknown flood (photo provided courtesy of Frank Killeen)

Plate 16 23 Penrose Cres during unknown flood (photo provided courtesy of Braid Staniclawa)

Plate 17 23 Penrose Cres during unknown flood (photo provided courtesy of Braid Staniclawa)

Plate 18 4 Joanna Street during January 2016 flood (photo provided courtesy of Rex Mitchell)

Plate 19 28 Racecourse Rd during January 2016 flood (photo provided courtesy of Ryan Grdusiak)

Plate 20 28 Racecourse Rd during February 2012 flood (photo provided courtesy of Ryan Grdusiak)

APPENDIX D

XP-RAFTS MODEL PARAMETERS

XP-RAFTS Input Parameters

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
1	8.50	2387.49	0.67	1.11	13.04	0.70	0.00
2	6.91	6.91	0.01	1.07	15.57	0.54	0.00
3	6.11	6.11	2.88	0.77	12.55	0.72	3.12
4	13.86	13.86	2.84	0.94	6.75	0.85	2.83
5	5.62	15.84	1.03	0.79	14.07	0.48	0.93
6	6.95	48.53	0.98	2.00	28.75	0.70	0.86
7	1.83	60.00	1.39	0.13	6.90	0.22	0.77
8	0.06	64.43	1.94	0.02	37.16	0.01	1.46
9	5.55	5.55	2.14	1.96	35.35	0.53	3.26
10	1.42	68.85	0.28	0.23	16.47	0.23	0.29
11	6.12	6.12	1.61	0.62	10.06	0.57	2.24
12	6.14	26.10	0.87	0.58	9.40	0.26	0.29
13	5.33	5.33	3.87	0.24	4.49	0.53	4.63
14	7.01	7.01	4.48	0.38	5.44	0.70	4.77
15	2.80	16.81	2.29	0.48	17.08	0.28	2.12
16	1.13	132.21	2.11	0.21	18.33	0.09	1.30
17	4.57	4.57	2.40	2.43	53.24	0.48	2.45
18	8.18	19.71	2.83	4.69	57.31	0.34	2.09
19	12.35	12.35	1.74	0.34	2.76	0.78	1.67
20	4.61	36.84	1.57	0.09	2.05	0.35	1.39
21	2.04	60.43	1.29	0.33	16.22	0.17	0.20
22	0.16	152.16	4.05	0.09	57.43	0.04	1.43
23	13.43	13.43	2.48	3.48	25.89	0.73	2.28
24	0.22	49.40	6.92	0.01	5.54	0.08	4.62
25	0.25	63.08	3.71	0.01	4.82	0.05	1.24
26	4.09	85.51	1.24	0.43	10.41	0.33	0.49
27	7.17	7.17	1.39	2.47	34.47	0.93	1.96
28	6.72	6.72	2.33	2.95	43.91	0.70	2.42
29	7.40	31.68	2.19	4.09	55.29	0.28	1.81
30	9.34	9.34	1.74	1.17	12.53	0.61	2.33
31	3.98	216.56	1.09	0.88	22.05	0.25	0.28
32	6.34	6.34	2.83	3.87	61.02	0.98	2.72
33	3.92	42.33	2.45	1.81	46.14	0.20	1.69
34	7.82	236.56	1.04	4.00	51.11	0.28	0.92
35	9.29	9.29	1.58	1.15	12.41	0.80	1.93
36	1.68	33.26	2.03	0.37	22.10	0.11	1.52
37	5.72	14.30	2.31	1.81	31.61	0.25	1.73
38	6.21	17.29	2.49	0.92	14.86	0.39	1.88
39	2.60	45.15	1.44	1.39	53.70	0.18	0.77
40	3.10	229.00	1.39	0.70	22.73	0.20	0.37
41	5.39	5.39	1.82	2.35	43.62	0.68	2.08
42	7.62	281.77	1.02	1.38	18.12	0.18	0.00
43	8.12	8.12	2.17	4.34	53.40	0.80	1.59
44	0.31	237.33	4.26	0.04	13.12	0.07	0.90
45	6.94	6.94	1.95	1.12	16.12	0.62	2.08
46	0.79	287.95	0.89	0.32	40.60	0.16	0.35
47	5.84	5.84	2.91	0.90	15.34	0.53	3.03
48	9.70	9.70	2.66	2.66	27.40	0.72	3.06
49	5.93	5.93	2.82	1.17	19.67	0.56	3.40
50	6.12	21.65	2.01	0.93	15.19	0.25	1.52
51	6.35	6.35	2.72	4.32	68.06	0.48	2.83
52	3.02	17.68	1.80	1.92	63.60	0.24	1.33
53	3.03	15.71	2.07	0.26	8.53	0.27	1.65

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
54	9.61	304.49	1.16	2.13	22.17	0.34	0.69
55	6.92	6.92	1.07	4.39	63.50	0.67	1.50
56	2.47	26.51	2.44	1.27	51.46	0.12	1.11
57	2.03	35.47	2.72	1.20	59.09	0.13	3.35
58	2.53	254.70	1.51	0.87	34.40	0.23	0.89
59	10.49	10.49	2.10	6.88	65.59	0.72	2.19
60	0.07	290.24	6.81	0.03	43.55	0.02	0.00
61	9.17	22.73	1.42	2.35	25.65	0.37	0.75
62	11.00	38.59	1.56	1.98	18.03	0.39	1.07
63	10.24	10.24	2.33	1.73	16.86	0.77	2.44
64	12.02	73.34	1.31	2.79	23.17	0.44	1.01
65	5.17	5.17	0.82	0.59	11.37	0.66	0.95
66	7.69	327.89	1.48	1.07	13.95	0.31	0.61
67	5.43	5.43	2.46	0.82	15.08	0.68	2.56
68	8.13	8.13	2.21	1.78	21.86	0.72	2.53
69	4.53	100.97	0.40	0.79	17.49	0.23	0.01
70	0.19	333.25	1.82	0.08	41.14	0.06	0.32
71	6.42	6.42	1.96	3.13	48.79	0.56	2.23
72	0.07	434.29	3.99	0.00	5.20	0.04	1.45
73	1.75	11.07	2.49	0.82	46.77	0.09	1.57
74	1.80	85.38	1.66	0.15	8.31	0.22	1.03
75	5.10	5.10	1.18	3.26	64.06	0.47	1.67
76	8.90	21.67	1.46	5.73	64.37	0.40	0.94
77	2.37	29.13	3.23	1.48	62.78	0.15	3.58
78	13.14	313.88	1.45	6.62	50.41	0.41	0.41
79	6.90	9.28	0.81	3.44	49.80	1.01	0.97
80	6.40	447.11	0.82	2.39	37.31	0.25	0.34
81	6.23	6.23	2.20	3.60	57.68	0.59	2.70
82	0.37	343.38	3.39	0.02	4.94	0.06	1.64
83	0.07	14.59	12.80	0.05	60.96	0.04	0.33
84	0.30	16.50	6.34	0.04	14.06	0.08	3.16
85	1.85	7.48	0.83	0.80	43.14	0.10	0.00
86	1.32	17.80	1.80	0.48	36.40	0.59	1.51
87	3.48	5.13	1.19	2.21	63.55	0.08	3.93
88	6.51	462.90	0.99	1.55	23.75	0.31	0.62
89	5.63	5.63	1.50	1.56	27.66	0.44	1.26
90	0.52	468.54	1.39	0.34	65.48	0.02	5.53
91	1.14	5.53	1.70	0.70	61.00	0.11	0.92
92	0.14	36.98	6.15	0.06	39.94	0.02	2.63
93	1.23	26.51	1.86	0.31	25.46	0.40	1.57
94	0.04	474.21	21.04	0.02	49.53	0.03	0.12
95	6.06	6.06	3.04	4.00	65.98	0.44	2.47
96	6.82	6.82	2.58	4.60	67.49	0.58	2.59
97	7.38	7.38	3.45	4.12	55.84	0.68	2.98
98	16.82	366.43	1.07	7.21	42.88	0.41	0.31
99	0.02	7.74	16.23	0.00	2.56	0.02	14.43
100	2.93	503.84	3.12	0.68	23.34	0.12	1.10
101	0.15	6.18	7.45	0.10	64.83	0.07	5.39
102	0.06	58.07	10.63	0.03	51.66	0.02	0.95
103	14.32	14.32	2.09	9.62	67.18	0.72	2.06
104	4.70	17.58	2.75	3.19	67.95	0.26	2.28
105	5.13	5.13	3.03	3.19	62.22	0.49	3.40
106	0.01	0.01	10.66	0.00	25.00	0.02	10.98
107	0.24	8.63	7.18	0.12	48.28	0.08	5.26
108	1.37	65.62	4.26	0.53	38.87	0.13	2.84

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
109	6.12	6.12	4.33	3.28	53.65	0.45	3.92
110	0.00	0.00	45.54	0.00	0.00	0.00	64.11
111	1.02	7.90	2.05	0.59	57.62	0.17	1.79
112	2.92	521.78	1.97	1.43	48.83	0.22	0.19
113	1.79	8.89	3.27	0.87	48.82	0.19	2.49
114	1.23	10.79	2.56	0.14	11.03	0.08	1.53
115	0.06	6.90	7.85	0.01	16.90	0.04	7.95
116	3.40	52.79	3.03	0.84	24.79	0.20	2.25
117	4.32	394.97	1.72	1.55	35.98	0.34	0.77
118	0.56	530.24	2.20	0.25	45.35	0.10	0.47
119	1.92	10.20	2.25	1.21	62.96	0.23	1.68
120	0.69	30.00	2.23	0.21	30.32	0.03	0.00
121	5.97	51.98	1.33	1.74	29.19	0.15	0.92
122	0.17	84.71	1.56	0.00	0.00	0.13	0.72
123	0.26	66.17	9.76	0.13	49.62	0.04	11.80
124	0.01	0.01	29.20	0.00	36.00	0.02	23.87
125	0.74	8.98	3.11	0.44	59.38	0.13	2.37
126	1.25	930.72	0.91	0.46	36.84	0.23	0.02
127	0.51	15.06	2.74	0.29	58.04	0.10	1.99
128	0.32	40.04	2.61	0.18	56.75	0.04	1.06
129	0.24	12.85	6.90	0.16	65.95	0.10	4.97
130	2.30	1009.52	2.34	1.16	50.46	0.12	0.00
131	1.79	23.03	1.81	0.87	48.80	0.16	1.05
132	0.63	138.77	0.45	0.01	2.29	0.09	0.00
133	0.39	15.60	1.76	0.16	39.92	0.04	2.08
134	2.90	164.69	1.72	1.71	59.10	0.02	2.14
135	0.75	9.56	2.10	0.63	83.46	0.12	2.86
136	2.03	11.67	2.69	1.10	53.91	0.16	2.02
137	0.03	6.87	4.59	0.01	18.67	0.03	3.52
138	6.25	186.54	1.14	2.76	44.07	0.35	0.72
139	0.84	86.60	1.59	0.09	10.72	0.07	1.03
140	2.35	5.06	1.83	1.37	58.09	0.12	1.40
141	0.31	195.50	1.50	0.03	8.75	0.08	0.47
142	1.21	2.82	1.22	0.85	69.67	0.08	0.48
143	0.59	208.89	0.83	0.02	3.39	0.16	0.51
144	1.76	217.86	1.22	0.36	20.65	0.21	0.50
145	2.85	1032.59	0.01	0.47	16.64	0.36	0.00
146	0.56	17.60	9.84	0.39	70.86	0.05	12.61
147	6.06	18.31	0.00	4.78	78.85	0.49	0.00
148	1.38	5.83	0.60	0.82	59.39	0.21	0.16
149	0.53	13.15	1.00	0.34	63.79	0.08	0.42
150	1.20	21.68	0.00	0.76	63.50	0.10	0.00
151	3.60	40.41	1.85	2.26	62.77	0.22	0.01
152	2.70	5.07	2.02	1.51	56.14	0.15	1.79
153	0.62	99.94	1.88	0.01	1.17	0.08	0.55
154	0.14	17.59	0.42	0.01	9.43	0.07	0.04
155	1.89	1266.39	1.61	0.48	25.42	0.25	0.74
156	0.95	5.85	0.60	0.78	82.76	0.21	0.20
157	6.15	11.60	0.70	4.83	78.44	0.45	0.55
158	1.71	9.39	3.08	1.02	59.20	0.21	2.98
159	2.09	1289.95	2.74	0.63	30.01	0.19	1.43
160	0.47	12.32	1.31	0.30	64.50	0.07	0.00
161	1.22	17.28	1.50	0.75	61.65	0.17	1.08
162	2.27	67.17	1.79	1.71	75.37	0.30	0.01
163	0.24	1299.58	6.88	0.13	54.59	0.05	1.37

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
164	1.85	7.10	1.29	1.08	58.19	0.24	1.18
165	0.08	156.65	0.00	0.02	30.50	0.02	0.16
166	3.98	40.51	0.83	1.20	30.13	0.22	0.30
167	1.87	154.14	1.33	0.43	23.03	0.17	0.65
168	0.04	5.97	4.55	0.00	9.09	0.03	2.46
169	1.03	6.68	1.26	0.13	12.96	0.15	1.01
170	0.04	12.69	5.29	0.00	1.87	0.02	4.81
171	0.48	166.69	1.56	0.04	7.94	0.23	1.23
172	4.15	11.34	0.76	0.31	7.49	0.27	0.01
173	3.11	13.05	1.03	1.62	52.12	0.13	0.18
174	7.21	1374.83	0.98	4.60	63.78	0.42	0.06
175	5.30	30.43	0.91	2.04	38.55	0.39	0.46
176	0.90	8.16	1.22	0.60	67.16	0.08	0.49
177	1.26	10.89	0.79	0.11	8.74	0.13	0.57
178	0.37	19.41	0.00	0.05	12.78	0.05	0.00
179	2.17	21.28	0.42	1.51	69.48	0.33	0.41
180	2.42	5.74	2.88	1.29	53.46	0.23	2.06
181	0.84	1406.10	2.21	0.36	43.27	0.11	0.74
182	0.97	6.61	2.53	0.43	44.27	0.12	0.98
183	1.56	21.57	2.40	0.69	44.38	0.11	0.95
184	0.13	3.58	1.98	0.08	66.35	0.05	1.69
185	3.03	38.53	0.64	1.20	39.71	0.09	0.00
186	0.32	8.49	0.92	0.00	0.00	0.08	0.51
187	2.68	10.05	0.36	0.00	0.00	0.28	0.01
188	0.90	8.24	2.78	0.00	0.09	0.17	2.30
189	0.18	20.89	0.00	0.00	0.00	0.06	0.00
190	0.96	6.14	1.97	0.39	40.13	0.10	0.60
191	0.44	1412.28	1.69	0.00	0.00	0.16	1.62
192	0.44	54.95	1.94	0.06	14.70	0.12	1.27
193	1.88	194.13	1.04	0.22	11.87	0.19	0.20
194	0.56	6.74	2.26	0.07	13.15	0.06	0.05
195	3.85	28.72	0.80	2.14	55.45	0.32	0.58
196	4.25	7.90	0.67	2.58	60.69	0.37	0.56
197	0.77	254.90	1.94	0.26	33.92	0.14	0.94
198	0.50	39.55	0.85	0.27	53.39	0.13	0.20
199	0.81	1420.00	1.67	0.04	4.48	0.24	0.78
200	0.02	5.86	13.38	0.00	13.16	0.02	0.00
201	0.83	263.63	1.52	0.19	22.42	0.23	0.72
202	1.15	49.65	0.00	0.60	51.95	0.23	0.00
203	0.02	269.50	5.63	0.01	78.57	0.02	0.21
204	4.42	57.59	0.00	0.56	12.78	0.34	0.00
205	0.17	1459.72	9.48	0.02	13.16	0.05	1.04
206	3.81	6.63	0.00	1.96	51.41	0.30	0.00
207	0.13	324.36	7.16	0.09	63.96	0.03	0.35
208	1.44	10.27	1.00	0.66	45.91	0.20	0.37
209	0.43	1517.74	3.12	0.06	14.46	0.11	0.04
210	3.47	5.45	1.94	1.78	51.20	0.23	1.86
211	0.08	1528.10	10.85	0.03	38.94	0.03	0.04
212	1.08	8.25	2.85	0.75	69.66	0.11	3.61
213	1.56	351.72	1.27	1.06	67.76	0.27	0.88
214	0.97	23.31	0.15	0.20	20.96	0.39	0.03
215	0.05	1533.60	9.27	0.04	69.77	0.03	0.04
216	1.09	362.80	0.83	0.04	3.68	0.13	0.00
217	0.97	1557.89	3.16	0.30	30.84	0.05	0.04
218	10.78	10.78	0.00	8.06	74.83	0.76	0.00

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
219	0.55	11.57	0.89	0.13	23.85	0.19	0.30
220	5.40	5.40	2.19	3.20	59.18	0.61	1.98
221	9.38	9.38	2.03	5.55	59.16	0.58	1.94
222	9.18	30.66	2.15	4.42	48.10	0.31	1.29
223	5.14	31.92	2.72	2.55	49.64	0.20	2.10
224	2.32	9.96	0.50	2.07	89.44	0.15	0.05
225	1.40	11.29	0.62	0.88	63.12	0.23	0.55
226	2.68	7.68	0.87	1.58	58.77	0.12	0.70
227	0.30	21.54	1.29	0.15	50.14	0.12	0.23
228	4.65	5.21	1.02	2.47	53.21	0.35	0.59
229	0.08	29.30	1.49	0.03	35.07	0.05	0.08
230	0.33	13.52	2.61	0.23	71.74	0.11	2.14
231	3.19	80.87	1.88	2.00	62.80	0.18	0.25
232	0.53	7.19	2.62	0.25	46.77	0.11	1.16
233	1.24	166.10	0.00	0.73	58.55	0.30	0.00
234	1.49	11.97	3.67	0.02	1.05	0.13	4.31
235	3.62	1936.47	0.80	0.47	12.93	0.31	0.11
236	3.45	3.51	0.75	2.04	59.04	0.26	0.43
237	3.16	180.66	1.35	1.77	56.00	0.03	0.73
238	2.77	16.13	1.61	0.25	8.92	0.09	0.11
239	0.00	11.97	41.43	0.00	0.00	0.01	0.05
240	5.46	5.46	0.77	4.59	84.15	0.70	1.19
241	1.20	103.41	0.52	0.69	57.68	0.25	0.57
242	0.19	46.25	3.03	0.06	29.89	0.09	1.29
243	0.23	116.99	0.00	0.13	59.36	0.06	0.00
244	0.23	9.20	0.06	0.00	0.00	0.08	0.00
245	4.55	1969.12	1.83	0.12	2.59	0.27	0.04
246	5.29	5.29	0.00	3.99	75.51	0.41	0.00
247	8.54	8.54	0.55	7.47	87.40	0.94	0.90
248	0.32	5.80	3.10	0.19	58.74	0.07	0.97
249	3.99	17.82	1.60	3.45	86.44	0.14	2.20
250	5.83	202.23	1.48	0.27	4.59	0.24	0.95
251	2.73	1981.06	0.71	0.16	5.78	0.29	0.04
252	10.16	10.16	0.00	8.58	84.48	0.79	0.64
253	4.26	63.55	0.82	2.94	69.00	0.48	0.68
254	3.71	10.47	0.71	0.73	19.72	0.38	0.41
255	6.00	2189.28	2.13	1.35	22.47	0.10	0.04
256	3.19	26.82	1.52	2.90	90.84	0.31	0.35
257	7.54	81.25	0.54	6.25	82.92	0.55	0.14
258	0.37	120.80	7.65	0.08	21.25	0.08	5.64
259	2.60	2213.24	2.15	0.40	15.57	0.16	0.10
260	1.00	15.28	2.12	0.52	51.44	0.13	0.22
261	1.23	21.61	1.21	0.71	57.95	0.17	0.62
262	0.38	41.79	13.77	0.16	42.86	0.10	11.41
263	2.12	2337.20	6.72	0.54	25.27	0.10	5.29
264	6.12	6.12	2.13	1.90	31.01	0.77	2.02
265	1.40	13.99	2.49	0.24	17.46	0.23	2.23
266	7.98	7.98	1.89	1.26	15.75	0.64	1.78
267	9.78	22.89	1.80	2.78	28.45	0.44	1.53
268	6.45	6.45	3.32	0.14	2.10	0.47	3.66
269	13.29	13.29	2.79	1.03	7.72	0.79	2.67
270	1.09	7.54	3.90	0.33	30.52	0.12	2.07
271	2.54	33.41	0.75	0.78	30.51	0.30	0.51
272	3.29	19.23	2.02	0.22	6.64	0.33	1.46
273	6.20	21.05	1.54	1.05	16.93	0.39	1.08

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
274	7.37	7.37	2.23	0.10	1.36	0.61	3.00
275	0.17	30.74	2.30	0.01	4.52	0.08	0.46
276	2.03	2.03	1.80	0.67	33.14	0.51	1.67
277	0.47	38.58	3.26	0.04	8.80	0.09	3.26
278	6.28	24.73	3.13	1.88	29.87	0.25	1.27
279	2.10	42.71	2.15	0.59	28.12	0.09	3.58
280	2.54	13.29	1.38	0.25	9.92	0.19	1.19
281	4.60	44.88	1.03	0.76	16.51	0.31	0.63
282	12.60	12.60	1.13	1.58	12.55	0.69	1.37
283	17.94	38.05	1.85	1.98	11.04	0.65	0.93
284	10.93	18.45	4.01	3.00	27.43	0.28	1.77
285	6.45	6.45	1.12	0.53	8.20	0.56	1.58
286	0.64	41.59	4.94	0.32	50.66	0.06	0.31
287	12.63	50.68	2.39	2.13	16.85	0.44	1.30
288	6.65	131.08	0.68	1.59	23.86	0.33	0.22
289	15.94	15.94	2.84	0.54	3.40	0.61	3.14
290	10.76	10.76	3.22	0.63	5.83	0.74	3.82
291	1.67	14.01	3.75	0.07	3.92	0.04	1.68
292	2.98	152.00	0.96	0.58	19.44	0.17	0.73
293	7.71	58.39	2.46	0.86	11.17	0.19	0.97
294	7.02	81.42	1.95	1.19	16.87	0.15	0.66
295	0.46	237.02	2.76	0.08	17.47	0.08	0.80
296	4.81	378.62	3.08	2.91	60.46	0.02	1.05
297	2.70	384.87	2.37	0.92	34.10	0.07	0.07
298	8.81	45.85	1.53	4.52	51.26	0.24	0.42
299	5.12	14.52	2.20	1.49	29.07	0.12	1.58
300	0.93	13.07	2.45	0.34	36.87	0.08	0.37
301	1.95	24.63	3.93	0.77	39.53	0.06	3.93
302	4.63	64.33	2.70	2.34	50.52	0.10	0.89
303	7.48	20.77	2.54	2.76	36.90	0.24	1.61
304	4.35	13.29	3.41	2.34	53.68	0.10	3.35
305	3.38	46.01	2.17	1.03	30.37	0.18	1.39
306	3.88	35.70	0.00	0.36	9.36	0.13	0.00
307	4.06	4.06	0.00	3.20	78.91	0.35	0.00
308	3.66	112.53	0.54	1.71	46.71	0.20	0.61
309	9.00	44.61	0.81	6.13	68.07	0.27	0.70
310	6.28	2209.97	2.73	2.37	37.77	0.14	0.17
311	4.56	112.63	1.50	2.97	65.11	0.19	1.01
312	9.16	14.27	1.60	6.05	66.06	0.29	0.64
313	3.70	13.19	2.75	1.79	48.48	0.16	1.62
314	10.68	77.69	1.87	5.52	51.71	0.30	0.96
315	6.70	21.48	2.68	3.57	53.34	0.10	0.00
316	5.83	17.31	2.14	3.40	58.31	0.25	1.88
317	1.56	192.25	1.35	0.84	53.57	0.09	0.53
318	1.33	54.51	3.43	0.78	58.43	0.02	0.60
319	0.48	99.32	2.19	0.01	2.35	0.05	0.95
320	0.46	94.87	0.00	0.00	0.26	0.05	0.00
321	0.53	94.41	2.09	0.01	1.43	0.06	1.00
322	0.52	93.88	2.60	0.00	0.62	0.06	1.07
323	0.52	87.83	2.80	0.01	2.62	0.05	1.27
324	0.55	87.31	2.63	0.00	0.29	0.05	1.43
325	0.16	86.75	0.00	0.00	0.76	0.02	0.00
326	1.15	69.98	3.57	0.21	18.30	0.08	1.55
327	2.71	9.09	4.27	1.73	64.07	0.09	3.13
328	2.20	9.50	2.53	1.05	47.60	0.09	0.55

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
329	2.89	2.89	1.34	0.29	10.19	0.25	1.04
330	4.63	51.29	2.08	0.24	5.28	0.17	0.00
331	6.85	24.46	0.77	5.10	74.45	0.22	0.11
332	1.35	17.04	0.75	0.85	63.06	0.16	0.36
333	5.19	5.19	2.23	3.14	60.64	0.36	1.81
334	2.38	58.64	2.56	1.24	52.37	0.13	0.00
335	1.65	5.64	3.91	0.70	42.32	0.09	1.71
336	4.31	11.55	2.73	2.46	57.03	0.11	1.69
337	2.29	6.69	4.40	1.43	62.63	0.11	4.06
338	4.30	7.96	1.75	2.53	58.73	0.19	0.67
339	12.76	12.76	2.74	8.00	62.71	0.79	2.22
340	6.94	14.66	2.69	4.56	65.69	0.29	2.01
341	7.72	7.72	2.85	1.67	21.62	0.42	3.15
342	6.73	252.17	2.02	3.42	50.79	0.15	0.48
343	0.93	47.92	3.50	0.27	29.53	0.07	1.52
344	3.30	20.01	3.06	1.47	44.44	0.11	1.35
345	3.72	4.70	3.39	1.59	42.67	0.16	2.63
346	3.66	3.66	3.51	2.02	55.19	0.25	3.49
347	2.46	5.05	3.75	1.45	58.91	0.06	2.79
348	1.62	47.01	3.70	0.98	60.41	0.06	3.37
349	2.43	46.15	0.39	1.82	74.74	0.21	0.23
350	4.31	9.49	2.41	2.56	59.41	0.21	2.10
351	0.71	331.71	1.59	0.48	67.32	0.17	0.26
352	1.41	13.85	1.50	0.88	62.61	0.16	0.84
353	4.25	13.60	2.04	3.42	80.60	0.15	2.10
354	3.94	5.46	1.74	0.71	17.95	0.35	0.98
355	3.26	189.03	1.25	1.96	60.09	0.13	0.87
356	7.37	196.40	0.99	2.40	32.56	0.29	0.00
357	2.28	5.77	1.50	1.07	46.75	0.24	0.96
358	8.67	55.66	2.00	5.81	67.06	0.27	1.18
359	4.68	44.35	2.63	3.23	68.98	0.12	1.65
360	3.63	59.30	1.72	2.49	68.56	0.25	1.31
361	0.74	54.54	3.06	0.34	46.08	0.06	1.00
362	2.95	7.54	3.77	1.73	58.51	0.21	3.71
363	3.16	5.09	4.51	1.75	55.30	0.25	3.98
364	4.90	4.90	5.75	2.66	54.30	0.49	6.07
365	2.41	6.37	1.88	1.43	59.51	0.09	1.11
366	2.75	5.23	3.49	1.68	61.08	0.23	3.06
367	5.12	111.75	0.62	1.66	32.35	0.20	0.00
368	3.58	4.40	4.18	2.24	62.65	0.12	4.09
369	2.47	16.70	3.63	1.35	54.68	0.05	1.63
370	1.08	9.21	3.71	0.58	54.02	0.07	0.74
371	5.91	5.91	3.78	3.33	56.31	0.51	3.92
372	5.11	5.11	0.43	2.65	51.93	0.39	0.37
373	2.73	11.51	1.81	1.59	58.36	0.21	1.49
374	0.24	3.09	0.00	0.14	58.72	0.06	0.00
375	14.85	14.85	2.27	1.36	9.13	0.58	1.86
376	10.22	10.22	1.86	1.77	17.30	0.67	1.86
377	2.69	64.11	2.25	0.95	35.18	0.19	0.89
378	4.70	1260.42	1.06	1.36	28.91	0.33	0.51
379	2.49	2.49	2.54	1.52	60.93	0.35	2.78
380	9.47	26.78	2.25	5.62	59.36	0.22	0.96
381	2.65	5.01	2.70	0.80	30.06	0.04	0.09
382	4.58	7.22	2.38	2.40	52.47	0.29	2.20
383	1.25	1.25	3.58	0.26	20.91	0.28	3.72

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
384	2.35	182.52	1.51	0.87	37.23	0.14	0.59
385	1.41	324.23	0.91	0.76	53.73	0.24	0.25
386	13.11	13.11	1.93	3.41	25.97	0.70	2.27
387	7.51	7.51	2.19	1.34	17.86	0.36	3.06
388	10.83	30.57	2.68	2.49	22.95	0.18	0.95
389	1.55	516.71	4.02	0.69	44.50	0.14	0.40
390	1.04	1.04	3.59	0.66	63.38	0.20	3.46
391	6.88	8.96	2.31	2.93	42.65	0.34	2.05
392	2.99	2.99	4.56	0.84	27.99	0.27	4.92
393	1.42	1.42	5.91	0.37	26.05	0.25	6.13
394	6.21	6.21	2.05	2.48	39.86	0.54	2.20
395	3.57	7.27	2.00	1.90	53.33	0.17	1.29
396	4.43	4.43	1.89	2.32	52.26	0.44	1.75
397	7.82	102.21	1.61	4.96	63.43	0.22	0.89
398	1.35	1.35	4.28	0.78	57.42	0.24	4.49
399	0.56	0.56	5.28	0.32	55.97	0.12	4.18
400	6.78	10.48	0.00	3.96	58.38	0.31	0.00
401	3.11	13.36	1.01	0.11	3.47	0.20	0.45
402	5.47	5.47	1.42	3.80	69.36	0.45	0.80
403	0.06	4.18	0.00	0.05	80.92	0.02	0.00
404	2.78	36.53	1.17	1.65	59.48	0.24	0.90
405	0.85	12.41	1.60	0.51	59.76	0.08	0.00
406	1.47	8.81	1.35	0.89	60.62	0.09	0.00
407	1.08	515.16	6.05	0.45	42.05	0.09	0.00
408	1.32	81.69	2.18	0.40	30.30	0.10	0.45
409	2.85	84.53	0.00	1.16	40.71	0.13	0.00
410	1.46	138.14	1.76	0.00	0.16	0.19	0.97
411	8.58	8.58	2.96	2.12	24.68	0.51	3.69
412	11.08	11.08	4.02	1.01	9.10	0.50	4.15
413	9.32	9.32	1.69	3.03	32.48	0.74	1.92
414	11.53	11.53	4.13	5.88	50.99	0.51	4.20
415	12.67	12.67	1.47	6.51	51.35	0.71	1.72
416	2.97	2.97	2.65	1.72	57.84	0.35	2.50
417	1.56	3.37	2.78	0.94	60.03	0.10	1.38
418	5.90	7.93	0.54	0.84	14.26	0.30	0.02
419	1.81	33.77	4.43	1.05	57.84	0.12	1.41
420	1.41	216.10	0.99	0.82	58.46	0.09	1.10
421	2.65	2.65	0.90	1.69	63.70	0.28	1.52
422	5.12	33.45	2.01	3.10	60.52	0.19	0.17
423	15.72	15.72	1.80	8.74	55.62	1.05	1.86
424	12.62	12.62	2.54	6.86	54.35	0.74	2.70
425	2.02	2.02	3.01	1.81	89.56	0.32	1.88
426	4.18	4.18	4.33	0.82	19.52	0.38	4.55
427	5.73	5.73	2.66	2.41	42.13	0.42	2.21
428	5.47	5.47	3.77	3.56	65.02	0.54	3.55
429	0.62	157.68	1.51	0.09	14.92	0.07	0.92
430	1.30	1.30	4.87	0.85	65.50	0.19	5.93
431	4.22	4.22	1.61	2.57	60.97	0.41	1.48
432	2.79	2.79	1.98	1.83	65.65	0.24	2.06
433	0.43	5.68	1.84	0.17	39.07	0.01	0.16
434	1.77	4.64	1.71	0.86	48.52	0.03	1.17
435	0.68	2.11	0.74	0.43	62.68	0.09	0.38
436	2.34	52.23	2.85	1.24	52.93	0.07	1.64
437	0.67	46.03	3.55	0.28	41.81	0.06	1.93
438	0.99	43.82	0.91	0.40	40.43	0.10	0.00

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
439	0.32	42.83	4.79	0.16	49.50	0.02	0.72
440	0.68	36.84	0.55	0.24	35.55	0.07	0.00
441	1.89	36.16	2.94	0.69	36.47	0.06	1.17
442	3.18	34.27	2.39	1.52	47.84	0.08	0.25
443	2.64	57.19	1.80	0.62	23.62	0.11	1.10
444	0.82	58.01	3.72	0.25	30.29	0.07	1.52
445	2.64	2.64	4.45	0.42	16.03	0.23	5.25
446	1.62	1.62	5.42	0.29	18.08	0.19	6.78
447	0.83	8.04	2.50	0.20	24.24	0.10	1.85
448	0.02	5.04	4.81	0.01	26.23	0.02	2.54
449	2.32	3.93	3.62	0.72	31.06	0.20	3.24
450	0.24	0.24	0.87	0.12	49.67	0.13	0.54
451	1.11	1.35	1.04	0.42	37.87	0.50	1.03
452	0.74	0.74	1.88	0.36	48.06	0.25	1.14
453	14.35	15.70	1.09	2.82	19.64	0.26	0.85
454	2.37	2.37	1.45	1.10	46.58	0.52	1.18
455	0.77	16.48	1.39	0.35	44.88	0.33	1.21
456	0.59	0.59	3.66	0.01	2.22	0.16	3.16
457	2.04	2.63	3.14	1.00	48.83	0.05	3.83
458	0.75	0.75	3.19	0.48	63.95	0.14	3.55
459	1.82	2.57	3.47	1.03	56.27	0.10	1.35
460	1.84	4.41	2.27	1.09	59.06	0.08	1.10
461	1.62	6.03	3.48	0.96	59.14	0.06	0.57
462	3.29	3.29	2.07	1.34	40.65	0.46	2.19
463	1.09	1.09	1.74	0.56	51.37	0.20	1.42
464	0.56	1.65	1.53	0.18	32.78	0.14	1.04
465	0.44	0.44	11.15	0.06	12.41	0.13	12.14
466	1.91	1.91	2.91	0.18	9.63	0.25	3.27
467	2.75	8.08	3.09	0.09	3.15	0.12	0.18
468	1.82	4.39	2.78	1.01	55.38	0.06	0.77
469	2.57	2.57	3.92	1.53	59.56	0.36	3.91
470	1.53	1.53	0.60	0.83	54.38	0.21	0.78
471	1.23	1.23	0.82	0.68	55.27	0.22	1.12
472	0.93	0.93	2.23	0.51	55.32	0.20	2.18
473	0.65	1.57	1.29	0.40	61.62	0.12	0.83
474	0.96	6.09	4.58	0.51	53.45	0.05	0.48
475	4.04	5.13	3.03	2.17	53.79	0.11	1.83
476	0.48	0.48	0.44	0.26	52.89	0.13	0.57
477	0.61	0.61	4.47	0.43	70.11	0.14	3.65
478	1.47	1.47	4.19	0.84	57.19	0.20	3.70
479	1.04	2.51	3.90	0.60	58.11	0.10	0.95
480	3.75	6.26	3.52	2.16	57.49	0.11	2.76
481	1.46	7.72	2.97	0.81	55.71	0.15	2.27
482	0.18	0.18	1.96	0.00	0.66	0.08	1.03
483	0.62	0.62	0.70	0.14	22.68	0.21	0.44
484	0.79	1.41	0.34	0.12	14.83	0.21	0.22
485	2.72	2.72	0.80	1.54	56.60	0.40	0.66
486	2.51	2.99	1.38	1.36	54.14	0.23	1.26
487	0.47	0.47	2.34	0.25	52.70	0.14	2.28
488	0.64	0.64	0.70	0.28	44.46	0.18	0.88
489	4.06	6.85	2.59	2.25	55.48	0.20	1.52
490	0.21	0.21	0.00	0.12	54.41	0.11	0.00
491	1.03	1.03	0.74	0.19	18.69	0.25	0.62
492	1.38	2.41	0.71	0.27	19.25	0.31	0.58
493	0.29	0.29	1.57	0.14	49.93	0.13	1.15

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
494	0.65	0.65	0.87	0.13	20.56	0.19	0.63
495	0.75	0.75	1.41	0.40	53.08	0.18	1.30
496	0.90	0.90	0.71	0.51	56.62	0.20	1.30
497	2.79	2.79	4.86	0.94	33.65	0.33	4.68
498	1.47	1.47	2.66	0.34	23.14	0.35	1.68
499	1.14	1.14	0.53	0.24	21.15	0.29	0.43
500	1.10	1.10	3.82	0.65	59.34	0.16	3.08
501	1.34	1.34	2.93	0.71	52.90	0.17	3.25
502	1.80	65.91	1.62	0.58	32.13	0.17	0.66
503	1.93	1.93	5.64	0.81	42.04	0.17	5.42
504	2.70	2.70	6.18	1.33	49.26	0.35	5.72
505	1.08	1.08	4.25	0.22	19.92	0.15	4.83
506	0.72	0.72	5.69	0.38	52.98	0.20	4.89
507	1.68	1.68	0.75	0.04	2.57	0.21	1.36
508	0.75	0.75	4.27	0.03	3.82	0.20	4.14
509	1.74	2.50	1.32	0.41	23.43	0.05	0.00
510	3.38	8.47	2.97	1.98	58.62	0.12	3.58
511	2.53	11.00	1.27	1.50	59.03	0.14	1.94
512	0.61	11.61	0.81	0.43	70.07	0.09	0.39
513	2.40	5.43	1.24	1.47	61.34	0.18	0.42
514	1.51	1.51	0.55	1.01	66.76	0.21	0.93
515	2.26	2.26	4.92	1.15	51.09	0.30	6.48
516	0.78	0.78	5.48	0.43	55.54	0.15	7.30
517	0.85	0.85	2.68	0.52	61.50	0.16	3.49
518	3.18	3.18	6.25	0.69	21.69	0.28	6.63
519	3.03	3.03	2.56	1.29	42.44	0.77	2.61
520	1.47	4.92	1.29	0.83	56.69	0.13	0.63
521	1.06	1.06	2.70	0.41	38.60	0.24	4.29
522	0.21	1.27	7.66	0.08	36.29	0.02	0.15
523	1.28	1.28	0.40	0.31	24.07	0.37	0.45
524	0.90	2.18	1.93	0.20	21.86	0.34	1.69
525	4.09	4.09	2.33	3.73	91.19	0.41	1.40
526	1.26	1.26	1.15	0.78	61.97	0.24	1.46
527	1.98	8.16	1.08	1.32	66.70	0.13	1.09
528	0.59	0.90	0.19	0.56	93.88	0.02	0.00
529	0.31	0.31	0.00	0.25	80.70	0.10	0.05
530	1.17	3.43	1.84	0.67	57.00	0.09	0.97
531	0.82	1.01	0.00	0.54	65.37	0.06	0.00
532	0.19	0.19	1.35	0.12	61.68	0.06	2.27
533	2.02	2.02	1.05	1.05	51.90	0.30	0.75
534	2.81	2.81	0.00	2.21	78.50	0.35	0.14
535	2.82	2.82	0.98	0.45	15.83	0.34	1.20
536	0.35	2.89	0.18	0.00	0.00	0.14	0.01
537	2.55	2.55	0.00	0.32	12.56	0.29	0.07
538	0.25	0.25	0.80	0.00	1.61	0.13	0.83
539	0.63	0.63	0.58	0.10	16.05	0.15	0.69
540	0.41	1.03	0.19	0.00	1.18	0.10	0.10
541	1.87	2.90	1.17	0.04	2.17	0.09	0.49
542	1.34	1.34	0.00	0.00	0.00	0.18	0.01
543	4.30	7.19	0.61	0.00	0.07	0.25	0.06
544	1.43	1.43	0.00	0.17	11.56	0.24	0.03
545	1.88	3.22	0.11	0.00	0.00	0.18	0.07
546	0.40	3.62	0.00	0.00	0.00	0.07	0.00
547	0.92	6.87	1.43	0.00	0.13	0.07	0.15
548	0.49	7.37	1.03	0.00	0.00	0.08	0.14

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
549	1.64	4.54	0.96	0.01	0.90	0.13	0.21
550	3.63	8.17	0.32	0.24	6.68	0.10	0.00
551	1.52	20.06	0.64	0.00	0.00	0.09	0.13
552	0.65	20.71	0.00	0.00	0.00	0.12	0.00
553	3.06	6.68	0.34	0.10	3.21	0.16	0.32
554	0.66	0.66	0.48	0.10	14.59	0.13	0.51
555	2.56	2.56	0.69	0.23	9.12	0.30	0.61
556	0.27	42.60	1.50	0.00	0.00	0.12	0.11
557	1.16	38.29	3.33	0.00	0.28	0.07	0.31
558	4.04	4.04	0.34	0.00	0.00	0.43	0.25
559	0.99	2.68	0.19	0.00	0.00	0.22	0.16
560	1.69	1.69	0.46	0.13	7.84	0.23	0.49
561	0.57	0.57	0.57	0.35	61.03	0.14	0.60
562	0.61	1.18	0.40	0.23	37.69	0.16	0.18
563	1.53	1.53	0.31	1.29	84.38	0.21	0.26
564	0.72	0.72	0.56	0.58	81.55	0.19	0.51
565	1.26	2.44	0.47	0.04	3.13	0.14	0.39
566	1.83	4.28	0.42	0.19	10.21	0.11	0.31
567	0.71	4.98	0.53	0.34	48.78	0.08	0.08
568	1.50	6.48	0.63	0.16	10.62	0.13	0.60
569	0.96	0.96	0.63	0.11	11.12	0.16	0.67
570	0.60	8.04	0.00	0.12	20.56	0.14	0.00
571	0.79	0.79	0.58	0.18	22.70	0.21	0.37
572	0.89	2.25	0.54	0.63	70.87	0.17	0.32
573	1.46	2.99	0.44	1.13	77.34	0.15	0.41
574	0.65	1.37	0.00	0.45	68.32	0.11	0.00
575	1.51	1.51	0.53	0.27	17.90	0.18	0.14
576	0.65	0.65	0.96	0.04	6.90	0.15	0.81
577	1.22	1.87	1.06	0.06	5.13	0.17	0.67
578	0.73	0.73	2.05	0.13	17.95	0.20	1.61
579	2.21	7.88	1.40	0.14	6.54	0.15	0.66
580	0.53	0.53	0.65	0.00	0.83	0.16	0.51
581	1.15	36.61	0.59	0.11	9.92	0.05	0.00
582	0.60	1.44	1.51	0.34	56.89	0.08	0.40
583	1.00	1.00	1.41	0.60	59.70	0.16	0.85
584	1.98	1.98	1.59	1.22	61.41	0.17	1.36
585	0.57	6.18	0.91	0.35	61.50	0.09	0.00
586	2.49	5.62	0.90	1.39	55.64	0.21	0.31
587	0.84	0.84	0.58	0.49	58.16	0.18	1.19
588	0.41	0.41	1.08	0.21	52.60	0.08	0.87
589	2.11	2.11	1.35	1.25	59.33	0.20	0.98
590	0.59	2.70	1.85	0.32	53.33	0.09	0.12
591	1.08	3.78	0.23	0.62	57.23	0.07	0.00
592	0.77	0.77	2.04	0.49	64.18	0.14	1.54
593	0.88	0.88	0.29	0.02	2.28	0.20	0.31
594	1.00	1.00	0.00	0.00	0.00	0.20	0.00
595	1.59	2.36	1.14	0.83	52.30	0.07	0.20
596	0.78	0.78	1.71	0.50	64.50	0.19	1.09
597	0.62	0.62	2.19	0.56	90.27	0.16	1.51
598	1.18	1.18	0.99	1.04	88.28	0.20	0.80
599	0.95	3.32	1.30	0.53	55.58	0.02	0.07
600	0.86	0.86	2.81	0.55	63.76	0.13	2.32
601	0.75	0.75	1.24	0.01	1.56	0.14	0.87
602	1.50	1.50	0.84	1.13	74.88	0.17	0.48
603	1.62	3.13	1.16	1.01	61.97	0.08	0.07

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
604	1.82	8.58	0.00	1.23	67.68	0.20	0.00
605	1.10	1.10	1.10	0.80	72.37	0.21	0.76
606	0.49	0.49	0.93	0.44	88.91	0.12	0.79
607	0.20	5.16	0.54	0.13	66.14	0.03	0.20
608	1.75	1.75	0.01	1.54	87.65	0.25	0.17
609	1.15	4.74	0.12	0.82	70.97	0.09	0.00
610	1.40	2.70	1.42	0.89	63.32	0.13	0.84
611	0.27	0.27	2.00	0.18	66.62	0.10	1.86
612	1.17	9.75	1.79	0.74	63.60	0.08	0.07
613	0.33	0.33	0.37	0.22	66.67	0.08	0.46
614	1.69	2.02	0.00	1.07	63.13	0.13	0.00
615	0.21	2.24	0.56	0.14	64.06	0.06	0.07
616	0.40	0.40	0.00	0.28	68.73	0.13	0.00
617	1.74	1.74	1.02	0.19	10.71	0.28	0.81
618	1.30	1.30	0.32	1.20	93.02	0.22	0.19
619	2.78	5.67	1.38	0.61	22.08	0.12	0.98
620	1.07	7.26	1.19	0.59	55.01	0.10	0.35
621	0.52	0.52	2.18	0.38	72.72	0.15	1.48
622	1.60	1.60	1.96	0.04	2.58	0.17	2.17
623	2.34	2.86	1.49	0.10	4.45	0.28	0.70
624	0.97	3.11	0.40	0.06	6.50	0.19	0.46
625	3.10	3.10	2.16	0.06	2.04	0.47	3.13
626	0.55	9.62	0.88	0.16	28.64	0.11	0.66
627	1.03	2.07	1.69	0.71	69.11	0.12	1.16
628	1.02	1.02	1.26	0.76	74.15	0.16	0.67
629	1.29	1.29	5.01	0.02	1.52	0.22	4.71
630	0.52	0.52	3.60	0.00	0.46	0.20	3.94
631	2.14	2.14	1.80	0.06	2.67	0.58	2.00
632	1.04	1.04	2.09	0.62	59.62	0.47	2.82
633	1.72	1.72	2.36	1.00	58.45	0.49	2.90
634	0.11	2.48	3.15	0.07	69.70	0.02	0.00
635	1.55	3.55	1.00	0.91	58.46	0.07	0.86
636	1.61	1.61	0.31	1.02	63.07	0.25	0.39
637	2.71	2.71	2.19	1.43	52.88	0.42	2.45
638	1.77	1.77	2.37	1.07	60.50	0.39	2.89
639	3.11	5.93	3.59	1.69	54.43	0.08	3.49
640	1.94	1.94	2.75	1.16	59.93	0.27	3.20
641	1.14	1.14	5.11	0.77	67.01	0.24	4.65
642	2.08	2.84	1.08	1.64	78.94	0.13	0.23
643	1.91	1.91	1.04	1.67	87.53	0.24	0.82
644	5.45	5.45	0.63	4.49	82.32	0.47	0.51
645	2.00	2.00	0.33	1.11	55.37	0.26	0.55
646	2.81	6.84	2.24	1.63	57.81	0.28	2.04
647	1.56	2.88	5.72	0.93	59.46	0.08	5.22
648	0.79	0.79	3.72	0.50	63.07	0.27	3.41
649	1.89	3.70	3.24	1.14	60.02	0.22	4.00
650	2.40	5.25	2.60	1.43	59.70	0.10	2.70
651	1.51	1.51	3.71	0.86	56.56	0.24	3.44
652	1.34	1.34	2.64	0.83	62.20	0.22	2.56
653	1.92	1.92	2.77	1.17	61.15	0.36	2.09
654	0.58	2.49	5.45	0.38	65.17	0.09	3.85
655	1.48	1.48	2.60	0.79	53.75	0.20	1.97
656	0.72	0.72	3.01	0.41	56.61	0.12	2.85
657	1.20	1.20	4.52	0.76	63.51	0.20	4.71
658	0.50	0.50	2.91	0.34	68.55	0.14	2.85

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
659	0.30	1.81	4.56	0.14	46.85	0.09	3.60
660	1.01	1.01	3.80	0.63	62.65	0.25	3.53
661	0.55	0.55	4.52	0.30	53.79	0.11	4.42
662	1.35	3.59	2.75	0.86	63.33	0.09	1.76
663	0.72	0.72	6.07	0.47	64.31	0.16	5.77
664	1.74	10.83	3.84	1.11	64.04	0.09	2.96
665	6.39	6.39	4.09	3.80	59.57	0.31	5.27
666	4.49	68.83	2.61	2.37	52.73	0.06	3.19
667	1.81	1.81	2.78	1.02	56.45	0.27	2.28
668	0.82	0.82	5.15	0.47	56.78	0.19	4.92
669	2.18	7.23	3.24	1.27	58.16	0.05	0.00
670	1.66	7.30	3.15	0.73	44.06	0.08	0.00
671	3.99	3.99	2.63	2.10	52.58	0.37	3.62
672	2.25	14.56	1.78	0.81	36.25	0.12	0.93
673	1.51	1.51	4.63	0.82	54.56	0.22	4.21
674	0.69	0.69	6.08	0.39	56.42	0.19	6.59
675	1.39	2.81	5.44	0.72	52.04	0.09	4.62
676	1.52	1.52	4.79	0.80	52.18	0.16	3.78
677	5.17	5.17	4.46	1.05	20.35	0.43	4.22
678	1.93	7.10	3.92	0.50	25.63	0.11	2.67
679	1.48	9.56	4.66	0.02	1.35	0.10	2.87
680	1.74	3.00	3.05	1.05	60.30	0.12	2.69
681	0.68	0.68	3.17	0.44	64.27	0.18	2.96
682	1.72	2.08	7.20	0.97	56.14	0.12	6.51
683	1.57	29.88	2.79	0.85	53.94	0.16	1.99
684	1.52	1.52	5.66	0.30	19.65	0.24	5.43
685	0.32	0.32	5.84	0.20	61.26	0.17	5.72
686	0.29	0.29	5.94	0.20	68.14	0.17	5.35
687	0.54	0.54	4.51	0.30	55.71	0.16	4.37
688	1.80	2.41	3.18	1.15	64.07	0.20	2.38
689	1.14	1.58	6.34	0.11	9.26	0.11	5.09
690	1.84	1.84	7.25	0.43	23.53	0.23	8.25
691	2.36	2.36	4.52	0.19	7.97	0.31	5.14
692	0.36	0.36	0.99	0.18	50.62	0.10	1.93
693	0.98	0.98	4.41	0.48	48.29	0.15	4.19
694	2.93	8.13	3.46	1.46	49.93	0.15	2.32
695	5.02	14.23	2.70	2.33	46.32	0.09	0.78
696	3.12	31.31	1.75	1.42	45.61	0.16	1.22
697	2.14	2.14	2.49	1.40	65.53	0.31	2.48
698	0.10	2.24	0.00	0.08	75.70	0.02	0.00
699	0.50	0.50	1.41	0.31	61.11	0.16	1.51
700	3.55	3.55	3.15	2.05	57.77	0.36	2.72
701	0.62	4.17	3.93	0.37	59.68	0.02	0.49
702	1.02	3.52	2.66	0.65	63.53	0.09	1.77
703	2.12	2.12	3.17	1.21	57.05	0.29	3.07
704	0.48	0.48	5.13	0.28	58.26	0.16	4.50
705	0.47	0.47	2.93	0.29	62.76	0.11	3.88
706	0.85	0.85	2.13	0.41	48.63	0.21	2.19
707	1.77	3.57	3.16	1.02	57.42	0.11	3.36
708	0.74	51.32	2.00	0.45	60.21	0.07	1.04
709	1.33	52.65	2.36	0.82	61.96	0.12	0.95
710	0.53	53.18	2.38	0.32	60.36	0.06	0.97
711	0.90	0.90	2.06	0.52	57.62	0.21	2.81
712	1.21	1.21	0.82	0.82	68.17	0.34	1.27
713	1.38	1.38	2.76	0.82	59.27	0.25	3.44

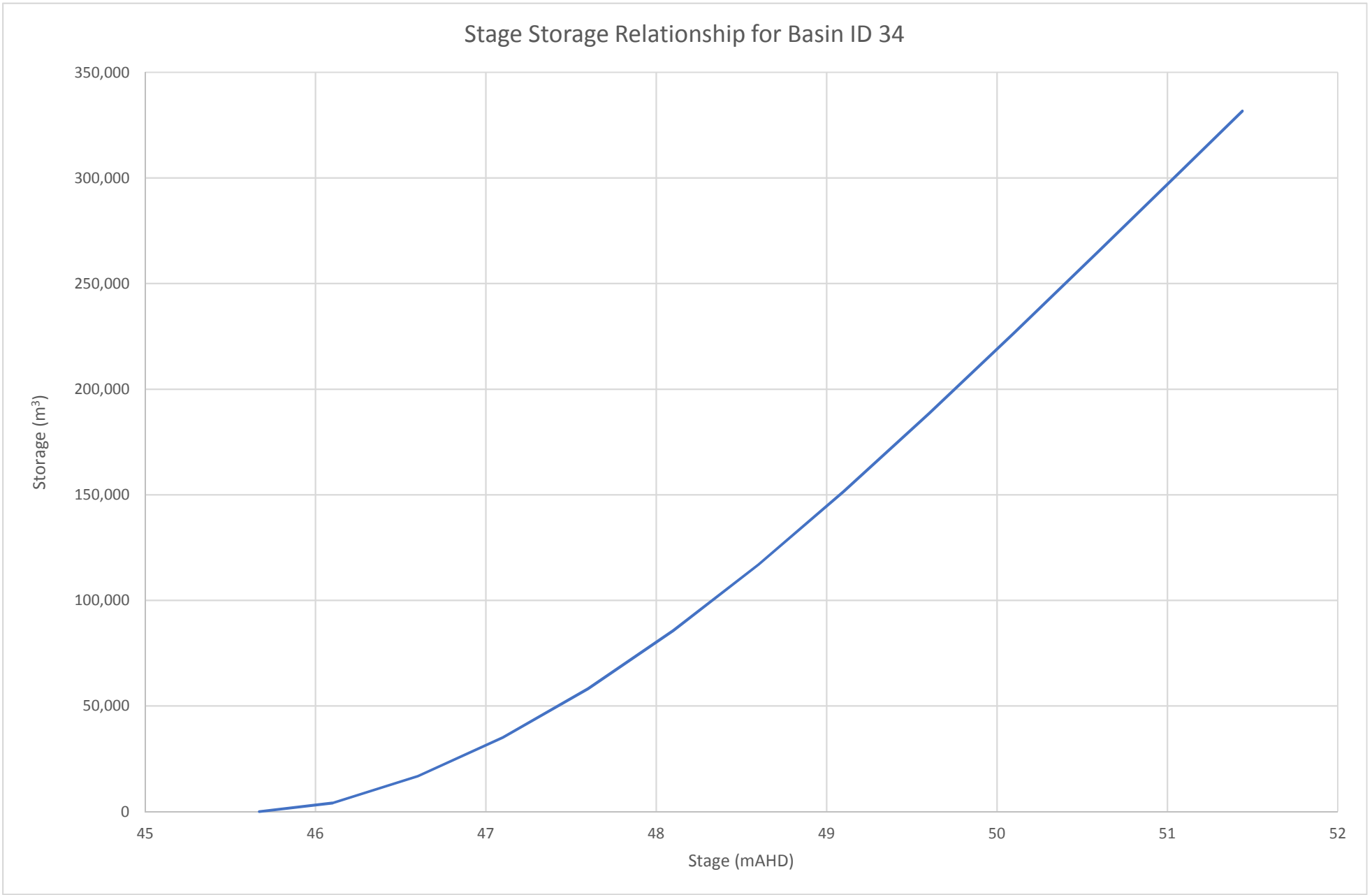
Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
714	0.76	2.14	1.55	0.47	61.75	0.10	0.79
715	3.93	186.44	1.32	1.56	39.68	0.08	0.00
716	1.50	1.50	1.74	0.78	52.22	0.31	1.51
717	1.79	43.90	1.64	1.03	57.63	0.11	0.91
718	3.45	3.45	2.55	2.13	61.67	0.38	2.23
719	1.78	3.05	4.67	0.88	49.77	0.14	4.82
720	1.27	1.27	4.32	0.63	49.86	0.16	2.71
721	1.36	1.36	0.31	0.89	65.52	0.28	0.21
722	1.21	1.21	0.00	0.68	56.03	0.18	0.05
723	0.34	1.70	1.29	0.16	48.64	0.08	0.86
724	0.28	1.82	0.00	0.15	55.88	0.08	0.00
725	4.85	5.82	0.39	2.33	47.95	0.28	0.18
726	1.15	1.76	3.07	0.60	52.39	0.07	1.23
727	0.84	251.67	0.35	0.06	6.87	0.11	0.00
728	0.61	0.61	4.32	0.29	48.61	0.19	5.15
729	0.61	0.61	2.57	0.08	13.05	0.12	2.31
730	0.45	0.45	0.00	0.28	61.92	0.12	0.00
731	0.61	1.07	1.55	0.43	69.21	0.08	1.40
732	3.64	5.00	2.29	2.06	56.46	0.13	1.77
733	0.15	0.97	1.28	0.10	61.82	0.04	0.34
734	0.54	0.54	0.62	0.25	46.24	0.14	0.00
735	0.27	0.82	0.95	0.19	68.80	0.10	0.11
736	0.09	5.84	3.53	0.04	42.79	0.02	0.00
737	2.46	2.46	1.12	0.24	9.72	0.41	0.94
738	2.65	2.65	0.62	0.21	7.79	0.35	0.63
739	1.39	1.39	1.13	0.14	10.02	0.32	0.76
740	1.72	4.36	0.69	0.10	5.85	0.13	0.76
741	0.60	0.60	0.73	0.00	0.00	0.13	0.41
742	1.54	1.54	1.08	0.04	2.31	0.27	0.73
743	1.28	1.28	1.25	0.09	6.77	0.17	0.98
744	1.78	1.78	0.25	0.47	26.21	0.30	0.10
745	0.59	0.59	0.73	0.25	42.13	0.14	0.65
746	0.50	1.10	0.59	0.22	44.27	0.01	0.13
747	1.54	1.54	0.68	0.68	44.00	0.28	0.46
748	2.34	2.34	0.86	0.32	13.72	0.43	0.75
749	0.43	1.03	0.00	0.00	0.00	0.07	0.00
750	0.93	0.93	1.32	0.16	17.51	0.17	1.23
751	1.73	2.66	0.92	0.31	17.99	0.16	0.21
752	1.94	350.16	1.86	1.24	63.79	0.03	1.58
753	1.24	1.24	0.79	0.92	74.54	0.25	1.07
754	2.93	2.93	0.65	2.30	78.66	0.33	0.53
755	1.67	4.60	0.35	1.32	78.88	0.16	0.09
756	0.27	0.27	2.29	0.09	31.60	0.07	1.69
757	0.08	0.08	1.67	0.04	43.87	0.05	1.62
758	1.06	7.17	0.39	0.60	56.36	0.18	0.22
759	2.68	2.68	0.59	0.52	19.47	0.21	0.59
760	1.52	1.52	0.61	0.36	23.71	0.29	0.43
761	0.14	1.61	1.62	0.11	80.28	0.04	0.60
762	0.06	3.12	2.10	0.04	64.79	0.04	0.31
763	1.12	113.65	0.64	0.68	60.46	0.24	0.28
764	1.08	1.08	0.00	0.56	51.68	0.23	0.00
765	0.37	44.98	2.02	0.18	47.45	0.09	0.22
766	1.20	6.65	1.97	0.62	51.81	0.05	0.14
767	0.45	2.43	1.65	0.15	33.01	0.08	0.21
768	0.68	0.68	0.64	0.40	59.43	0.21	0.48

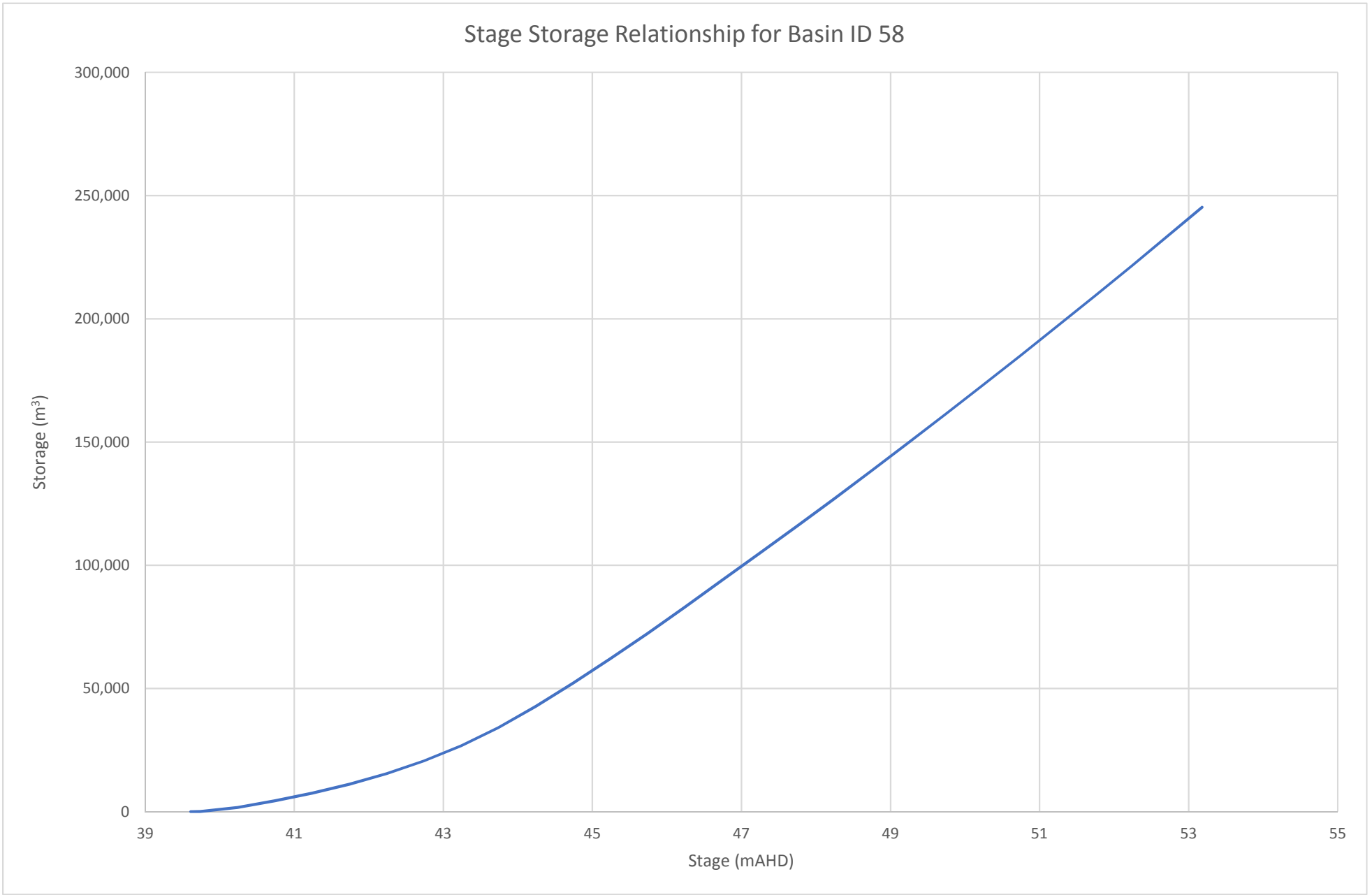
Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
769	1.30	1.30	0.67	0.19	14.60	0.20	0.64
770	0.78	0.78	0.65	0.43	55.35	0.15	0.55
771	0.47	0.47	0.59	0.33	71.58	0.11	0.54
772	0.36	1.61	0.35	0.27	75.67	0.07	0.00
773	1.33	2.05	0.00	0.92	69.24	0.18	0.00
774	0.73	0.73	1.74	0.67	91.54	0.15	3.95
775	0.36	1.64	0.00	0.13	37.49	0.05	0.00
776	1.29	1.29	0.36	1.07	83.30	0.23	0.58
777	1.47	1.47	1.06	0.70	47.36	0.17	0.65
778	3.06	3.06	0.38	1.48	48.24	0.27	0.00
779	0.06	0.06	0.00	0.04	67.63	0.03	0.00
780	1.65	2.50	0.71	0.26	15.67	0.14	0.21
781	0.50	0.50	1.98	0.18	36.75	0.11	1.55
782	0.36	0.36	0.61	0.14	39.86	0.10	0.41
783	0.50	0.50	1.29	0.38	76.92	0.11	1.12
784	0.37	0.37	0.31	0.33	88.79	0.09	0.51
785	0.13	0.13	0.00	0.09	66.56	0.06	0.20
786	0.38	1.01	1.28	0.34	90.31	0.10	0.95
787	2.82	4.40	0.93	0.99	34.94	0.20	0.78
788	0.21	0.21	2.64	0.15	72.71	0.07	2.27
789	0.44	0.44	2.14	0.15	34.60	0.09	1.72
790	0.84	0.84	3.25	0.67	79.72	0.19	2.43
791	0.53	0.53	2.04	0.32	59.74	0.11	1.67
792	0.90	0.90	0.03	0.57	63.45	0.28	0.30
793	1.47	1.47	1.36	0.78	53.33	0.23	1.34
794	0.78	0.78	1.39	0.35	45.40	0.29	1.20
795	1.25	1.25	0.61	0.54	43.45	0.18	1.02
796	1.01	1.01	1.27	0.17	17.08	0.27	1.03
797	0.68	7.46	1.35	0.00	0.00	0.15	0.67
798	1.51	1.51	1.36	0.19	12.34	0.25	1.06
799	1.06	1.06	1.22	0.52	49.06	0.26	1.16
800	1.81	1.81	1.75	1.05	57.61	0.23	1.76
801	3.61	7.73	1.37	0.00	0.00	0.19	0.97
802	0.23	0.23	4.60	0.10	42.36	0.12	5.00
803	1.04	1.04	3.18	0.59	56.32	0.25	2.32
804	4.24	41.41	2.18	3.35	79.03	0.17	0.36
805	0.28	37.16	0.00	0.17	62.50	0.07	0.00
806	3.40	20.39	0.01	2.32	68.28	0.26	0.00
807	6.17	16.99	0.40	4.37	70.77	0.23	0.52
808	1.86	1.86	0.70	1.21	65.37	0.28	0.66
809	1.59	1.59	1.02	1.47	92.52	0.19	1.09
810	1.89	7.37	0.66	0.85	44.72	0.12	0.02
811	4.35	5.47	0.54	0.17	3.83	0.07	0.00
812	1.12	1.12	0.83	0.14	12.26	0.18	0.69
813	0.06	4.47	1.53	0.04	57.14	0.03	0.25
814	0.83	113.46	2.45	0.37	44.87	0.12	0.22
815	1.66	120.43	0.00	0.51	30.73	0.12	0.18
816	0.39	0.39	0.79	0.19	50.21	0.14	0.89
817	1.06	1.06	0.98	0.55	52.18	0.20	1.77
818	1.09	1928.71	2.28	0.02	1.80	0.09	0.03
819	0.08	4.14	6.99	0.00	0.00	0.05	4.30
820	1.76	4.53	0.71	0.17	9.83	0.10	0.38
821	2.41	1923.09	1.33	0.84	35.07	0.15	0.04
822	1.74	361.71	1.25	0.39	22.26	0.17	0.12
823	4.12	4.12	1.42	0.34	8.28	0.31	1.43

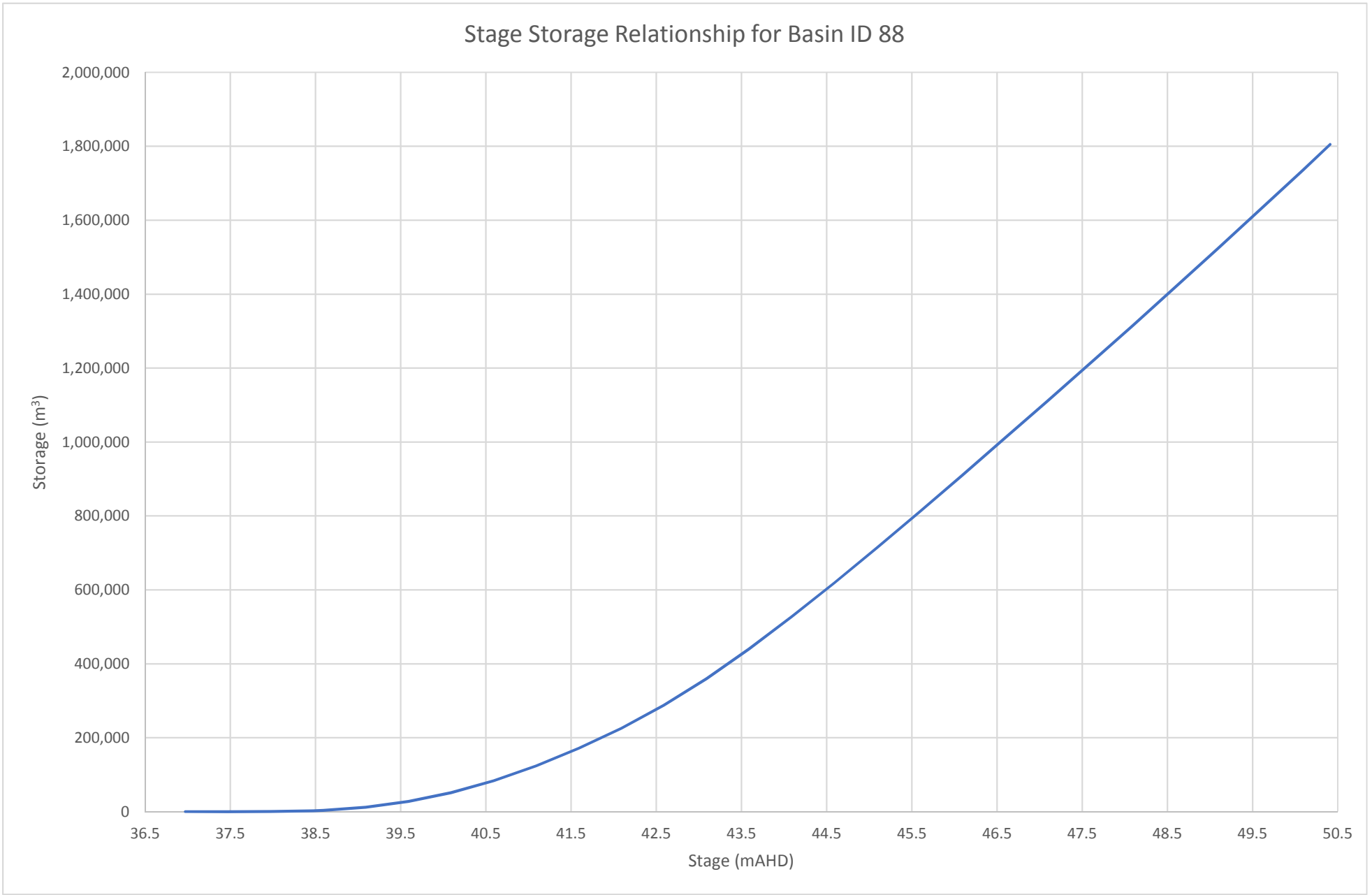
Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
824	2.52	2.52	0.81	0.81	32.33	0.27	0.96
825	0.22	0.22	0.74	0.12	56.91	0.15	0.76
826	1.24	1.24	0.76	1.10	88.52	0.18	0.60
827	1.91	1.91	1.06	1.36	71.21	0.24	0.81
828	0.28	2.20	1.34	0.22	76.40	0.02	0.16
829	3.00	4.91	1.21	2.38	79.48	0.19	0.89
830	2.66	2.66	0.00	1.53	57.70	0.44	0.00
831	1.14	1.14	1.36	0.67	58.63	0.13	1.69
832	0.52	1.66	1.70	0.32	62.66	0.08	0.12
833	0.87	0.87	2.03	0.53	61.51	0.13	1.76
834	1.21	1.21	1.61	0.70	57.97	0.18	1.24
835	0.28	0.28	2.40	0.22	79.86	0.07	2.23
836	1.03	7.40	0.20	0.54	51.92	0.22	0.00
837	2.19	2.19	3.64	1.26	57.48	0.34	4.09
838	0.73	0.73	1.72	0.45	61.46	0.18	1.54
839	1.87	4.37	1.48	1.04	55.58	0.24	1.00
840	0.82	0.82	2.27	0.51	62.09	0.15	2.01
841	0.93	2.61	1.79	0.64	68.96	0.11	0.89
842	0.36	0.36	1.02	0.25	70.68	0.13	0.91
843	1.93	5.79	1.80	1.11	57.88	0.08	0.82
844	1.25	7.04	0.84	0.71	56.53	0.09	0.91
845	3.39	12.61	1.67	1.96	57.89	0.26	1.48
846	1.44	1.44	1.78	0.81	56.20	0.22	1.78
847	3.87	3.87	1.13	1.79	46.19	0.46	1.90
848	1.56	1.56	2.28	0.89	56.80	0.31	2.25
849	1.02	2.03	4.25	0.56	55.35	0.09	3.55
850	1.01	1.01	2.72	0.56	55.48	0.16	1.75
851	4.15	6.89	2.81	2.20	53.16	0.22	2.84
852	3.19	3.19	1.86	1.90	59.63	0.30	1.87
853	1.23	4.42	1.29	0.72	58.77	0.07	0.00
854	0.23	3.82	1.90	0.12	50.09	0.07	0.48
855	0.71	0.81	0.33	0.44	61.71	0.13	0.05
856	0.88	0.88	1.22	0.61	68.98	0.20	0.88
857	0.10	0.10	0.00	0.06	66.53	0.05	0.00
858	0.36	0.36	1.65	0.24	66.22	0.14	1.59
859	0.92	0.92	1.67	0.54	59.12	0.17	1.99
860	1.65	1.65	2.92	0.95	57.47	0.17	2.69
861	1.09	1.09	5.25	0.62	57.06	0.23	4.76
862	1.79	1.79	3.84	1.09	60.75	0.30	3.10
863	1.91	1.91	2.24	1.12	58.78	0.34	2.72
864	1.49	8.76	1.78	0.81	54.29	0.11	0.00
865	1.73	10.50	2.31	0.97	56.05	0.09	0.00
866	0.97	11.46	1.68	0.67	69.52	0.04	0.00
867	2.15	2.15	1.15	1.21	56.11	0.33	0.92
868	1.66	1.66	2.77	0.88	52.91	0.18	2.64
869	0.84	0.84	3.28	0.44	53.08	0.36	3.07
870	2.03	8.15	1.65	1.21	59.51	0.16	1.35
871	0.24	0.24	1.12	0.09	35.76	0.17	1.12
872	3.17	6.11	2.54	1.88	59.35	0.39	2.10
873	2.28	2.28	2.49	1.26	55.27	0.20	1.75
874	1.38	27.62	2.54	0.80	58.49	0.10	1.45
875	0.70	28.33	2.40	0.40	57.52	0.05	1.13
876	0.98	29.31	3.73	0.38	38.48	0.07	2.95
877	1.70	3.90	3.08	1.08	63.75	0.18	2.52
878	1.02	1.02	3.76	0.62	60.76	0.24	3.33

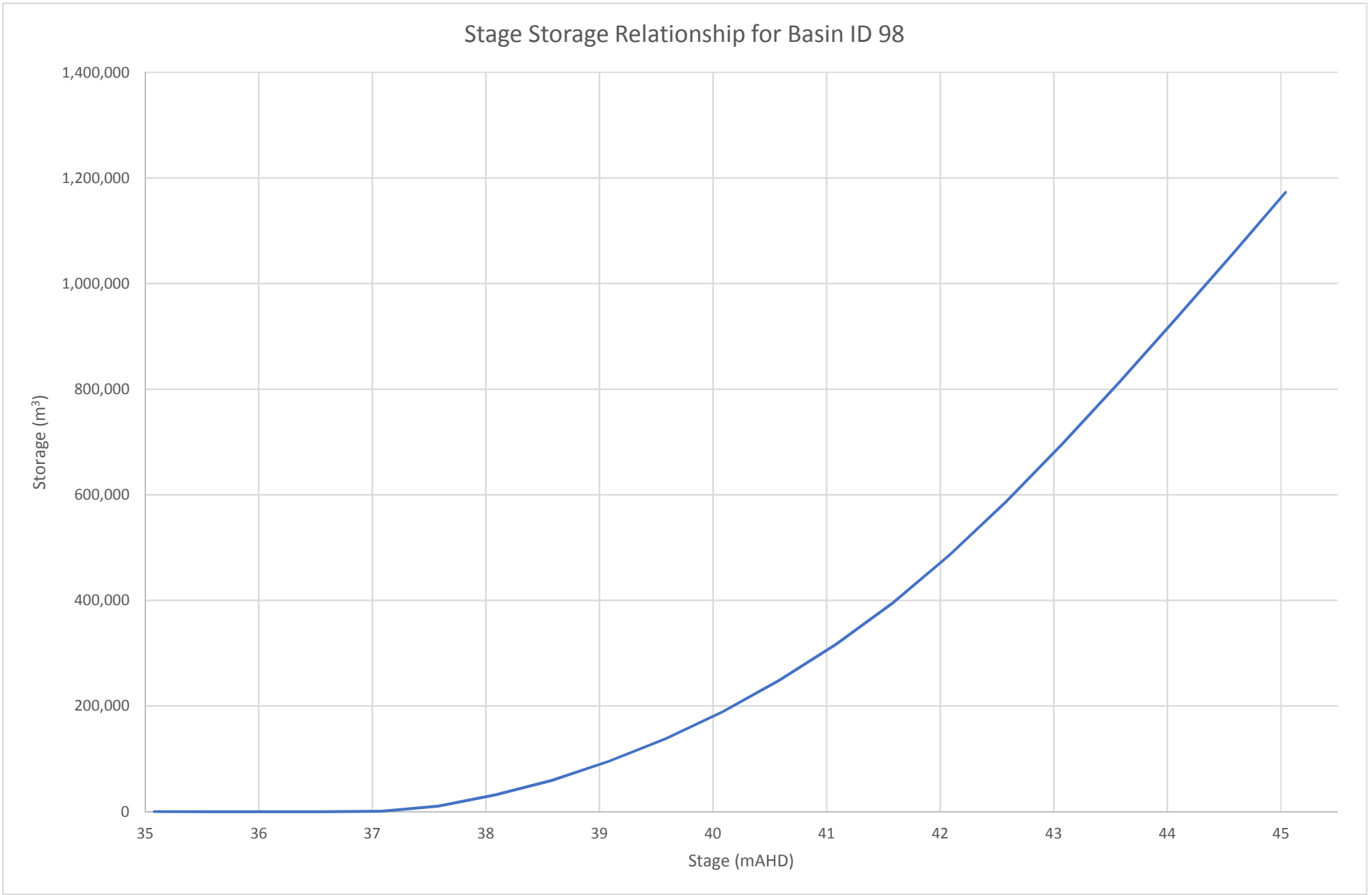
Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
879	1.40	42.63	2.09	0.57	40.95	0.07	0.12
880	0.95	1.54	1.03	0.58	61.09	0.11	0.92
881	0.55	0.55	3.79	0.22	39.50	0.15	2.76
882	0.45	9.64	1.30	0.39	86.24	0.01	1.71
883	0.22	9.19	5.11	0.11	48.83	0.04	3.65
884	1.16	56.26	2.71	0.60	51.81	0.03	0.00
885	0.69	39.72	4.47	0.38	54.21	0.05	1.52
886	1.79	1.79	2.08	1.09	61.14	0.23	1.37
887	1.33	1.33	3.59	0.81	61.30	0.23	2.80
888	1.81	1.81	3.13	1.03	57.04	0.26	2.94
889	1.05	1.05	3.48	0.10	9.16	0.18	2.47
890	1.62	1.62	2.63	0.90	55.54	0.20	2.17
891	2.37	2.37	5.46	1.45	60.93	0.25	5.15
892	3.36	10.05	2.17	2.09	62.29	0.19	1.33
893	1.65	2.38	3.04	0.88	53.32	0.17	2.08
894	1.36	2.56	3.11	0.77	56.66	0.10	4.35
895	1.70	1.70	3.41	1.04	61.46	0.26	4.04
896	2.81	14.36	2.61	1.83	65.17	0.17	2.48
897	2.60	2.60	4.47	1.38	52.98	0.29	3.52
898	2.00	2.00	3.32	1.12	55.86	0.20	3.69
899	0.34	0.34	3.38	0.19	56.72	0.16	3.10
900	1.62	1.62	3.10	0.98	60.62	0.25	3.52
901	1.73	1.73	2.03	1.02	58.79	0.26	1.23
902	0.67	2.19	2.90	0.44	65.30	0.11	2.51
903	1.50	1.50	4.85	0.82	54.68	0.23	4.63
904	1.56	39.03	1.93	0.90	57.73	0.11	0.00
905	1.05	1.05	2.66	0.66	62.31	0.18	1.85
906	1.51	2.57	3.32	0.79	52.20	0.20	2.32
907	0.55	16.19	3.84	0.23	42.30	0.10	1.66
908	1.36	9.40	1.52	0.00	0.00	0.11	0.66
909	3.18	12.14	2.07	0.26	8.31	0.19	1.22
910	1.60	2.34	1.56	0.71	44.57	0.36	1.21
911	0.82	0.82	2.72	0.48	58.23	0.15	3.15
912	2.39	23.97	2.59	1.47	61.70	0.10	1.97
913	1.07	1.07	2.95	0.50	46.48	0.21	1.89
914	0.59	0.59	2.00	0.31	52.29	0.14	1.84
915	1.58	1.58	2.86	0.89	56.19	0.30	2.42
916	2.16	3.74	3.29	1.09	50.55	0.09	3.98
917	2.27	9.35	0.82	1.91	84.27	0.09	0.89
918	5.33	5.33	0.49	4.41	82.69	0.41	0.46
919	1.21	1.21	0.51	0.93	76.91	0.29	0.43
920	1.14	2.35	0.59	0.88	77.15	0.10	0.34
921	1.39	5.18	2.53	0.85	60.94	0.10	2.34
922	1.32	7.42	2.71	0.73	55.22	0.11	0.38
923	2.79	2.79	5.71	1.45	51.93	0.31	5.10
924	2.36	2.36	1.68	1.38	58.68	0.32	2.07
925	2.66	12.62	2.03	1.35	50.74	0.17	1.23
926	0.70	1.55	2.06	0.45	63.60	0.08	0.16
927	2.46	2.46	0.71	1.57	63.74	0.29	0.50
928	0.76	0.76	1.25	0.60	78.67	0.19	1.11
929	1.78	1.78	1.70	1.03	57.84	0.31	1.65
930	0.70	0.70	2.46	0.39	55.85	0.21	2.65
931	1.13	5.64	2.71	0.52	45.92	0.07	1.13
932	2.43	2.43	2.71	1.47	60.34	0.32	2.71
933	2.45	2.45	0.55	1.33	54.25	0.42	1.10

Subcatchment ID	Subcatchment Area (ha)	Total Upstream Area (ha)	Subcatchment Slope (%)	Impervious Area (ha)	Impervious Prop (%)	Main Stream Length (km)	Main Stream Slope (%)
934	2.21	2.21	1.97	1.27	57.25	0.38	2.29
935	3.34	5.56	2.55	2.08	62.19	0.09	1.33

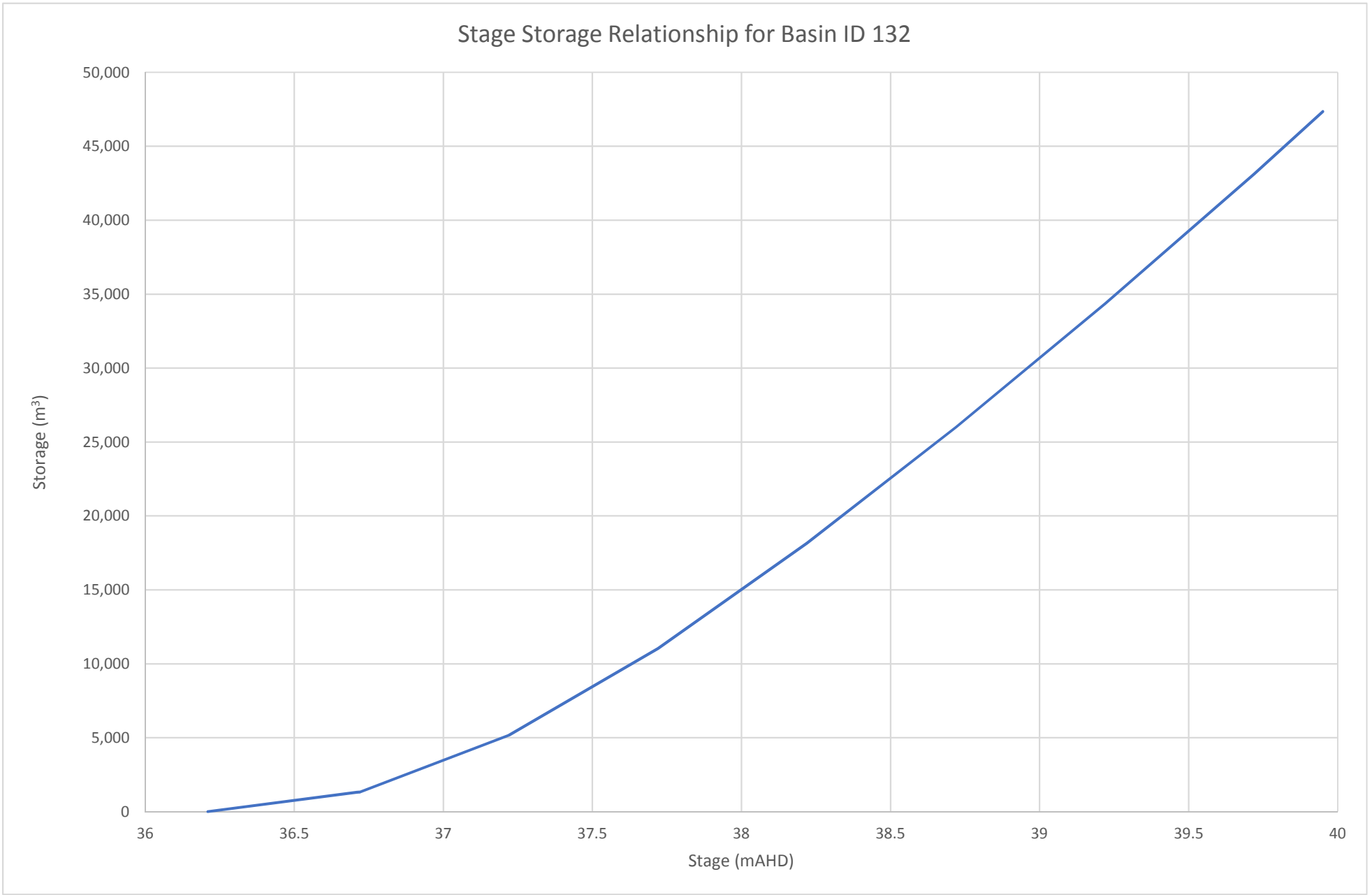

Stage Storage Relationship for Basin ID 34
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
45
46
47
48
49
50
51
52
Stage (mAHD)

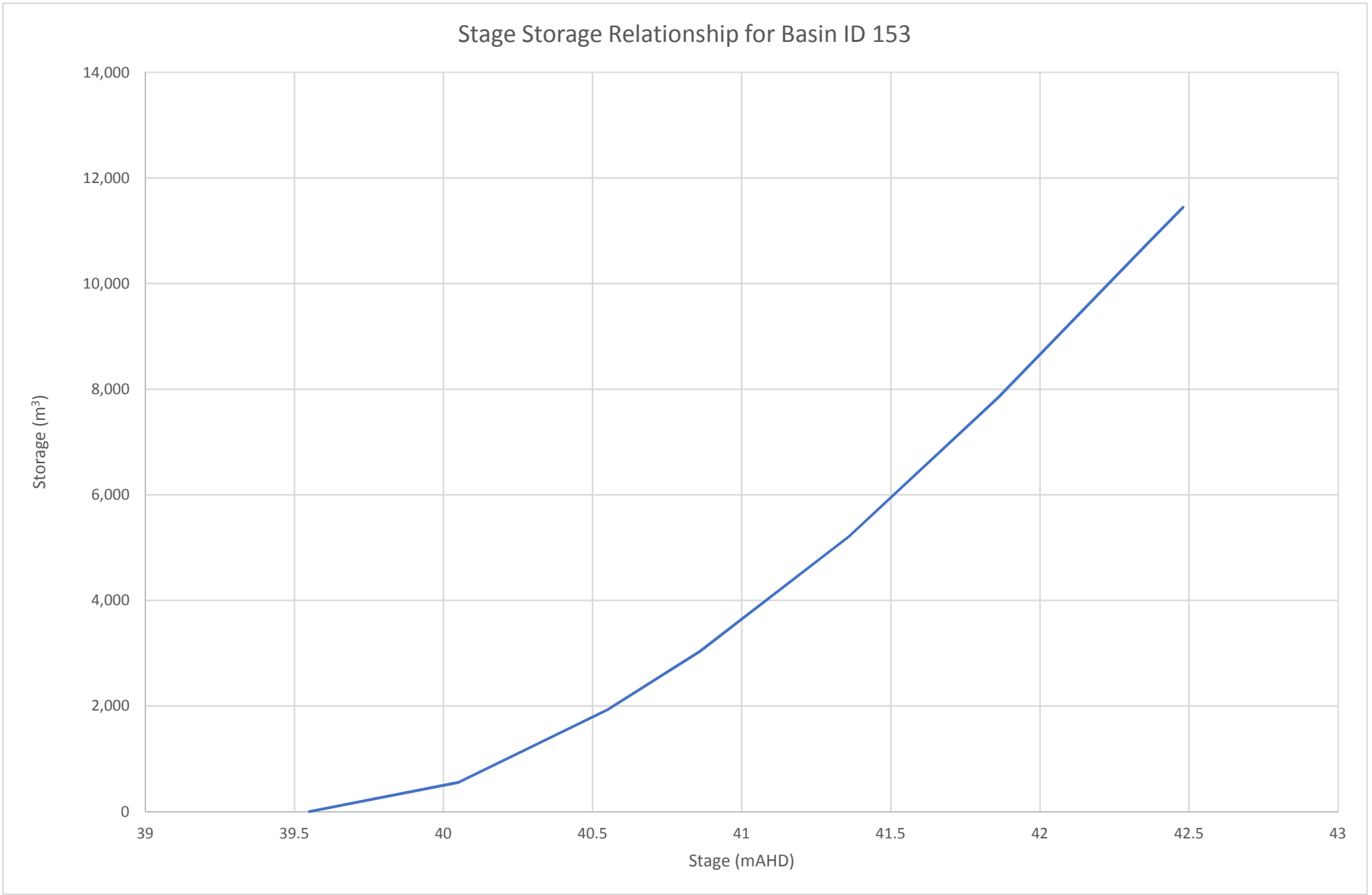

Stage Storage Relationship for Basin ID 58
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
39
41
43
45
47
49
51
53
55
Stage (mAHD)

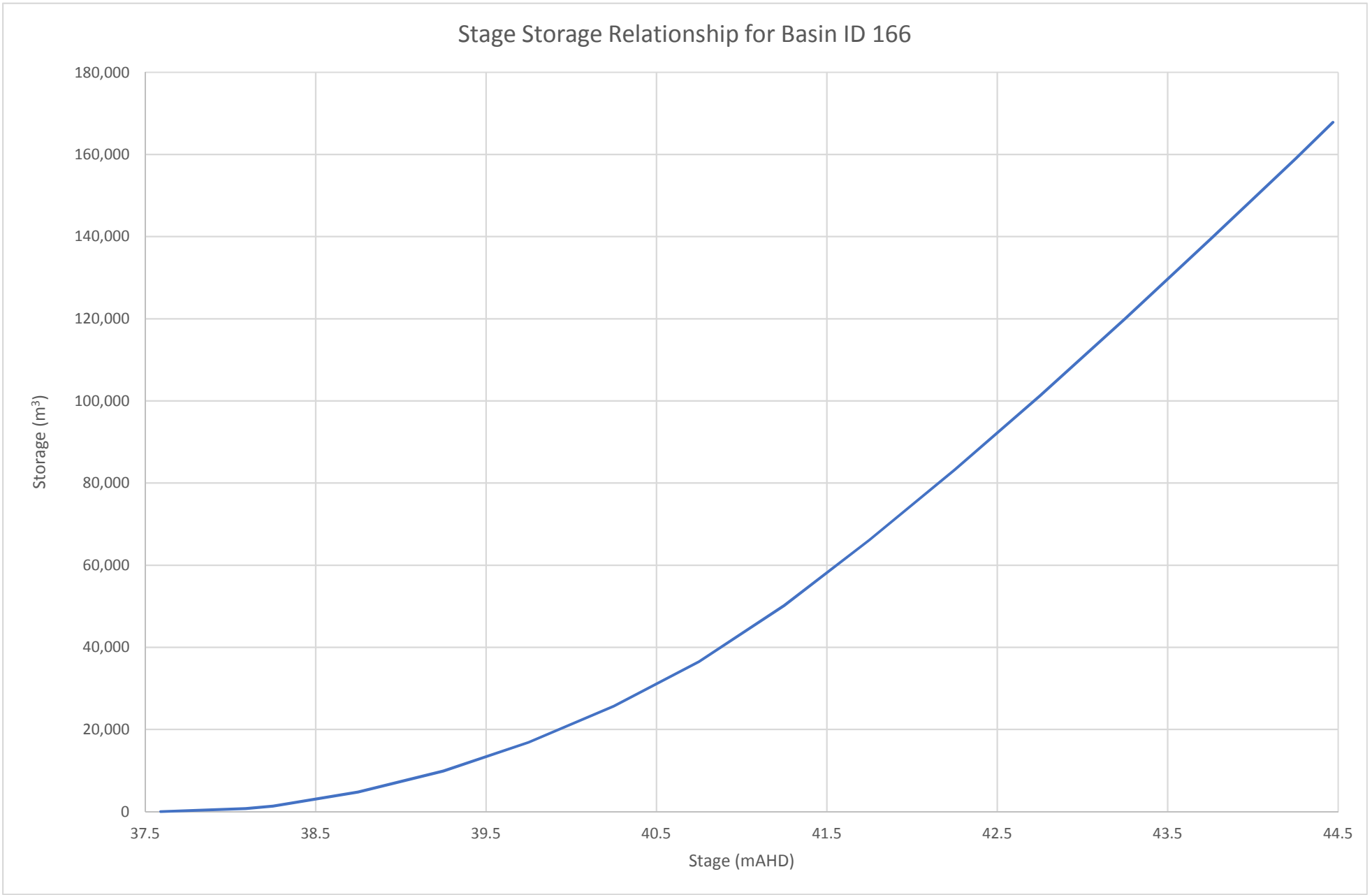

Stage Storage Relationship for Basin ID 88
Storage (m3)
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
36.5
37.5
38.5
39.5
40.5
41.5
42.5
43.5
44.5
45.5
46.5
47.5
48.5
49.5
50.5
Stage (mAHD)

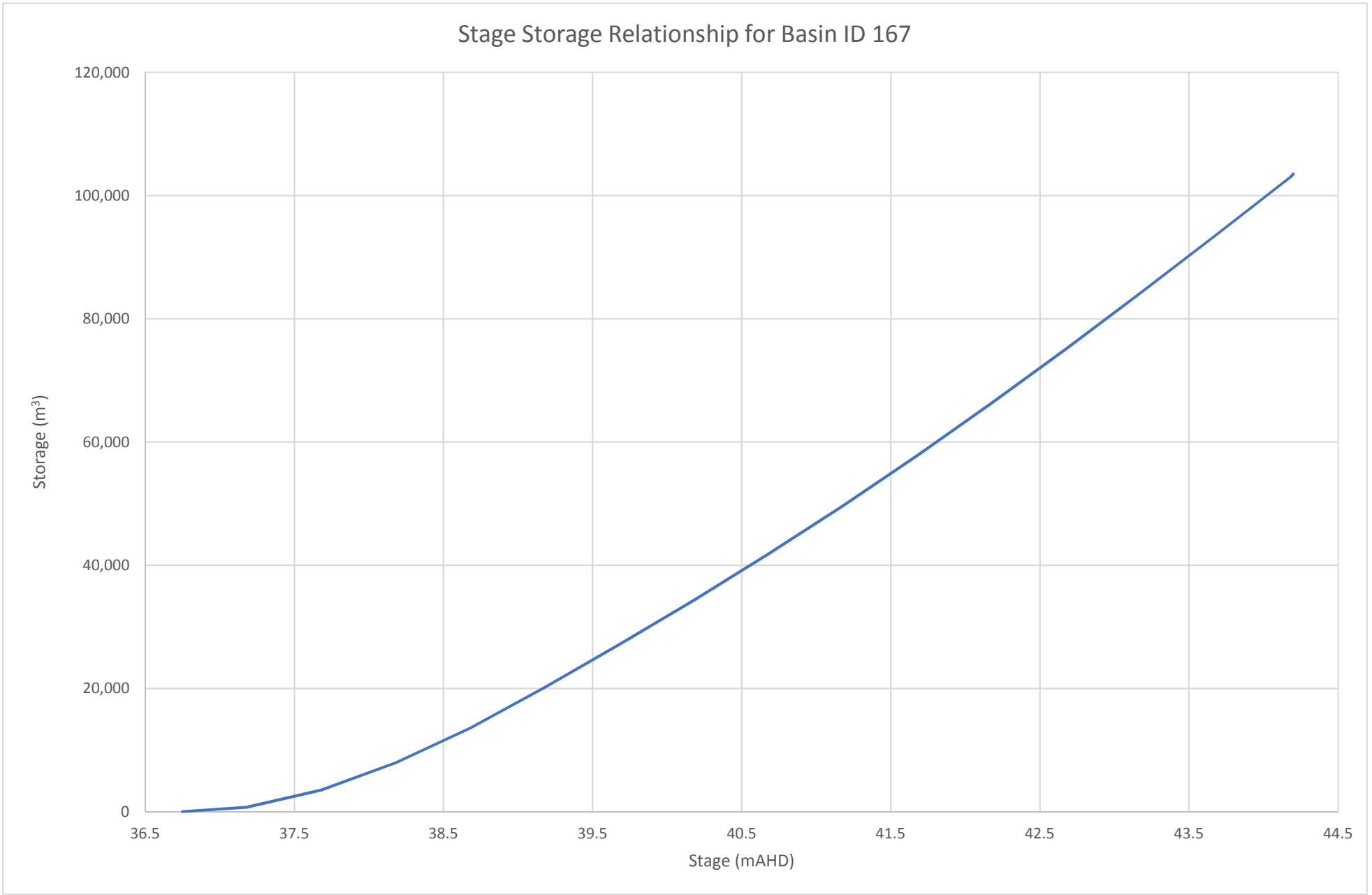

Stage Storage Relationship for Basin ID 98
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Storage (m3)
35
36
37
38
39
40
41
42
43
44
45
Stage (mAHD)

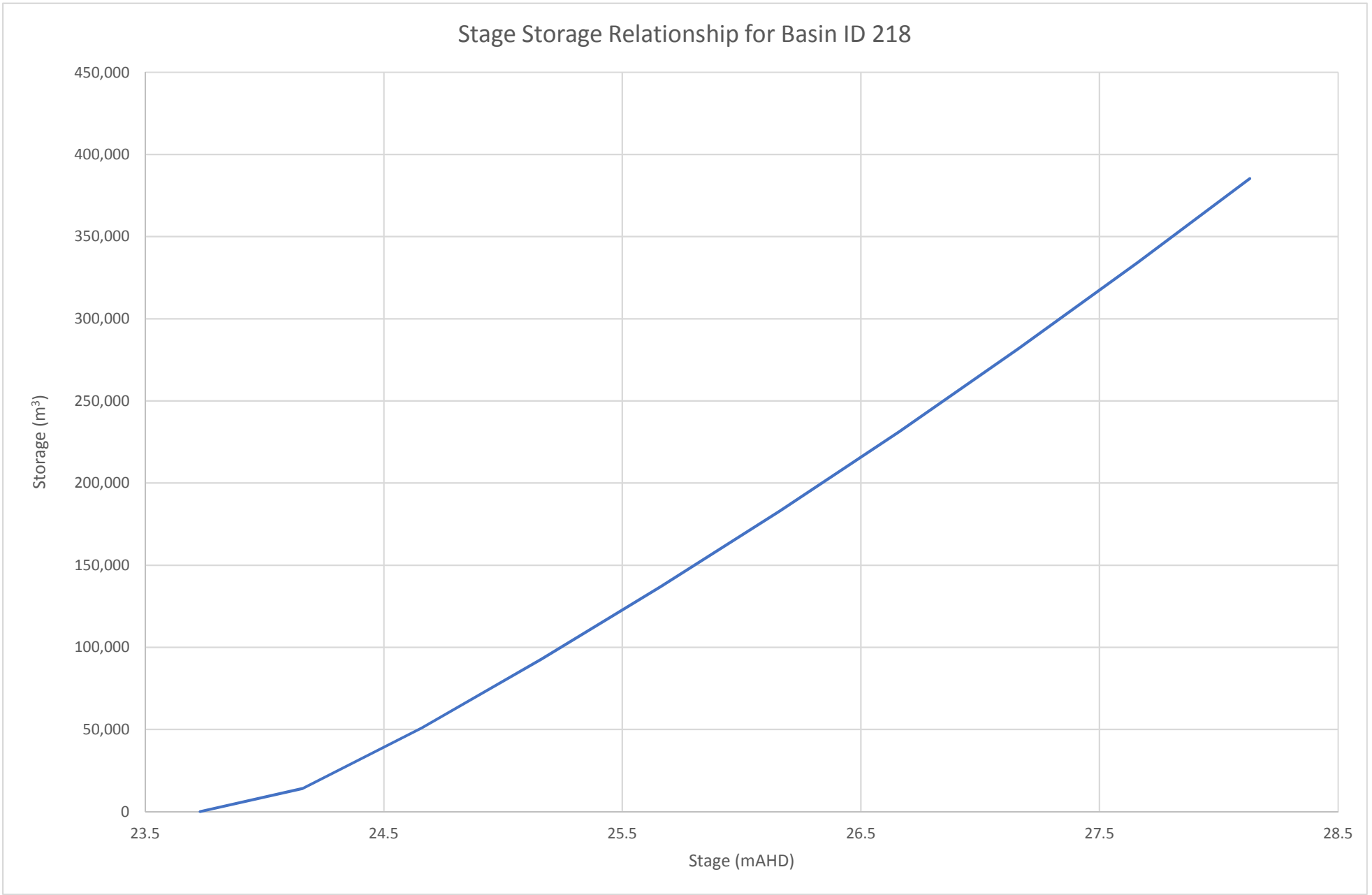

Stage Storage Relationship for Basin ID 121
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
38
40
42
44
46
48
Stage (mAHD)

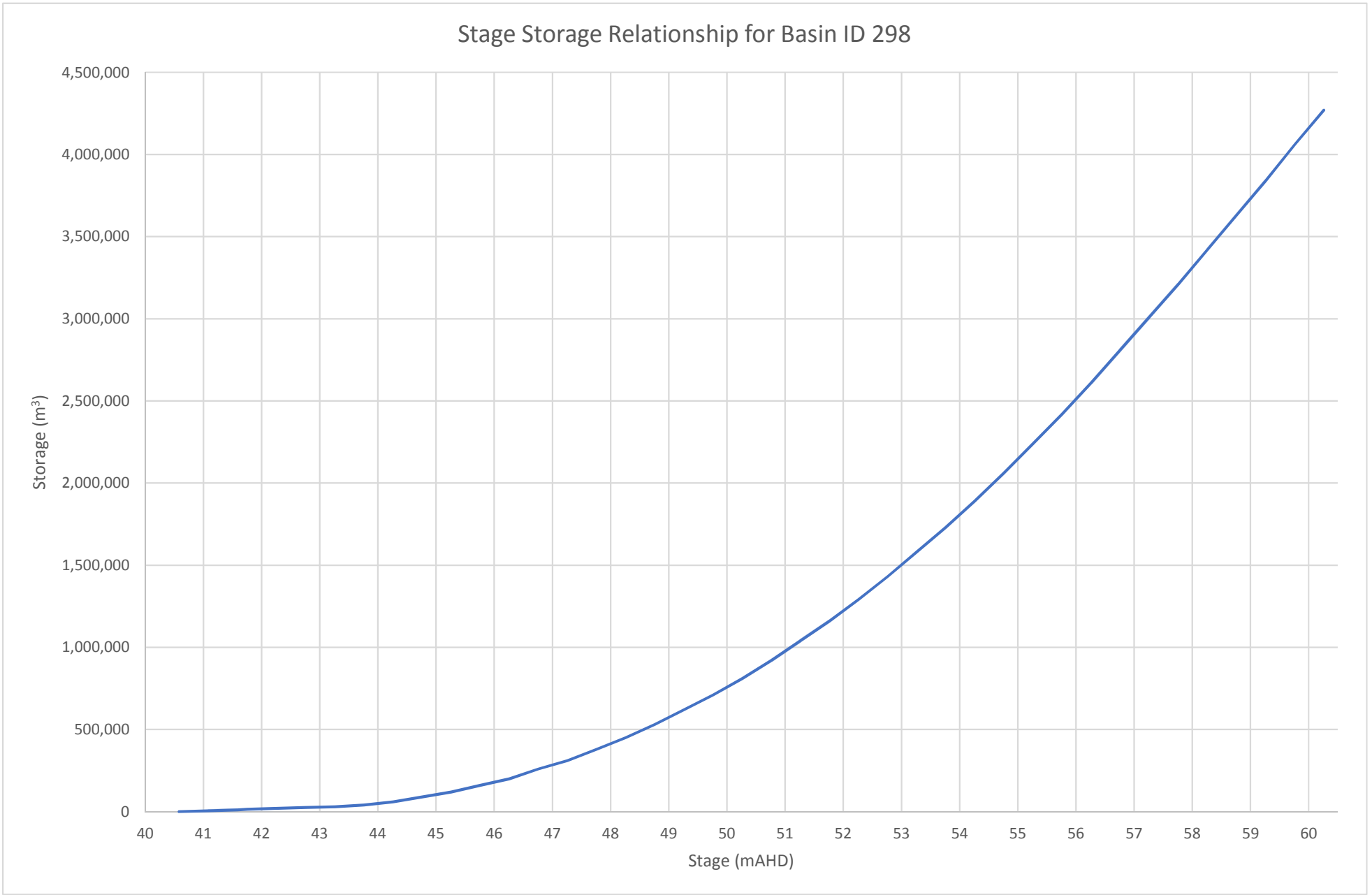

Stage Storage Relationship for Basin ID 132
Storage (m3)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
36
36.5
37
37.5
38
38.5
39
39.5
40
Stage (mAHD)

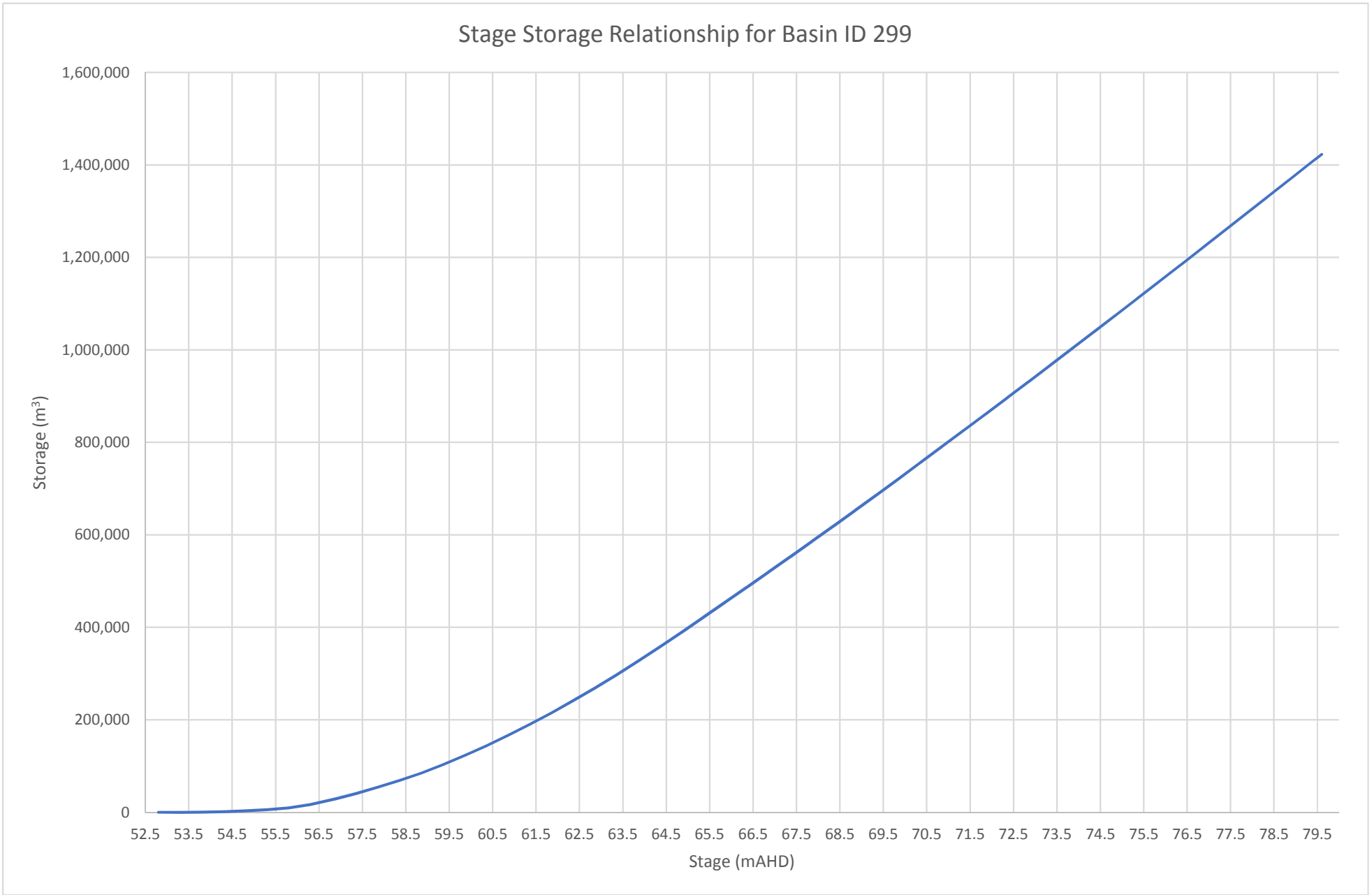

Stage Storage Relationship for Basin ID 153
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Storage (m3)
39
39.5
40
40.5
41
41.5
42
42.5
43
Stage (mAHD)

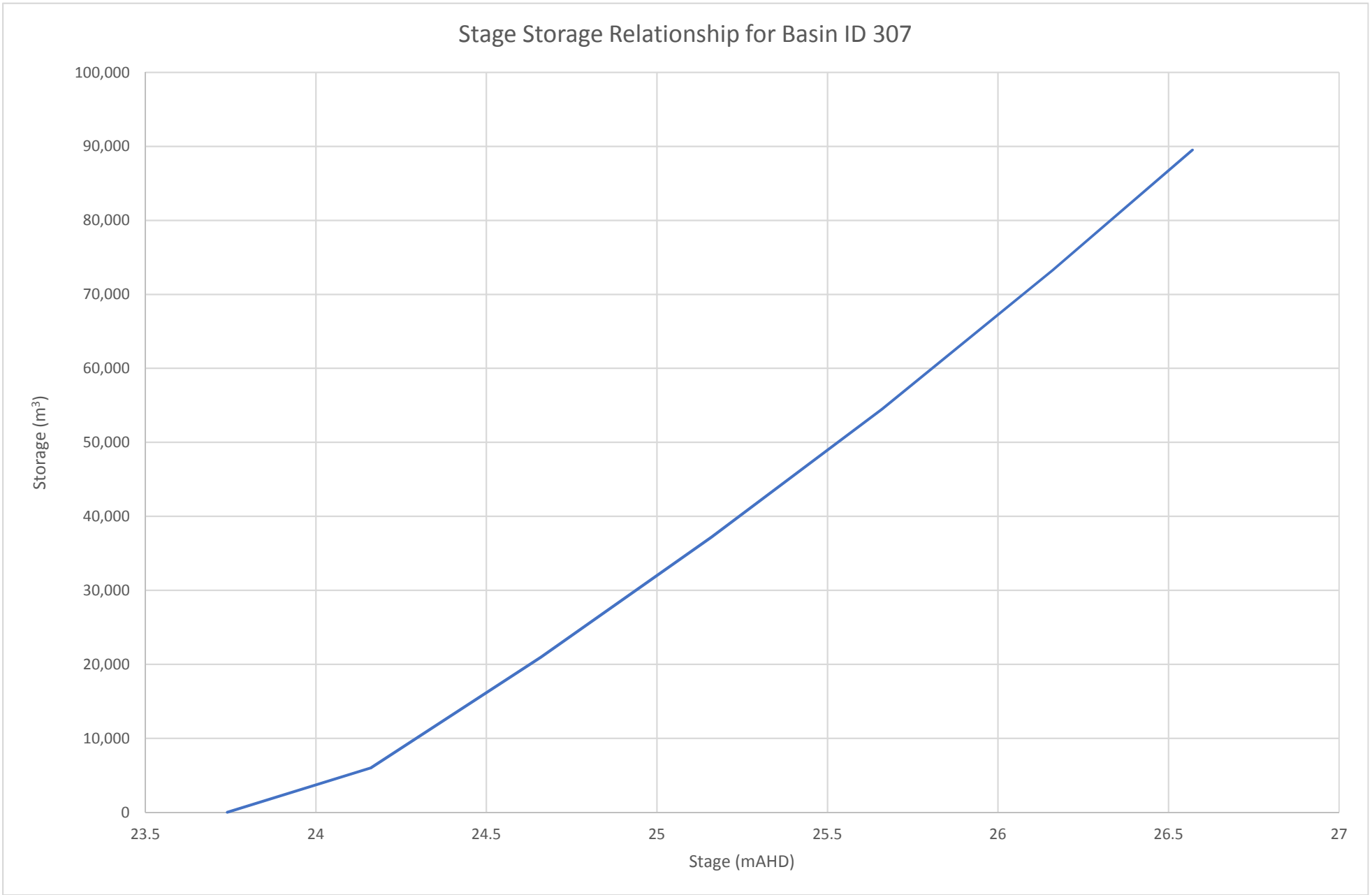

Stage Storage Relationship for Basin ID 166
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Storage (m3)
37.5
38.5
39.5
40.5
41.5
42.5
43.5
44.5
Stage (mAHD)

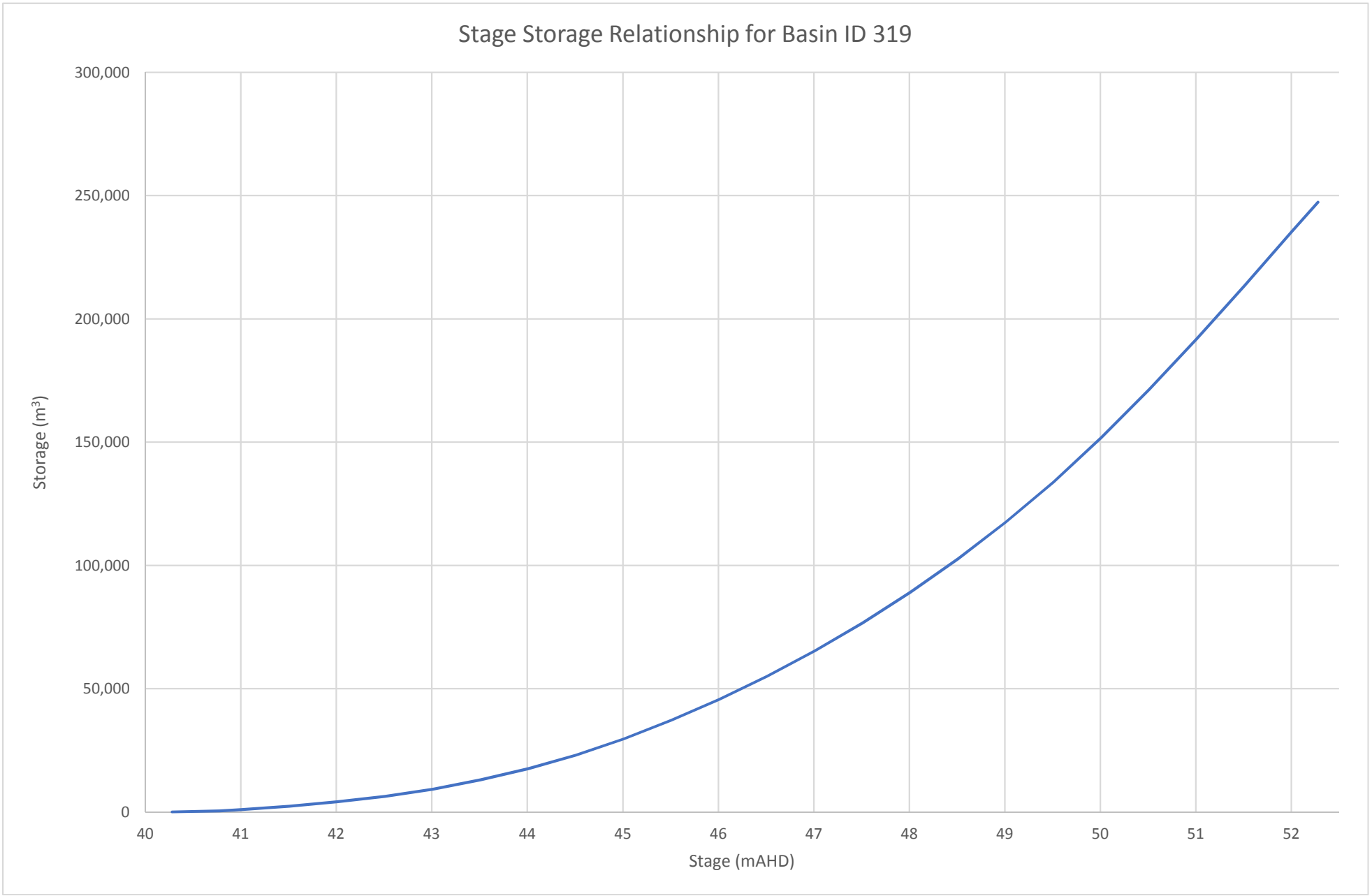

Stage Storage Relationship for Basin ID 167
120,000
100,000
80,000
60,000
40,000
20,000
0
Storage (m3)
36.5
37.5
38.5
39.5
40.5
41.5
42.5
43.5
44.5
Stage (mAHD)

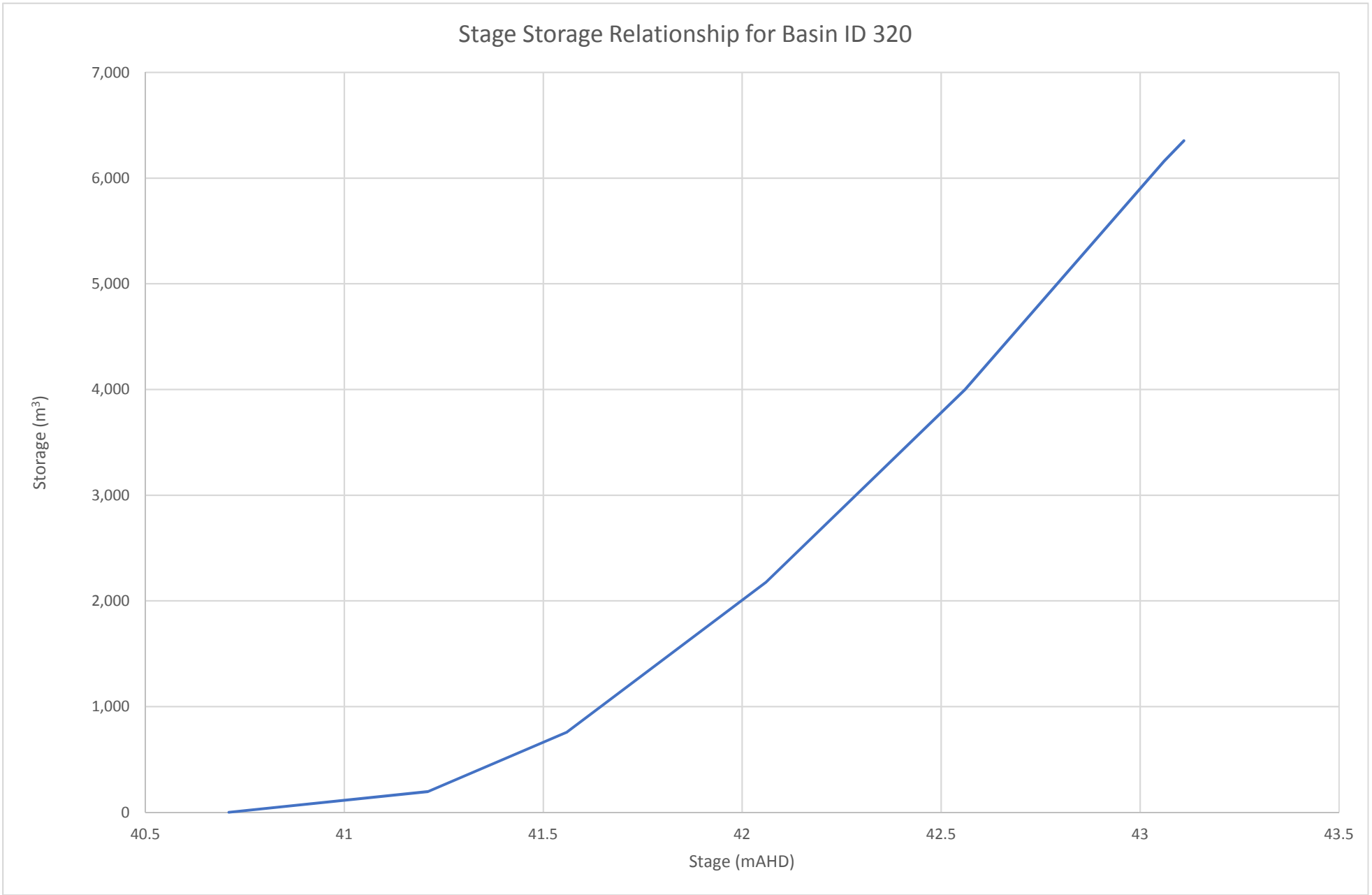

Stage Storage Relationship for Basin ID 218
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
23.5
24.5
25.5
26.5
27.5
28.5
Stage (mAHD)

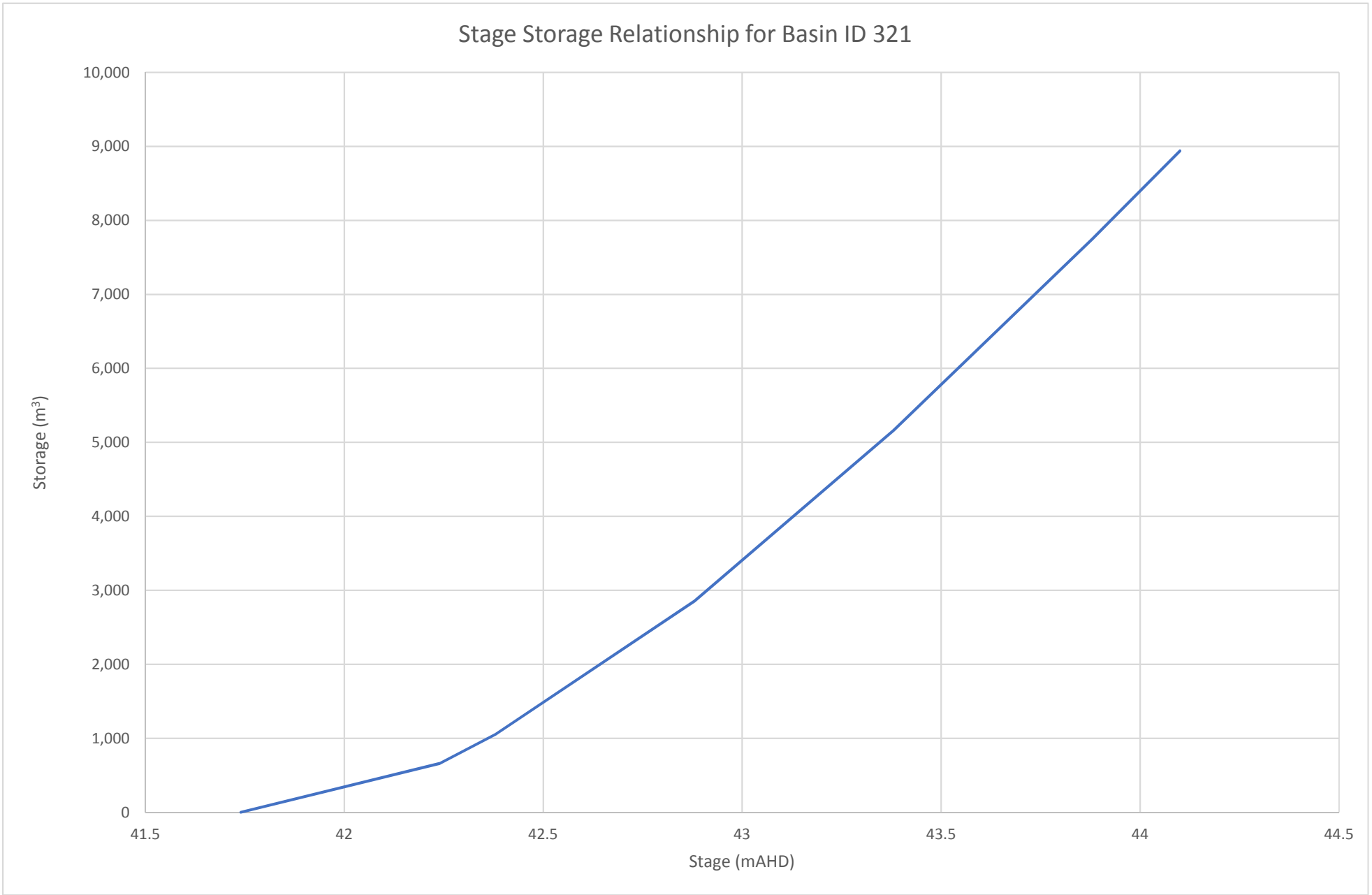

Stage Storage Relationship for Basin ID 298
Storage (m3)
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
Stage (mAHD)

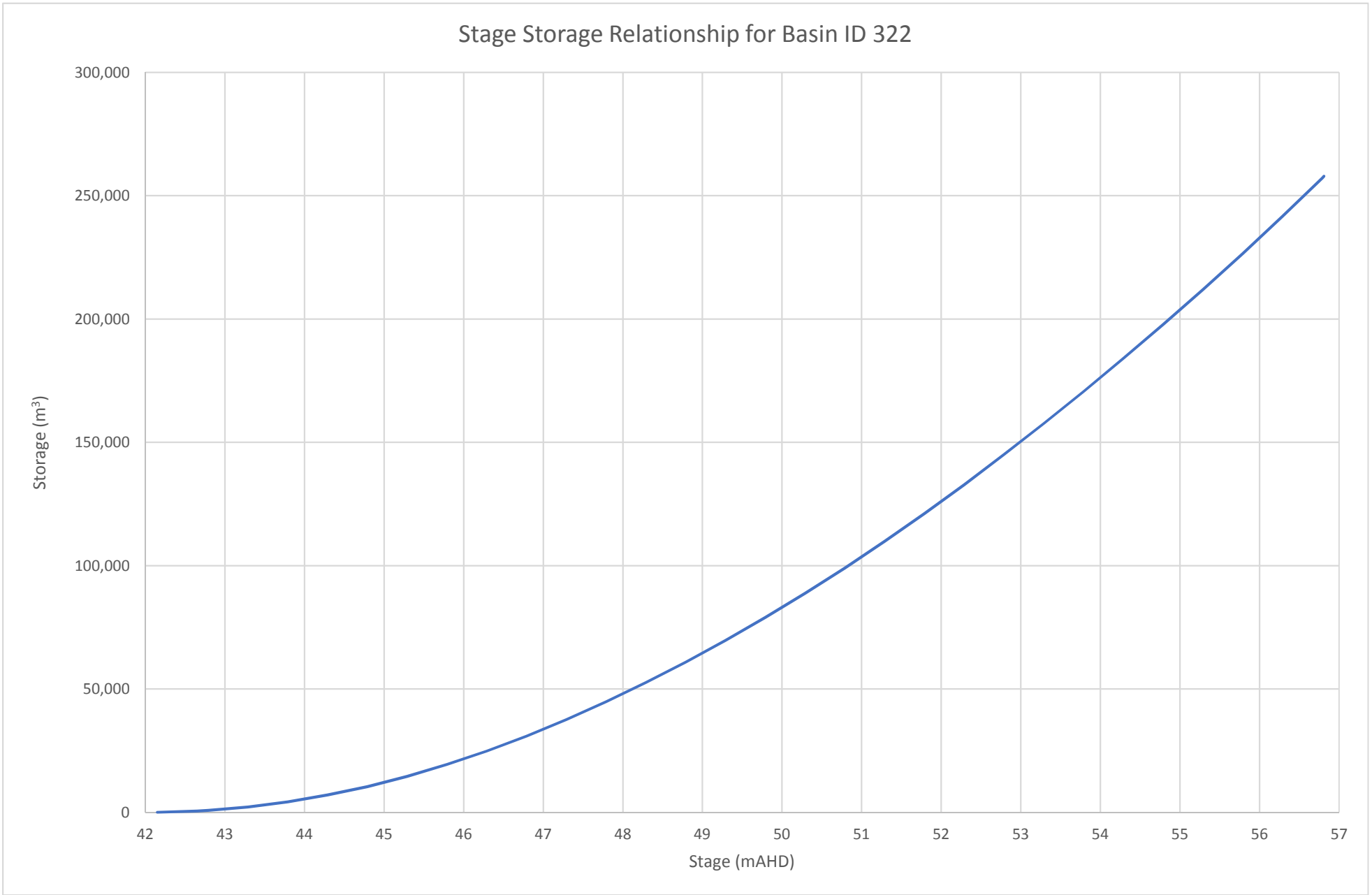

Stage Storage Relationship for Basin ID 299
Storage (m3)
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
52.5 53.5 54.5 55.5 56.5 57.5 58.5 59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5 69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5 77.5 78.5 79.5
Stage (mAHD)

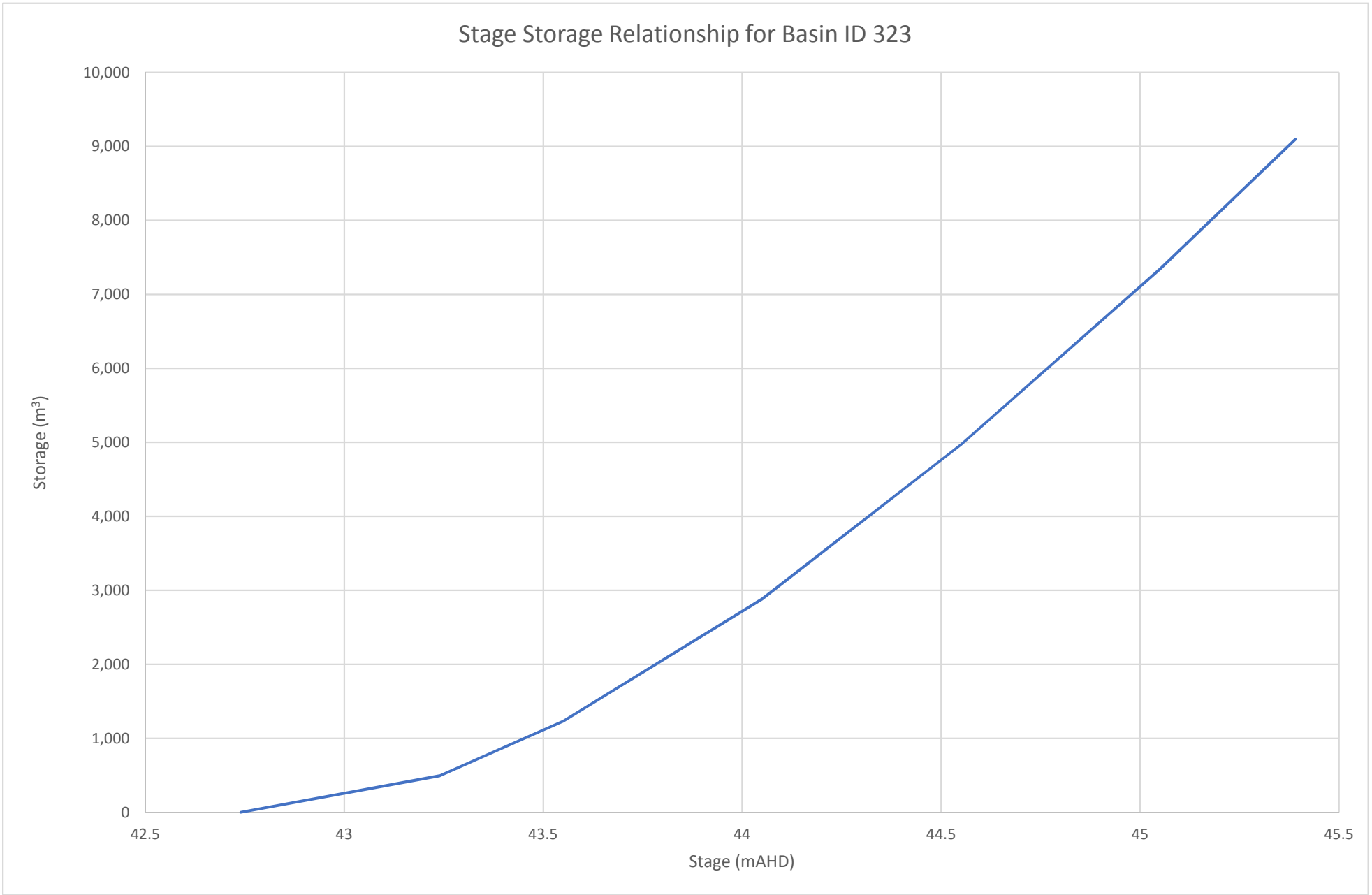

Stage Storage Relationship for Basin ID 307
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Storage (m3)
23.5
24
24.5
25
25.5
26
26.5
27
Stage (mAHD)

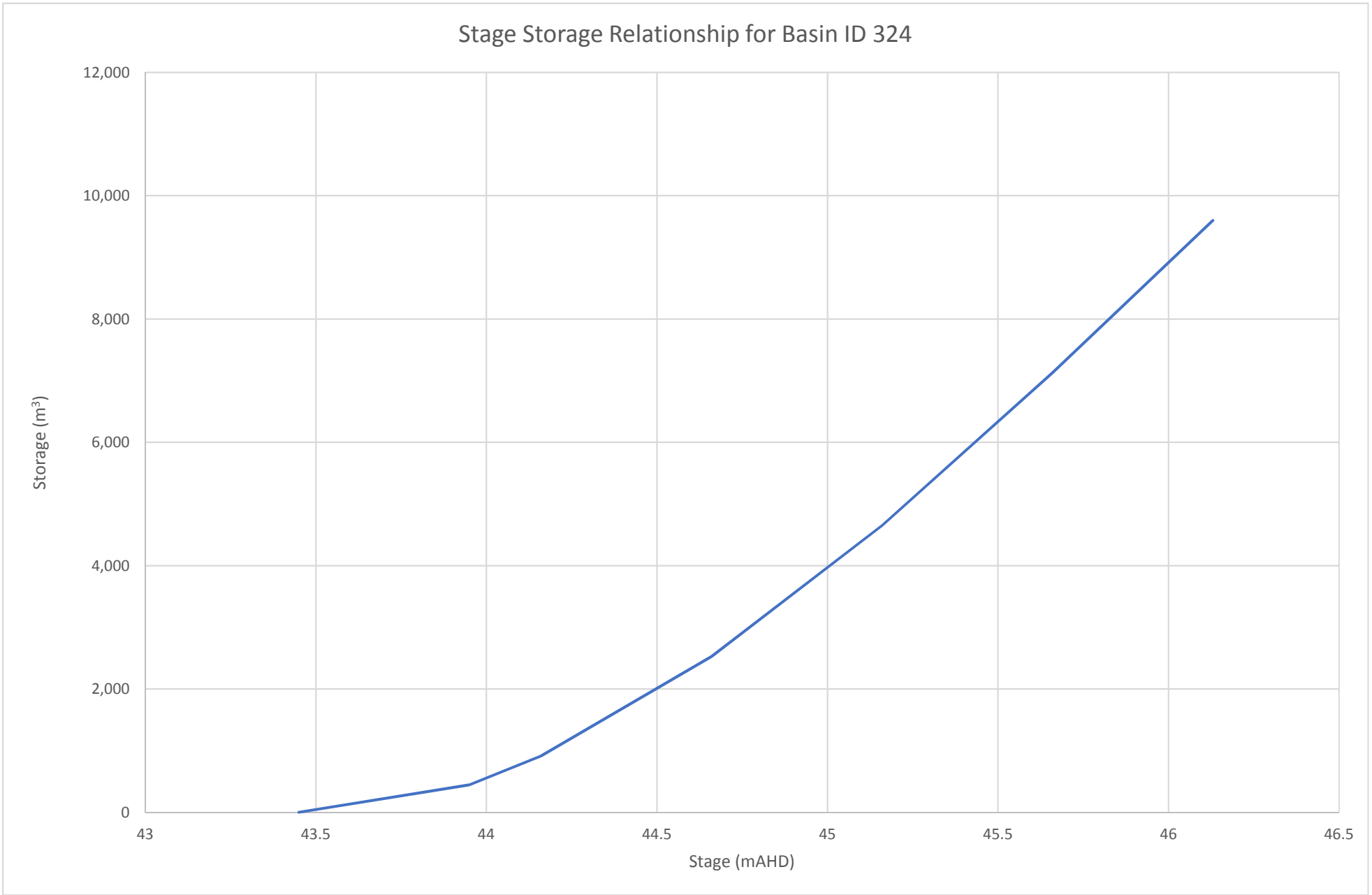

Stage Storage Relationship for Basin ID 319
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
40
41
42
43
44
45
46
47
48
49
50
51
52
Stage (mAHD)

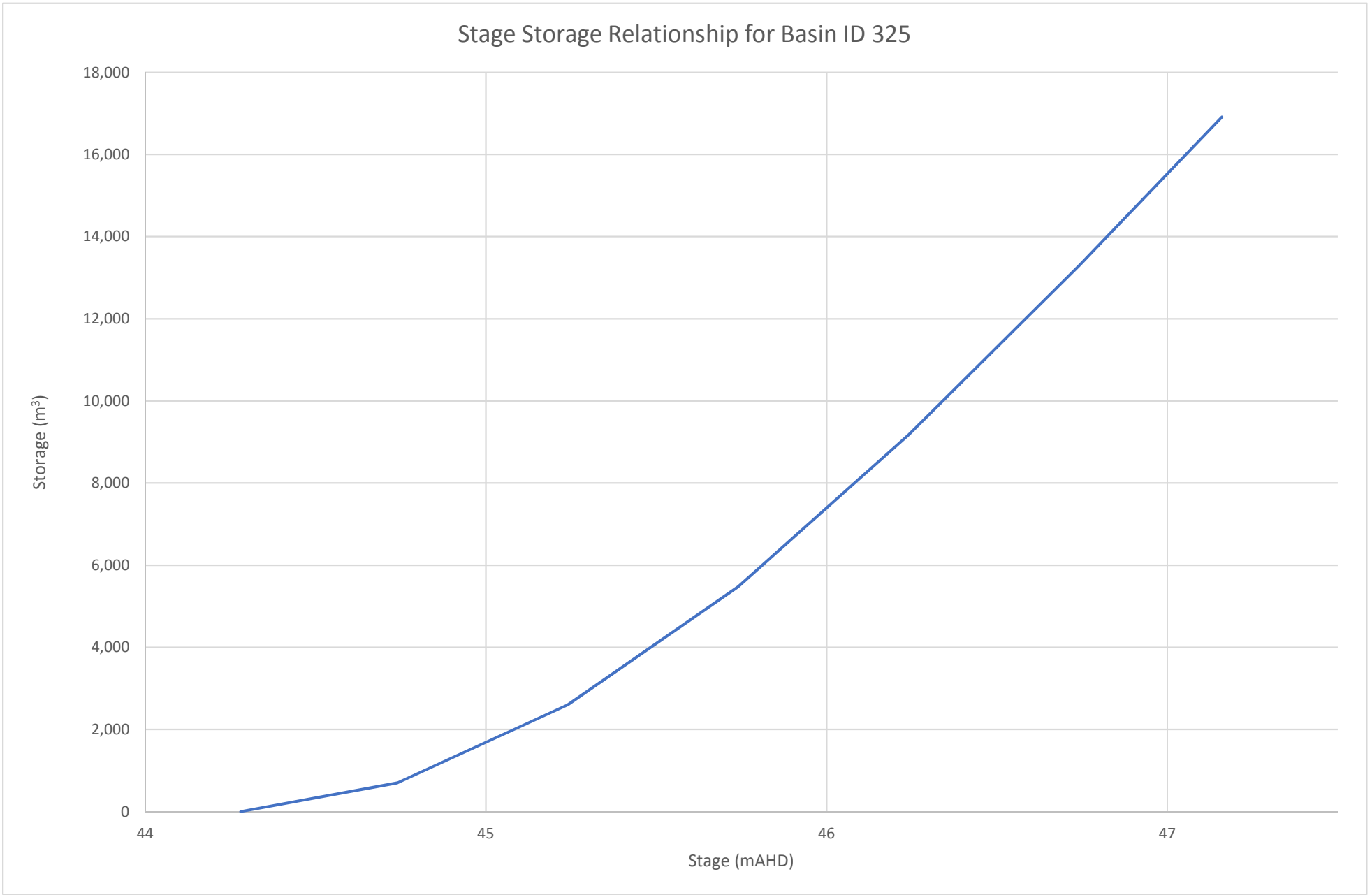

Stage Storage Relationship for Basin ID 320
Storage (m3)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
40.5
41
41.5
42
42.5
43
43.5
Stage (mAHD)

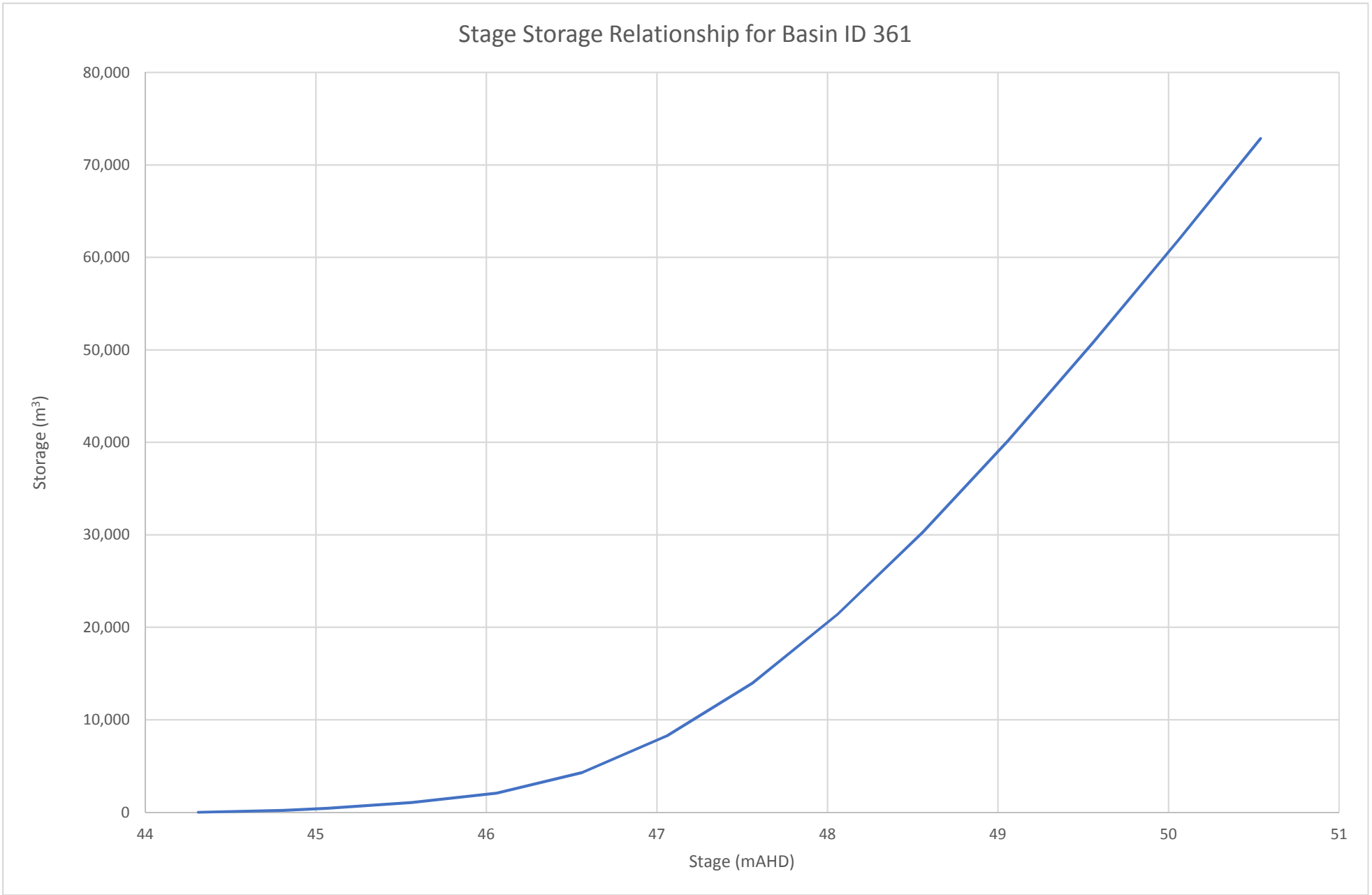

Stage Storage Relationship for Basin ID 321
Storage (m3)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
41.5
42
42.5
43
43.5
44
44.5
Stage (mAHD)

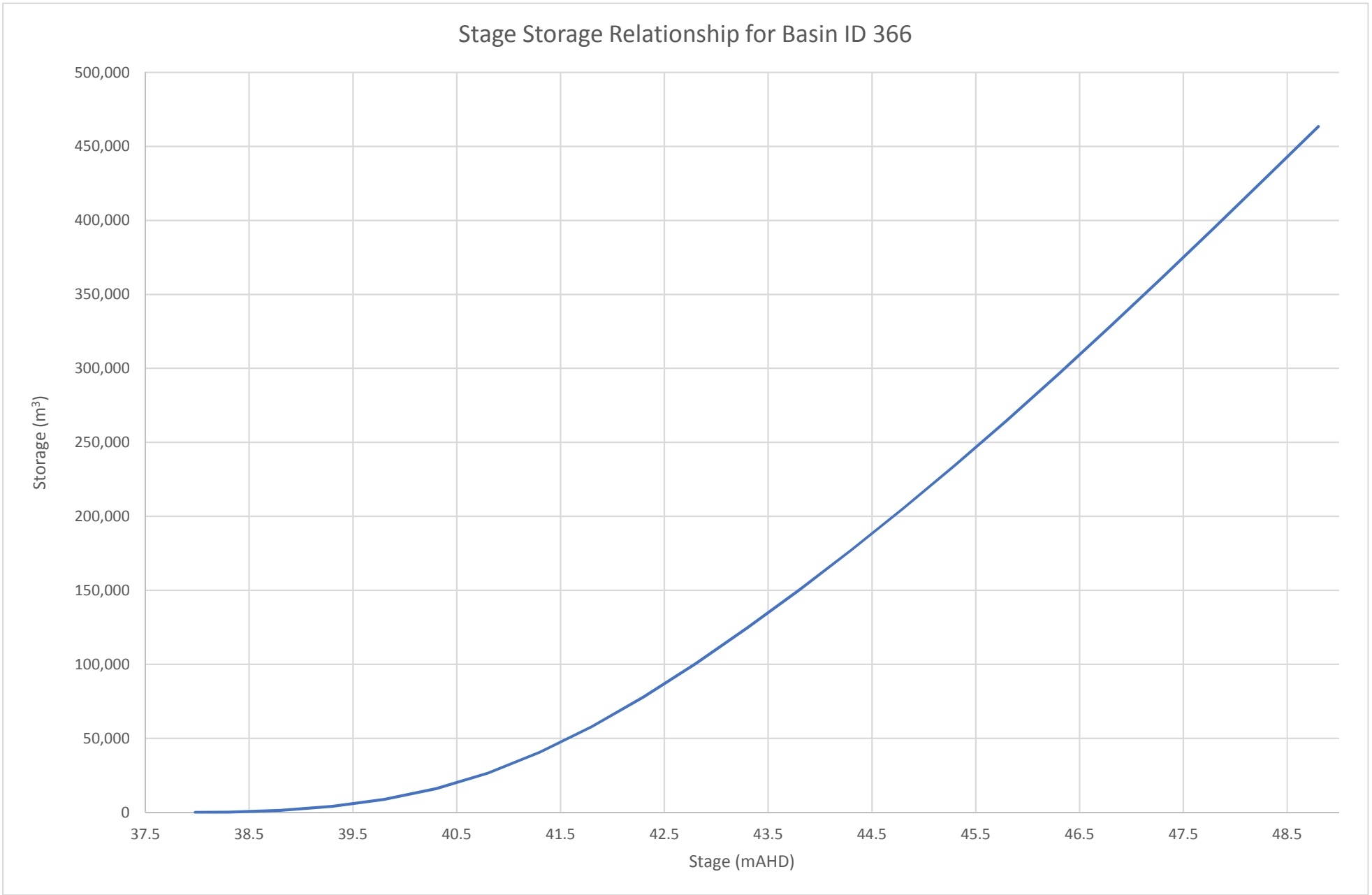

Stage Storage Relationship for Basin ID 322
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
Stage (mAHD)

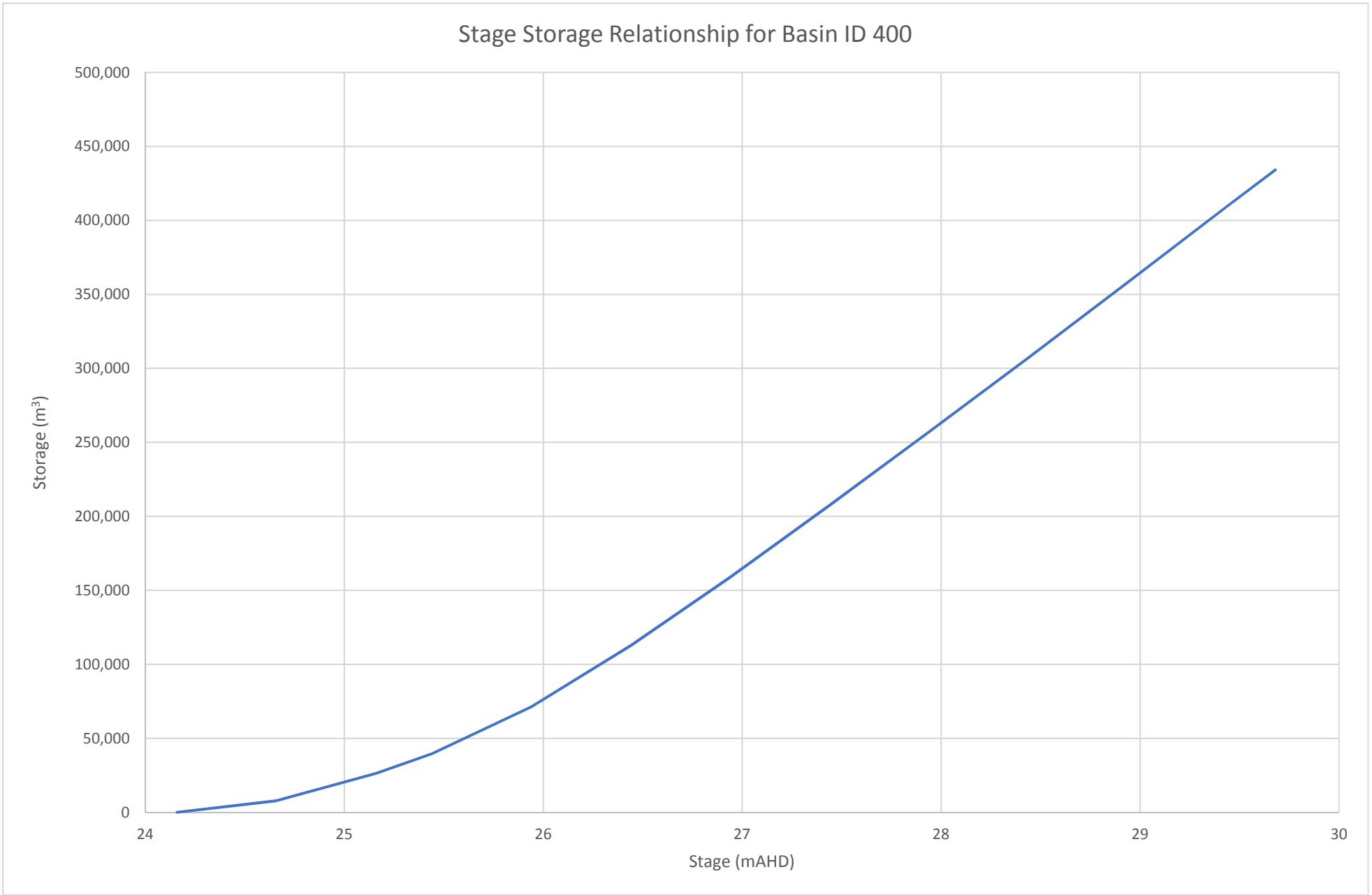

Stage Storage Relationship for Basin ID 323
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Storage (m3)
42.5
43
43.5
44
44.5
45
45.5
Stage (mAHD)

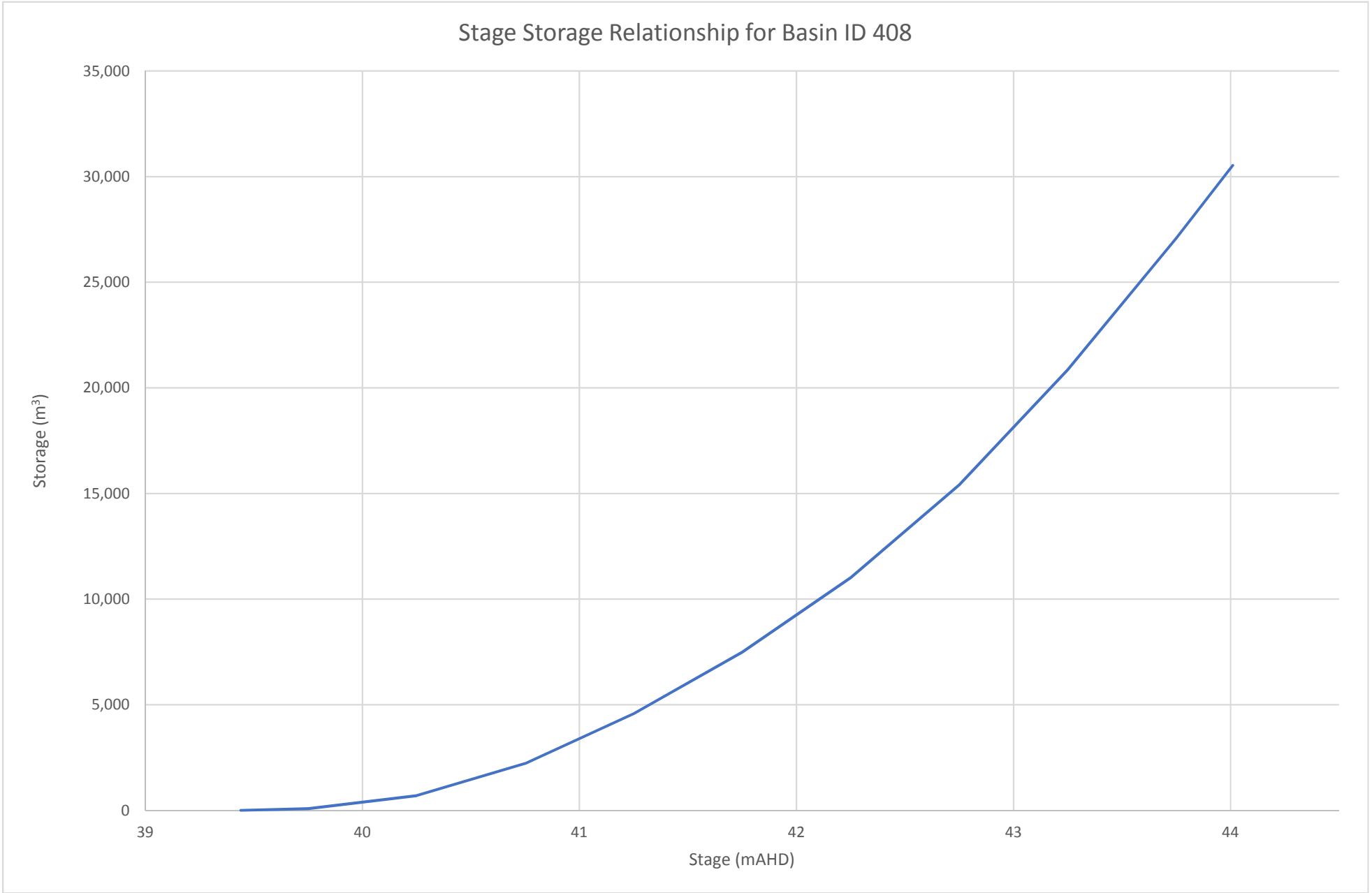

Stage Storage Relationship for Basin ID 324
12,000
10,000
8,000
6,000
4,000
2,000
0
Storage (m3)
43
43.5
44
44.5
45
45.5
46
46.5
Stage (mAHD)

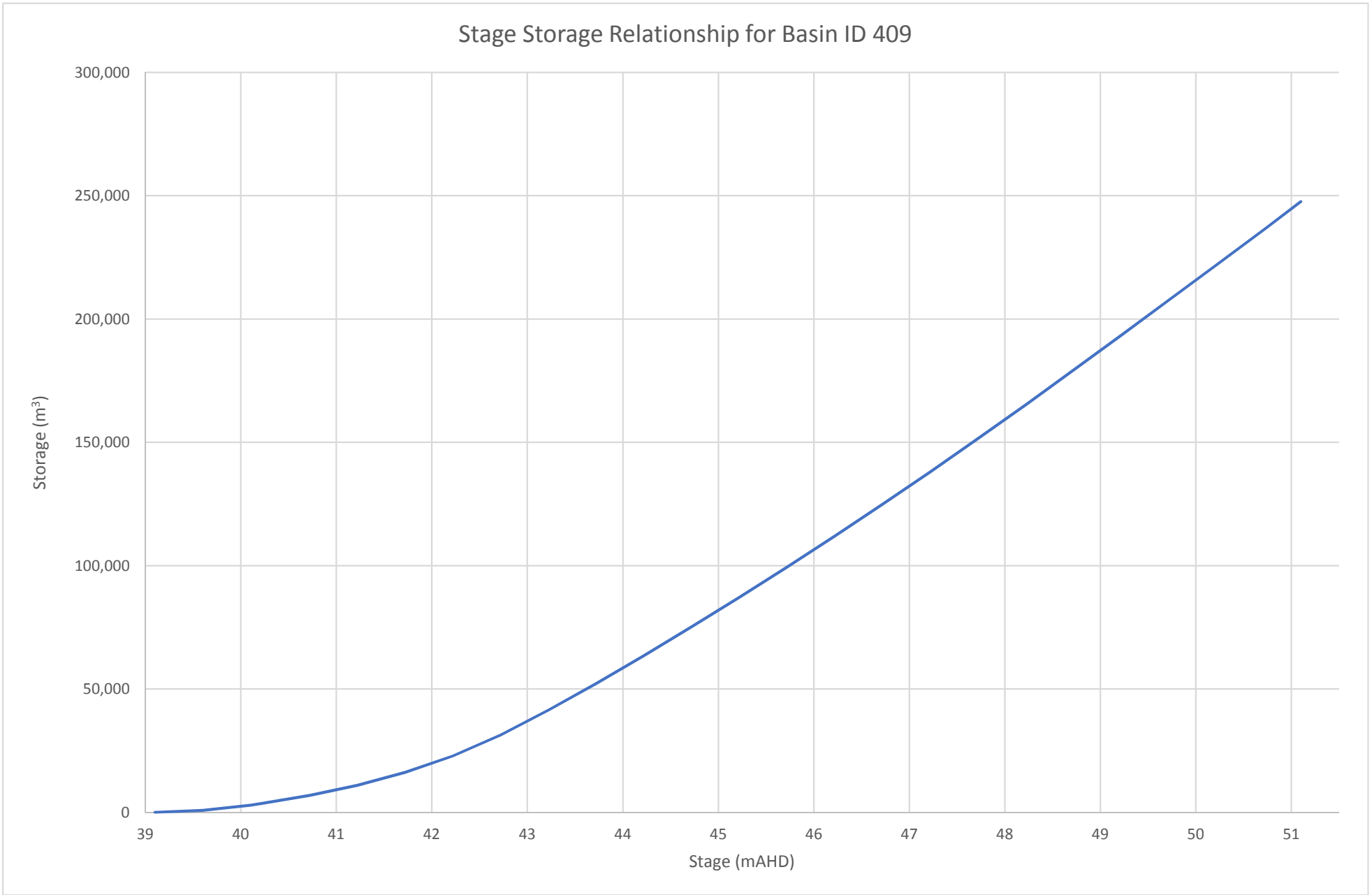

Stage Storage Relationship for Basin ID 325
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Storage (m3)
44
45
46
47
Stage (mAHD)

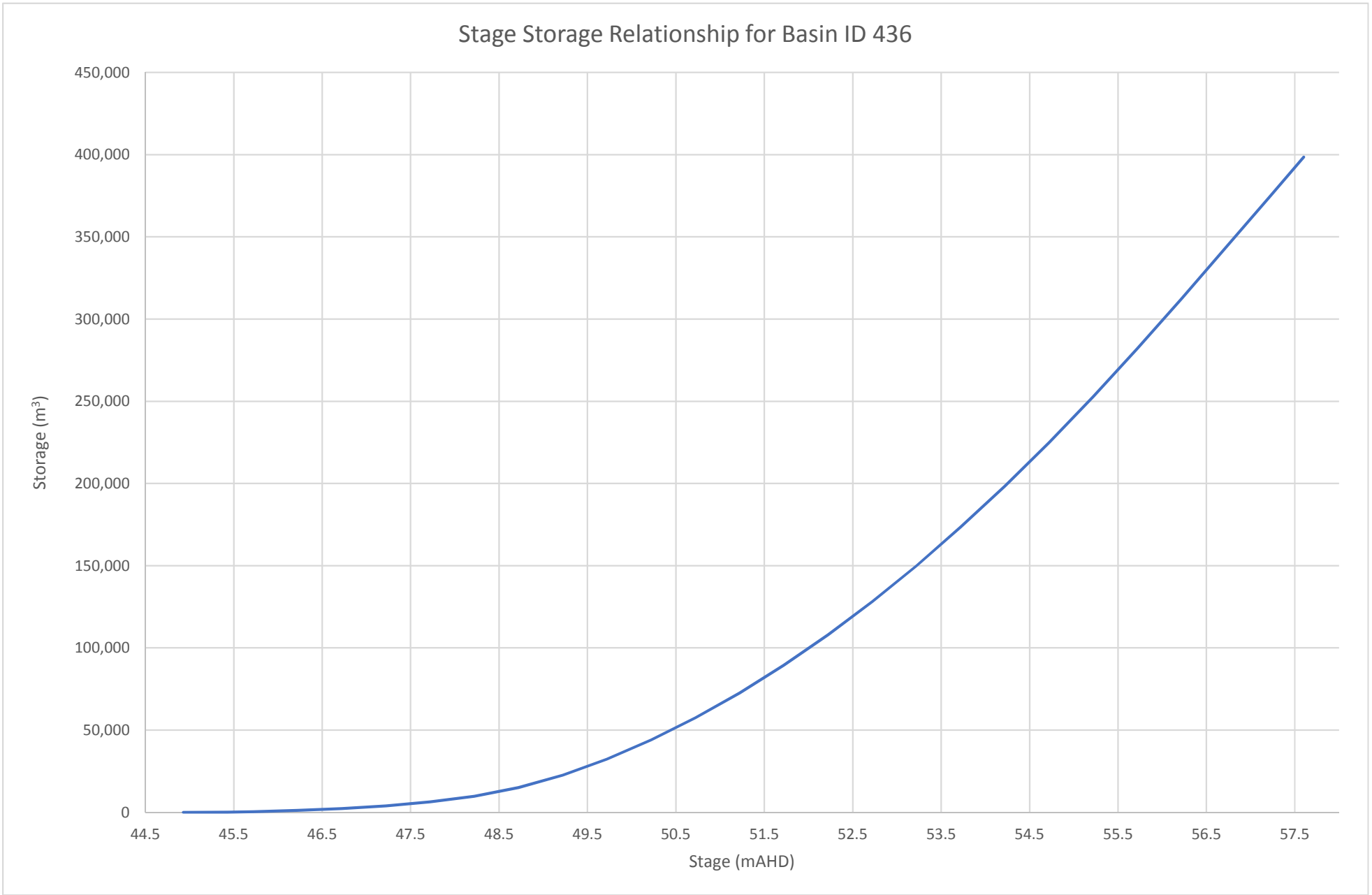

Stage Storage Relationship for Basin ID 361
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Storage (m3)
44
45
46
47
48
49
50
51
Stage (mAHD)

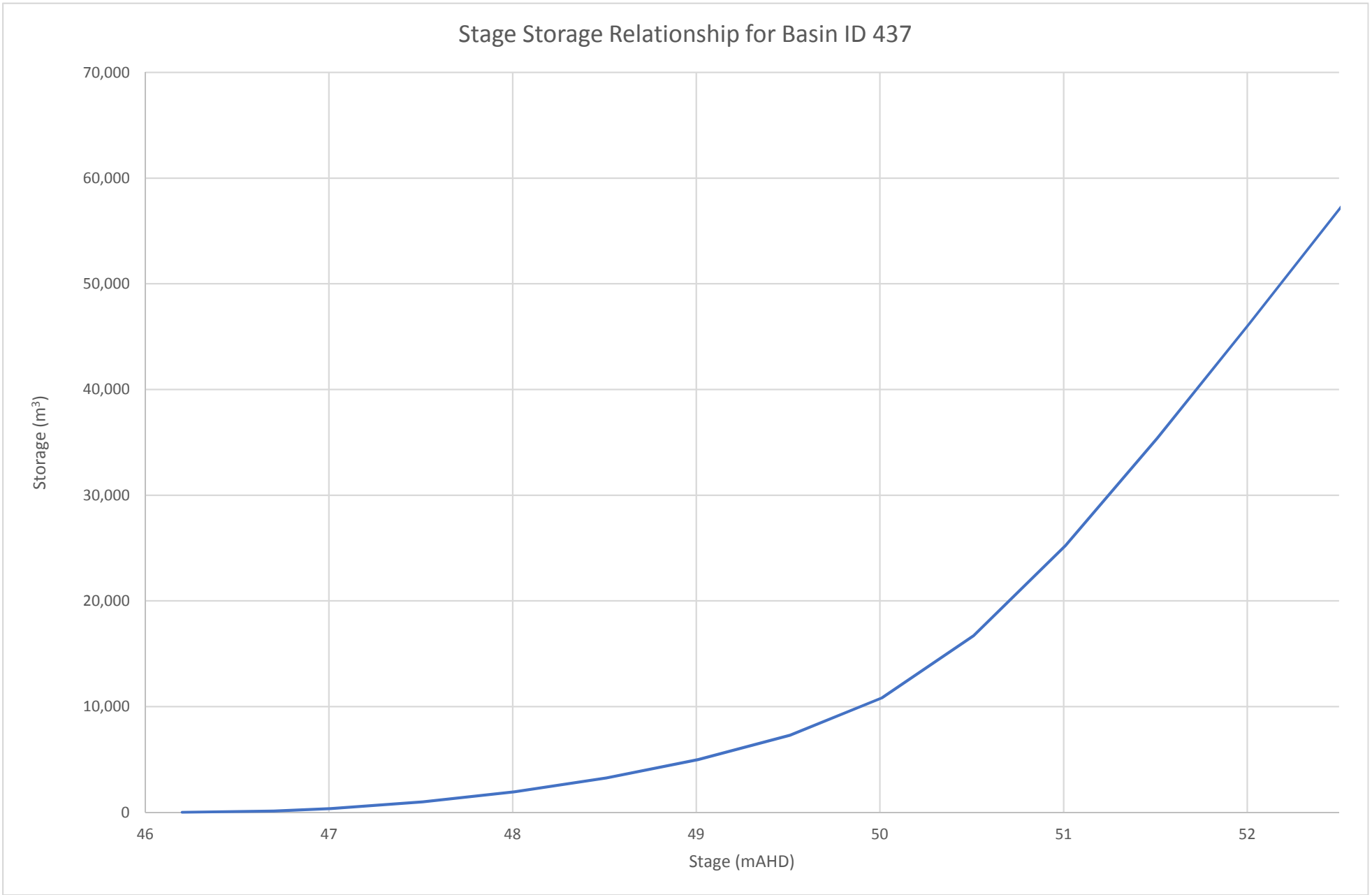

Stage Storage Relationship for Basin ID 366
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
37.5
38.5
39.5
40.5
41.5
42.5
43.5
44.5
45.5
46.5
47.5
48.5
Stage (mAHD)


Stage Storage Relationship for Basin ID 400
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
24
25
26
27
28
29
30
Stage (mAHD)

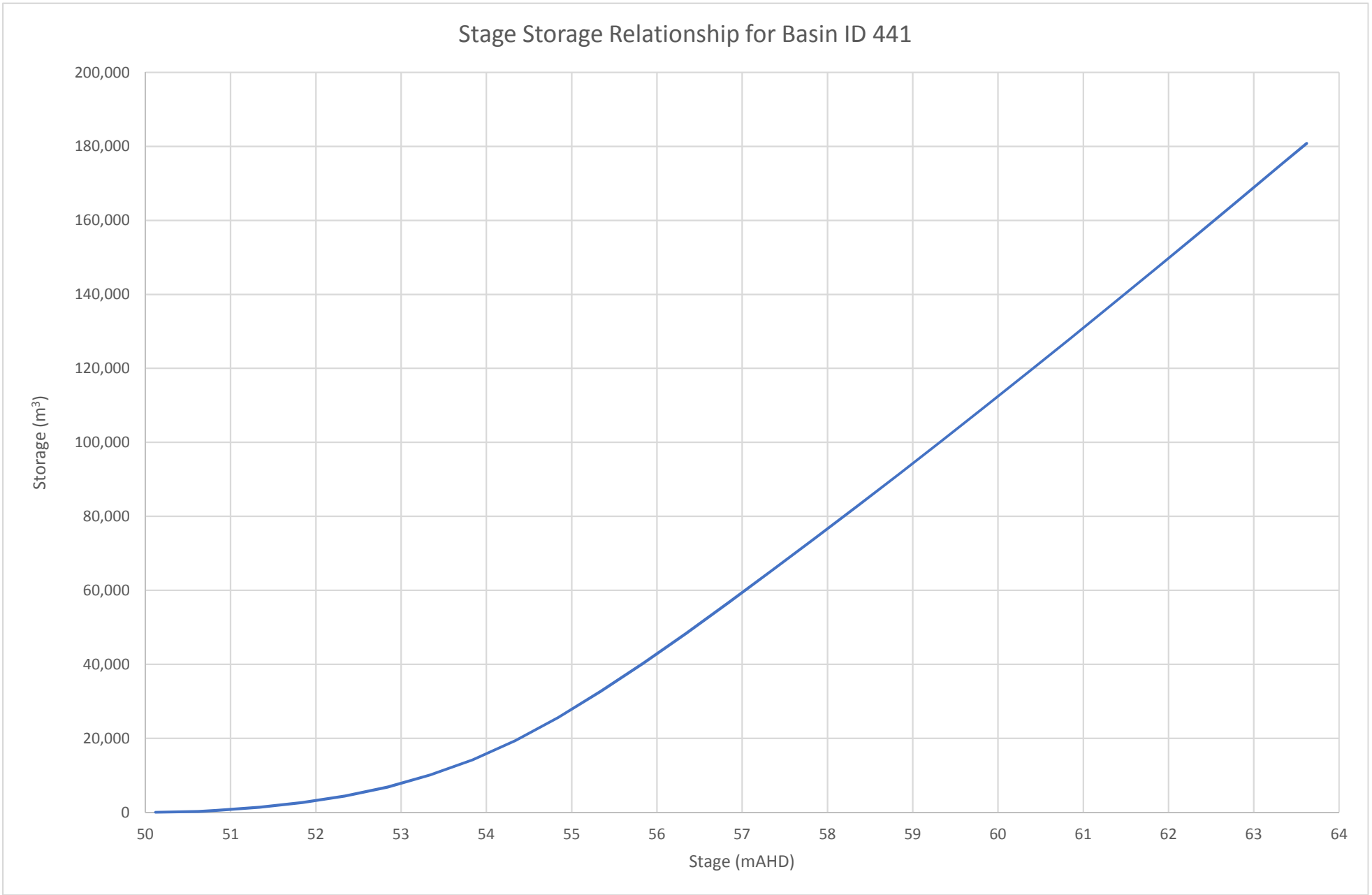

Stage Storage Relationship for Basin ID 408
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Storage (m3)
39
40
41
42
43
44
Stage (mAHD)

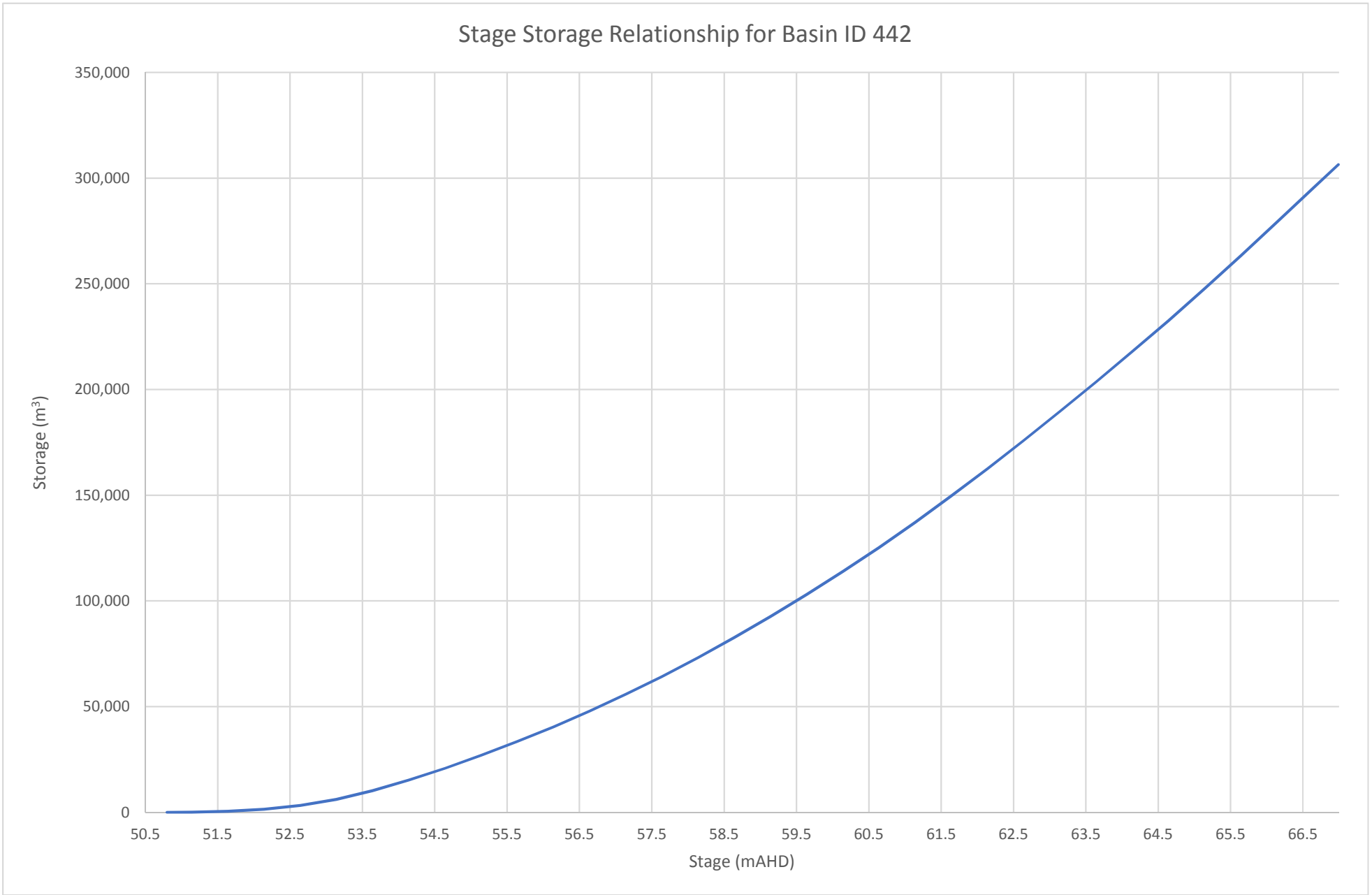

Stage Storage Relationship for Basin ID 409
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
39
40
41
42
43
44
45
46
47
48
49
50
51
Stage (mAHD)

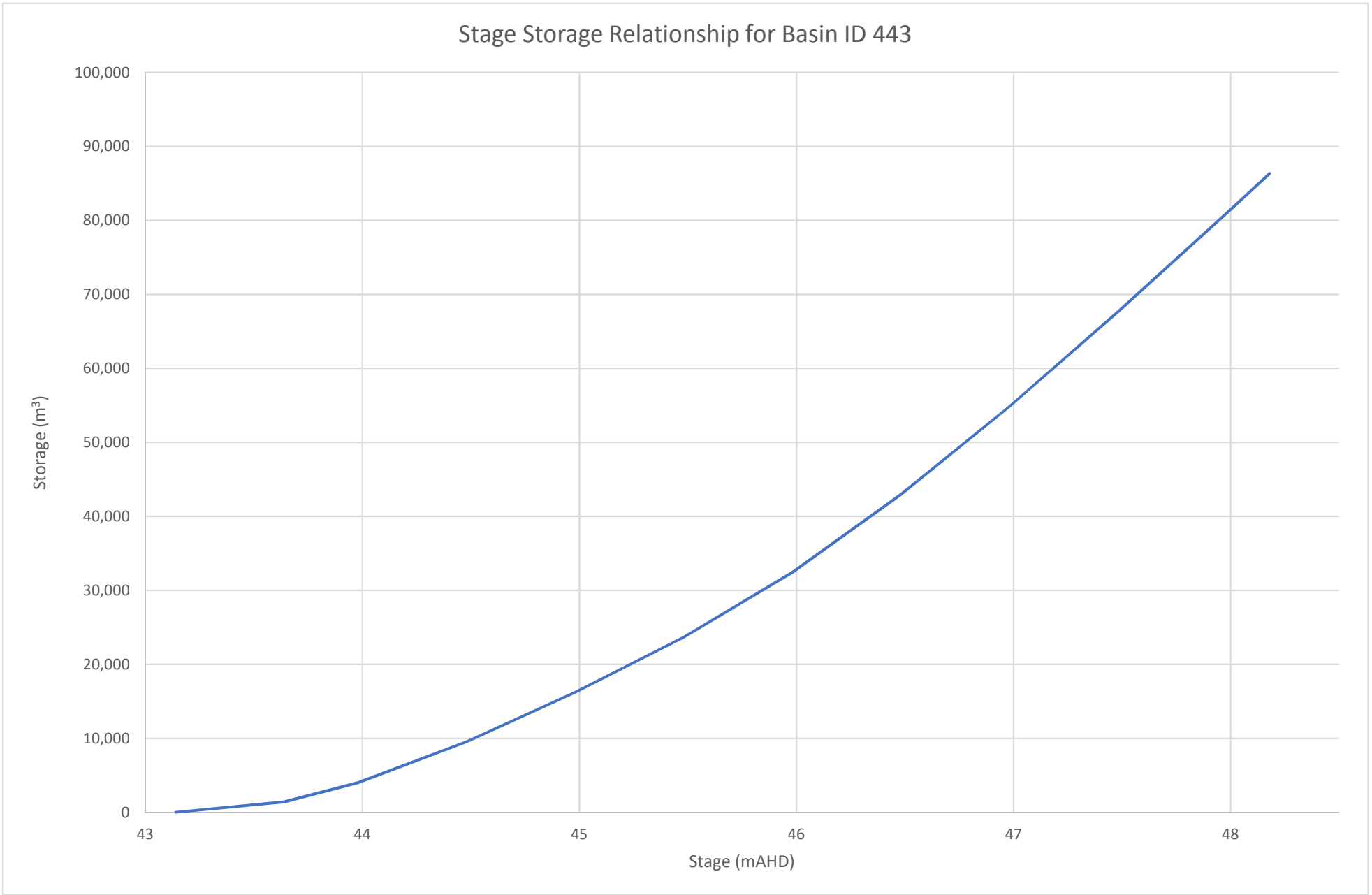

Stage Storage Relationship for Basin ID 436
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
44.5
45.5
46.5
47.5
48.5
49.5
50.5
51.5
52.5
53.5
54.5
55.5
56.5
57.5
Stage (mAHD)

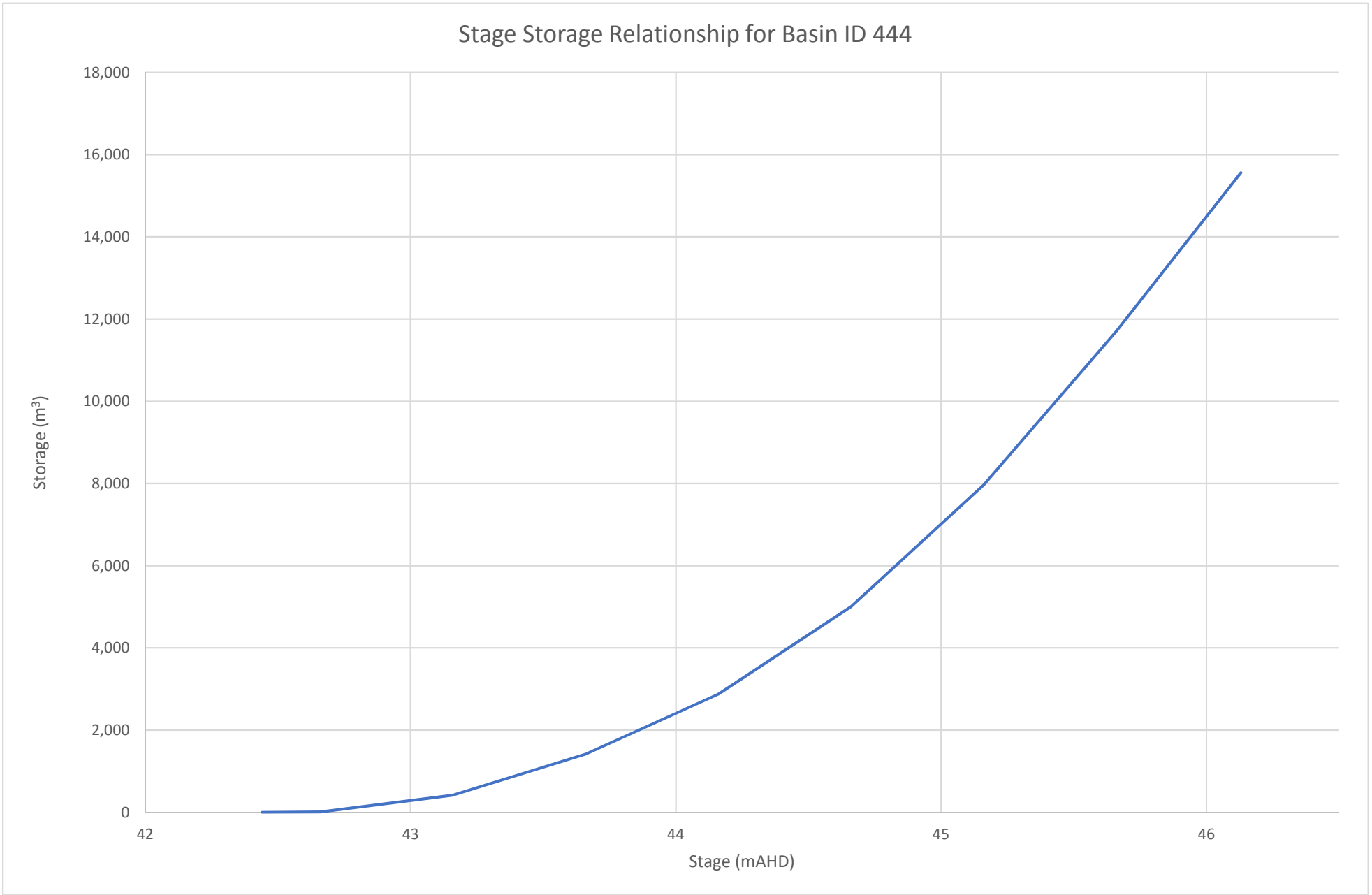

Stage Storage Relationship for Basin ID 437
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Storage (m3)
46
47
48
49
50
51
52
Stage (mAHD)

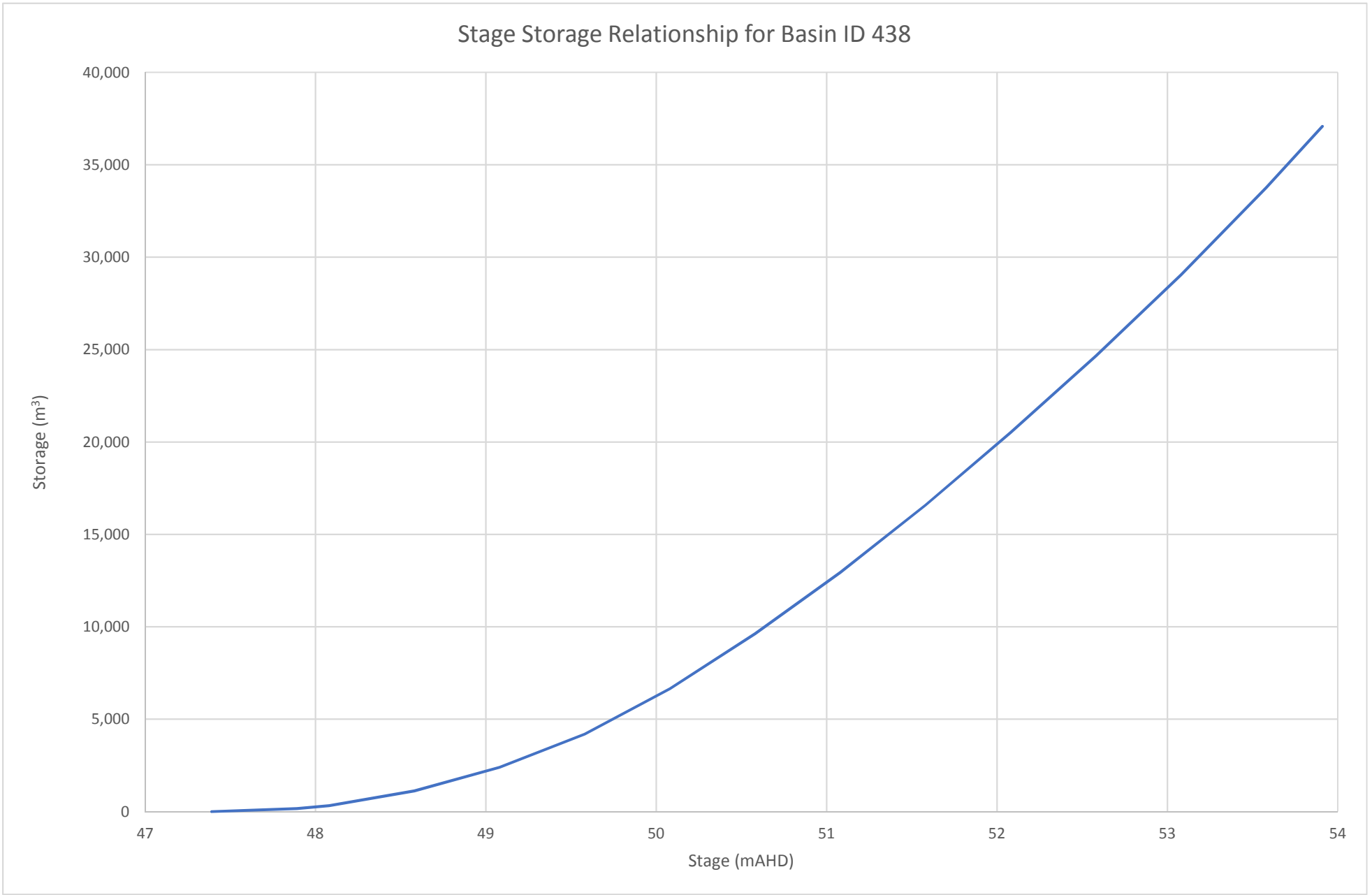

Stage Storage Relationship for Basin ID 440
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Storage (m3)
49
50
51
52
53
54
Stage (mAHD)

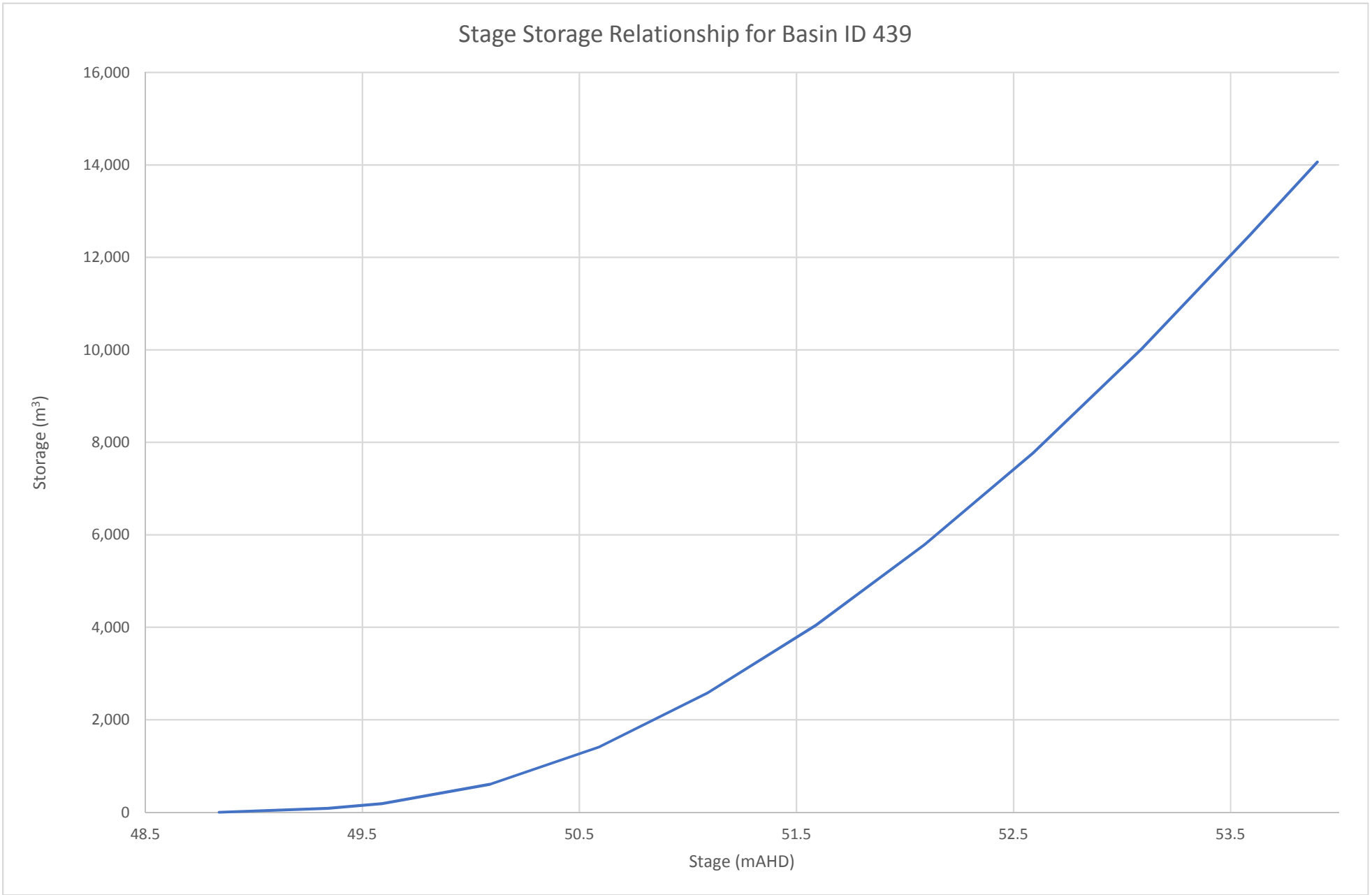

Stage Storage Relationship for Basin ID 441
Storage (m3)
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
Stage (mAHD)


Stage Storage Relationship for Basin ID 442
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Storage (m3)
50.5
51.5
52.5
53.5
54.5
55.5
56.5
57.5
58.5
59.5
60.5
61.5
62.5
63.5
64.5
65.5
66.5
Stage (mAHD)


Stage Storage Relationship for Basin ID 443
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Storage (m3)
43
44
45
46
47
48
Stage (mAHD)


Stage Storage Relationship for Basin ID 444
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Storage (m3)
42
43
44
45
46
Stage (mAHD)


Stage Storage Relationship for Basin ID 438
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Storage (m3)
47
48
49
50
51
52
53
54
Stage (mAHD)


Stage Storage Relationship for Basin ID 439
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Storage (m3)
48.5
49.5
50.5
51.5
52.5
53.5
Stage (mAHD)

APPENDIX E

MANNING'S "N" CALCULATIONS

Manning's 'n' Calculations

Prepared by: D. Tetley **Date:** 29/01/2016
Checked by: **Date:**

The following provides Manning's' n roughness coefficient calculations based on the modified Cowan method documented in the USGS Paper 2339: "Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains' (Arcement & Schneider). The approach was adopted for direct rainfall modelling as it can account for the higher effective roughness likely to be encountered at shallow flow depths

Overview

Manning's 'n' is calculated using the modified Cowan method based on the following formula:

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

Where: n_b = a base value of n for the floodplain's natural bare soil surface

n_1 = a correction factor for the effect of surface irregularities

n_2 = a value for variations in shape and size of the floodplain cross-section (assumed to be 0.0)

n_3 = a value for obstructions

n_4 = a value for vegetation on the floodplain

m = a correction factor for sinuosity (assumed to be 1.0)

Description of Surface / Material Type

Material Type - Grass
Relatively short grass. Occasional obstruction (e.g., fence post)

n_b Calculation

n_b is extracted from the following table:

Table 1. Base Values of Manning's *n*

Bed Material	Median Size of bed material (in millimeters)	Base *n* Value: Straight Uniform Channel[1]	Base *n* Value: Smooth Channel[2]
Sand Channels			
Sand[3]	0.2	0.012	--
	.3	.017	--
	.4	.020	--
	.5	.022	--
	.6	.023	--
	.8	.025	--
	1.0	.026	--
Stable Channels and Flood Plains			
Concrete	--	0.012-0.018	0.011
Rock Cut	--	--	.025
Firm Soil	--	0.025-0.032	.020

Coarse Sand	**1-2**	**0.026-0.035**	**--**
Fine Gravel	**--**	**--**	**.024**
Gravel	**2-64**	**0.028-0.035**	**--**
Coarse Gravel	**--**	**--**	**.026**
Cobble	**64-256**	**0.030-0.050**	**--**
Boulder	**>256**	**0.040-0.070**	**--**

[Modified from Aldridge & Garret, 1973, Table 1 --No data
1Benson & Dalrymple --No data
[2] For indicated material; Chow(1959)
[3] Only For Upper regime flow where grain roughness is predominant

Assume "Firm Soil" for grass areas

n_b = 0.025

n_1 Calculation (Degree of Irregularity)

n_1 is extracted from the following table:

Smooth	0.000	Compares to the smoothest, flattest flood-plain attainable in a given bed material.
Minor	0.001-0.005	Is a Flood Plain Slightly irregular in shape. A few rises and dips or sloughs may be more visible on the flood plain.
Moderate	0.006-0.010	Has more rises and dips. Sloughs and hummocks may occur.
Severe	0.011-0.020	Flood Plain very irregular in shape. Many rises and dips or sloughs are visible. Irregular ground surfaces in pasture land and furrows perpendicular to the flow are also included.

Assume "minor" to cater for gradual terrain undulations across most of the study area

n_1 = 0.003

n_3 Calculation (Effect of Obstructions)

n_3 is extracted from the following table:

Negligible	0.000-0.004	Few scattered obstructions, which include debris deposits, stumps, exposed roots, logs, piers, or isolated boulders, that occupy less than 5 percent of the cross-sectional area.
Minor	0.040-0.050	Obstructions occupy less than 15 percent of the cross-sectional area.
Appreciable	0.020-0.030	Obstructions occupy from 15 percent to 50 percent of the cross-sectional area.

Occasional tree stump or obstruction may be present:

n_3 = 0.004

n_4 Calculation (Effect of Vegetation)

n_4 is largely driven by the height of flow relative to the height of vegetation as defined in the following table:

Small	0.001-0.010	Dense growths of flexible turf grass, such as Bermuda, or weeds growing where the average depth of flow is at least two times the height of the vegetation; supple tree seedlings such as willow, cottonwood, arrow-weed, or saltcedar growing where the average depth of flow is at least three times the height of the vegetation.
Medium	0.010-0.025	Turf grass growing where the average depth of flow is from one to two times the height of the vegetation; moderately dense stemy grass, weeds, or tree seedlings growing where the average depth of flow is from two to three times the height of the vegetation; brushy, moderately dense vegetation, similar to 1-to-2-year-old willow trees in the dormant season..
Large	0.025-0.050	Turf grass growing where the average depth of flow is about equal to the height of the vegetation; 8-to-10-years-old willow or cottonwood trees intergrow with some weeds and brush (none of the vegetation in foliage) where the hydraulic radius exceeds 0.607 m.;or mature row crops such as small vegetables, or mature field crops where depth flow is at least twice the height of the vegetation.
Very Large	0.050-0.100	Turf grass growing where the average depth of flow is less than half the height of the vegetation; or moderate to dense brush, or heavy stand of timber with few down trees and little undergrowth where depth of flow is

		timber with few down trees and little undergrowth where depth of flow is below branches, or mature field crops where depth of flow is less than the height of the vegetation.
Extreme	0.100-0.200	Dense bushy willow, mesquite, and saltcedar(all vegetation in full foliage), or heavy stand of timber, few down trees, depth of reaching branches.

Assume grass is equal to or less than 0.05 metres in height

n_4 = 0.065	When water depth is < 0.03m	(water depth less than height of grass)
n_4 = 0.035	When water depth is ~ 0.05m	(water depth equal in height to grass)
n_4 = 0.015	When water depth is ~ 0.07m	(water depth less than twice height of grass)
n_4 = 0.005	When water depth is > 0.1m	(water depth more than twice height of grass)

Final 'n' Value

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

n = 0.107	When water depth is < 0.03m
n = 0.077	When water depth is ~ 0.05m
n = 0.052	When water depth is ~ 0.07m
n = 0.031	When water depth is > 0.1m

Manning's 'n' Calculations

Prepared by: D. Tetley **Date:** 29/01/2016
Checked by: **Date:**

The following provides Manning's' n roughness coefficient calculations based on the modified Cowan method documented in the USGS Paper 2339: "Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains' (Arcement & Schneider). The approach was adopted for direct rainfall modelling as it can account for the higher effective roughness likely to be encountered at shallow flow depths

Overview

Manning's 'n' is calculated using the modified Cowan method based on the following formula:

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

Where: n_b = a base value of n for the floodplain's natural bare soil surface

n_1 = a correction factor for the effect of surface irregularities

n_2 = a value for variations in shape and size of the floodplain cross-section (assumed to be 0.0)

n_3 = a value for obstructions

n_4 = a value for vegetation on the floodplain

m = a correction factor for sinuosity (assumed to be 1.0)

Description of Surface / Material Type

Material Type 3 - Trees
Trees (> 2metres in height) with minimal undergrowth

n_b Calculation

n_b is extracted from the following table:

Table 1. Base Values of Manning's *n*

Bed Material	Median Size of bed material (in millimeters)	Base *n* Value: Straight Uniform Channel[1]	Base *n* Value: Smooth Channel[2]
Sand Channels			
Sand[3]	0.2	0.012	--
	.3	.017	--
	.4	.020	--
	.5	.022	--
	.6	.023	--
	.8	.025	--
	1.0	.026	--
Stable Channels and Flood Plains			
Concrete	--	0.012-0.018	0.011
Rock Cut	--	--	.025
Firm Soil	--	0.025-0.032	.020

Coarse Sand	**1-2**	**0.026-0.035**	**--**
Fine Gravel	**--**	**--**	**.024**
Gravel	**2-64**	**0.028-0.035**	**--**
Coarse Gravel	**--**	**--**	**.026**
Cobble	**64-256**	**0.030-0.050**	**--**
Boulder	**>256**	**0.040-0.070**	**--**

[Modified from Aldridge & Garret, 1973, Table 1 --No data
1Benson & Dalrymple --No data
[2] For indicated material; Chow(1959)
[3] Only For Upper regime flow where grain roughness is predominant

Assume "Firm Soil"

n_b = 0.025

n_1 Calculation (Degree of Irregularity)

n_1 is extracted from the following table:

Smooth	0.000	Compares to the smoothest, flattest flood-plain attainable in a given bed material.
Minor	0.001-0.005	Is a Flood Plain Slightly irregular in shape. A few rises and dips or sloughs may be more visible on the flood plain.
Moderate	0.006-0.010	Has more rises and dips. Sloughs and hummocks may occur.
Severe	0.011-0.020	Flood Plain very irregular in shape. Many rises and dips or sloughs are visible. Irregular ground surfaces in pasture land and furrows perpendicular to the flow are also included.

Assume "minor" to cater for gradual terrain undulations across most of the study area

n_1 = 0.003

n_3 Calculation (Effect of Obstructions)

n_3 is extracted from the following table:

Negligible	0.000-0.004	Few scattered obstructions, which include debris deposits, stumps, exposed roots, logs, piers, or isolated boulders, that occupy less than 5 percent of the cross-sectional area.
Minor	0.040-0.050	Obstructions occupy less than 15 percent of the cross-sectional area.
Appreciable	0.020-0.030	Obstructions occupy from 15 percent to 50 percent of the cross-sectional area.

Many obstructions likely

n_3 = 0.03

n_4 Calculation (Effect of Vegetation)

n_4 is largely driven by the height of flow relative to the height of vegetation as defined in the following table:

Small	0.001-0.010	Dense growths of flexible turf grass, such as Bermuda, or weeds growing where the average depth of flow is at least two times the height of the vegetation; supple tree seedlings such as willow, cottonwood, arrow-weed, or saltcedar growing where the average depth of flow is at least three times the height of the vegetation.
Medium	0.010-0.025	Turf grass growing where the average depth of flow is from one to two times the height of the vegetation; moderately dense stemy grass, weeds, or tree seedlings growing where the average depth of flow is from two to three times the height of the vegetation; brushy, moderately dense vegetation, similar to 1-to-2-year-old willow trees in the dormant season..
Large	0.025-0.050	Turf grass growing where the average depth of flow is about equal to the height of the vegetation; 8-to-10-years-old willow or cottonwood trees intergrow with some weeds and brush (none of the vegetation in foliage) where the hydraulic radius exceeds 0.607 m.;or mature row crops such as small vegetables, or mature field crops where depth flow is at least twice the height of the vegetation.
Very Large	0.050-0.100	Turf grass growing where the average depth of flow is less than half the height of the vegetation; or moderate to dense brush, or heavy stand of timber with few down trees and little undergrowth where depth of flow is

		below branches, or mature field crops where depth of flow is less than the height of the vegetation.
Extreme	0.100-0.200	Dense bushy willow, mesquite, and saltcedar(all vegetation in full foliage), or heavy stand of timber, few down trees, depth of reaching branches.

Assume undergrowth up to 0.3 m in height, tree tunks only up to 2m & tree branches + trunk above 2m

n_4 = 0.075	When water depth is < 0.3m	(Undergrowth in contact with flow)
n_4 = 0.02	When water depth is ~ 0.5m	(Tree trunks in contact with flow)
n_4 = 0.04	When water depth is >2m	(Tree trunks+ branches in contact with flow)

Final 'n' Value

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

n = 0.133	When water depth is < 0.3m
n = 0.078	When water depth is ~ 0.5m
n = 0.098	When water depth is >2.0m

Manning's 'n' Calculations

Prepared by: D. Tetley **Date:** 29/01/2016
Checked by: **Date:**

The following provides Manning's' n roughness coefficient calculations based on the modified Cowan method documented in the USGS Paper 2339: "Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains' (Arcement & Schneider). The approach was adopted for direct rainfall modelling as it can account for the higher effective roughness likely to be encountered at shallow flow depths

Overview

Manning's 'n' is calculated using the modified Cowan method based on the following formula:

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

Where: n_b = a base value of n for the floodplain's natural bare soil surface

n_1 = a correction factor for the effect of surface irregularities

n_2 = a value for variations in shape and size of the floodplain cross-section (assumed to be 0.0)

n_3 = a value for obstructions

n_4 = a value for vegetation on the floodplain

m = a correction factor for sinuosity (assumed to be 1.0)

Description of Surface / Material Type

Material Type - Impervious (concrete, road, car parking area)

n_b Calculation

n_b is extracted from the following table:

Table 1. Base Values of Manning's *n*

Bed Material	Median Size of bed material (in millimeters)	Base *n* Value: Straight Uniform Channel[1]	Base *n* Value: Smooth Channel[2]
Sand Channels			
Sand[3]	0.2	0.012	--
	.3	.017	--
	.4	.020	--
	.5	.022	--
	.6	.023	--
	.8	.025	--
	1.0	.026	--
Stable Channels and Flood Plains			
Concrete	--	0.012-0.018	0.011
Rock Cut	--	--	.025
Firm Soil	--	0.025-0.032	.020

Coarse Sand	**1-2**	**0.026-0.035**	**--**
Fine Gravel	**--**	**--**	**.024**
Gravel	**2-64**	**0.028-0.035**	**--**
Coarse Gravel	**--**	**--**	**.026**
Cobble	**64-256**	**0.030-0.050**	**--**
Boulder	**>256**	**0.040-0.070**	**--**

[Modified from Aldridge & Garret, 1973, Table 1 --No data
1Benson & Dalrymple --No data
[2] For indicated material; Chow(1959)
[3] Only For Upper regime flow where grain roughness is predominant

Assume "Concrete"

n_b = 0.012

n_1 Calculation (Degree of Irregularity)

n_1 is extracted from the following table:

Smooth	0.000	Compares to the smoothest, flattest flood-plain attainable in a given bed material.
Minor	0.001-0.005	Is a Flood Plain Slightly irregular in shape. A few rises and dips or sloughs may be more visible on the flood plain.
Moderate	0.006-0.010	Has more rises and dips. Sloughs and hummocks may occur.
Severe	0.011-0.020	Flood Plain very irregular in shape. Many rises and dips or sloughs are visible. Irregular ground surfaces in pasture land and furrows perpendicular to the flow are also included.

Assume smooth

n_1 = 0

n_3 Calculation (Effect of Obstructions)

n_3 is extracted from the following table:

Negligible	0.000-0.004	Few scattered obstructions, which include debris deposits, stumps, exposed roots, logs, piers, or isolated boulders, that occupy less than 5 percent of the cross-sectional area.
Minor	0.040-0.050	Obstructions occupy less than 15 percent of the cross-sectional area.
Appreciable	0.020-0.030	Obstructions occupy from 15 percent to 50 percent of the cross-sectional area.

Assume minimal obstructions

n_3 = 0.002

n_4 Calculation (Effect of Vegetation)

n_4 is largely driven by the height of flow relative to the height of vegetation as defined in the following table:

Small	0.001-0.010	Dense growths of flexible turf grass, such as Bermuda, or weeds growing where the average depth of flow is at least two times the height of the vegetation; supple tree seedlings such as willow, cottonwood, arrow-weed, or saltcedar growing where the average depth of flow is at least three times the height of the vegetation.
Medium	0.010-0.025	Turf grass growing where the average depth of flow is from one to two times the height of the vegetation; moderately dense stemy grass, weeds, or tree seedlings growing where the average depth of flow is from two to three times the height of the vegetation; brushy, moderately dense vegetation, similar to 1-to-2-year-old willow trees in the dormant season..
Large	0.025-0.050	Turf grass growing where the average depth of flow is about equal to the height of the vegetation; 8-to-10-years-old willow or cottonwood trees intergrow with some weeds and brush (none of the vegetation in foliage) where the hydraulic radius exceeds 0.607 m.;or mature row crops such as small vegetables, or mature field crops where depth flow is at least twice the height of the vegetation.
Very Large	0.050-0.100	Turf grass growing where the average depth of flow is less than half the height of the vegetation; or moderate to dense brush, or heavy stand of timber with few down trees and little undergrowth where depth of flow is

		below branches, or mature field crops where depth of flow is less than the height of the vegetation.
Extreme	0.100-0.200	Dense bushy willow, mesquite, and saltcedar(all vegetation in full foliage), or heavy stand of timber, few down trees, depth of reaching branches.

n_4 = 0.02	When water depth is < 0.005m	(Water in contact with aggregate)
n_4 = 0.001	When water depth is > 0.005m	(Water above aggregate height)

Final 'n' Value

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

n = 0.034	When water depth is < 0.005m
n = 0.015	When water depth is > 0.005m

Manning's 'n' Calculations

Prepared by: D. Tetley **Date:** 23/08/2013
Checked by: **Date:**

The following provide Manning's' n roughness coefficient calculations based on the modified Cowan method documented in the USGS Paper 2339: "Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains' (Arcement & Schneider). The approach is appropriate for direct rainfall modelling as it can account for the variation in 'n' with respect to flow depth.

Overview

Manning's 'n' is calculated using the modified Cowan method based on the following formula:

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

Where: n_b = a base value of n for the floodplain's natural bare soil surface

n_1 = a correction factor for the effect of surface irregularities

n_2 = a value for variations in shape and size of the floodplain cross-section (assumed to be 0.0)

n_3 = a value for obstructions

n_4 = a value for vegetation on the floodplain

m = a correction factor for sinuosity (assumed to be 1.0)

Description of Surface / Material Type

Material Type 4 - Roads
Concrete kerb & gutter for containing low flows with road pavement at higher stages

n_b Calculation

n_b is extracted from the following table:

Table 1. Base Values of Manning's *n*

Bed Material	Median Size of bed material (in millimeters)	Base *n* Value: Straight Uniform Channel[1]	Base *n* Value: Smooth Channel[2]
Sand Channels			
Sand[3]	0.2	0.012	--
	.3	.017	--
	.4	.020	--
	.5	.022	--
	.6	.023	--
	.8	.025	--
	1.0	.026	--
Stable Channels and Flood Plains			
Concrete	--	0.012-0.018	0.011
Rock Cut	--	--	.025
Firm Soil	--	0.025-0.032	.020

Coarse Sand	**1-2**	**0.026-0.035**	**--**
Fine Gravel	**--**	**--**	**.024**
Gravel	**2-64**	**0.028-0.035**	**--**
Coarse Gravel	**--**	**--**	**.026**
Cobble	**64-256**	**0.030-0.050**	**--**
Boulder	**>256**	**0.040-0.070**	**--**

[Modified from Aldridge & Garret, 1973, Table 1 --No data
1Benson & Dalrymple --No data
[2] For indicated material; Chow(1959)
[3] Only For Upper regime flow where grain roughness is predominant

Assume "Concrete"

n_b = 0.012

n_1 Calculation (Degree of Irregularity)

n_1 is extracted from the following table:

Smooth	0.000	Compares to the smoothest, flattest flood-plain attainable in a given bed material.
Minor	0.001-0.005	Is a Flood Plain Slightly irregular in shape. A few rises and dips or sloughs may be more visible on the flood plain.
Moderate	0.006-0.010	Has more rises and dips. Sloughs and hummocks may occur.
Severe	0.011-0.020	Flood Plain very irregular in shape. Many rises and dips or sloughs are visible. Irregular ground surfaces in pasture land and furrows perpendicular to the flow are also included.

Relatively minor grades along most roadways

n_1 = 0.002

n_3 Calculation (Effect of Obstructions)

n_3 is extracted from the following table:

Negligible	0.000-0.004	Few scattered obstructions, which include debris deposits, stumps, exposed roots, logs, piers, or isolated boulders, that occupy less than 5 percent of the cross-sectional area.
Minor	0.040-0.050	Obstructions occupy less than 15 percent of the cross-sectional area.
Appreciable	0.020-0.030	Obstructions occupy from 15 percent to 50 percent of the cross-sectional area.

May be garbage bins etc, but assume negligible

n_3 = 0.002

n_4 Calculation (Effect of Vegetation)

n_4 is largely driven by the height of flow relative to the height of vegetation as defined in the following table:

Small	0.001-0.010	Dense growths of flexible turf grass, such as Bermuda, or weeds growing where the average depth of flow is at least two times the height of the vegetation; supple tree seedlings such as willow, cottonwood, arrow-weed, or saltcedar growing where the average depth of flow is at least three times the height of the vegetation.
Medium	0.010-0.025	Turf grass growing where the average depth of flow is from one to two times the height of the vegetation; moderately dense stemy grass, weeds, or tree seedlings growing where the average depth of flow is from two to three times the height of the vegetation; brushy, moderately dense vegetation, similar to 1-to-2-year-old willow trees in the dormant season..
Large	0.025-0.050	Turf grass growing where the average depth of flow is about equal to the height of the vegetation; 8-to-10-years-old willow or cottonwood trees intergrow with some weeds and brush (none of the vegetation in foliage) where the hydraulic radius exceeds 0.607 m.;or mature row crops such as small vegetables, or mature field crops where depth flow is at least twice the height of the vegetation.
Very Large	0.050-0.100	Turf grass growing where the average depth of flow is less than half the height of the vegetation; or moderate to dense brush, or heavy stand of timber with few down trees and little undergrowth where depth of flow is

		below branches, or mature field crops where depth of flow is less than the height of the vegetation.
Extreme	0.100-0.200	Dense bushy willow, mesquite, and saltcedar(all vegetation in full foliage), or heavy stand of timber, few down trees, depth of reaching branches.

Assume water contained in gutter initially and then spreads onto road pavement

n_4 = 0.001	When water depth is < 0.04m	(Water contained within gutter)
n_4 = 0.005	When water depth is ~ 0.1m	(Water comes into contact with pavement aggregate)
n_4 = 0.002	When water depth is > 0.15m	(Water well above aggregate/gutter height)

Final 'n' Value

$n = m (n_b + n_1 + n_2 + n_3 + n_4)$

n = 0.017	When water depth is < 0.04m
n = 0.021	When water depth is ~ 0.1m
n = 0.018	When water depth is >0.15m

APPENDIX F

BRIDGE LOSS CALCULATIONS

Representation of Bridges in TUFLOW

TUFLOW does not explicitly allow inclusion of bridge structure details, such as abutments or piers like other software, such as HEC-RAS. Therefore, the variation in energy losses that can be expected through a bridge opening must be defined using a height varying loss coefficent.

This requires calculation of suitable loss coefficient values from the channel invert up to the elevation of the underside of the culvert/bridge deck.

The following pages present the calculations that were completed to determine appropriate bridge loss coefficients.

All calculations were completed in accordance with procedures detailed in the 'TUFLOW User Manual' (BMT WBM, 2010) and 'Hydraulics of Bridge Waterways' (Bradley, 1978).

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Cables Bridge - Stage 1 (RL 21.59 - 22.64 mAHD)

Bridge Modelling Approach: 1D

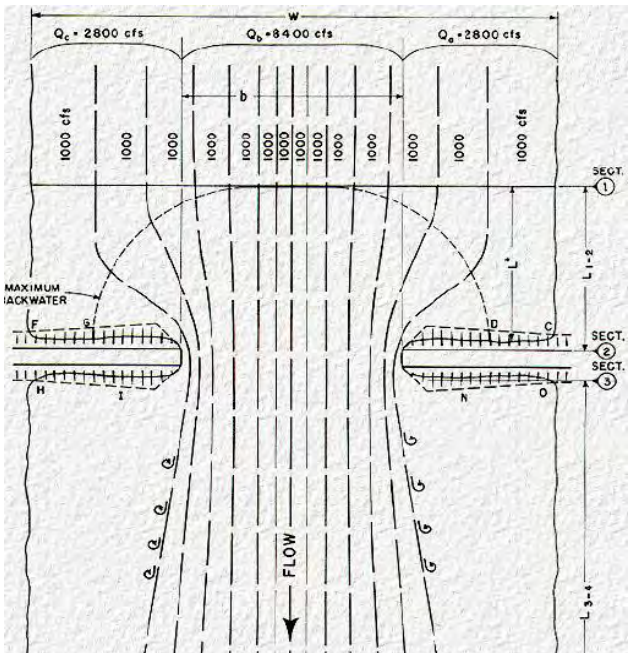
The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

First need to calculate the Bridge Opening Ratio (M)

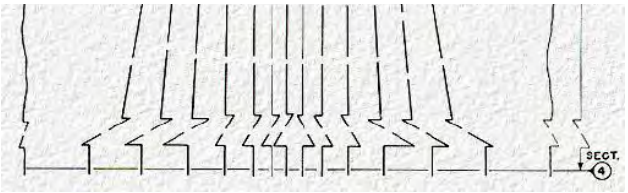
M = Unimpeded Flow / Total Flow

$M = Q_b / (Q_a + Q_b + Q_c)$



Bridge Flow =	7.85	m^3/s
Unimpeded Flow=	8.77	m^3/s
M =	0.90	

where:	(Bridge)	(Unimpeded)
A=	24.48	29.79
P=	25.41	33.65
n=	0.035	0.035
S=	0.0001	0.0001



Abutment Type = 90o Wingwall

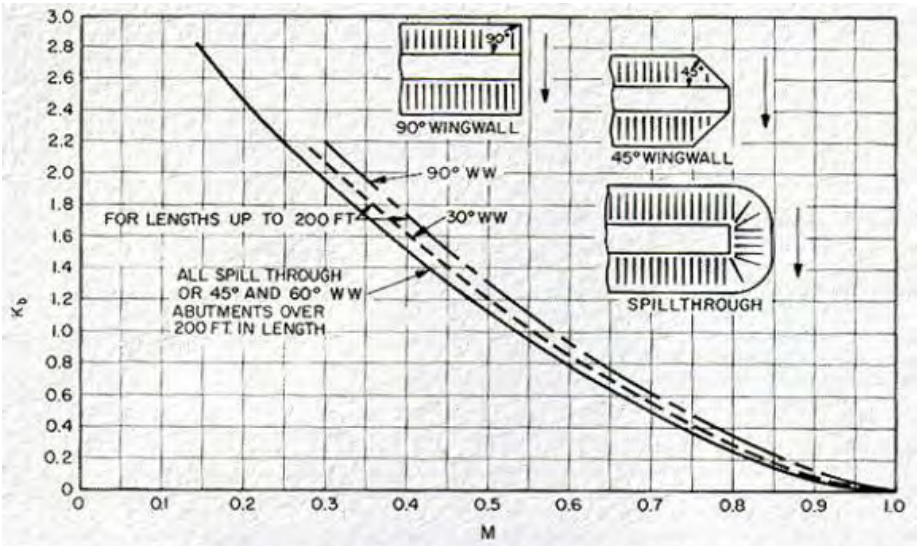


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = 0.16

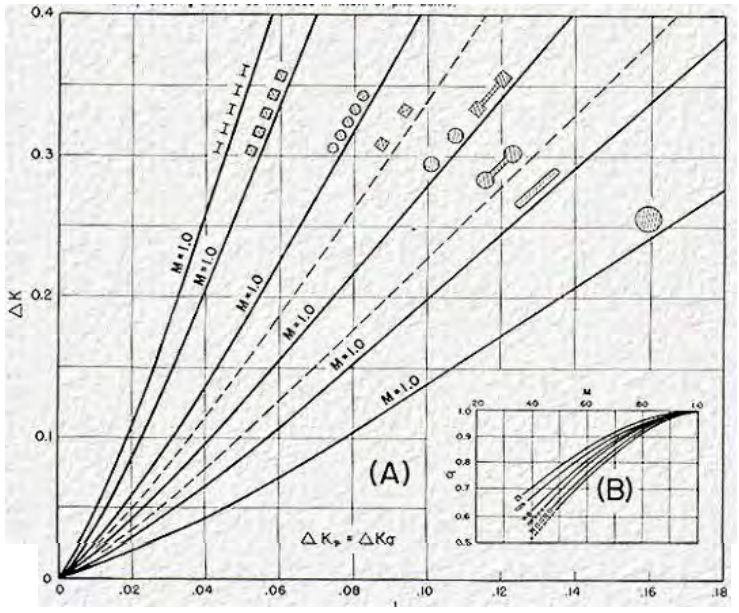
K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

$J = A_p / A_{n3}$

A_p =	1.26	m^2
A_{n2} =	24.48	m^2

J = 0.051480051
J = 5%



Pier Type: Single Rectangular Pier

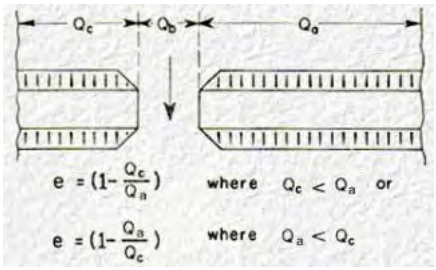
σ = 0.97

ΔK = 0.09

$K_p = \sigma \Delta K$

K_p = 0.09

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

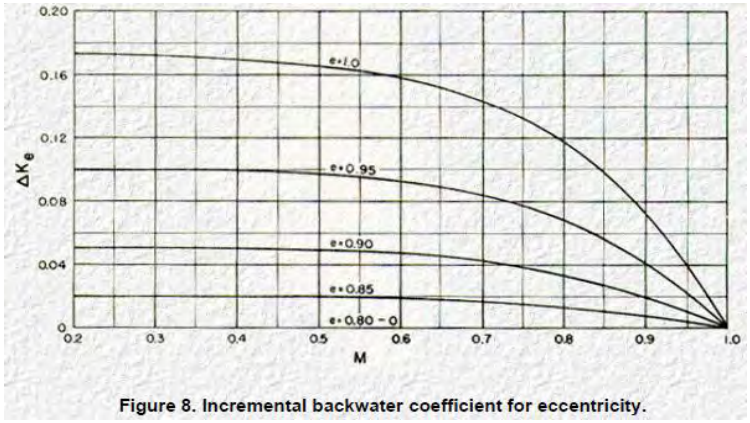
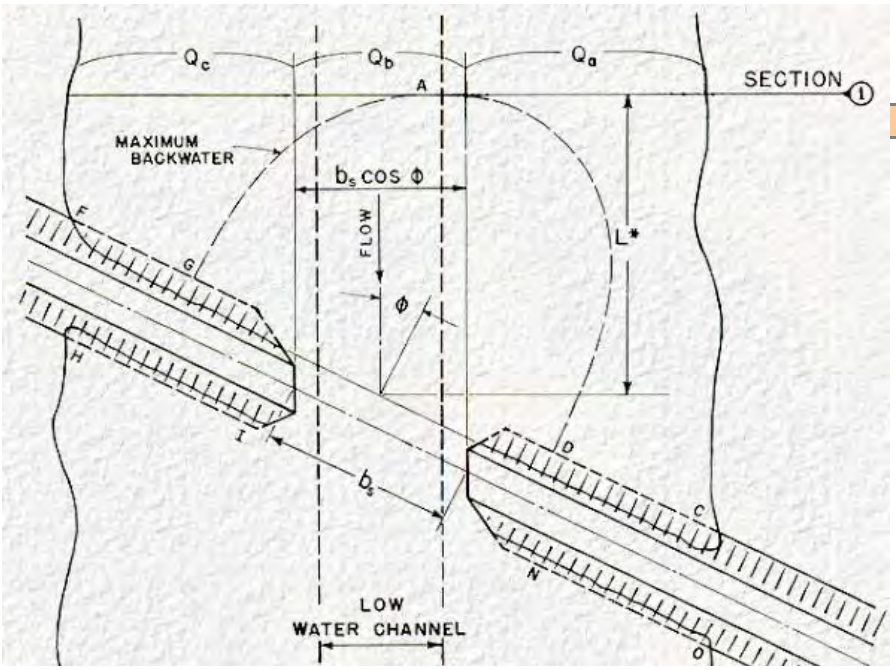


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

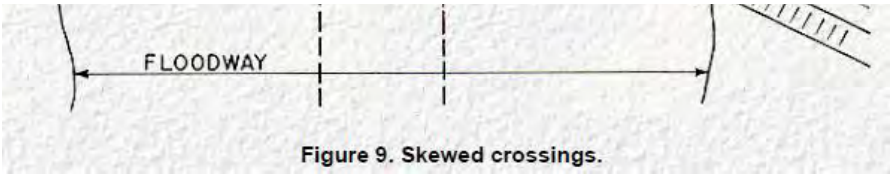


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

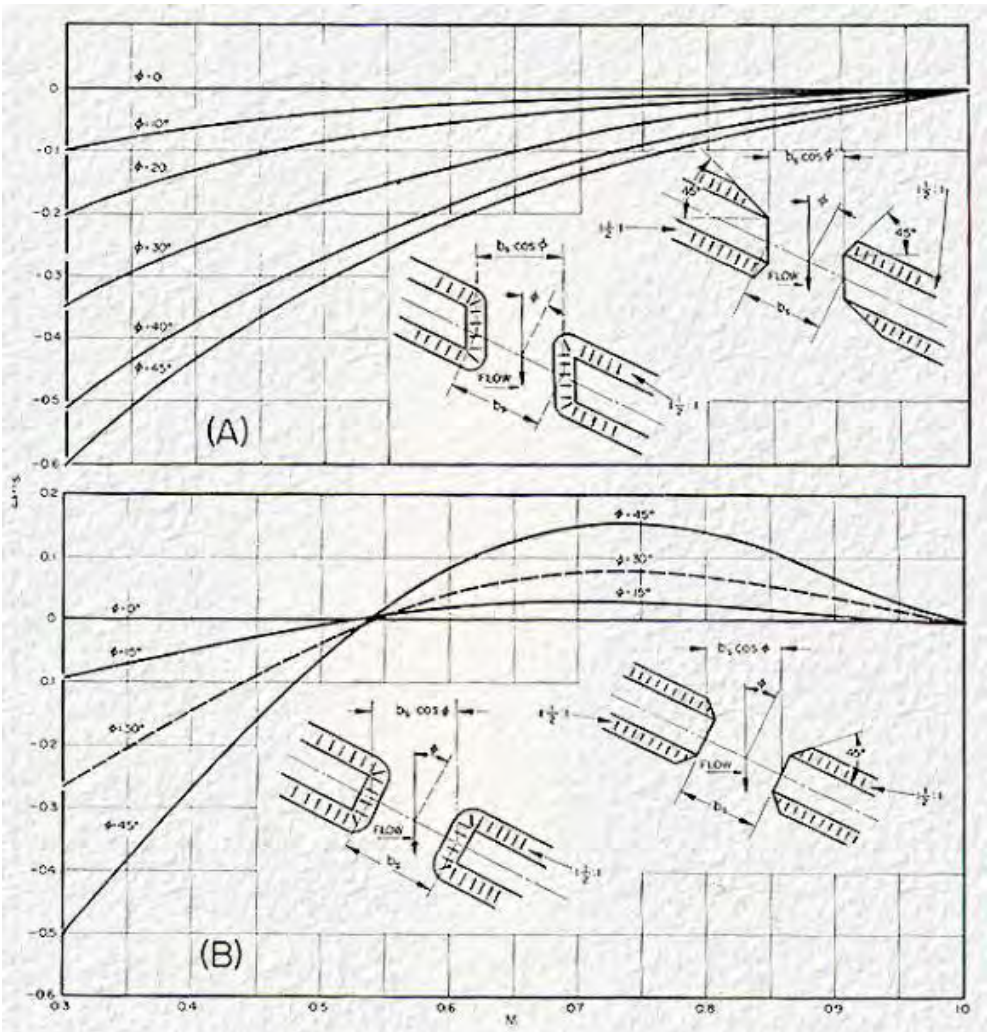


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

K^* = 0.25

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

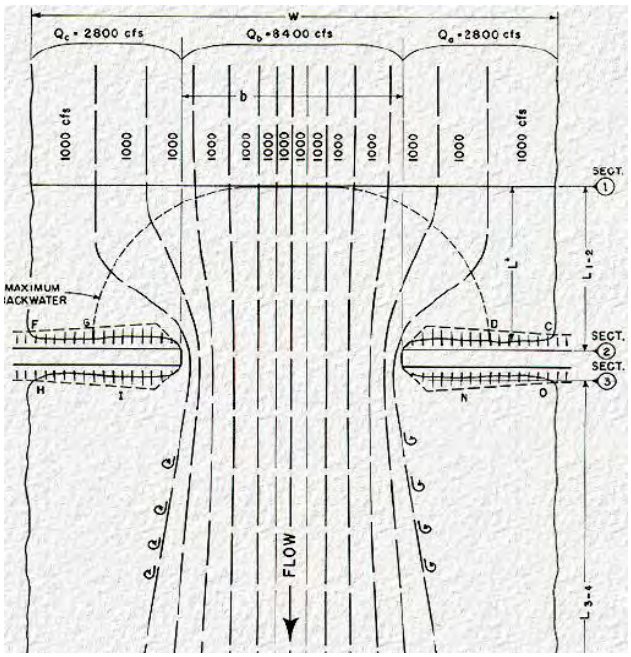
Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Cables Bridge - Stage 2 (RL 21.49 - 23.68 mAHD)

Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

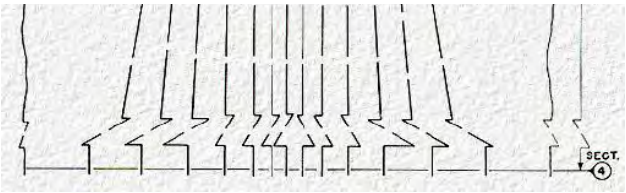
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	25.7	m^3/s
Unimpeded Flow=	30.88	m^3/s
M =	**0.83**	

where:	(Bridge)	(Unimpeded)
A=	48.95	67.53
P=	27.51	43.98
n=	0.035	0.035
S=	0.0001	0.0001



Abutment Type = 90o Wingwall

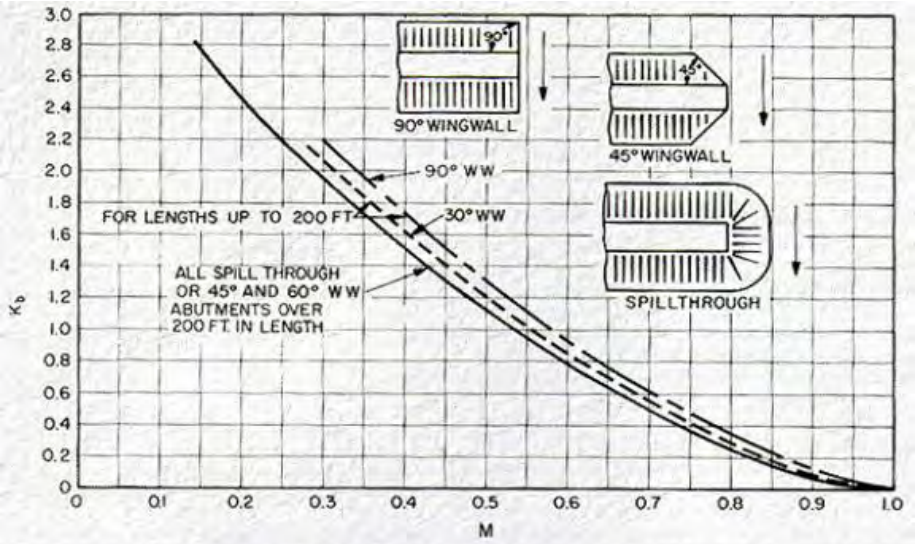


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = 0.29

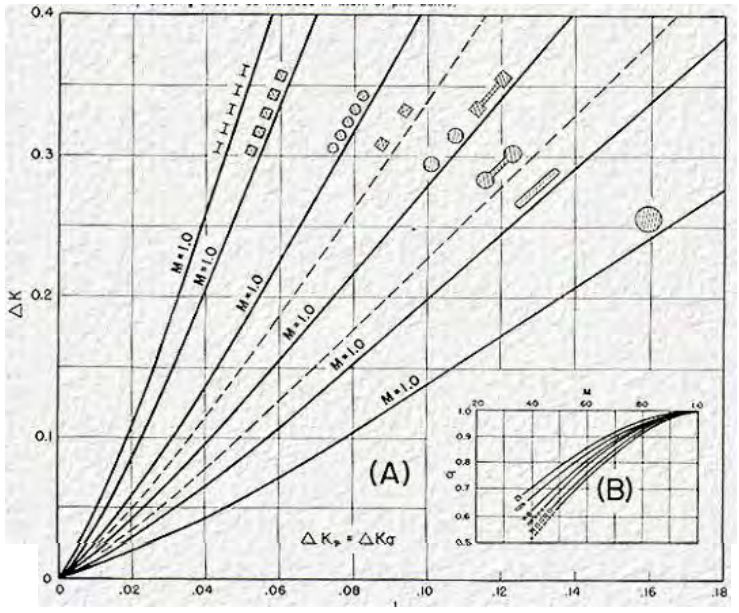
K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

$J = A_p / A_{n3}$

A_p =	2.52	m^2
A_{n2} =	48.95	m^2

J = 0.051480051
J = 5%



Pier Type: Single Rectangular Pier

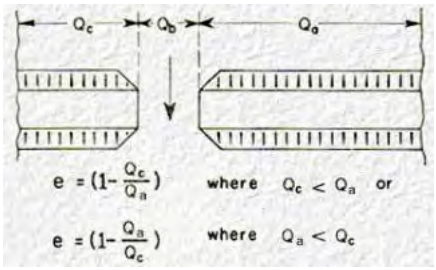
σ = 0.96

ΔK = 0.09

$K_p = \sigma \Delta K$

K_p = 0.09

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

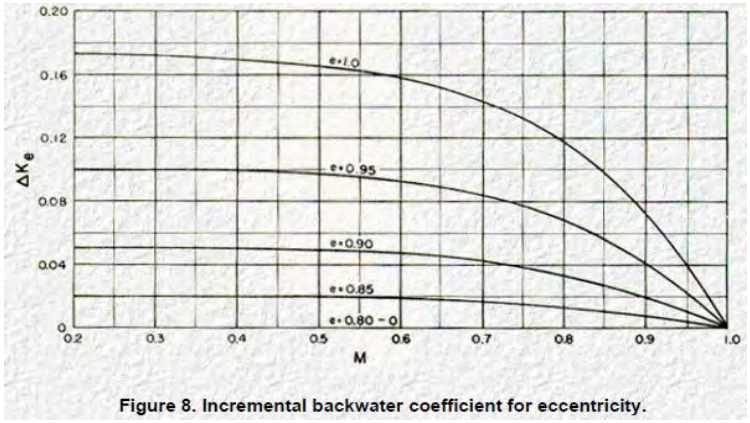
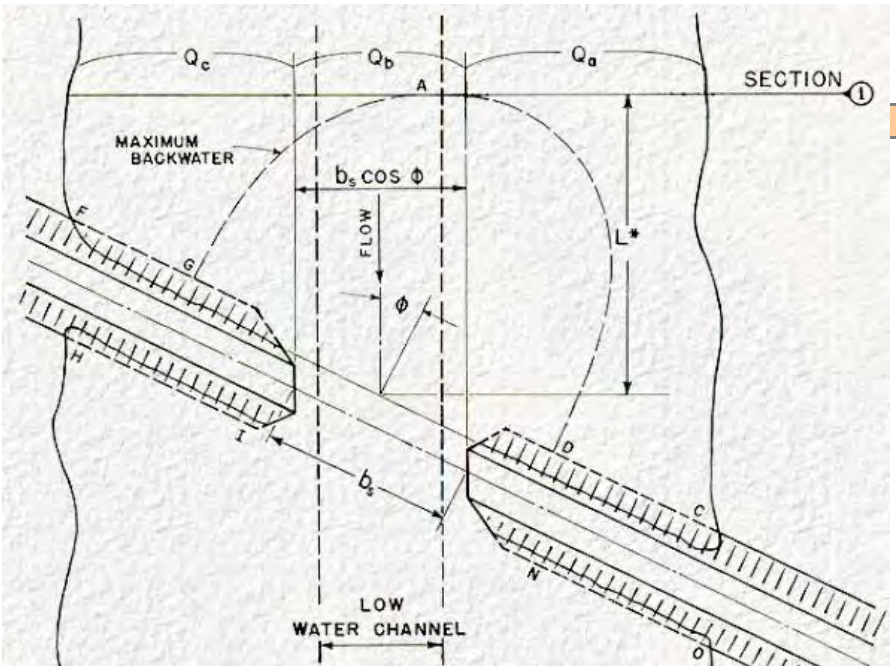


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

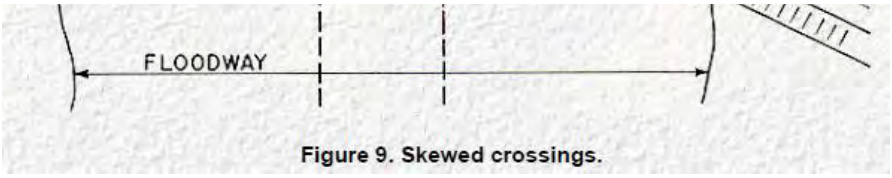


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

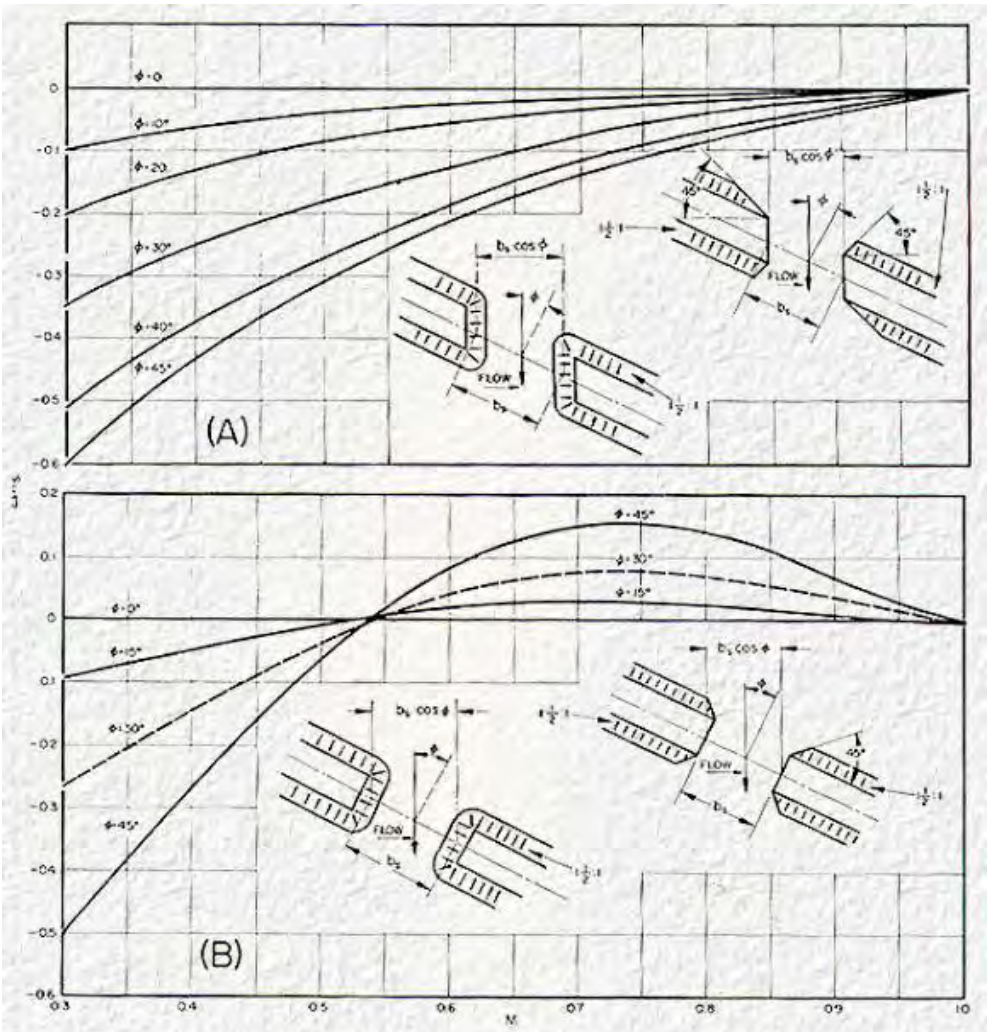


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

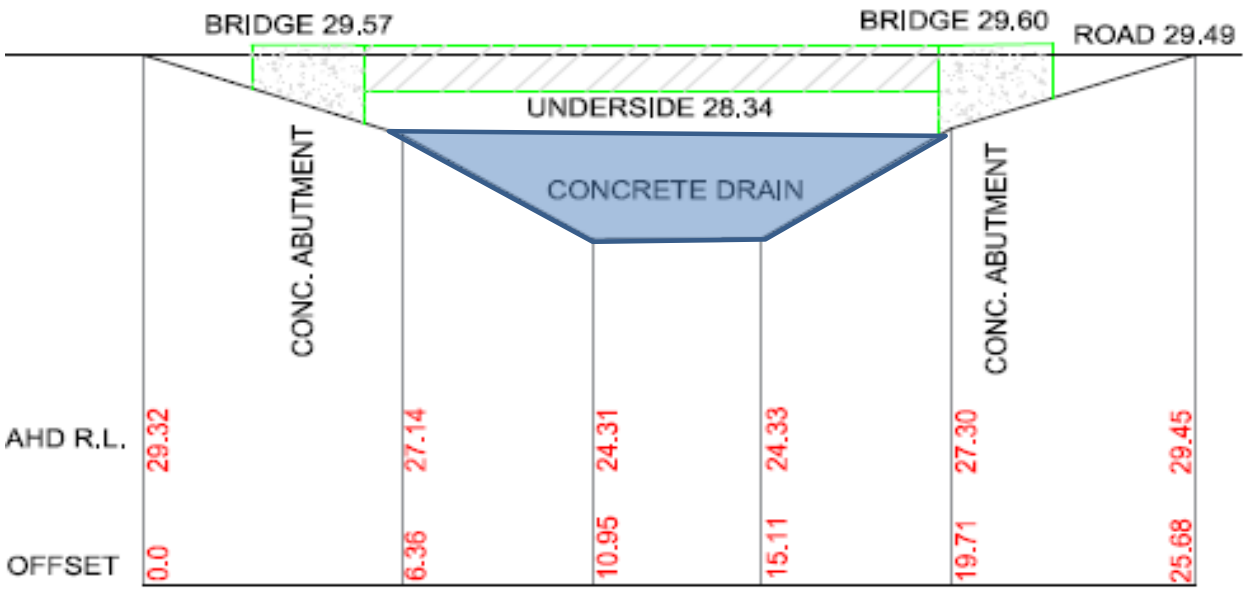
K^* = 0.37

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Mulgoa Road Bridge - Stage 1 (RL 24.31 - 27.3 mAHD)

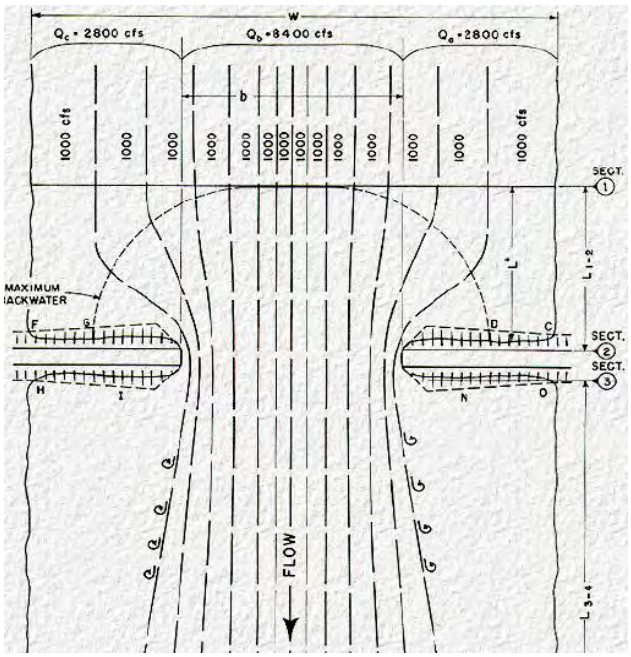


Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

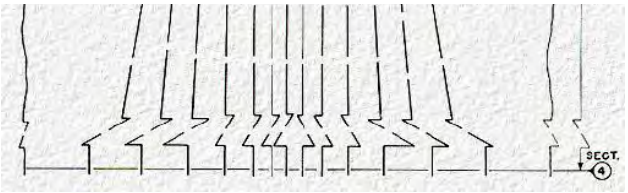
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	244.57	m^3/s
Unimpeded Flow=	244.57	m^3/s
M =	**1.00**	

where:	(Bridge)	(Unimpeded)
A=	26.18	26.18
P=	15.13	15.13
n=	0.013	0.013
S=	0.007076	0.007



Abutment Type = 90o Wingwall

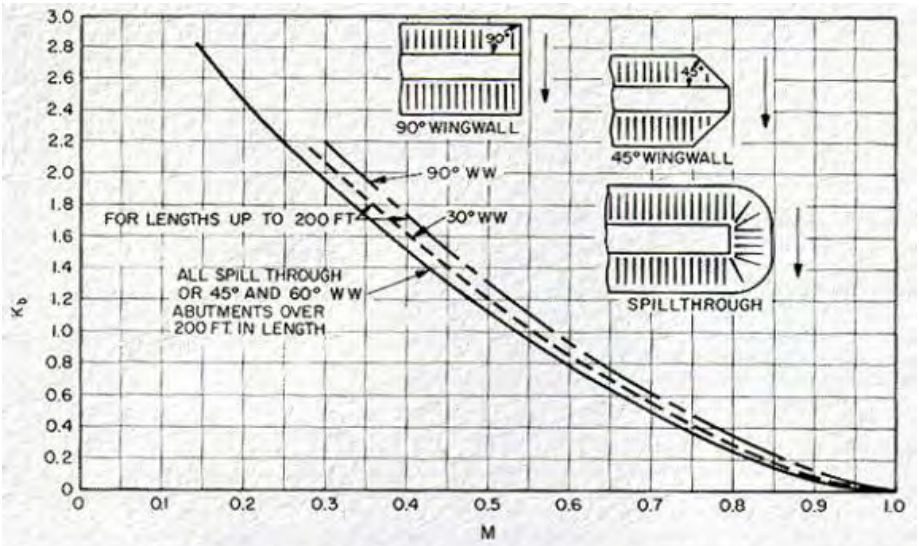


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = 0.00

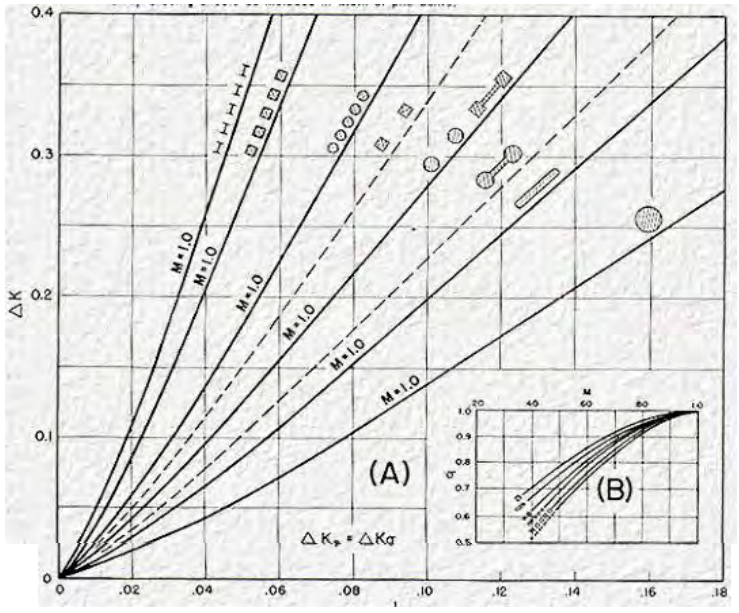
K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

$J = A_p / A_{n3}$

A_p =	0	m^2
A_{n2} =	26.18	m^2

J = 0
J = 0%



Pier Type: Single Rectangular Pier

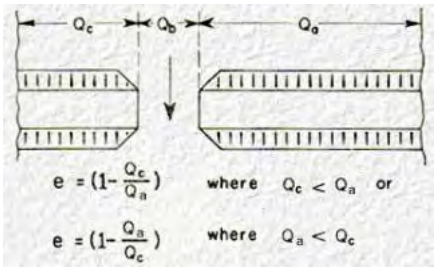
σ = 1.00

ΔK = 0.00

$K_p = \sigma\Delta K$

K_p = 0.00

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

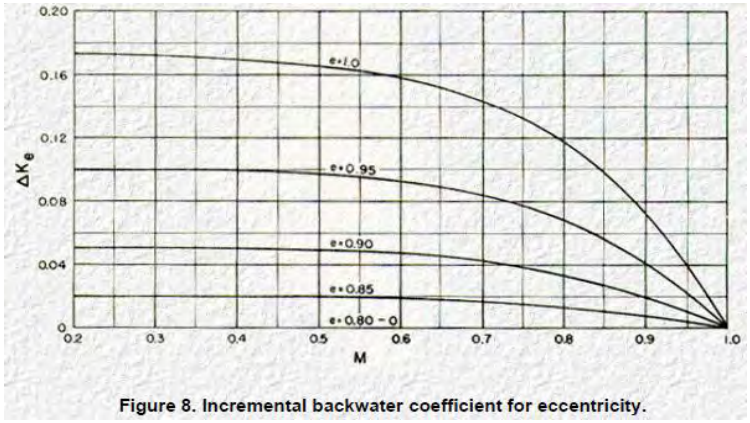
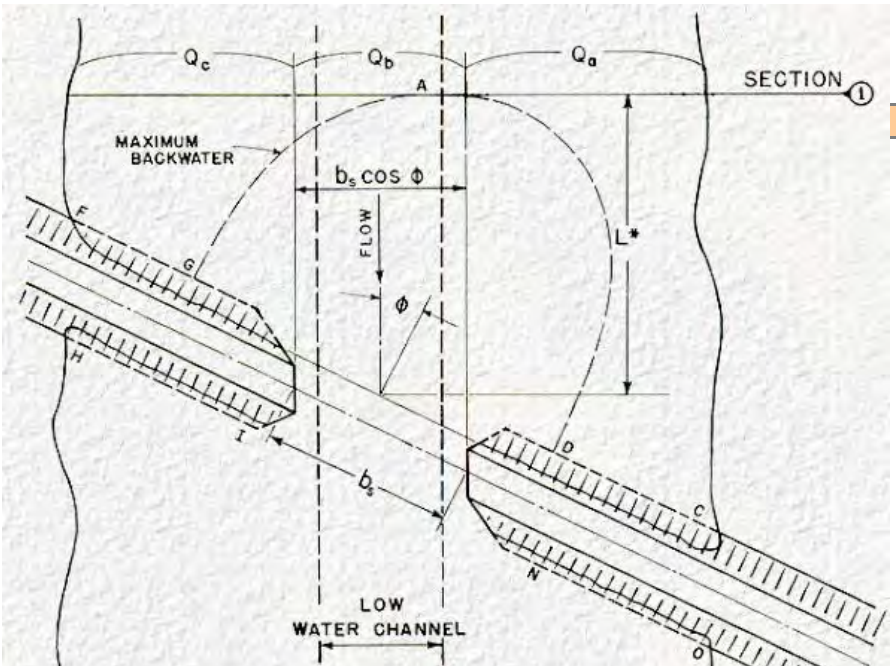


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

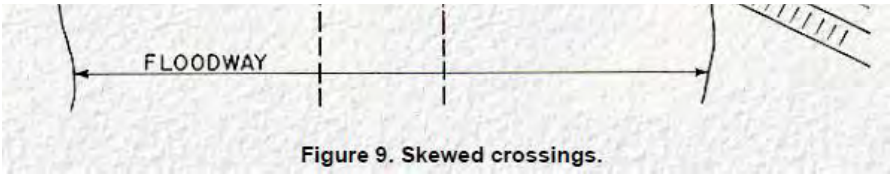


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

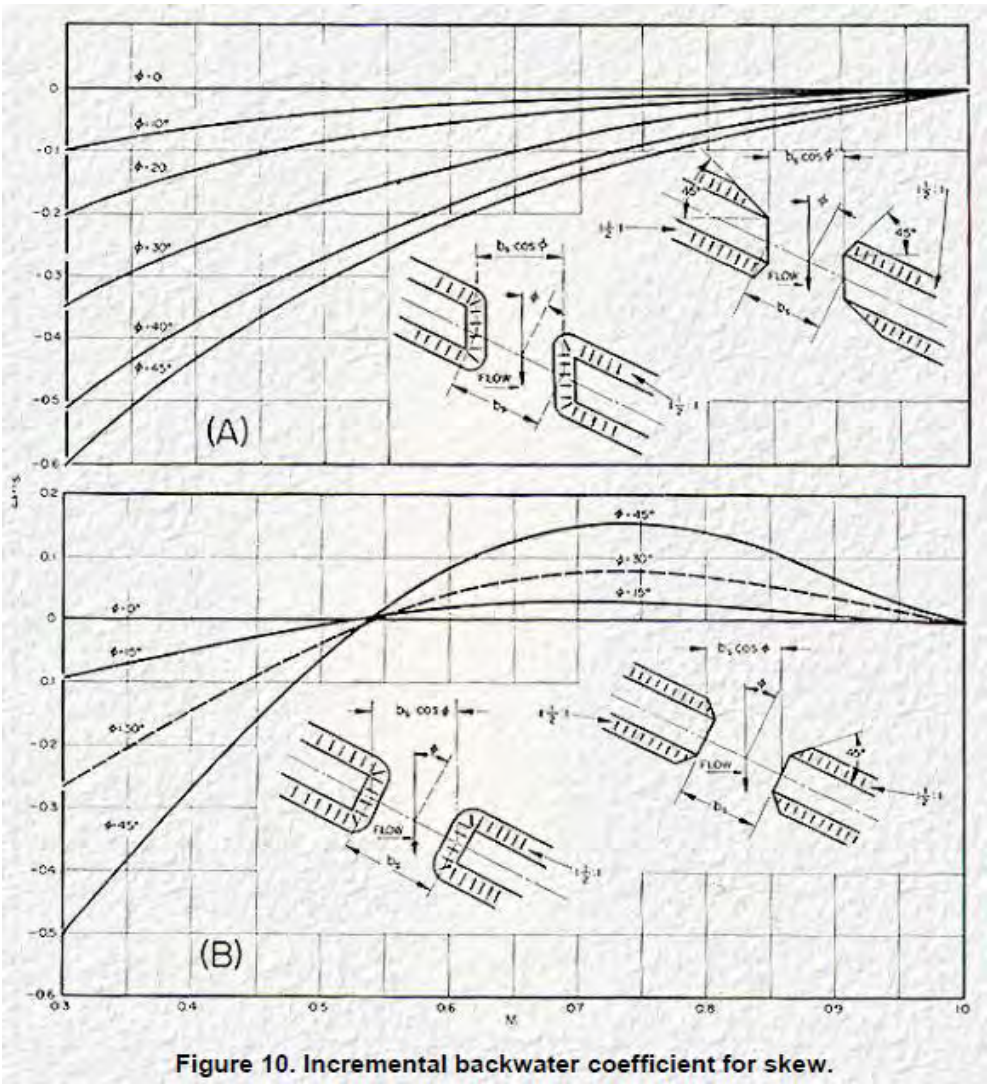


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

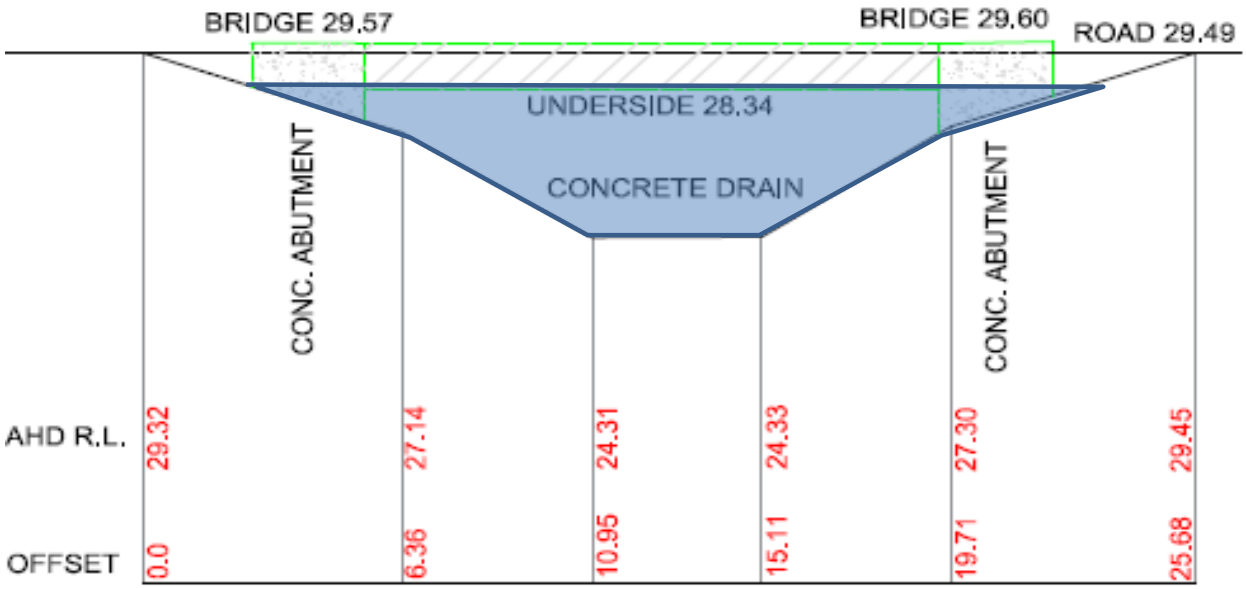
K^* = 0.00

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Mulgoa Road Bridge - Stage 2 (RL 24.31 - 28.33 mAHD)

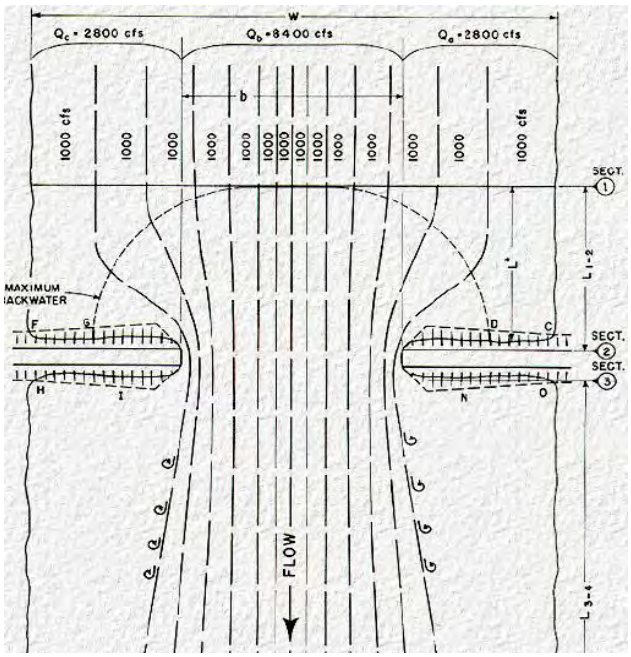


Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

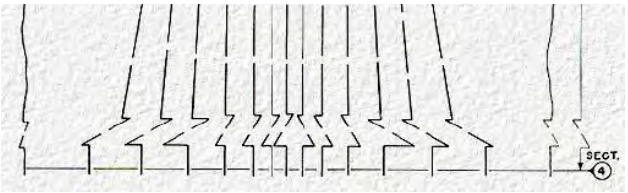
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	453.94	m^3/s
Unimpeded Flow=	524.06	m^3/s
M =	**0.87**	

where:	(Bridge)	(Unimpeded)
A=	39.93	52.63
P=	17.19	27.64
n=	0.013	0.02
S=	0.007076	0.007



Abutment Type = 90o Wingwall

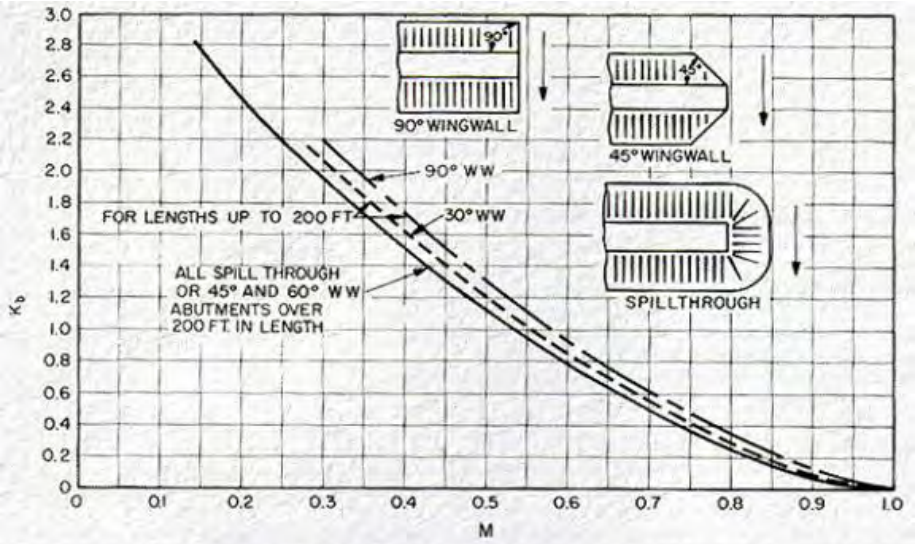


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = **0.22**

K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

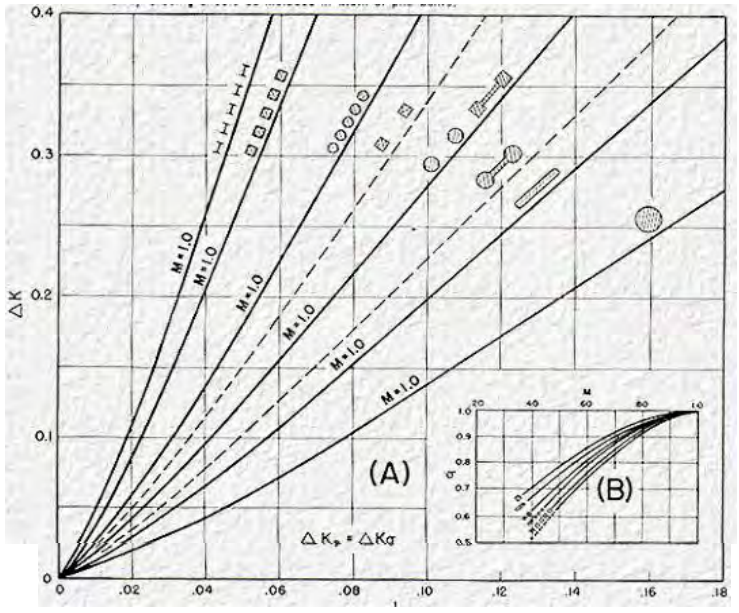
$J = A_p / A_{n3}$

A_p = 0 m^2

A_{n2} = 39.93 m^2

J = 0

J = 0%



Pier Type: Single Rectangular Pier

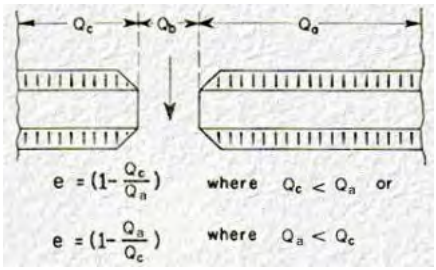
σ = 0.97

ΔK = 0.00

$K_p = \sigma\Delta K$

K_p = 0.00

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

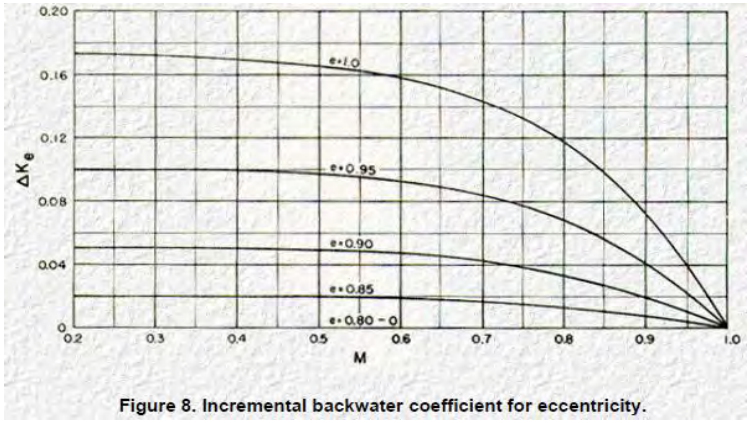
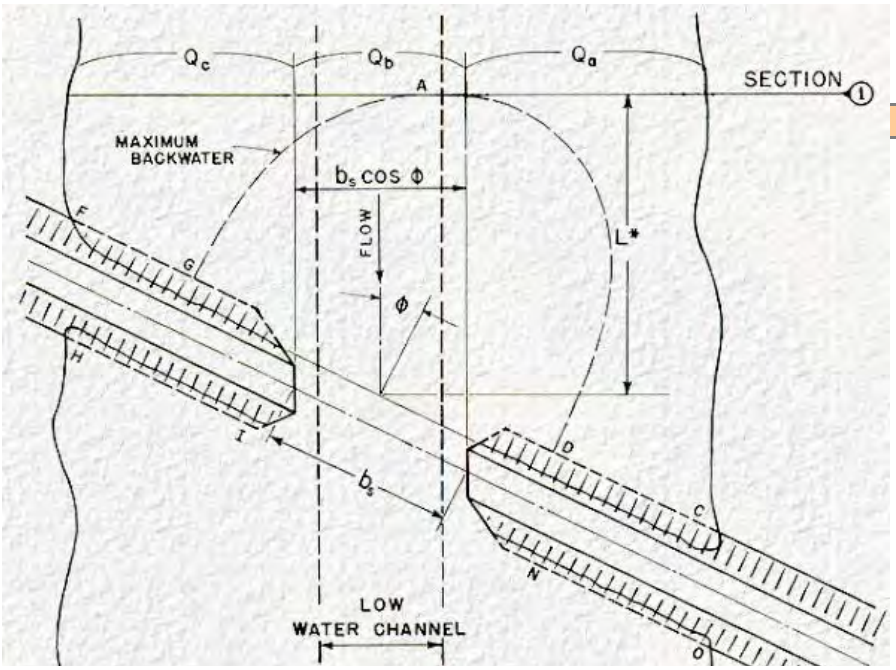


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

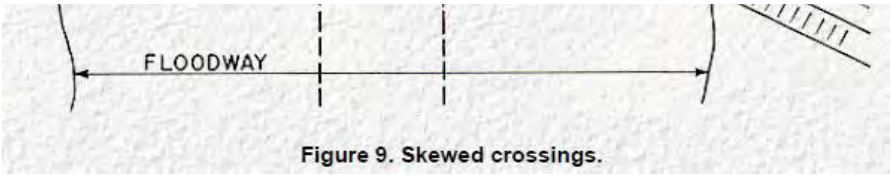


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

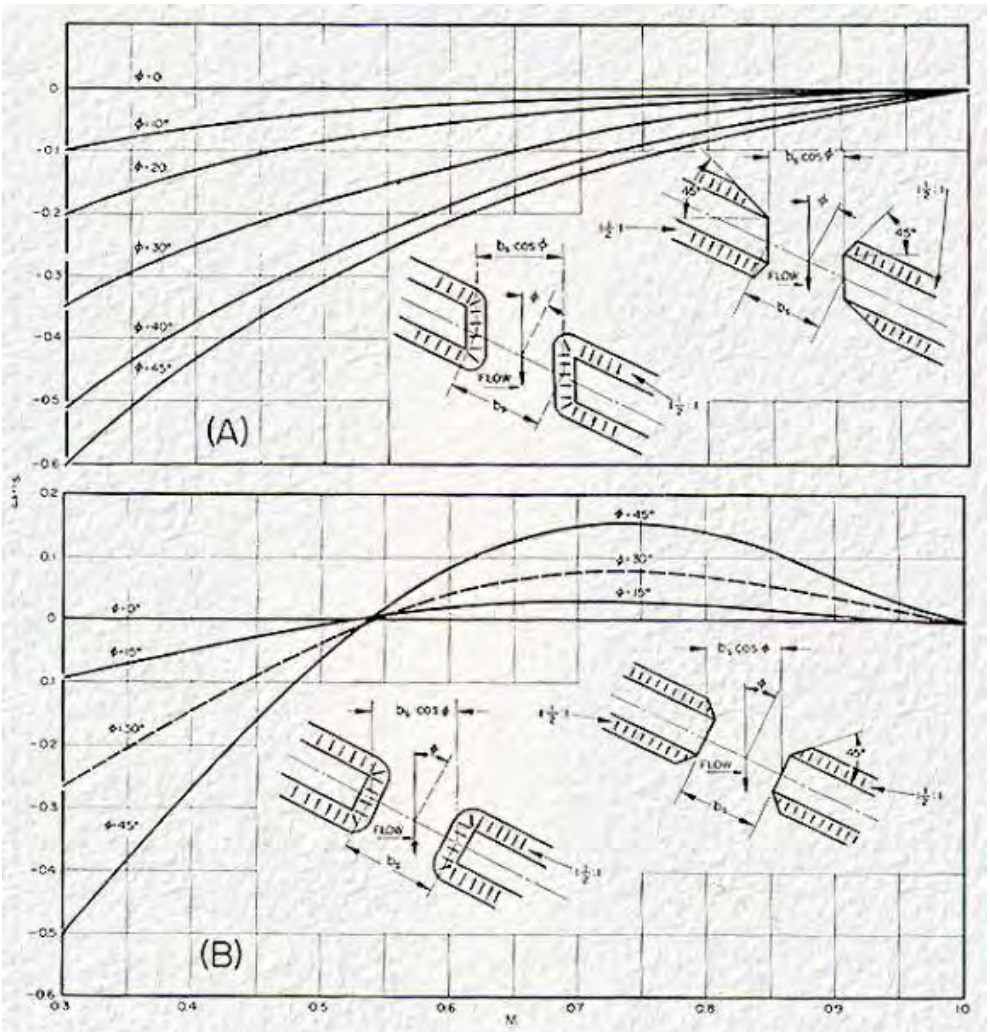


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

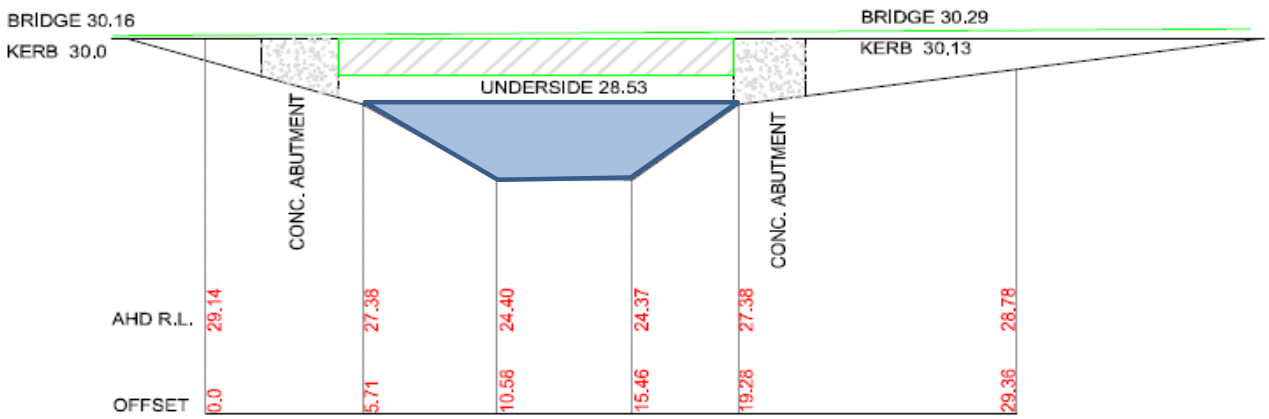
K^* = 0.22

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Mulgoa Footbridge - Stage 1 (RL 24.37 - 27.38 mAHD)

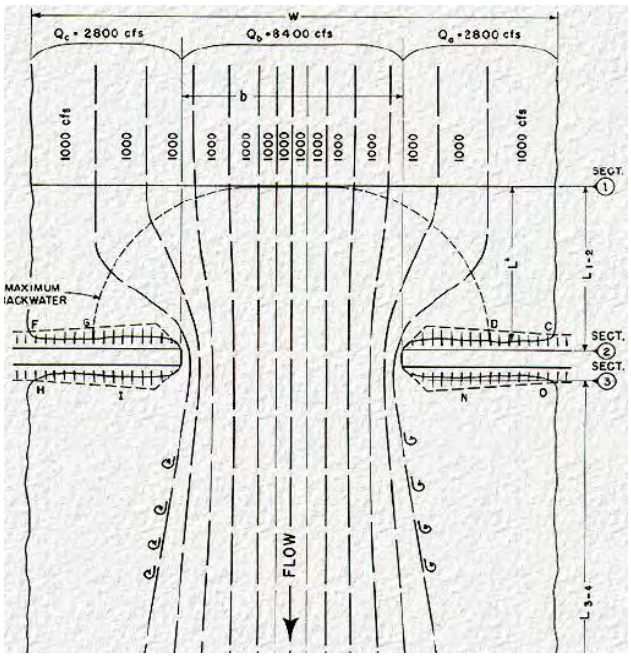


Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

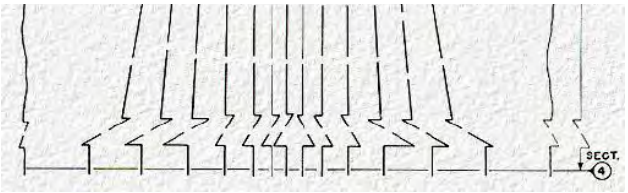
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	32.34	m^3/s
Unimpeded Flow=	32.34	m^3/s
M =	**1.00**	

where:	(Bridge)	(Unimpeded)
A=	27.77	27.77
P=	14.91	14.91
n=	0.013	0.013
S=	0.0001	0.000



Abutment Type = 90o Wingwall

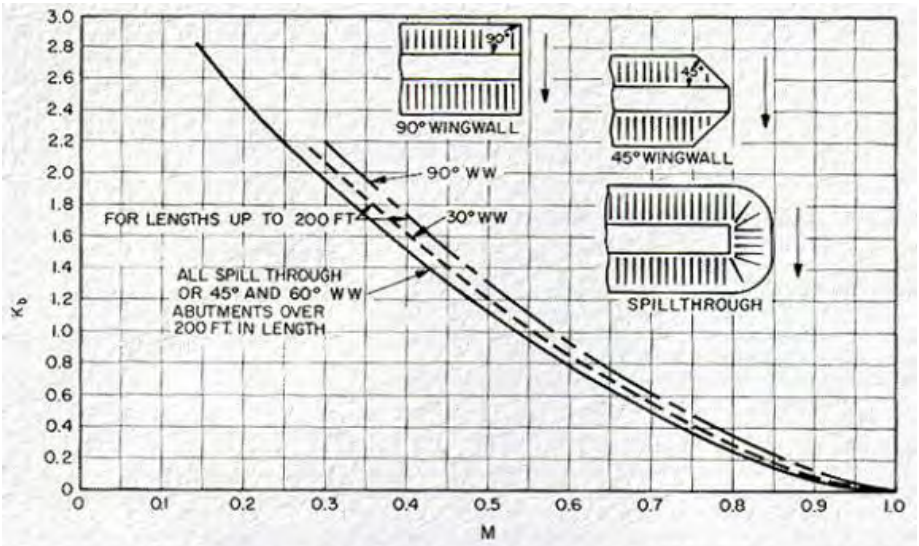


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = **0.00**

K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

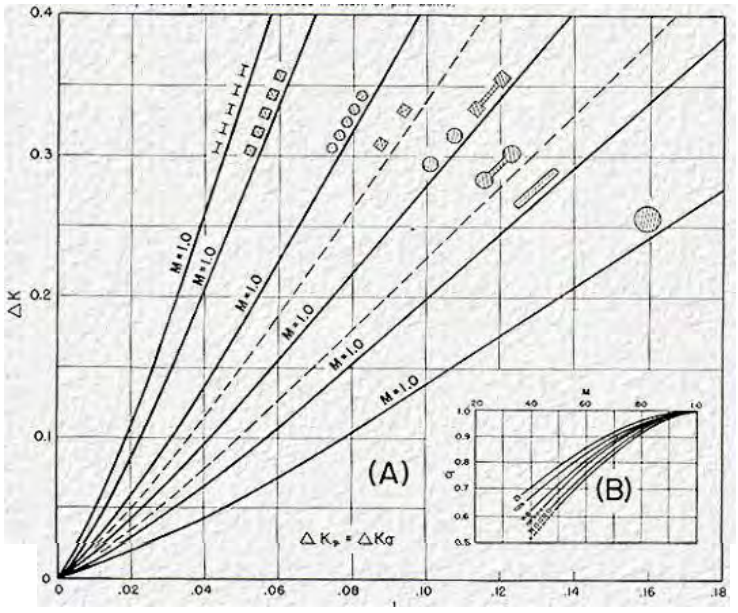
$J = A_p / A_{n3}$

A_p = 0 m^2

A_{n2} = 27.77 m^2

J = 0

J = 0%



Pier Type: Single Rectangular Pier

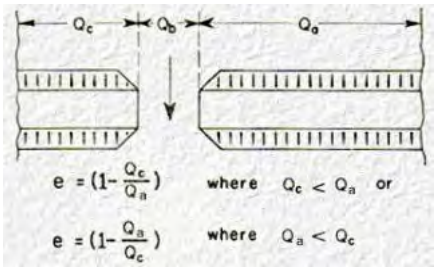
σ = 1.00

ΔK = 0.00

$K_p = \sigma\Delta K$

K_p = 0.00

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

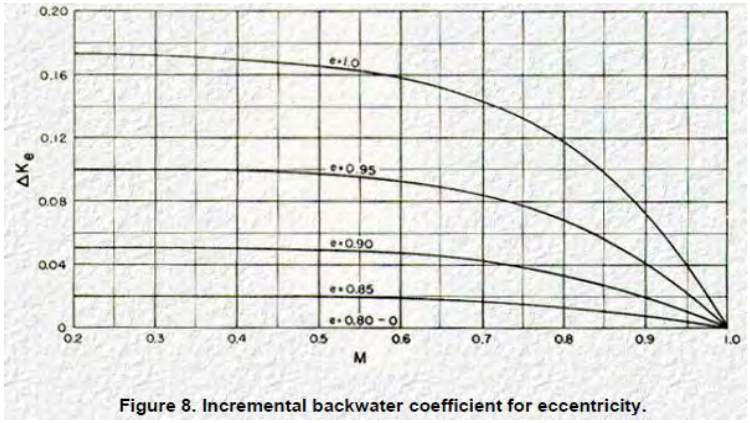
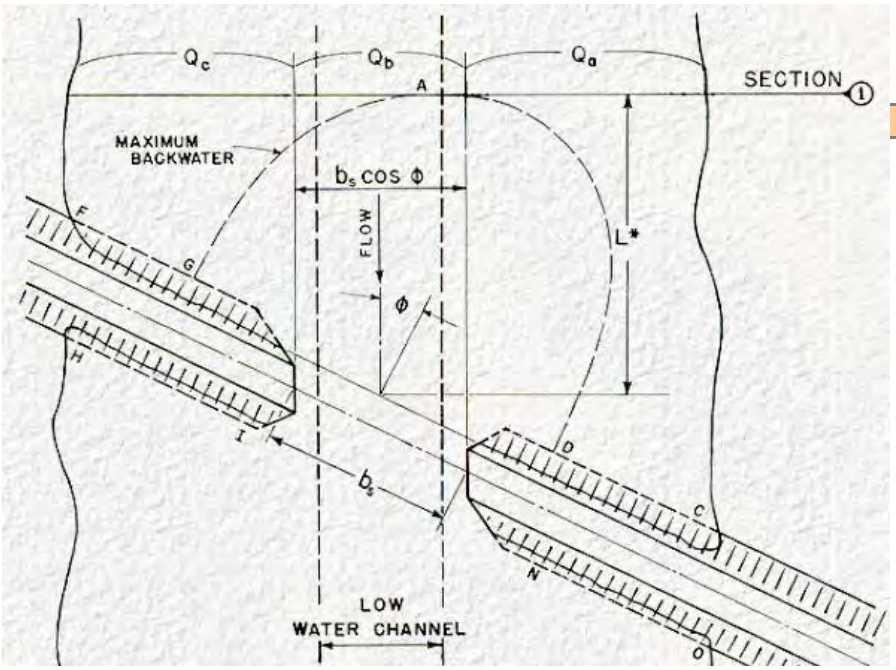


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

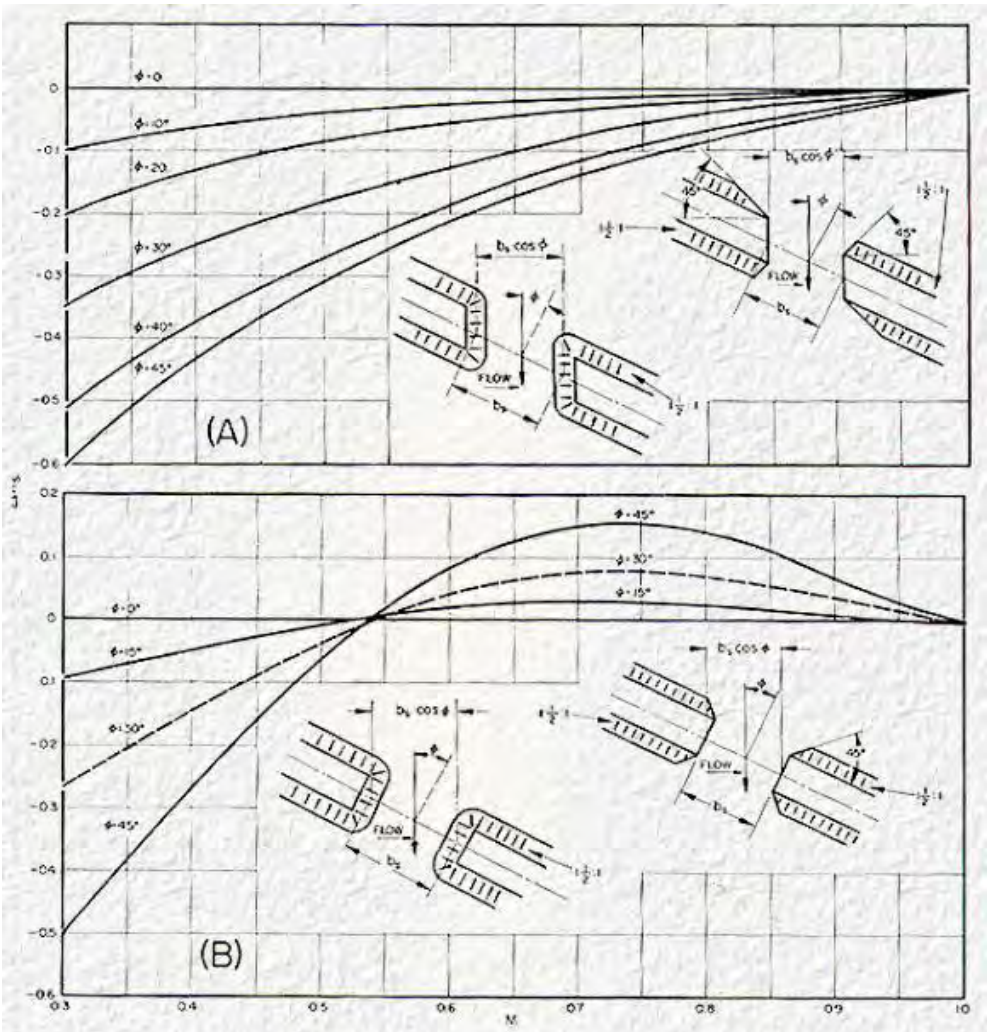


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

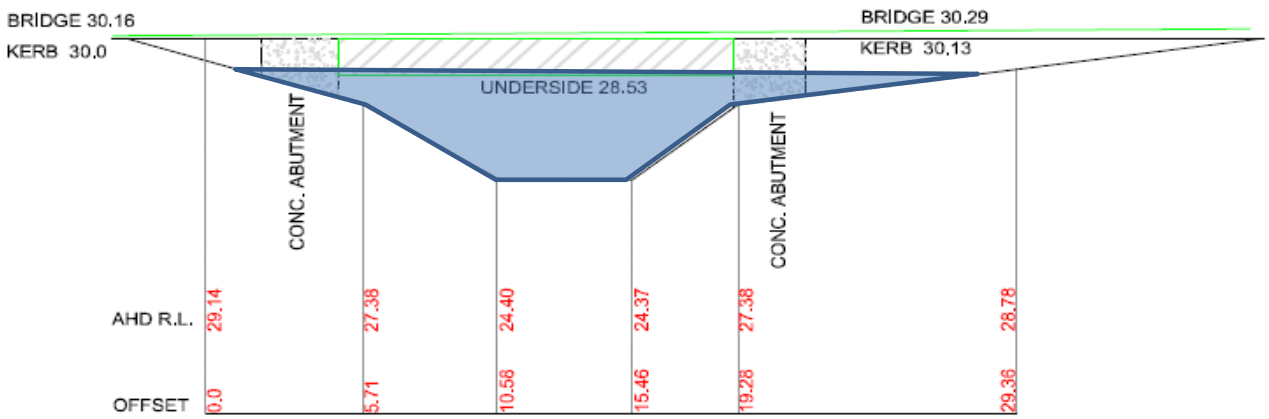
K^* = 0.00

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Mulgoa Footbridge - Stage 2 (RL 24.37 - 28.53 mAHD)

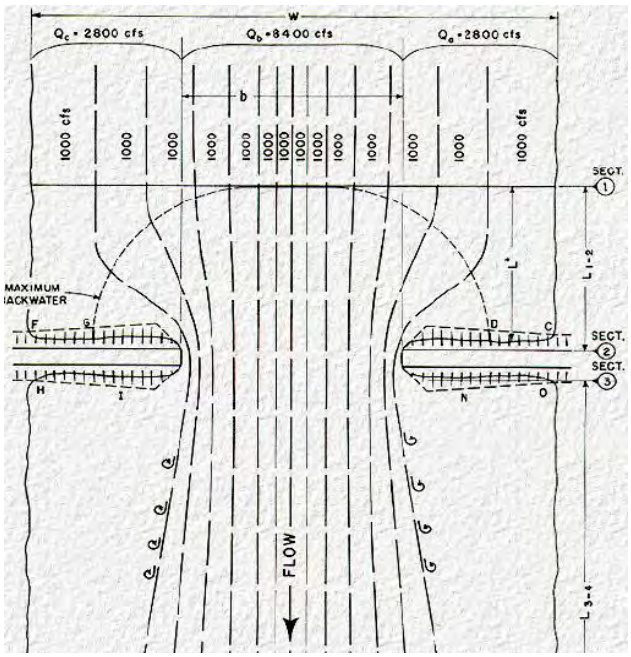


Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

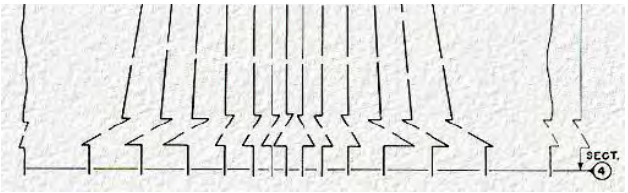
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	57.97	m^3/s
Unimpeded Flow=	81.92	m^3/s
M =	**0.71**	

where:	(Bridge)	(Unimpeded)
A=	44.17	51.37
P=	17.21	28.91
n=	0.013	0.013
S=	0.0001	0.000



Abutment Type = 90o Wingwall

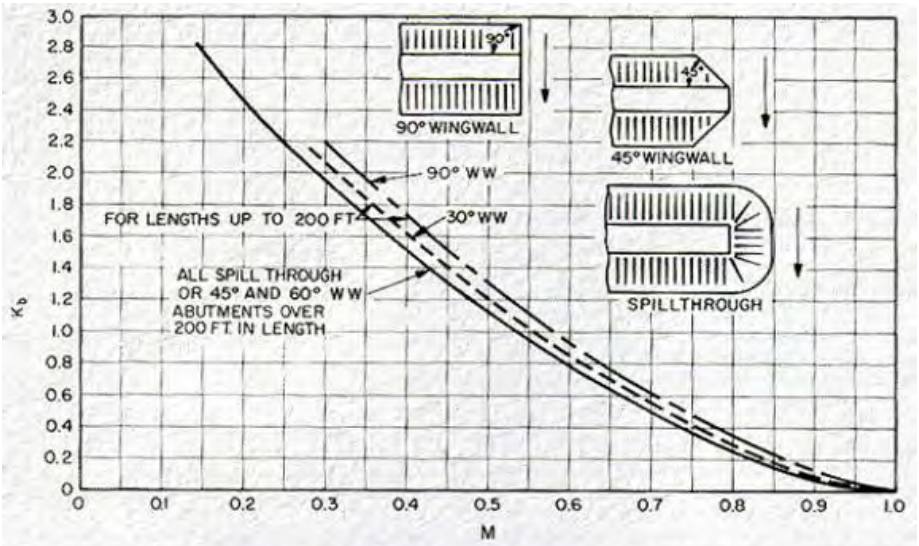


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = **0.61**

K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

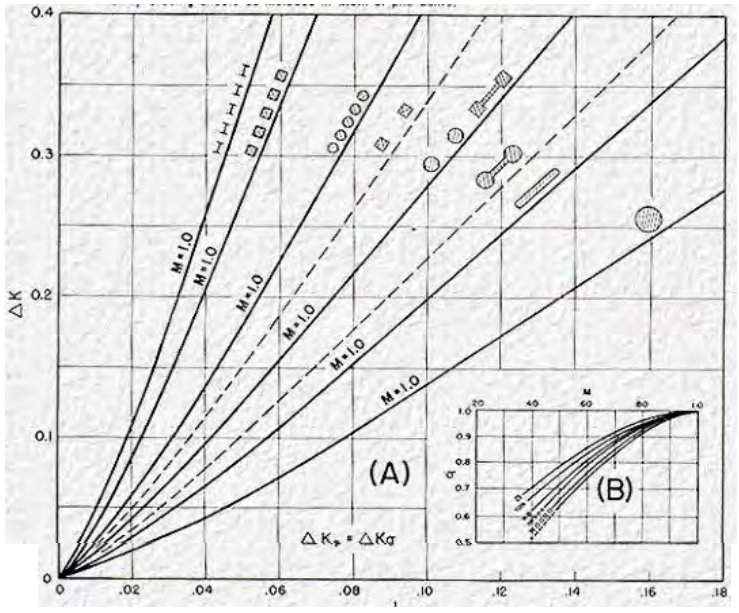
$J = A_p / A_{n3}$

A_p = 0 m^2

A_{n2} = 51.37 m^2

J = 0

J = 0%



Pier Type: Single Rectangular Pier

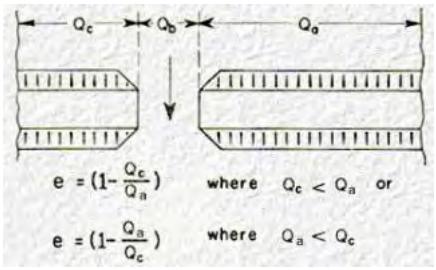
σ = 0.89

ΔK = 0.00

$K_p = \sigma\Delta K$

K_p = 0.00

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

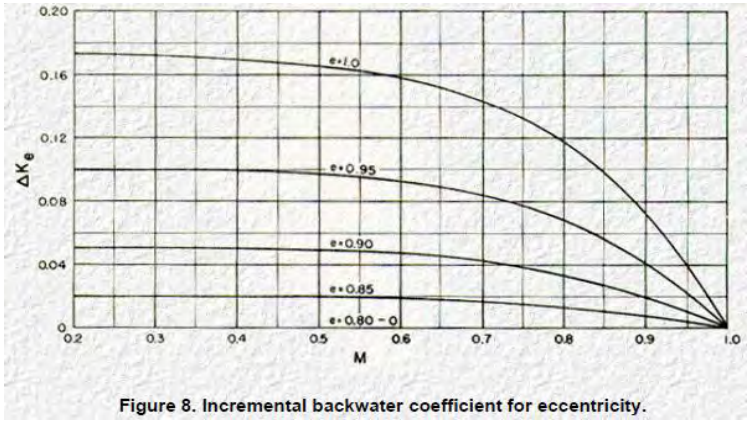
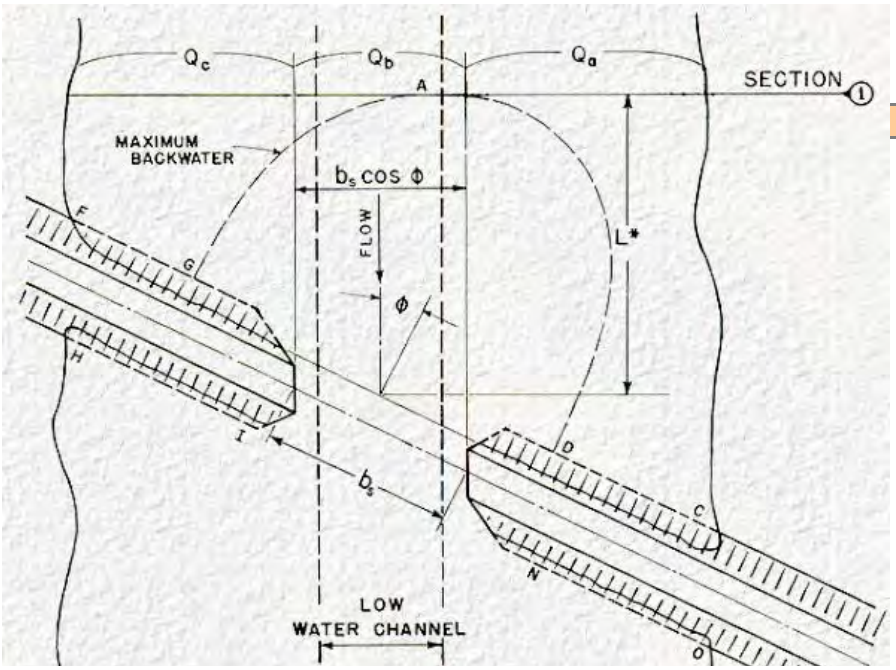


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

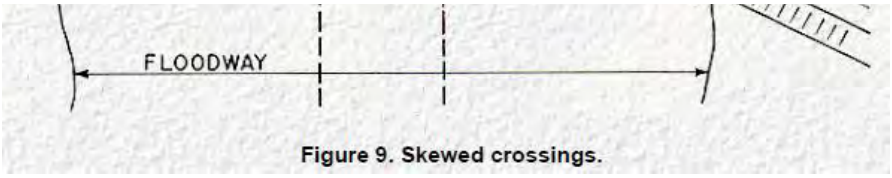


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

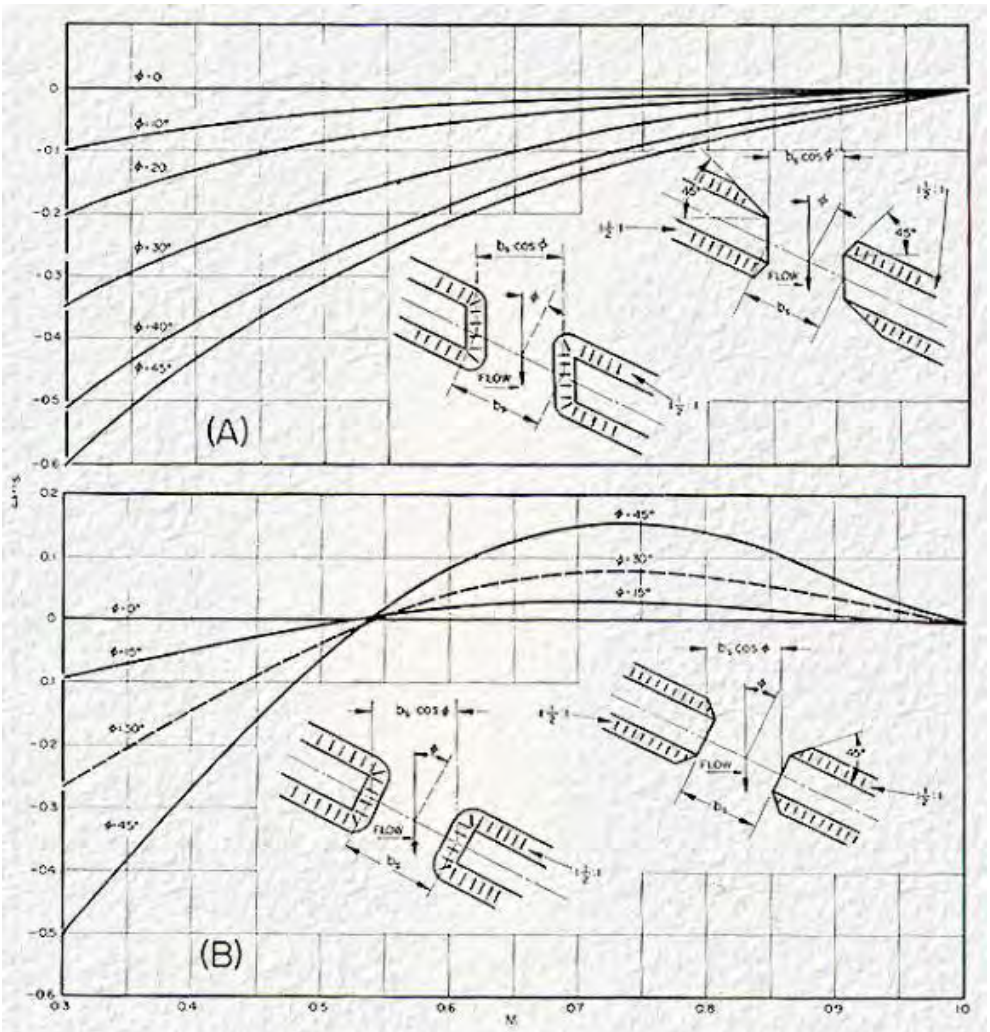


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

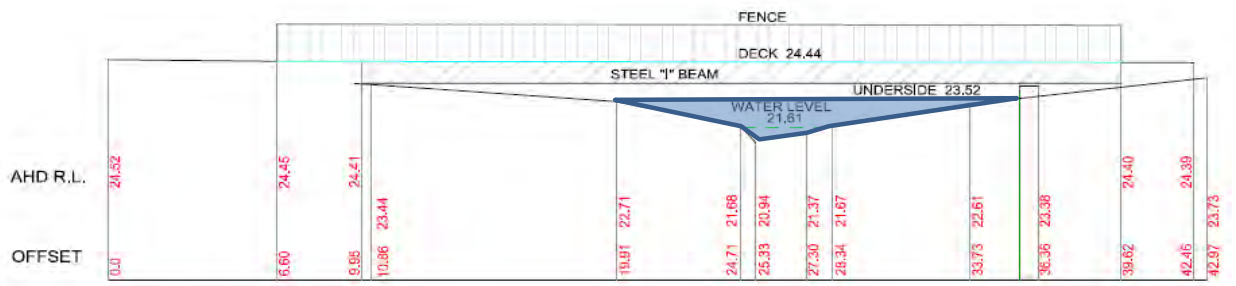
K^* = 0.61

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Jamison Footbridge - Stage 1 (RL 20.94 - 22.71 mAHD)

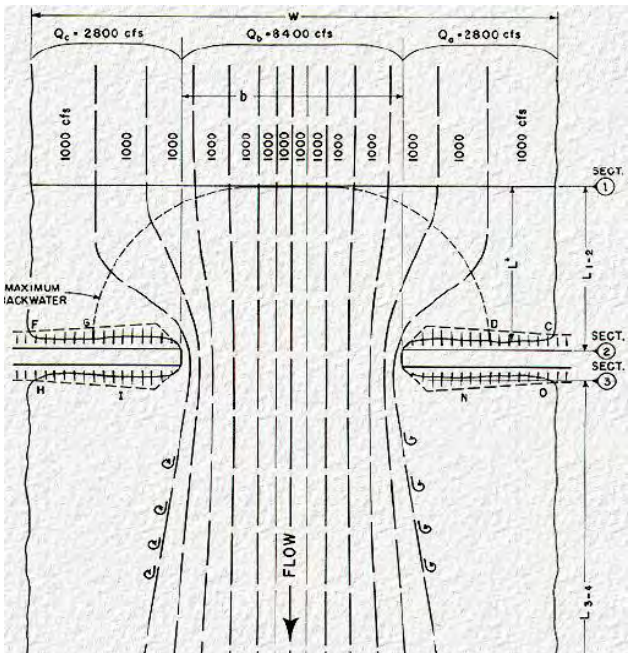


Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

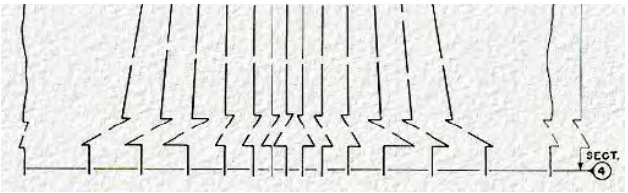
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	97.13	m^3/s
Unimpeded Flow=	97.13	m^3/s
M =	**1.00**	

where:	(Bridge)	(Unimpeded)
A=	15.54	15.54
P=	16.06	16.06
n=	0.035	0.035
S=	0.05	0.050



Abutment Type = 90o Wingwall

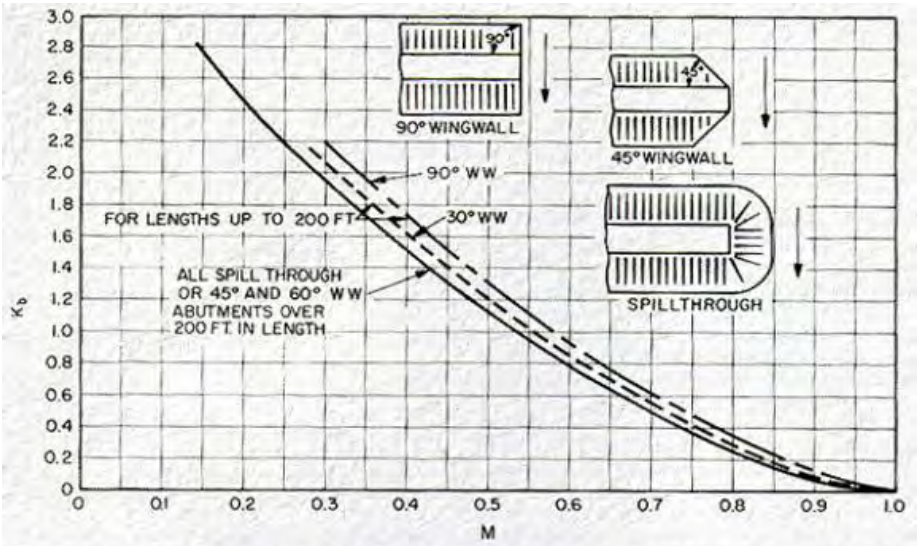


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = 0.00

K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

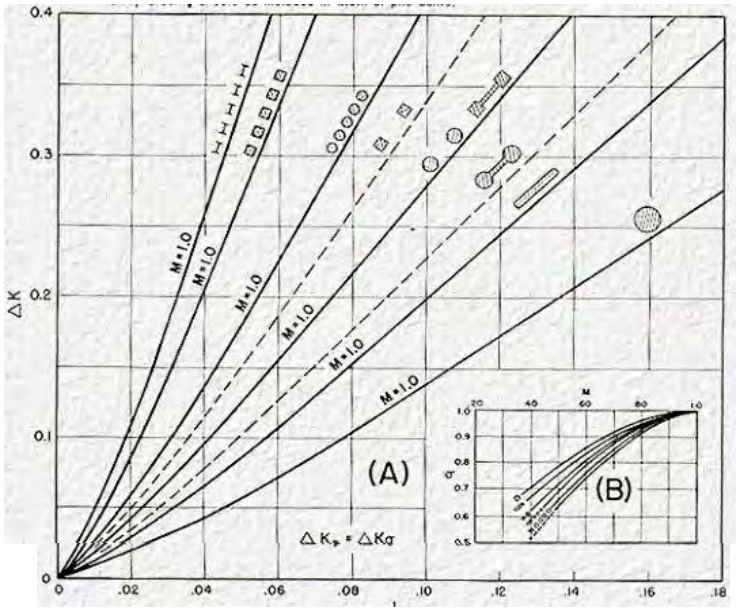
$J = A_p / A_{n3}$

A_p = 0 m^2

A_{n2} = 15.54 m^2

J = 0

J = 0%



Pier Type: Single Rectangular Pier

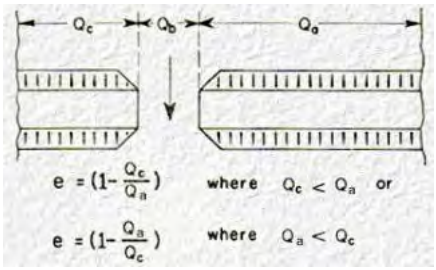
σ = 1.00

ΔK = 0.00

$K_p = \sigma \Delta K$

K_p = 0.00

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

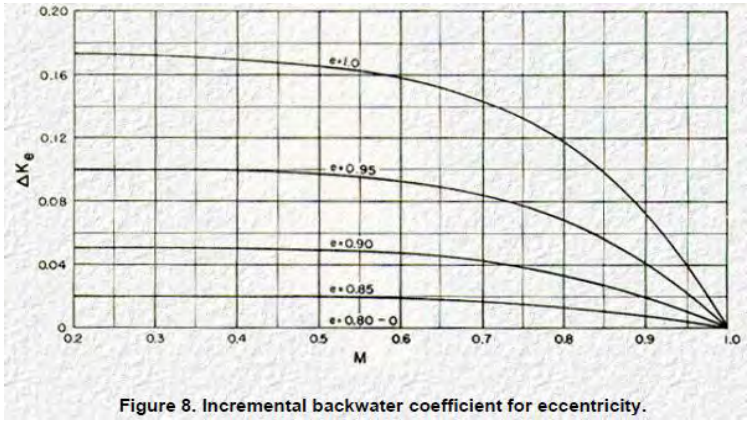
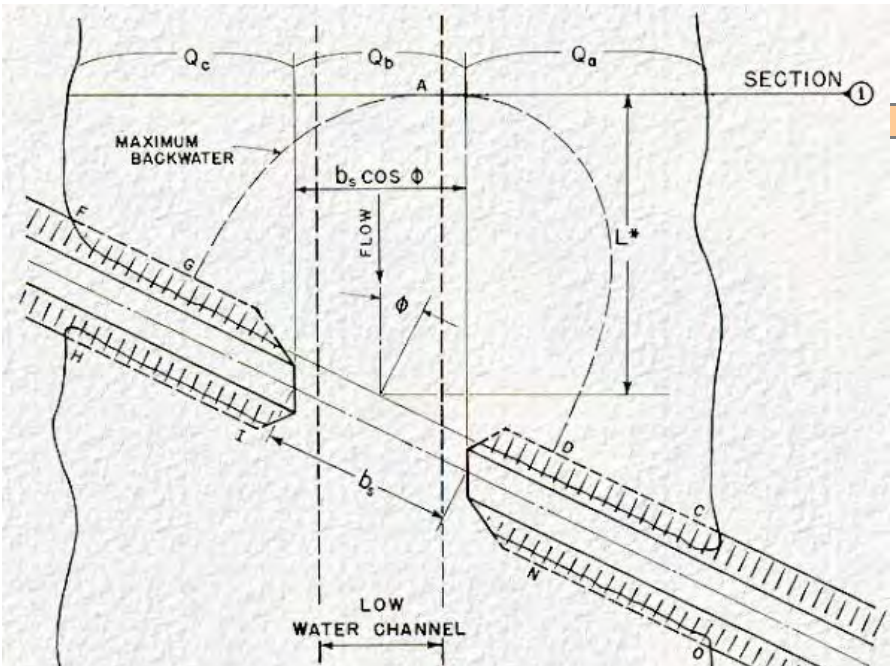


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

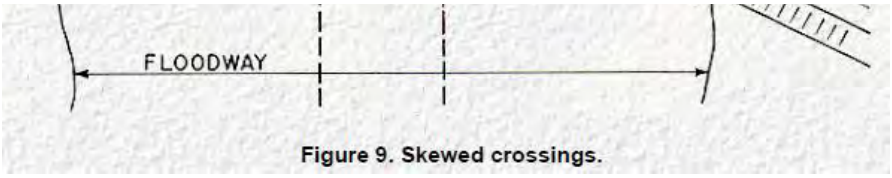


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

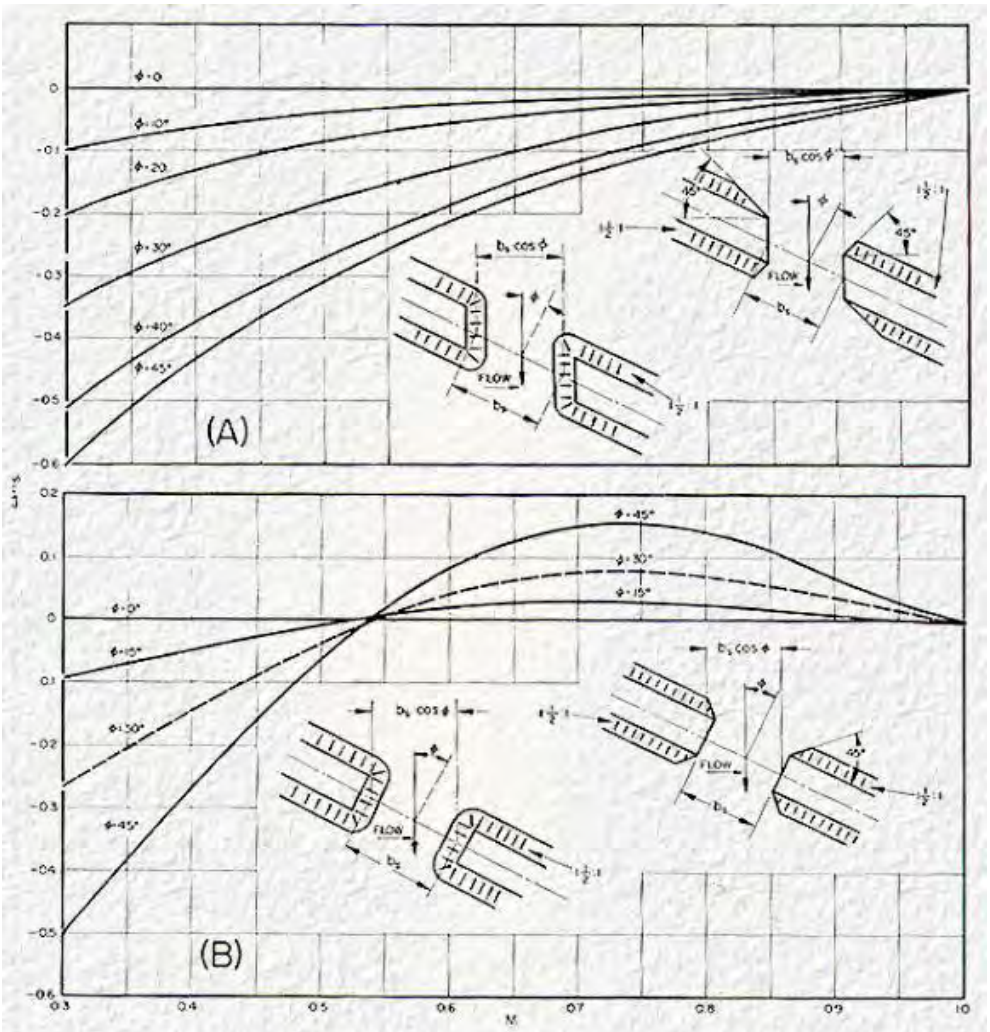


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

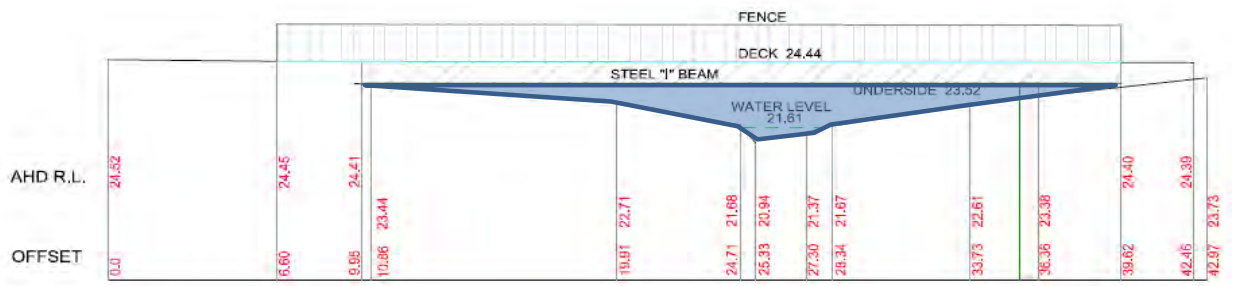
K^* = 0.00

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Jamieson Footbridge - Stage 2 (RL 20.94 - 23.52 mAHD)

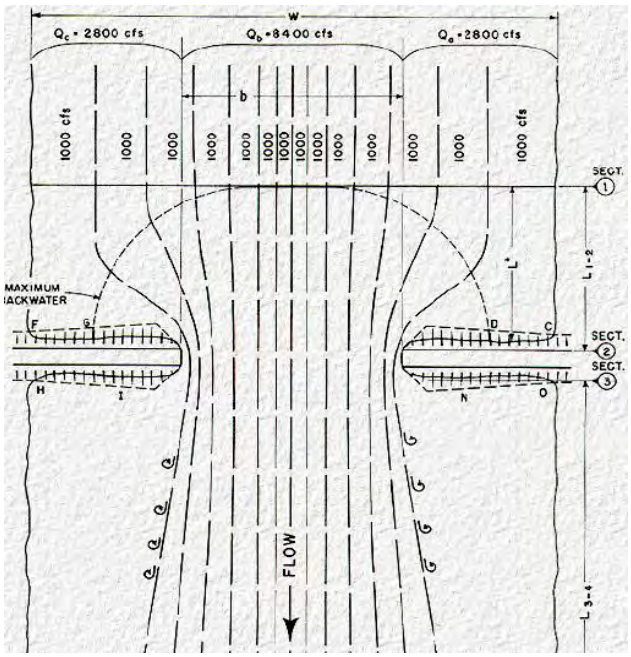


Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

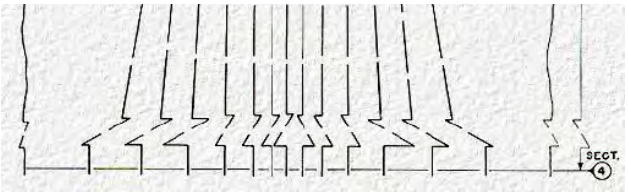
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	113.99	m^3/s
Unimpeded Flow=	107.2	m^3/s
M =	**1.06**	

where:	(Bridge)	(Unimpeded)
A=	20.73	21.24
P=	25.96	30.25
n=	0.035	0.035
S=	0.05	0.050



Abutment Type = 90o Wingwall

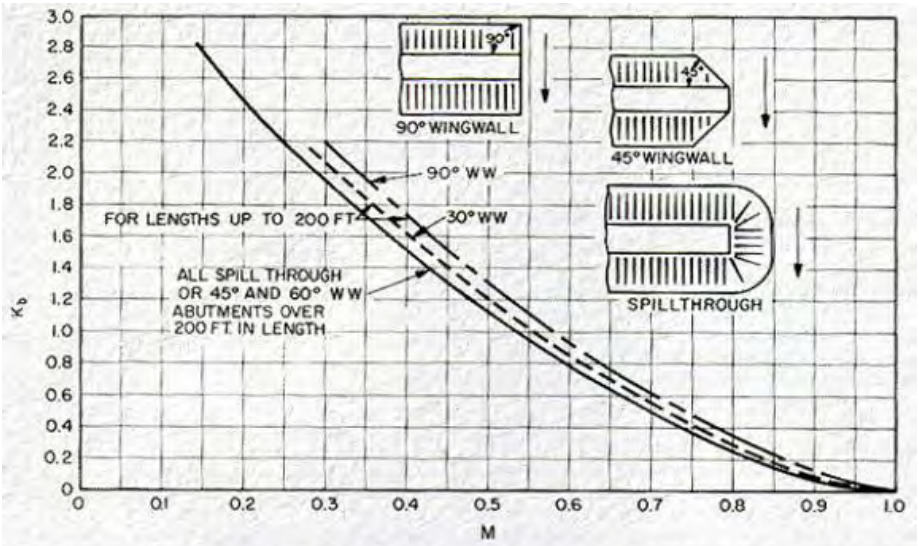


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = **0.00**

K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

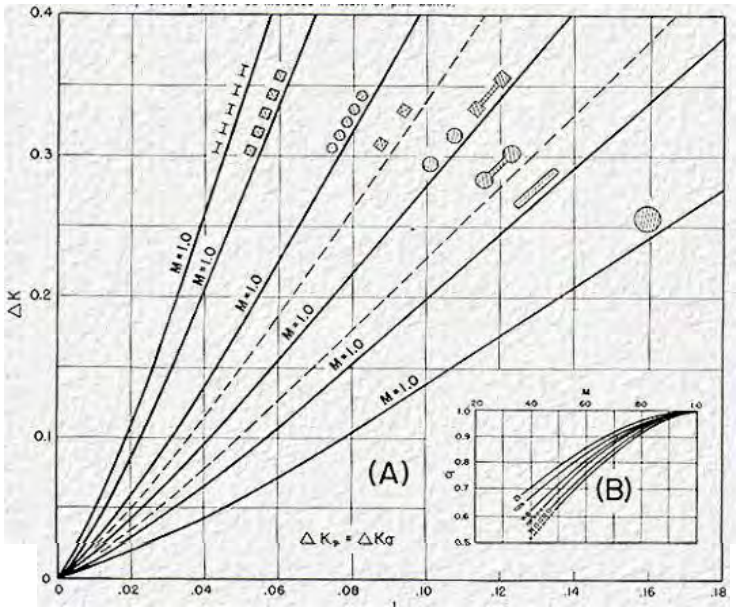
$J = A_p / A_{n3}$

A_p = 0 m^2

A_{n2} = 20.73 m^2

J = 0

J = 0%



Pier Type: Single Rectangular Pier

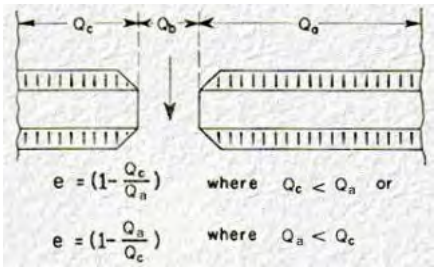
σ = 1.00

ΔK = 0.00

$K_p = \sigma\Delta K$

K_p = 0.00

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

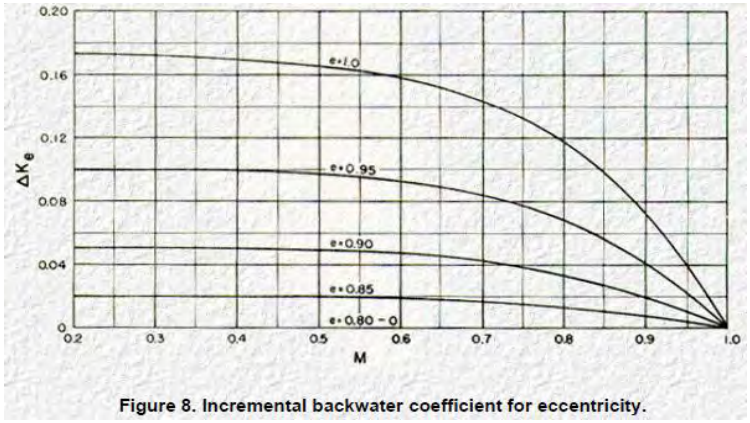
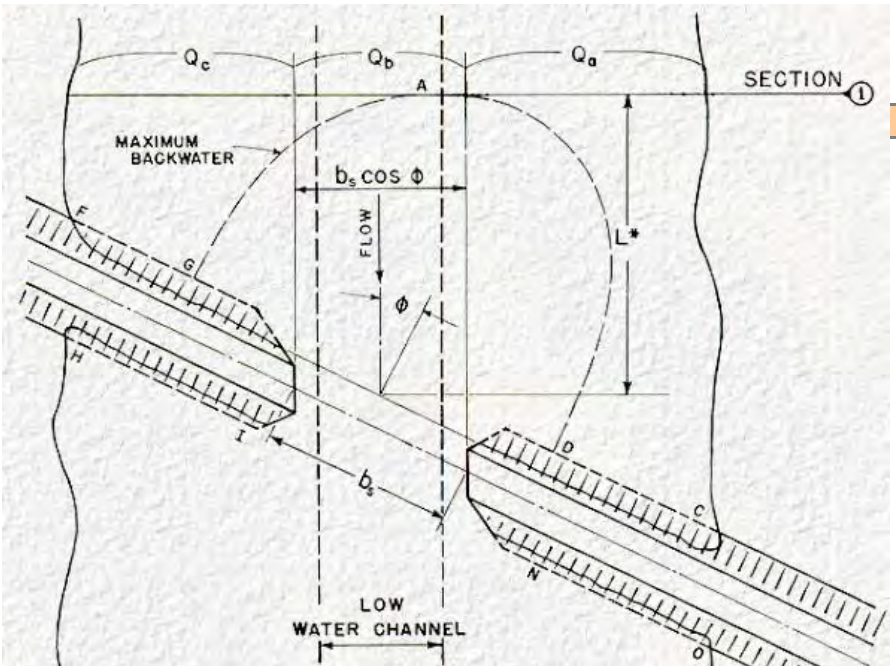


Figure 8. Incremental backwater coefficient for eccentricity.

K_e = 0.00

K_s (Skew Coefficient)



ϕ =	0

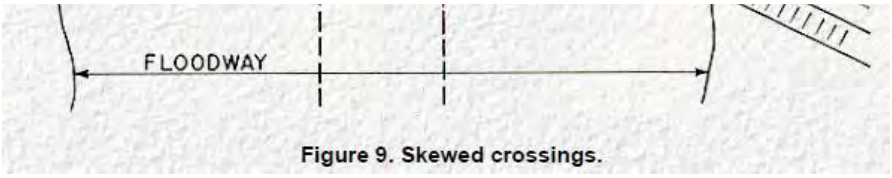


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

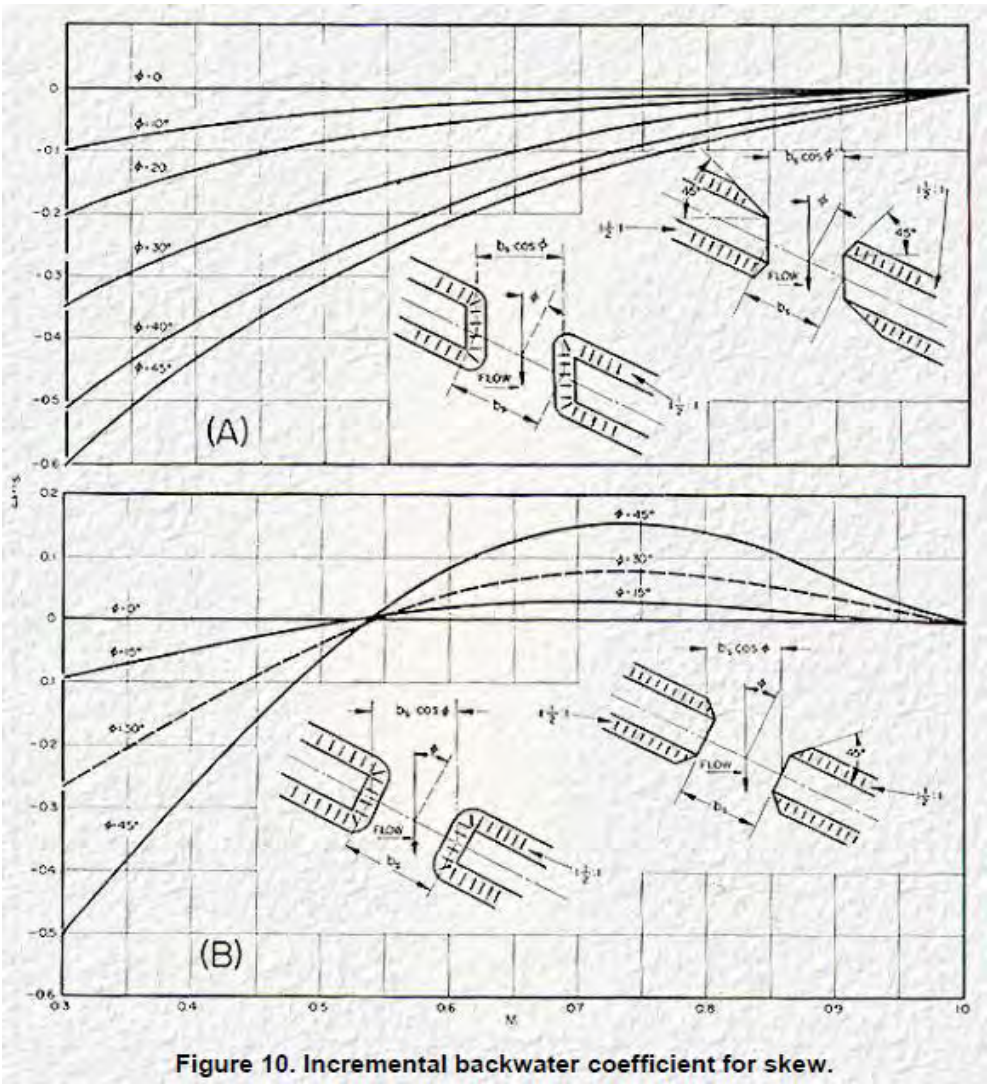


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

K^* = 0.00

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

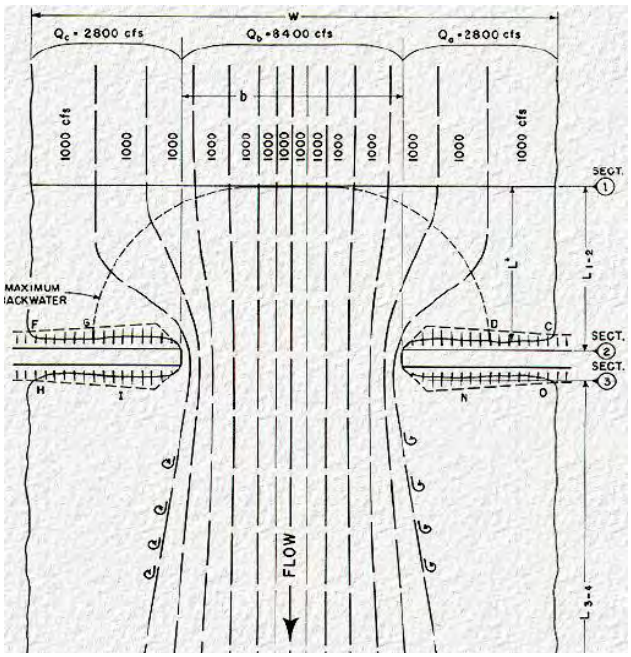
Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
Panthers Footbridge - Stage 2 (RL 21.17 - 23.10 mAHD)

Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

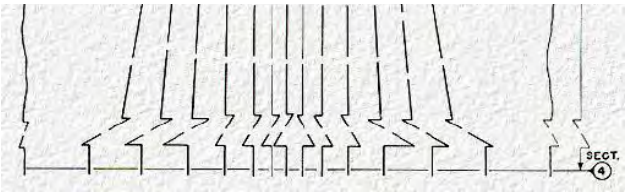
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	17.21	m^3/s
Unimpeded Flow=	17.21	m^3/s
M =	**1.00**	

where:	(Bridge)	(Unimpeded)
A=	39.68	39.68
P=	21.21	21.21
n=	0.035	0.035
S=	0.0001	0.0001



Abutment Type = 90o Wingwall

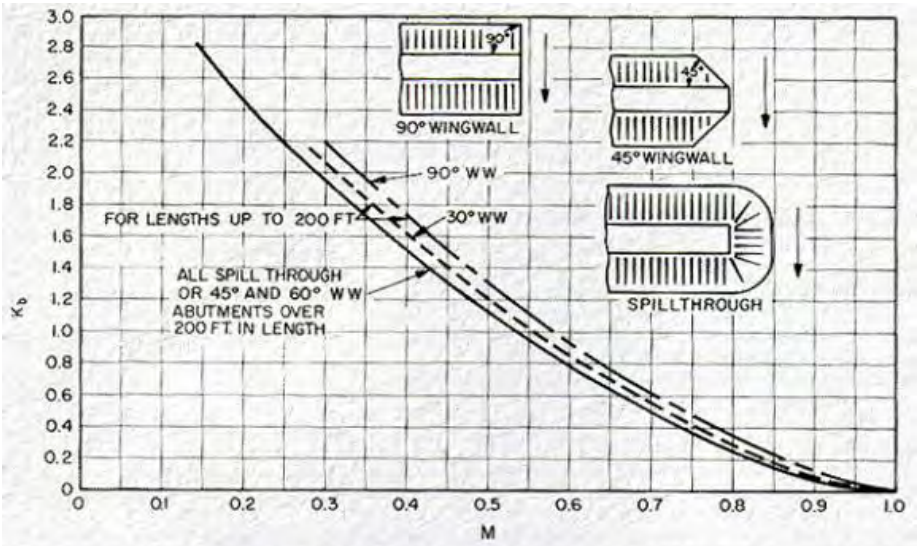


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = **0.00**

K_p (Pier Coefficient)

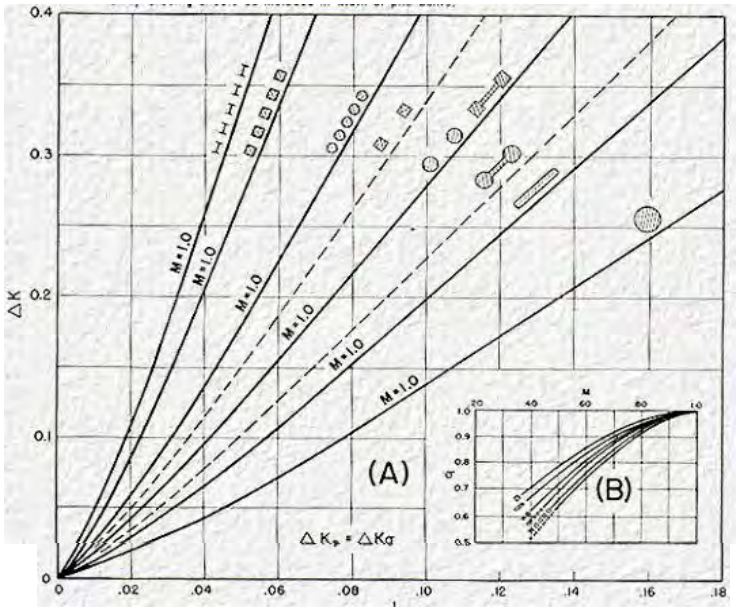
Ratio of gross waterway area to pier area

J = A_p / A_{n3}

A_p =	1.544	m^2
A_{n2} =	39.68	m^2

J = 0.038910506

J = 4%



Pier Type: Linked Circular Pier

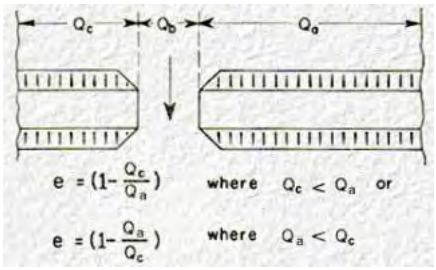
σ = 1.00

$\Delta K = 0.08$

$K_p = \sigma \Delta K$

$K_p = 0.08$

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

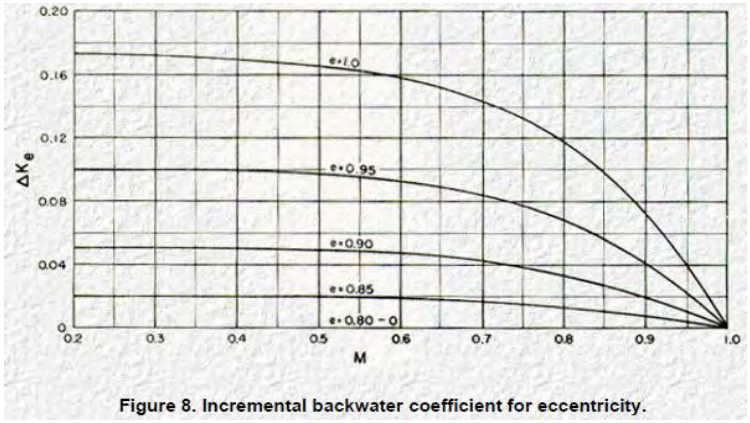
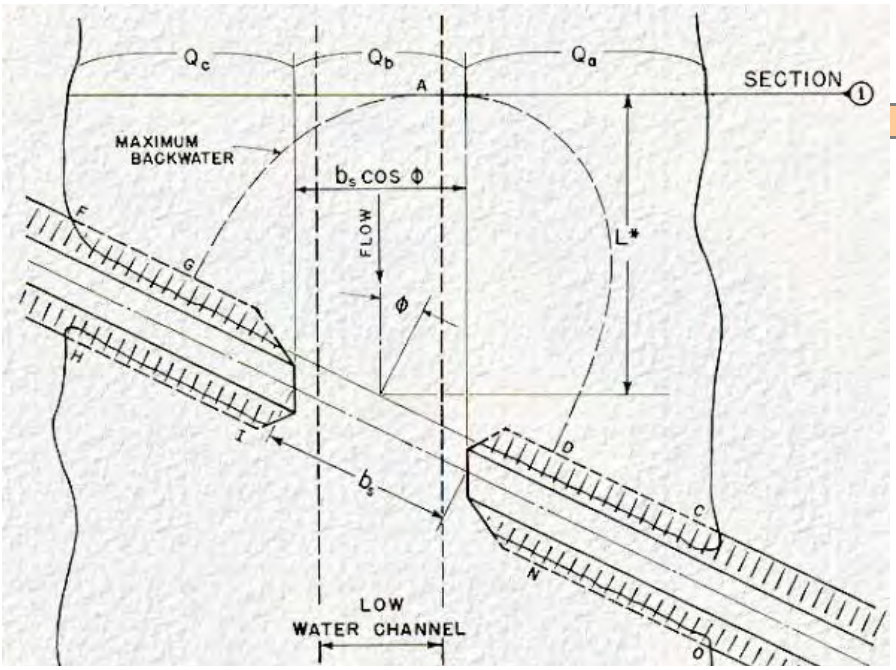


Figure 8. Incremental backwater coefficient for eccentricity.

$K_e = 0.00$

K_s (Skew Coefficient)



ϕ =	0

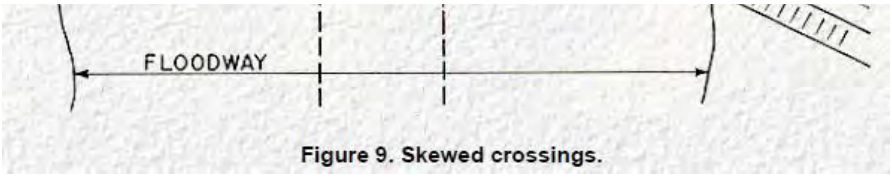


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

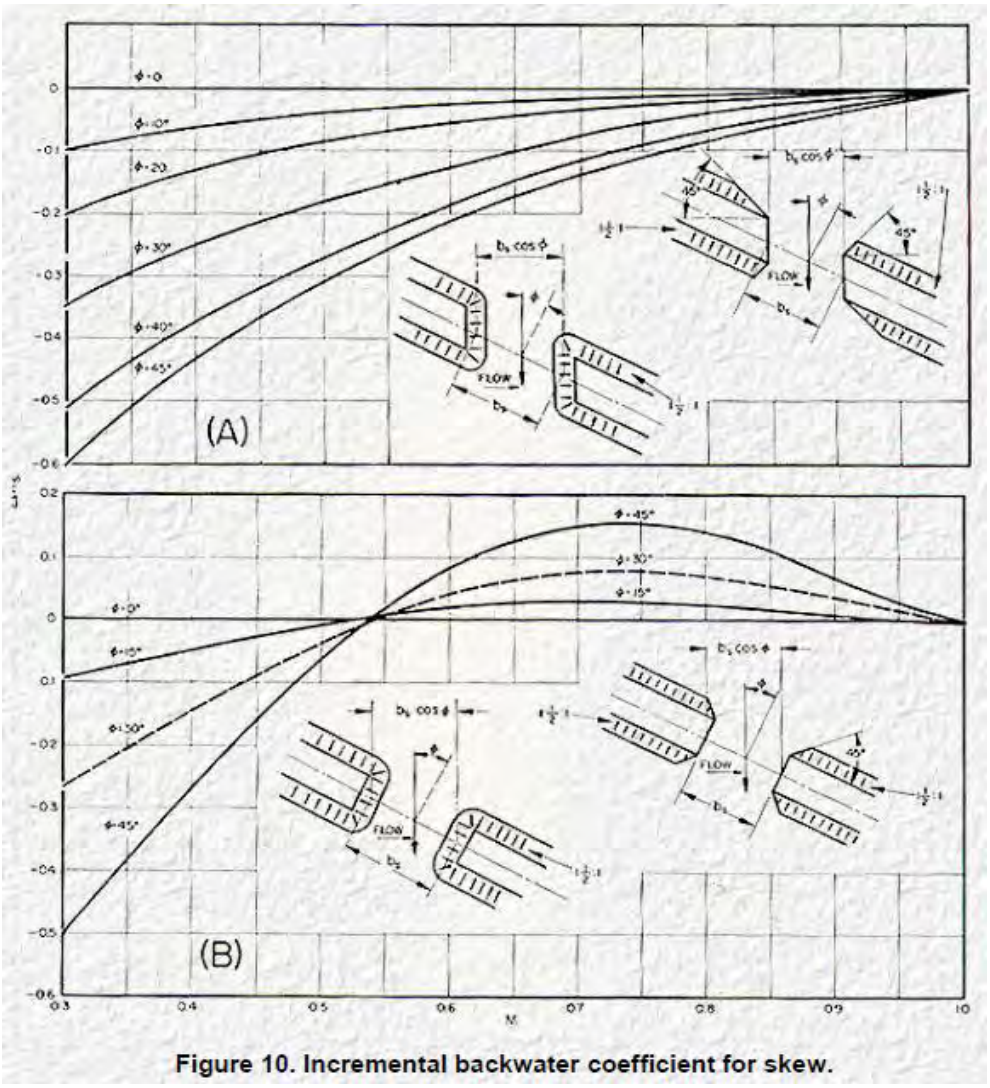


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

K^* = 0.08

Notes

Representation of Bridges in TUFLOW

Prepared by: J. Hannan **Date:** 19/11/2017
Checked by: D. Tetley **Date:** 11/12/2017

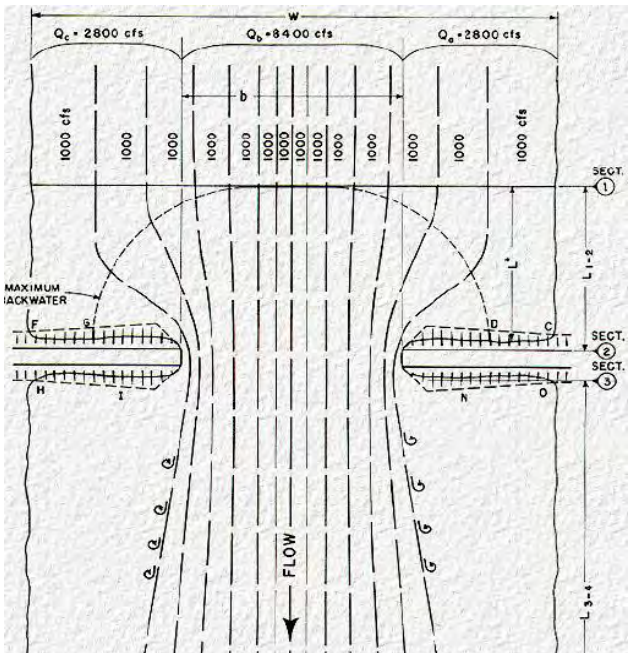
Reference: 'Hydraulics of Bridge Waterways: HDS 1' (Bradley, March 1978)
High Street - Stage 1 (RL 19.05 - 23.1 mAHD)

Bridge Modelling Approach: 1D

The total backwater (i.e., energy loss) coefficient is calculated as:
$K^* = K_b + K_p + K_e + K_s$

K_b (base coefficient)

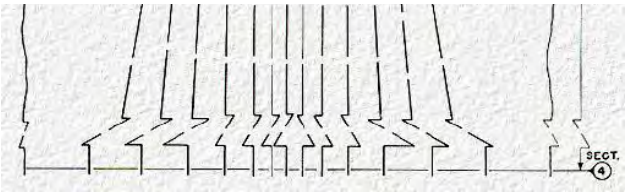
First need to calculate the Bridge Opening Ratio (M)
M = Unimpeded Flow / Total Flow
$M = Q_b / (Q_a + Q_b + Q_c)$



All flow contained in channel

Bridge Flow =	1010	m^3/s
Unimpeded Flow=	1322	m^3/s
M =	**0.76**	

where:	(Bridge)	(Unimpeded)
A=	57.94	125.13
P=	20.26	92.81
n=	0.02	0.02
S=	0.03	0.030



Abutment Type = 90o Wingwall

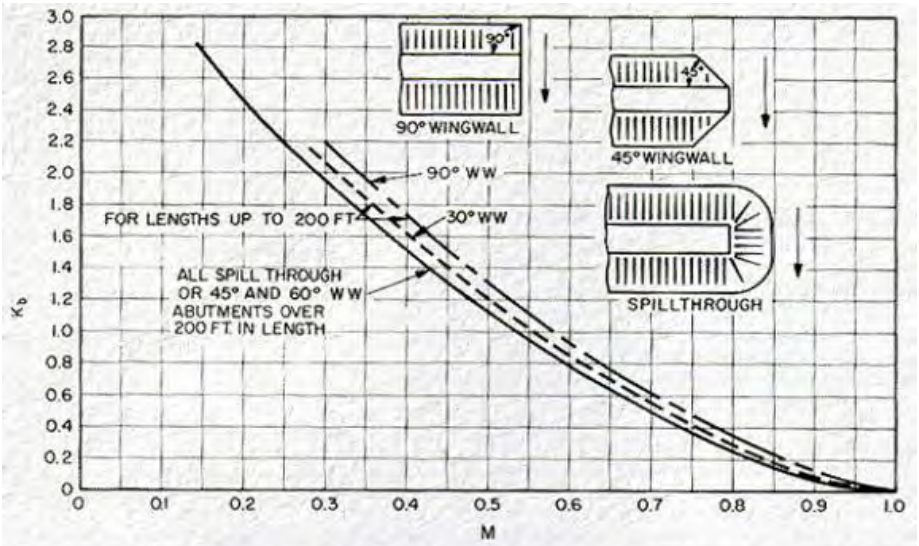


Figure 6. Backwater coefficient base curves (subcritical flow).

K_b = 0.45

K_p (Pier Coefficient)

Ratio of gross waterway area to pier area

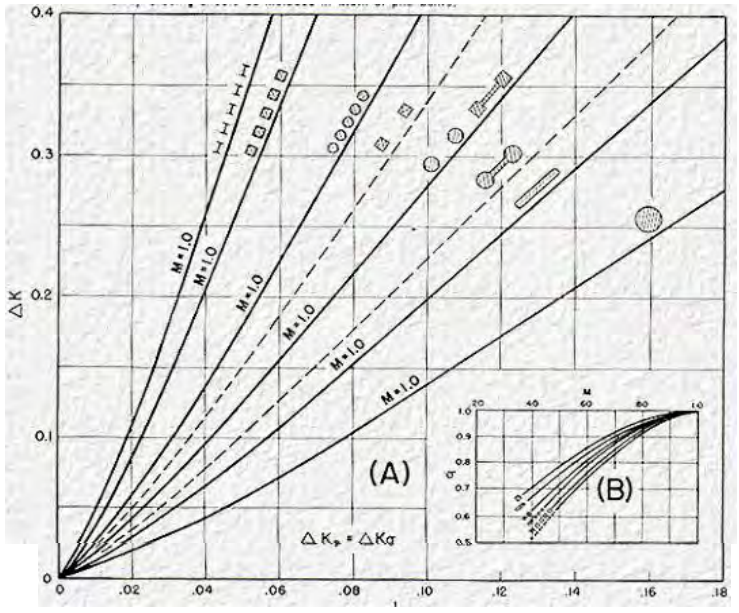
$J = A_p / A_{n3}$

A_p = 4.7958 m^2

A_{n2} = 57.94 m^2

J = 0.082765762

J = 8%



Pier Type: Multi- Square Pier

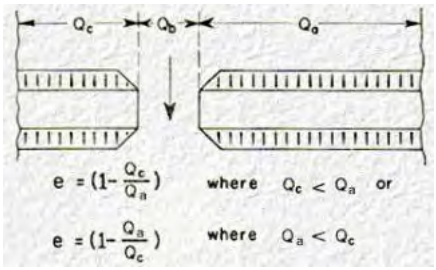
σ = 0.89

$\Delta K = 0.40$

$K_p = \sigma \Delta K$

$K_p = 0.36$

K_e (Eccentricity Coefficient)



Q_c = 1	m^3/s
Q_a = 1	m^3/s

e = 0.00

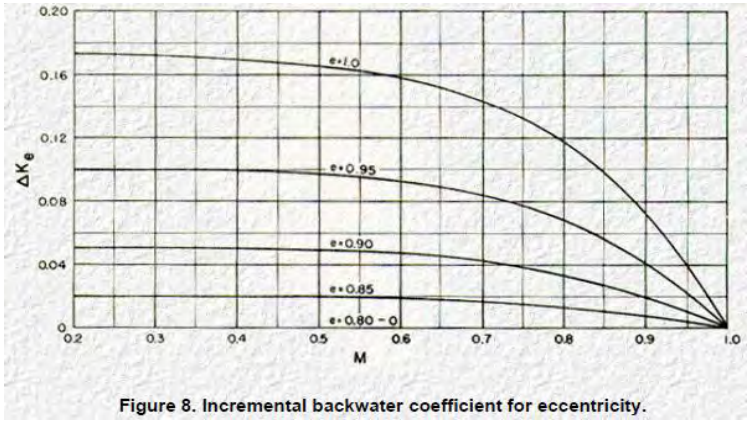
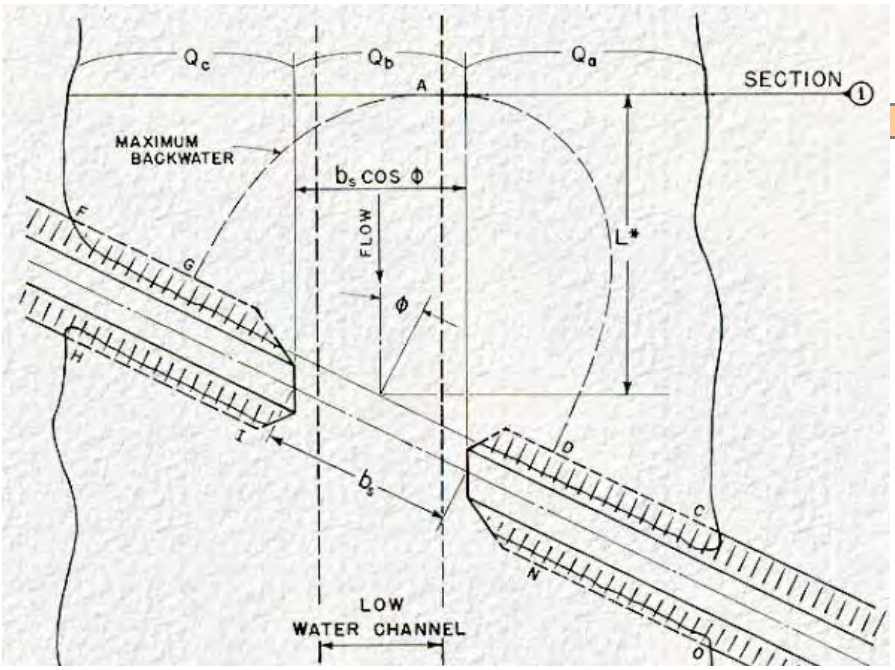


Figure 8. Incremental backwater coefficient for eccentricity.

$K_e = 0.00$

K_s (Skew Coefficient)



ϕ =	0

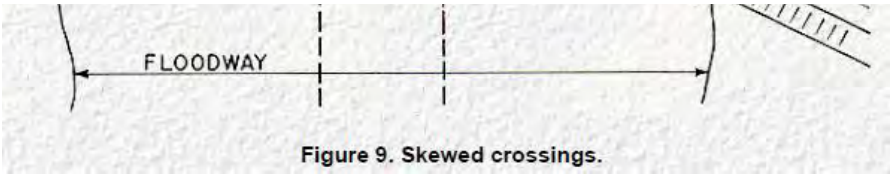


Figure 9. Skewed crossings.

Abutment Type =	(B)-Straight

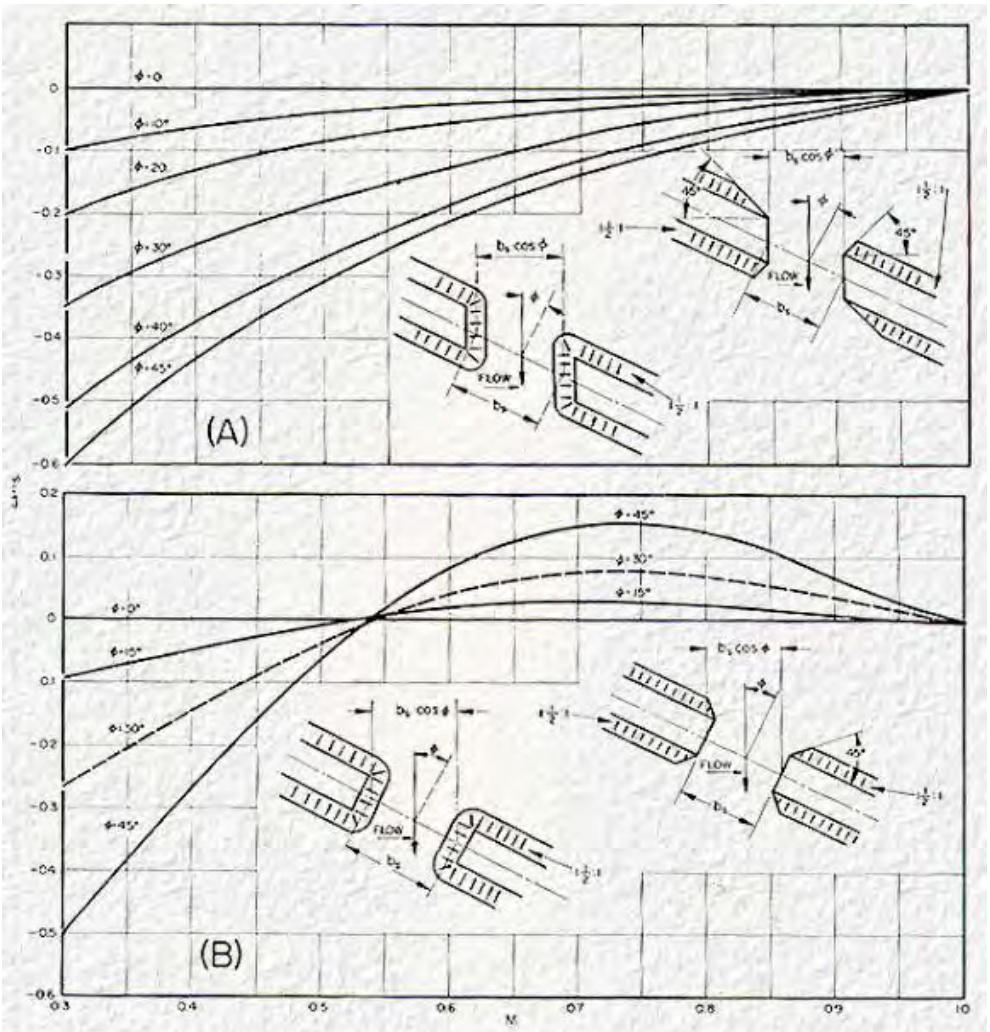


Figure 10. Incremental backwater coefficient for skew.

K_s = 0.00

(K*) Total Backwater Coefficient

$K^* = K_b + K_p + K_e + K_s$

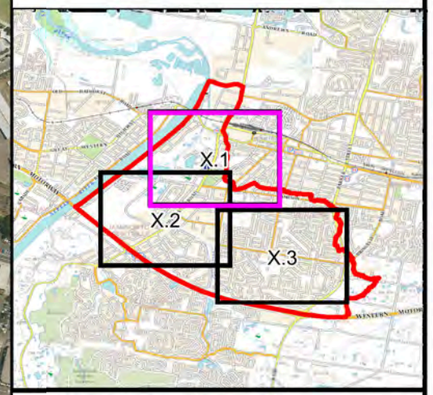
K^* = 0.81

Notes

APPENDIX G

BLOCKAGE CALCULATIONS

PENRITH CITY COUNCIL



LEGEND

- Peach Tree & Lower Surveyors Creek Study Area
- ST 1 — Hydraulic Structure

Notes:
Aerial photograph date: 2016

N
W E
S

Scale 1:7,000 (at A3)

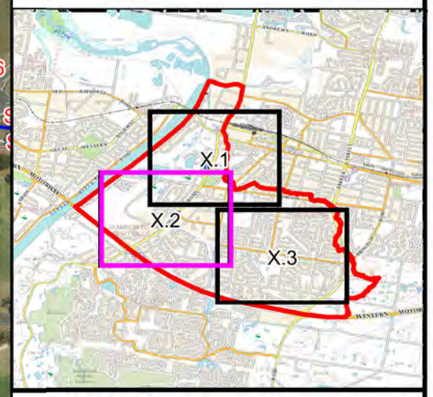
0 0.15 0.3
Km

Figure G1.1: Hydraulic Structure Locations

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Hydraulic Structure Locations.wor

PENRITH CITY COUNCIL



LEGEND

- Peach Tree & Lower Surveyors Creek Study Area
- ST 1 — Hydraulic Structure

Notes:
Aerial photograph date: 2016

N
W E
S

Scale 1:7,000 (at A3)

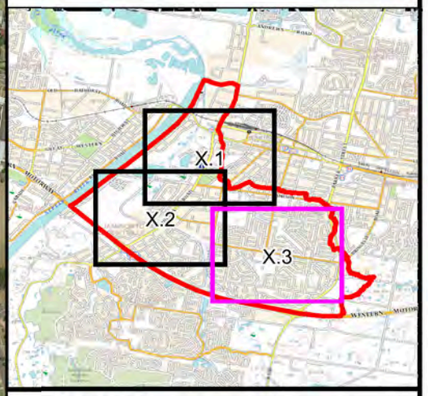
0 0.15 0.3
Km

Figure G1.2: Hydraulic Structure Locations

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Hydraulic Structure Locations.wor

PENRITH CITY COUNCIL



Jamison Park

Evan

Southlands Shopping Centre

ST 14

ST 13

ST 55

ST 25

The Old Northern Road

LEGEND

- Peach Tree & Lower Surveyors Creek Study Area
- ST 1 — Hydraulic Structure

Notes:
Aerial photograph date: 2016

N
W E
S

Scale 1:7,000 (at A3)

0 0.15 0.3
Km

Figure G1.3: Hydraulic Structure Locations

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Hydraulic Structure Locations.wor

STRUCTURE BLOCKAGE ASSESSMENT

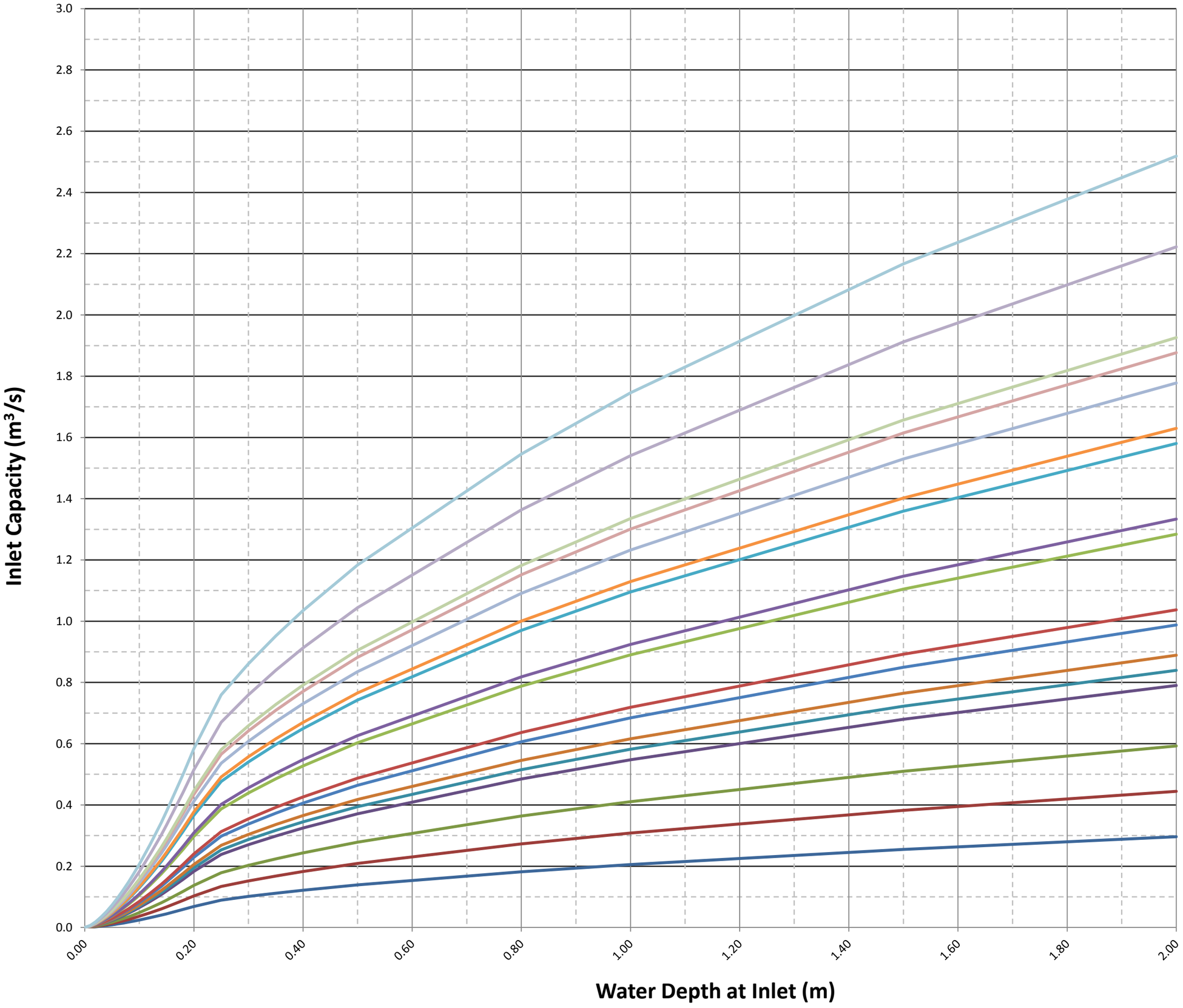
Peach Tree & Lower Surveyors Ck Flood Study

Structure ID	Roadway	Waterway	Structure Type	Structure Dimensions			Land Use Across Upstream Catchment	Max. L10 (m)	Control Dimension	Main Stream Slope (%)	Debris Availability (L, M, H)	Debris Mobility (L, M, H)	Debris Transportability (L, M, H)	Debris Potential	Debris Potential at Structure	Adjustment for AEP			Design Blockage Level		
				Dia/Width /Span	Height	Cells / Spans										AEP >5%	AEP 5%-0.5%	AEP < 0.5%	AEP >5%	AEP 5%-0.5%	AEP < 0.5%
ST 1	Blaikie Road		Pipe Culvert	0.375		1	5% Buildings, 5% Concrete, 9% Trees, 73% Grass, 8% Roads	0.50	W<L	0.58	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 2	Blaikie Road		Pipe Culvert	0.375		1	81% Grass, 3% Concrete, 10% Trees, 3% Buildings, 3% Roads	0.50	W<L	0.37	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 3	Blaikie Road		Pipe Culvert	0.3		1	1% Buildings, 8% Trees, 2% Concrete, 87% Grass, 2% Roads	3.00	W<L	0.1	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 4	Blaikie Road		Pipe Culvert	0.45		1	1% Buildings, 8% Trees, 2% Concrete, 87% Grass, 2% Roads	0.50	W<L	0.1	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 5	Blaikie Road	Peach Tree Ck	Box Culvert	0.34	1.2	1	1% Buildings, 8% Trees, 2% Concrete, 87% Grass, 2% Roads	3.00	W<L	0.1	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 6	Blaikie Road	Peach Tree Ck	Box Culvert	0.34	1.1	1	67% Grass, 33% Trees	3.00	W<L	0.1	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 7	Jamison Road	Peach Tree Ck	Box Culvert	0.34	1.09	1	2% Concrete, 2% Buildings, 91% Grass, 3% Roads, 2% Trees	0.50	W<L	0.02	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 8		Peach Tree Ck	Pipe Culvert	0.6		1	2% Concrete, 78% Grass, 10% Roads, 1% Buildings, 9% Trees	0.50	L<W<3L	0.66	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 9		Peach Tree Ck	Pipe Culvert	0.6		1	67% Grass, 33% Trees	3.00	W<L	0.66	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 10		Peach Tree Ck	Pipe Culvert	0.6		1	1% Buildings, 8% Trees, 2% Concrete, 87% Grass, 2% Roads	3.00	W<L	0.66	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 11		Peach Tree Ck	Pipe Culvert	0.3		2	94% Grass, 6% Trees	0.50	W<L	0.02	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 12		Peach Tree Ck	Pipe Culvert	0.45		1	67% Grass, 33% Trees	3.00	W<L	4.36	M	M	H	**MMH**	Medium	Low	Medium	High	25%	50%	100%
ST 13	The Northern Road		Pipe Culvert	0.375		1	8% Concrete, 67% Grass, 15% Roads, 3% Trees, 7% Buildings	0.50	W<L	4.92	L	M	H	**LMH**	Medium	Low	Medium	High	25%	50%	100%
ST 14	The Northern Road		Pipe Culvert	0.6		1	14% Roads, 12% Concrete, 51% Grass, 14% Trees, 9% Buildings	0.50	L<W<3L	3.37	L	M	H	**LMH**	Medium	Low	Medium	High	0%	10%	20%
ST 15	Jamison Road		Pipe Culvert	0.825		1	11% Roads, 11% Concrete, 11% Grass, 67% Trees	3.00	W<L	3.39	M	M	H	**MMH**	Medium	Low	Medium	High	25%	50%	100%
ST 16	Jamison Road		Pipe Culvert	0.375		1	7% Roads, 6% Concrete, 62% Grass, 19% Trees, 6% Buildings	0.50	W<L	0.1	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 17		Unnamed Tributary	Pipe Culvert	1.35		1	8% Roads, 28% Trees, 13% Concrete, 32% Grass, 19% Buildings	3.00	W<L	0.93	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 18		Unnamed Tributary	Pipe Culvert	0.375		2	78% Grass, 8% Buildings, 12% Trees, 1% Concrete, 1% Roads	0.50	W<L	0.51	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 19		Unnamed Tributary	Pipe Culvert	0.33		1	100% Grass	0.50	W<L	7.2	L	M	H	**LMH**	Medium	Low	Medium	High	25%	50%	100%
ST 20		Unnamed Tributary	Pipe Culvert	0.28		1	90% Grass, 10% Trees	0.50	W<L	0.35	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 21		Peach Tree Ck	Pipe Culvert	0.6		1	31% Grass, 20% Buildings, 15% Trees, 15% Concrete, 17% Roads, 1% Water	1.50	W<L	0.08	L	M	L	**LML**	Low	Low	Low	Medium	25%	25%	50%
ST 22	Mulgoa Road	Surveyors Ck	Bridge	15.5		1	20% Grass, 13% Concrete, 53% Roads, 13% Trees	1.50	W>3L	1.36	L	M	M	**LMM**	Low	Low	Low	Medium	0%	0%	0%
ST 23	Mulgoa Road	Surveyors Ck	Bridge	15.5		1	24% Buildings, 19% Concrete, 12% Roads, 29% Grass, 16% Trees	1.50	W>3L	0.62	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 24		Surveyors Ck	Bridge	22		6	33% Concrete, 67% Roads	1.50	W>3L	0.17	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 25	Gadara Drive	Surveyors Ck	Bridge	12		1	18% Trees, 8% Concrete, 60% Grass, 8% Roads, 5% Buildings, 1% Water	0.50	W>3L	0.72	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 26	Ikin Street	Surveyors Ck	Bridge	14		1	42% Grass, 11% Roads, 16% Trees, 10% Concrete, 20% Buildings, 1% Water	0.50	W>3L	0.1	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 27		Peach Tree Ck	Bridge	84		8	13% Grass, 20% Roads, 10% Concrete, 15% Trees, 29% Buildings, 12% Water	3.00	W>3L	0.07	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	0%
ST 28	High Street	Peach Tree Ck	Bridge	14		4	11% Roads, 9% Concrete, 52% Grass, 19% Trees, 8% Buildings	0.50	W>3L	0.09	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 29	Jamison Road	Peach Tree Ck	Bridge	14.5		4	11% Trees, 13% Roads, 40% Grass, 17% Concrete, 18% Buildings, 1% Water	0.50	W>3L	0.48	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 30		Peach Tree Ck	Bridge	25		1	31% Grass, 14% Trees, 9% Concrete, 8% Buildings, 7% Roads, 32% Water	0.50	W>3L	0.1	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 31		Peach Tree Ck	Bridge	30		3	66% Grass, 5% Buildings, 6% Roads, 7% Trees, 4% Concrete, 12% Water	0.50	W>3L	0.11	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 32	Mulgoa Road	Racecourse / Showground Ck	Box Culvert	5	1.6	1	21% Grass, 14% Roads, 17% Concrete, 21% Trees, 27% Buildings	3.00	L<W<3L	0.85	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%
ST 33	Mulgoa Road	Racecourse / Showground Ck	Box Culvert	5	1.6	1	7% Concrete, 31% Roads, 42% Trees, 18% Grass, 2% Buildings	3.00	L<W<3L	1.18	M	M	M	**MMM**	Medium	Low	Medium	High	0%	10%	20%
ST 34	Jamison Road	Jamison Ck	Box Culvert	2.9	1.6	1	18% Grass, 17% Concrete, 29% Roads, 16% Trees, 20% Buildings	1.50	L<W<3L	0.85	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 35	Jamison Road	Jamison Ck	Box Culvert	2.87	1.6	1	14% Roads, 12% Concrete, 33% Grass, 19% Trees, 21% Buildings	3.00	W<L	0.85	M	M	L	**MML**	Low	Low	Low	Medium	25%	25%	50%
ST 36		Jamison Ck	Box Culvert	6.22	2.27	1	50% Grass, 50% Trees	3.00	L<W<3L	0.18	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%
ST 37		Jamison Ck	Box Culvert	6.12	2.14	1	22% Roads, 17% Concrete, 17% Grass, 22% Trees, 22% Buildings	3.00	L<W<3L	0.33	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%
ST 38		Jamison Ck	Box Culvert	6.29	2.2	1	38% Trees, 12% Roads, 12% Concrete, 12% Grass, 25% Buildings	3.00	L<W<3L	0.33	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%

Structure ID	Roadway	Waterway	Structure Type	Structure Dimensions			Land Use Across Upstream Catchment	Max. L10 (m)	Control Dimension	Main Stream Slope (%)	Debris Availability (L, M, H)	Debris Mobility (L, M, H)	Debris Transportability (L, M, H)	Debris Potential	Debris Potential at Structure	Adjustment for AEP			Design Blockage Level		
				Dia/Width /Span	Height	Cells / Spans										AEP >5%	AEP 5%-0.5%	AEP < 0.5%	AEP >5%	AEP 5%-0.5%	AEP < 0.5%
ST 39		Jamison Ck	Box Culvert	6.19	2.24	1	17% Trees, 33% Roads, 33% Concrete, 17% Grass	1.50	W>3L	0.15	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 40		Jamison Ck	Box Culvert	6.17	2.13	1	60% Grass, 13% Trees, 11% Roads, 7% Concrete, 9% Buildings	0.50	W>3L	0.08	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 41		Jamison Ck	Box Culvert	6.17	2.24	1	27% Trees, 8% Roads, 10% Grass, 20% Concrete, 35% Buildings	3.00	L<W<3L	0.1	M	M	L	**MML**	Low	Low	Low	Medium	25%	50%	100%
ST 42		Jamison Ck	Box Culvert	6.27	2.28	1	33% Trees, 33% Roads, 17% Grass, 8% Concrete, 8% Buildings	3.00	L<W<3L	0.6	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%
ST 43		Jamison Ck	Box Culvert	6.23	2.16	1	17% Trees, 51% Grass, 8% Concrete, 9% Roads, 15% Buildings	0.50	W>3L	0.18	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 44		Jamison Ck	Box Culvert	6.25	2.13	1	12% Trees, 25% Roads, 25% Grass, 25% Concrete, 12% Buildings	1.50	W>3L	0.12	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 45		Jamison Ck	Box Culvert	6.25	2.13	1	27% Trees, 36% Roads, 9% Concrete, 27% Grass	3.00	L<W<3L	0.22	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%
ST 46		Jamison Ck	Box Culvert	6.66	2.26	1	34% Roads, 17% Concrete, 14% Grass, 11% Trees, 23% Buildings	1.50	W>3L	0.09	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 47	Dent Street	Jamison Ck	Box Culvert	6.19	2.15	1	22% Roads, 22% Concrete, 25% Trees, 9% Grass, 22% Buildings	3.00	L<W<3L	0.32	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10
ST 48	York Street	Jamison Ck	Box Culvert	3.11	2.12	1	10% Concrete, 15% Roads, 45% Grass, 16% Trees, 13% Buildings	0.50	W>3L	0.66	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 49	York Street	Jamison Ck	Box Culvert	3.04	2.19	1	14% Roads, 12% Concrete, 33% Grass, 19% Trees, 21% Buildings	3.00	L<W<3L	0.66	M	M	L	**MML**	Low	Low	Low	Medium	0%	0%	10%
ST 50		Jamison Ck	Box Culvert	2.82	1.4	1	14% Roads, 12% Concrete, 33% Grass, 19% Trees, 21% Buildings	1.50	L<W<3L	0.94	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 51	Jamison Road	Jamison Ck	Box Culvert	3.02	1.44	1	14% Roads, 12% Concrete, 33% Grass, 19% Trees, 21% Buildings	1.50	L<W<3L	0.94	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 52	Jamison Road	Jamison Ck	Box Culvert	3.14	1.44	1	14% Roads, 12% Concrete, 33% Grass, 19% Trees, 21% Buildings	1.50	L<W<3L	0.94	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 53	Jamison Road	Jamison Ck	Box Culvert	3.25	1.49	1	1% Buildings, 8% Trees, 2% Concrete, 87% Grass, 2% Roads	1.50	L<W<3L	0.94	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 54	Retreat Drive	Racecourse / Showground Ck	Bridge	5		1	16% Grass, 18% Trees, 21% Concrete, 15% Roads, 31% Buildings	1.50	W>3L	1.06	L	M	M	**LMM**	Low	Low	Low	Medium	10%	25%	50%
ST 55	Frogmore Road		Pipe Culvert	0.525		2	4% Concrete, 9% Roads, 30% Trees, 51% Grass, 6% Buildings	3.00	W<L	2.68	M	M	M	**MMM**	Medium	Low	Medium	High	25%	50%	100%
ST 56	Bruce Neale Drive		Box Culvert	9	3	1	19% Buildings, 17% Grass, 15% Concrete, 24% Roads, 24% Trees	3.00	L<W<3L	1.94	M	M	M	**MMM**	Medium	Low	Medium	High	0%	10%	20%
ST 57	Wolseley Street		Box Culvert	5.1	5.5	1	18% Concrete, 26% Buildings, 15% Trees, 24% Roads, 16% Grass	1.50	W>3L	0.81	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 58			Box Culvert	3.4	3.6	1	19% Concrete, 80% Grass	0.50	W>3L	0.1	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	0%
ST 59	York Street	Unnamed Tributary	Pipe Culvert	1.8		2	19% Trees, 12% Concrete, 33% Grass, 15% Roads, 21% Buildings	1.50	L<W<3L	0.83	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 60	Jamison Road		Box Culvert	0.6	0.4	1	10% Trees, 60% Grass, 10% Concrete, 20% Roads	0.50	L<W<3L	0.38	L	M	L	**LML**	Low	Low	Low	Medium	0%	0%	10%
ST 61	Jamison Road		Box Culvert	0.6	0.4	1	100% Grass	0.50	L<W<3L	2.99	L	M	M	**LMM**	Low	Low	Low	Medium	0%	0%	10%

APPENDIX H

STORMWATER INLET CAPACITY CURVES



PENRITH CITY COUNCIL

LEGEND

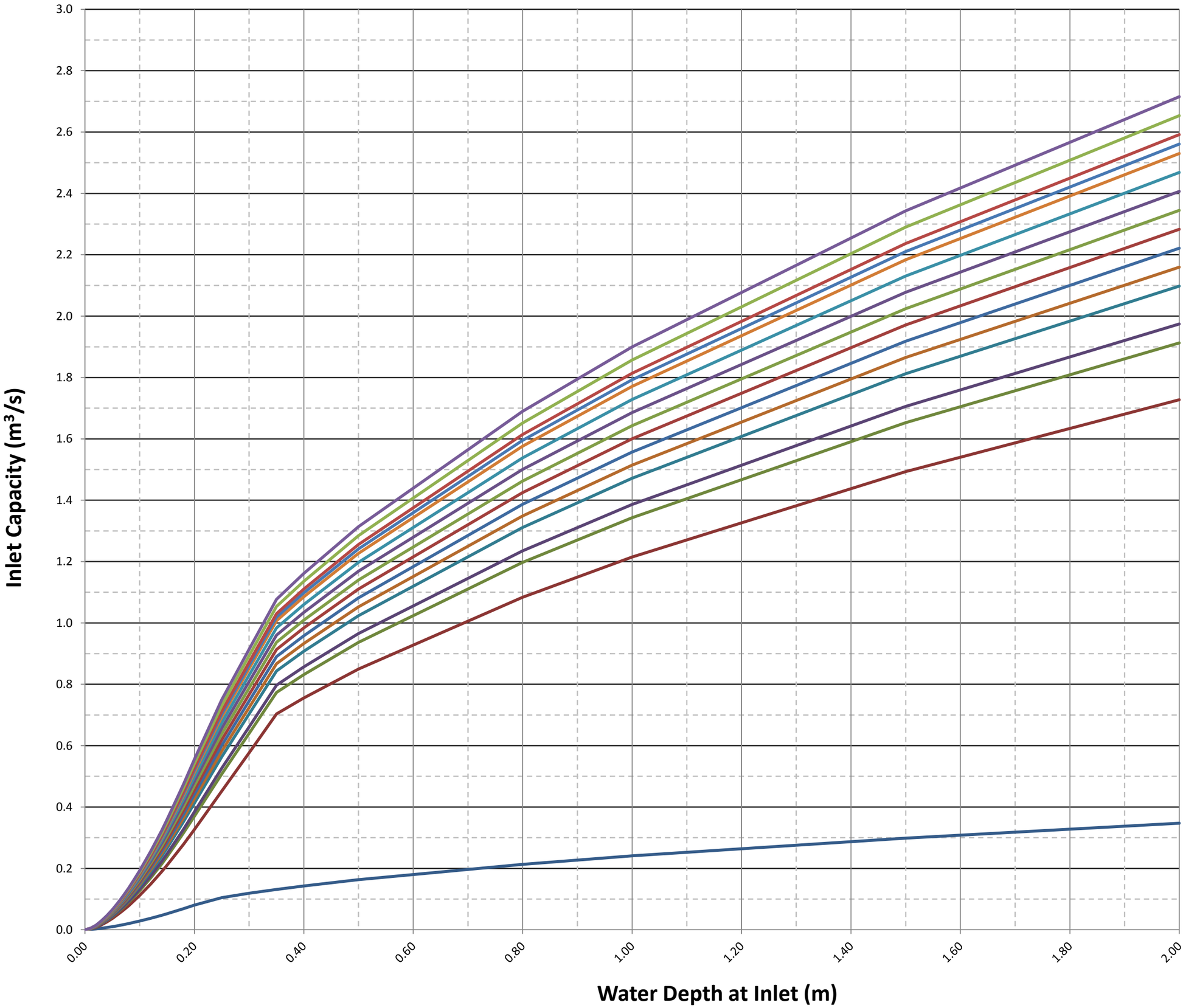
- Inlet with 0.6m Side Entry
- Inlet with 0.9m Side Entry
- Inlet with 1.2m Side Entry
- Inlet with 1.6m Side Entry
- Inlet with 1.7m Side Entry
- Inlet with 1.8m Side Entry
- Inlet with 2m Side Entry
- Inlet with 2.1m Side Entry
- Inlet with 2.6m Side Entry
- Inlet with 2.7m Side Entry
- Inlet with 3.2m Side Entry
- Inlet with 3.3m Side Entry
- Inlet with 3.6m Side Entry
- Inlet with 3.8m Side Entry
- Inlet with 3.9m Side Entry
- Inlet with 4.5m Side Entry
- Inlet with 5.1m Side Entry

Notes:
Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H1:
Inlet Capacity Curves for Side Entry Pits in Sag

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls



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LEGEND

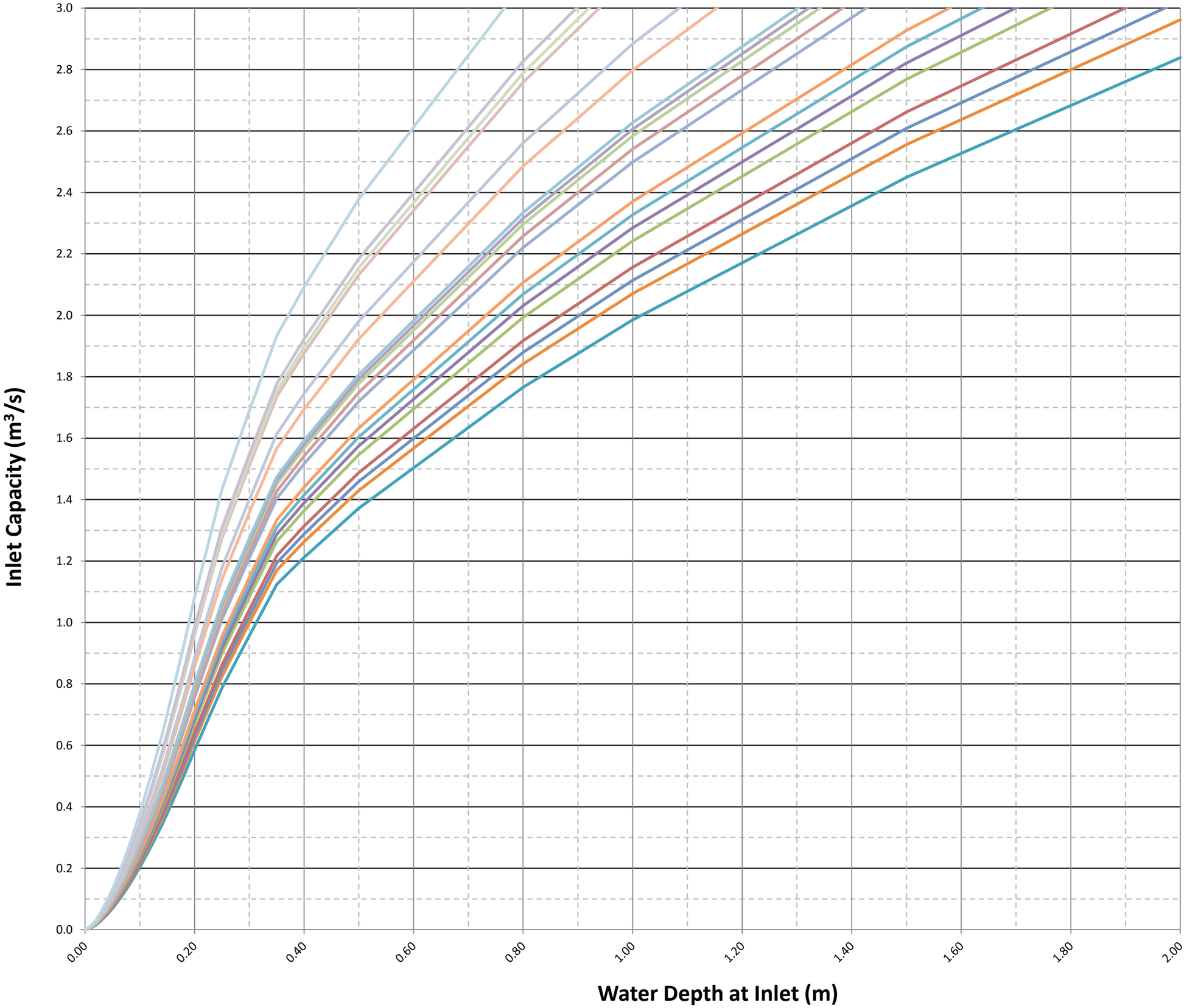
- Combination Inlet with 0.45 m Side Entry
- Combination Inlet with 0.6 m Side Entry
- Combination Inlet with 0.9 m Side Entry
- Combination Inlet with 1 m Side Entry
- Combination Inlet with 1.2 m Side Entry
- Combination Inlet with 1.3 m Side Entry
- Combination Inlet with 1.4 m Side Entry
- Combination Inlet with 1.5 m Side Entry
- Combination Inlet with 1.6 m Side Entry
- Combination Inlet with 1.7 m Side Entry
- Combination Inlet with 1.8 m Side Entry
- Combination Inlet with 1.9 m Side Entry
- Combination Inlet with 1.95 m Side Entry
- Combination Inlet with 2 m Side Entry
- Combination Inlet with 2.1 m Side Entry
- Combination Inlet with 2.2 m Side Entry

Notes:
Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H2a:
Inlet Capacity Curves for Combination Pits in Sag

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls



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LEGEND

- Combination Inlet with 2.4 m Side Entry
- Combination Inlet with 2.6 m Side Entry
- Combination Inlet with 2.7 m Side Entry
- Combination Inlet with 2.8 m Side Entry
- Combination Inlet with 3 m Side Entry
- Combination Inlet with 3.1 m Side Entry
- Combination Inlet with 3.2 m Side Entry
- Combination Inlet with 3.3 m Side Entry
- Combination Inlet with 3.6 m Side Entry
- Combination Inlet with 3.7 m Side Entry
- Combination Inlet with 3.8 m Side Entry
- Combination Inlet with 3.85 m Side Entry
- Combination Inlet with 3.9 m Side Entry
- Combination Inlet with 4.3 m Side Entry
- Combination Inlet with 4.5 m Side Entry
- Combination Inlet with 5.02 m Side Entry
- Combination Inlet with 5.1 m Side Entry
- Combination Inlet with 5.2 m Side Entry
- Combination Inlet with 5.87 m Side Entry

Notes:

Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H2b:
Inlet Capacity Curves for Combination Pits in Sag

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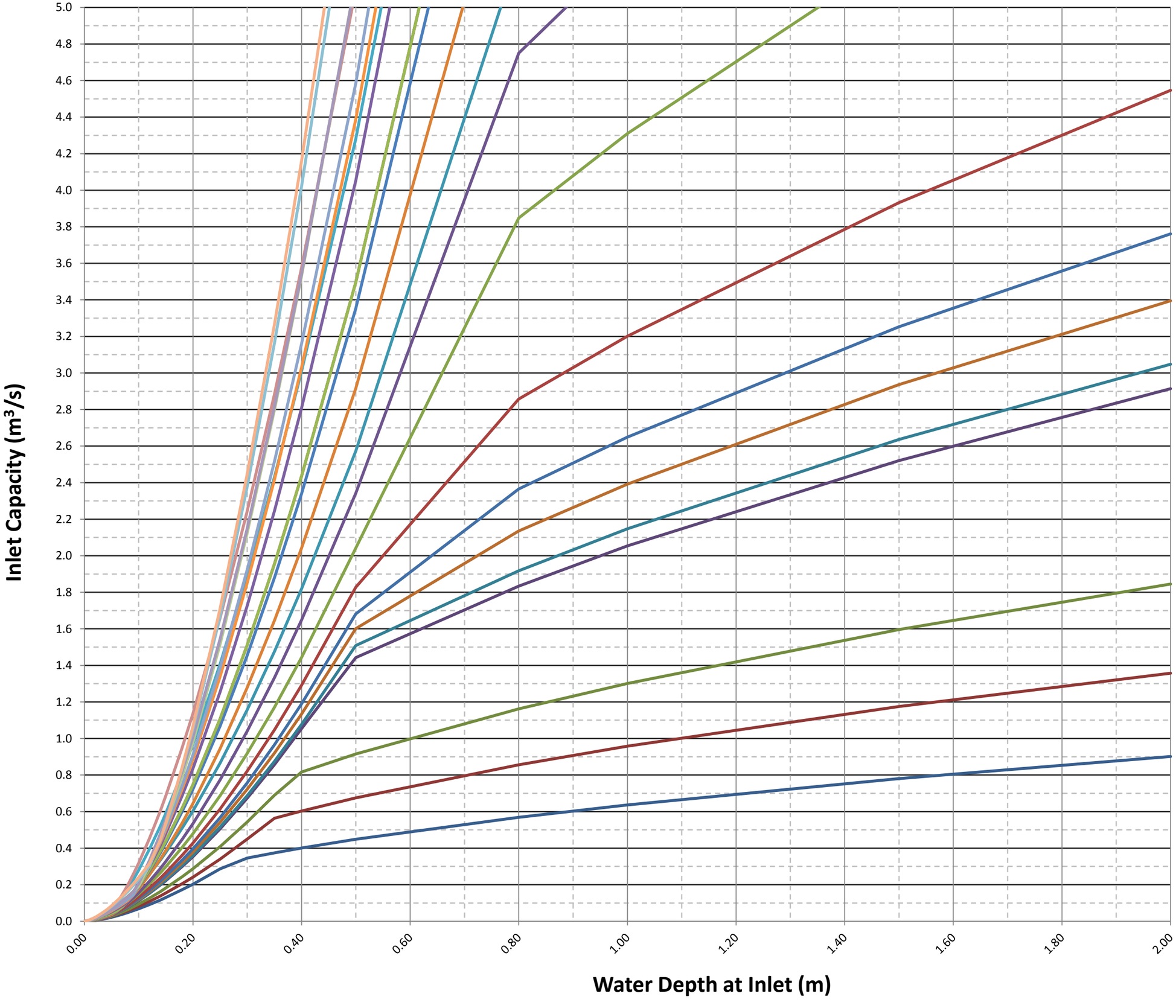
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls

PENRITH CITY COUNCIL



LEGEND

- Inlet with 0.24m2 Grate
- Inlet with 0.36m2 Grate
- Inlet with 0.5m2 Grate
- Inlet with 0.75m2 Grate
- Inlet with 0.8m2 Grate
- Inlet with 0.9m2 Grate
- Inlet with 1m2 Grate
- Inlet with 1.2m2 Grate
- Inlet with 1.6m2 Grate
- Inlet with 2m2 Grate
- Inlet with 2.6m2 Grate
- Inlet with 3.2m2 Grate
- Inlet with 4.4m2 Grate
- Inlet with 4.8m2 Grate
- Inlet with 5.8m2 Grate
- Inlet with 6.8m2 Grate
- Inlet with 7.2m2 Grate
- Inlet with 8.1m2 Grate
- Inlet with 9m2 Grate
- Inlet with 10.2m2 Grate
- Inlet with 11.9m2 Grate
- Inlet with 12.2m2 Grate
- Inlet with 16.8m2 Grate
- Inlet with 18.5m2 Grate

Notes:

Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H3:
Inlet Capacity Curves for Grated Pits in Sag

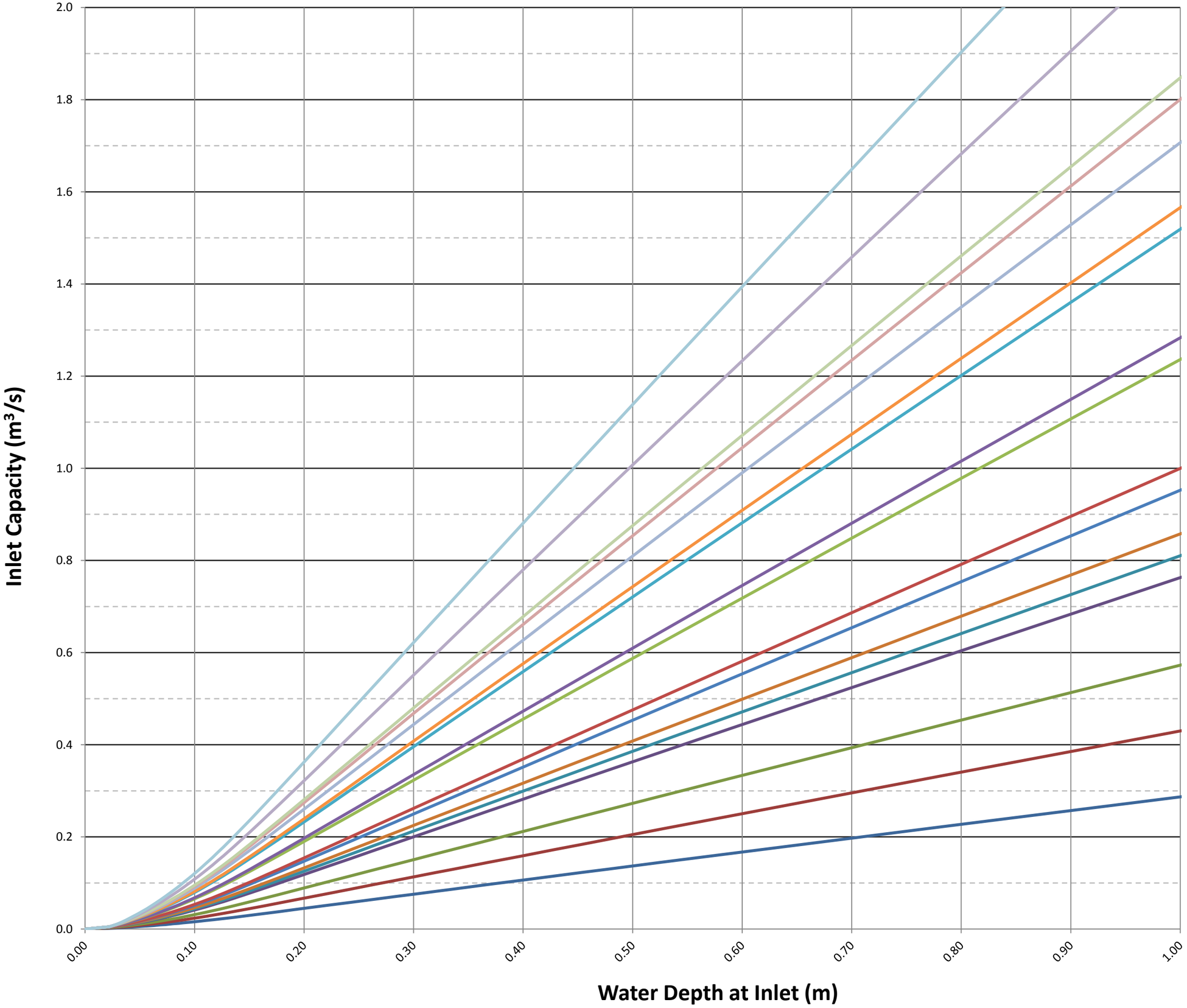
Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George Street

Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls



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LEGEND

- Inlet with 0.6m Side Entry
- Inlet with 0.9m Side Entry
- Inlet with 1.2m Side Entry
- Inlet with 1.6m Side Entry
- Inlet with 1.7m Side Entry
- Inlet with 1.8m Side Entry
- Inlet with 2m Side Entry
- Inlet with 2.1m Side Entry
- Inlet with 2.6m Side Entry
- Inlet with 2.7m Side Entry
- Inlet with 3.2m Side Entry
- Inlet with 3.3m Side Entry
- Inlet with 3.6m Side Entry
- Inlet with 3.8m Side Entry
- Inlet with 3.9m Side Entry
- Inlet with 4.5m Side Entry
- Inlet with 5.1m Side Entry

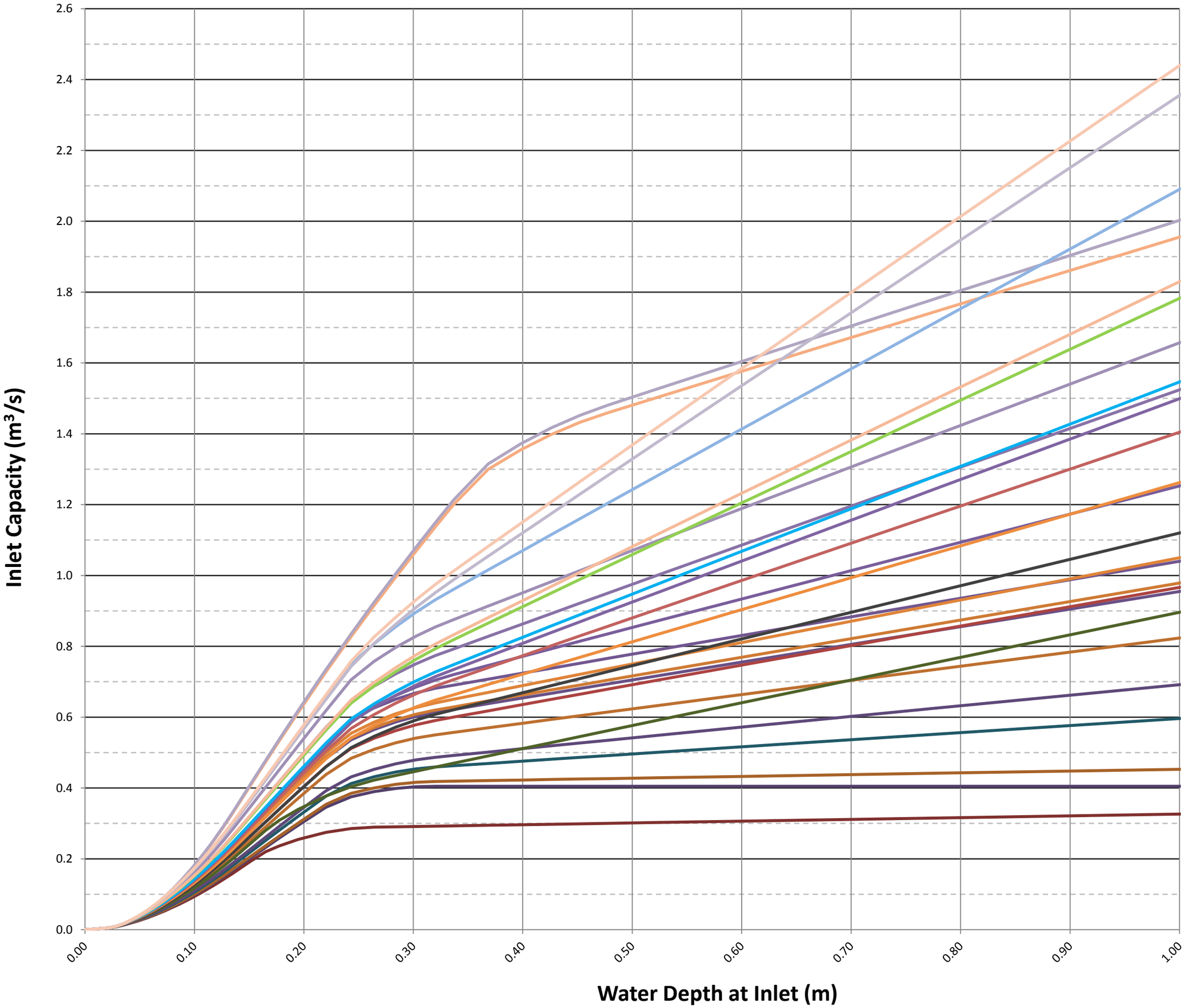
Notes:

Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H4:
Inlet Capacity Curves for Side Entry Pits on Grade

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls



PENRITH CITY COUNCIL

LEGEND

- Combination Inlet with 0.6 m Side Entry and 0.24m2 Grate
- Combination Inlet with 0.9 m Side Entry and 0.36m2 Grate
- Combination Inlet with 1 m Side Entry and 0.36m2 Grate
- Combination Inlet with 1.3 m Side Entry and 0.36m2 Grate
- Combination Inlet with 1.5 m Side Entry and 0.36m2 Grate
- Combination Inlet with 1.7 m Side Entry and 0.41m2 Grate
- Combination Inlet with 1.8 m Side Entry and 0.24m2 Grate
- Combination Inlet with 1.8 m Side Entry and 0.41m2 Grate
- Combination Inlet with 1.95 m Side Entry and 0.45m2 Grate
- Combination Inlet with 2 m Side Entry and 0.41m2 Grate
- Combination Inlet with 2 m Side Entry and 0.52m2 Grate
- Combination Inlet with 2.1 m Side Entry and 0.45m2 Grate
- Combination Inlet with 2.4 m Side Entry and 0.36m2 Grate
- Combination Inlet with 2.6 m Side Entry and 0.45m2 Grate
- Combination Inlet with 2.7 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.1 m Side Entry and 0.45m2 Grate
- Combination Inlet with 3.2 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.3 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.3 m Side Entry and 0.52m2 Grate
- Combination Inlet with 3.7 m Side Entry and 0.81m2 Grate
- Combination Inlet with 3.8 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.8 m Side Entry and 0.81m2 Grate
- Combination Inlet with 3.9 m Side Entry and 0.36m2 Grate
- Combination Inlet with 4.3 m Side Entry and 0.45m2 Grate
- Combination Inlet with 5.02 m Side Entry and 0.36m2 Grate
- Combination Inlet with 5.2 m Side Entry and 0.36m2 Grate

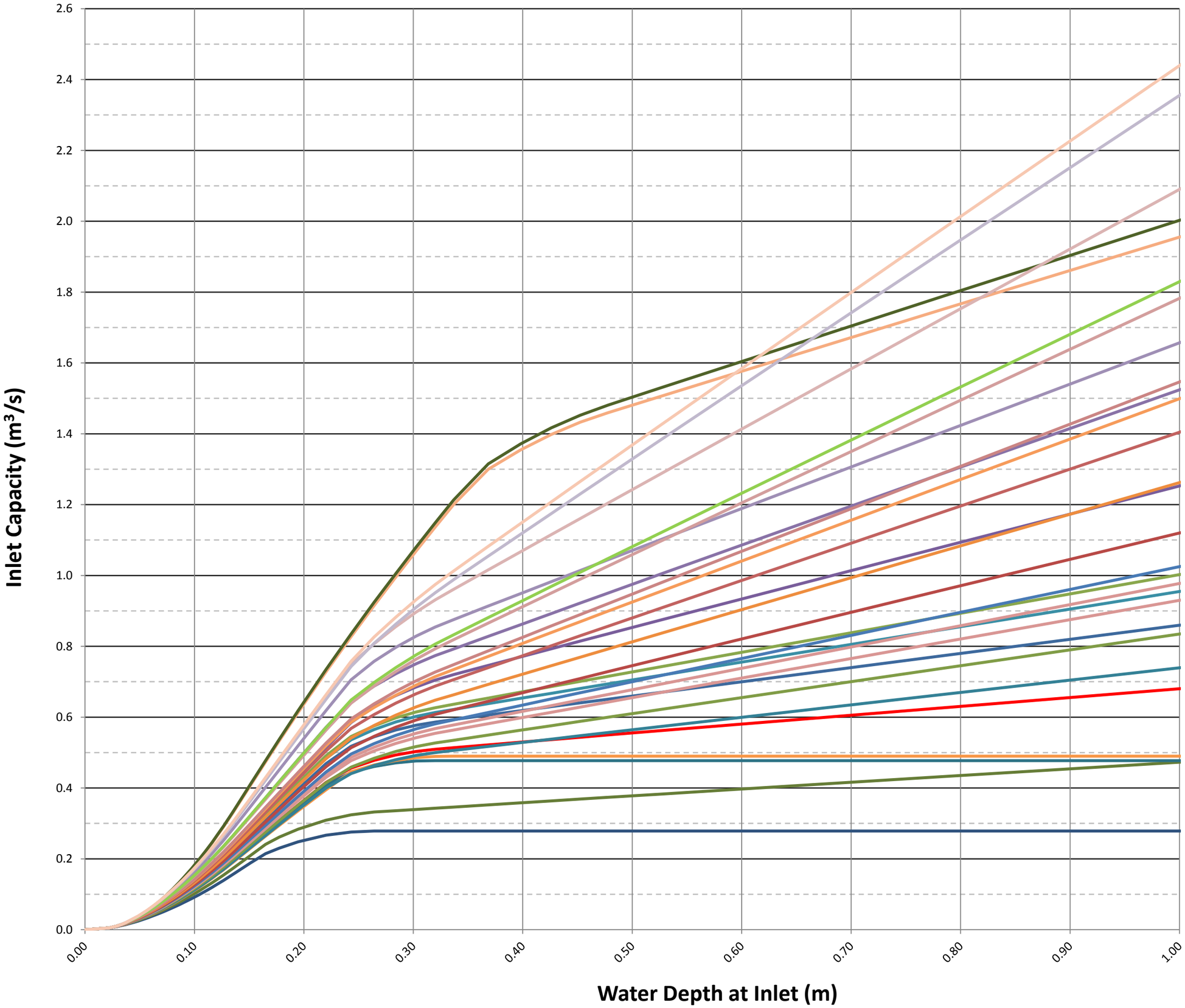
Notes:

Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H5a:
Inlet Capacity Curves for Combination Pits on Grade

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls



PENRITH CITY COUNCIL

LEGEND

- Combination Inlet with 0.45 m Side Entry and 0.24m2 Grate
- Combination Inlet with 0.9 m Side Entry and 0.24m2 Grate
- Combination Inlet with 0.9 m Side Entry and 0.45m2 Grate
- Combination Inlet with 1 m Side Entry and 0.45m2 Grate
- Combination Inlet with 1.4 m Side Entry and 0.41m2 Grate
- Combination Inlet with 1.6 m Side Entry and 0.36m2 Grate
- Combination Inlet with 1.7 m Side Entry and 0.45m2 Grate
- Combination Inlet with 1.8 m Side Entry and 0.36m2 Grate
- Combination Inlet with 1.9 m Side Entry and 0.45m2 Grate
- Combination Inlet with 2 m Side Entry and 0.36m2 Grate
- Combination Inlet with 2 m Side Entry and 0.45m2 Grate
- Combination Inlet with 2.1 m Side Entry and 0.36m2 Grate
- Combination Inlet with 2.2 m Side Entry and 0.36m2 Grate
- Combination Inlet with 2.4 m Side Entry and 0.36m2 Grate
- Combination Inlet with 2.6 m Side Entry and 0.45m2 Grate
- Combination Inlet with 2.7 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.1 m Side Entry and 0.45m2 Grate
- Combination Inlet with 3.2 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.3 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.3 m Side Entry and 0.52m2 Grate
- Combination Inlet with 3.7 m Side Entry and 0.81m2 Grate
- Combination Inlet with 3.8 m Side Entry and 0.36m2 Grate
- Combination Inlet with 3.8 m Side Entry and 0.81m2 Grate
- Combination Inlet with 3.9 m Side Entry and 0.36m2 Grate
- Combination Inlet with 4.3 m Side Entry and 0.45m2 Grate
- Combination Inlet with 5.02 m Side Entry and 0.36m2 Grate
- Combination Inlet with 5.2 m Side Entry and 0.36m2 Grate

Notes:

Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H5b:
Inlet Capacity Curves for Combination Pits on Grade

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls

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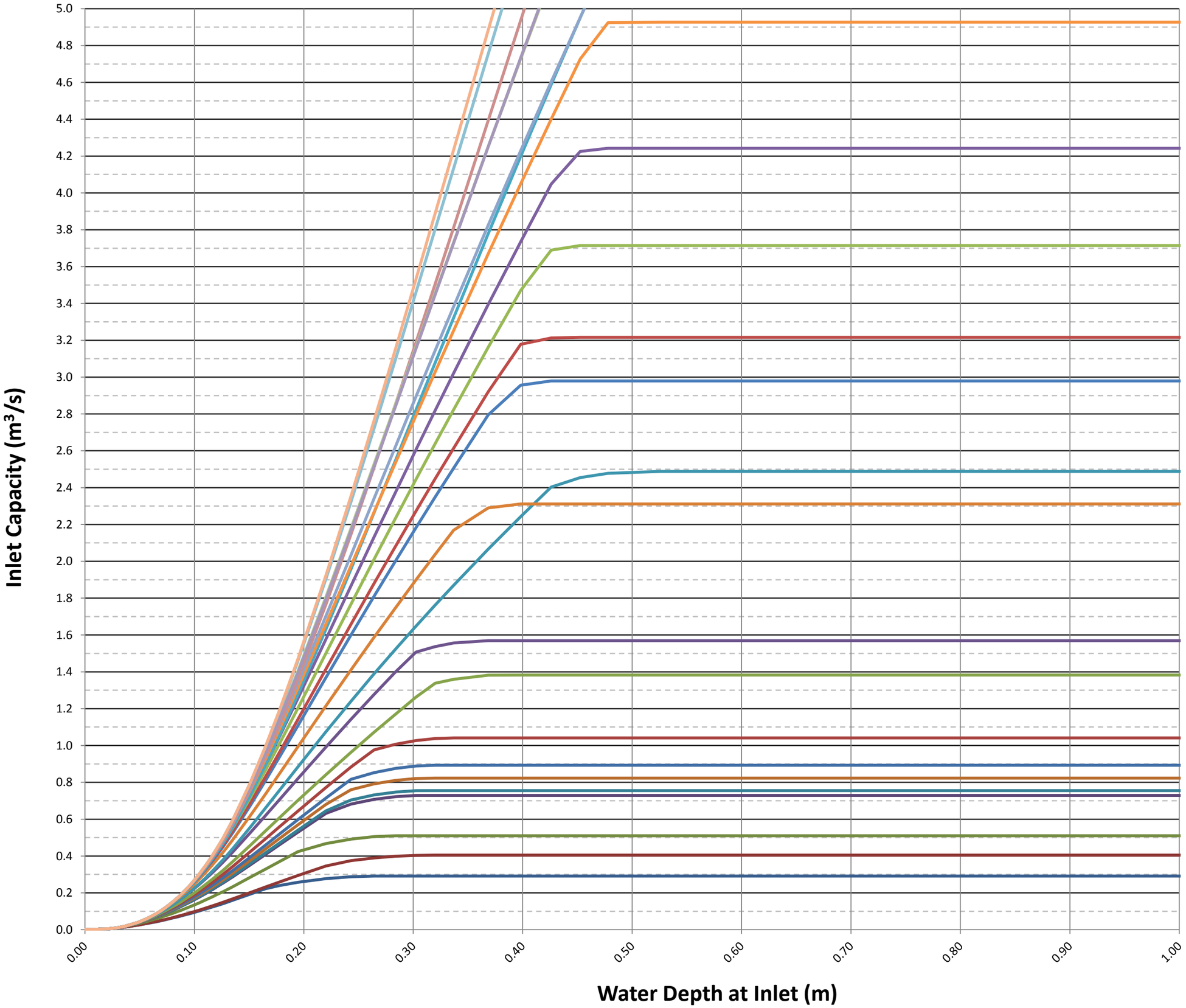


LEGEND

- Inlet with 0.24m2 Grate
- Inlet with 0.36m2 Grate
- Inlet with 0.5m2 Grate
- Inlet with 0.75m2 Grate
- Inlet with 0.8m2 Grate
- Inlet with 0.9m2 Grate
- Inlet with 1m2 Grate
- Inlet with 1.2m2 Grate
- Inlet with 1.6m2 Grate
- Inlet with 2m2 Grate
- Inlet with 2.6m2 Grate
- Inlet with 3.2m2 Grate
- Inlet with 4.4m2 Grate
- Inlet with 4.8m2 Grate
- Inlet with 5.8m2 Grate
- Inlet with 6.8m2 Grate
- Inlet with 7.2m2 Grate
- Inlet with 8.1m2 Grate
- Inlet with 9m2 Grate
- Inlet with 10.2m2 Grate
- Inlet with 11.9m2 Grate
- Inlet with 12.2m2 Grate
- Inlet with 16.8m2 Grate
- Inlet with 18.5m2 Grate

Notes:

Blockage applied to Inlet capacity curves as per section 4.2.6.

Figure H6:
Inlet Capacity Curves for Grated Pits on Grade

Prepared By:

Catchment Simulation Solutions

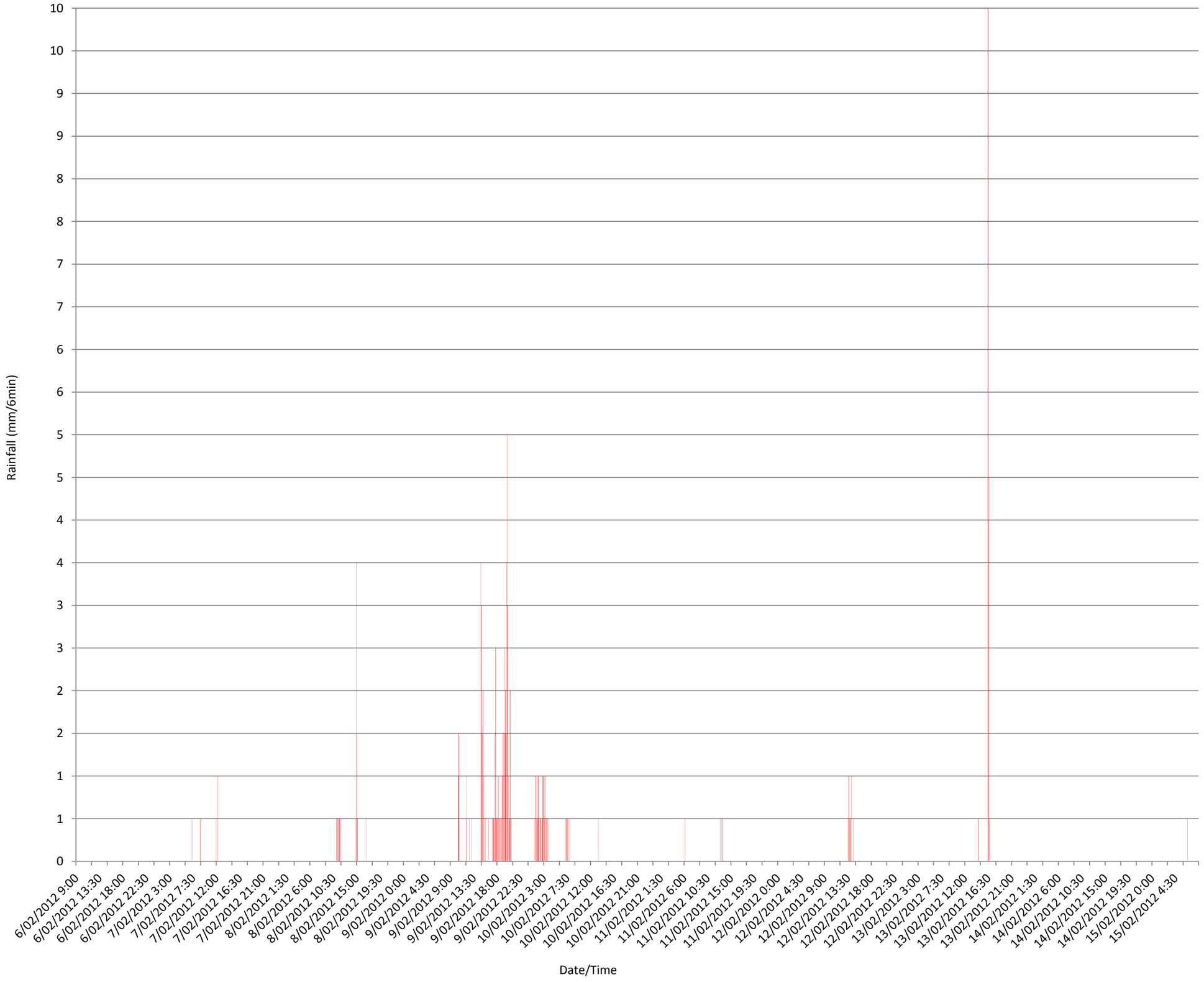
Suite 2.01, 210 George Street

Sydney, NSW, 2000

File Name: Inlet Capcacity Curves.xls

APPENDIX I

HISTORIC RAINFALL



PENRITH CITY COUNCIL

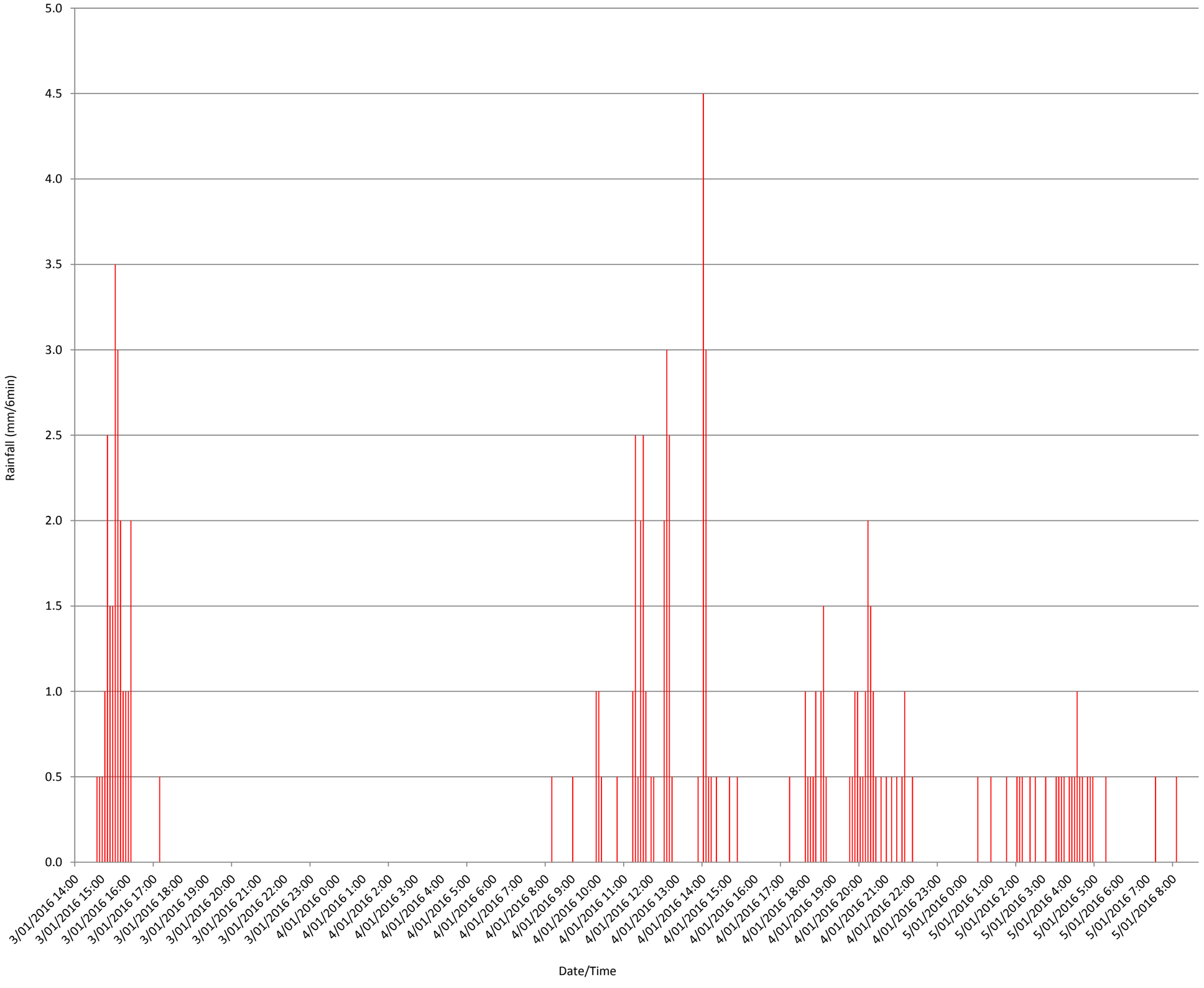
LEGEND:

- Rainfall at Regentville Rural Fire Service Gauge

Notes:

Figure I1: Continuous Rainfall Data for the February 2012 event

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

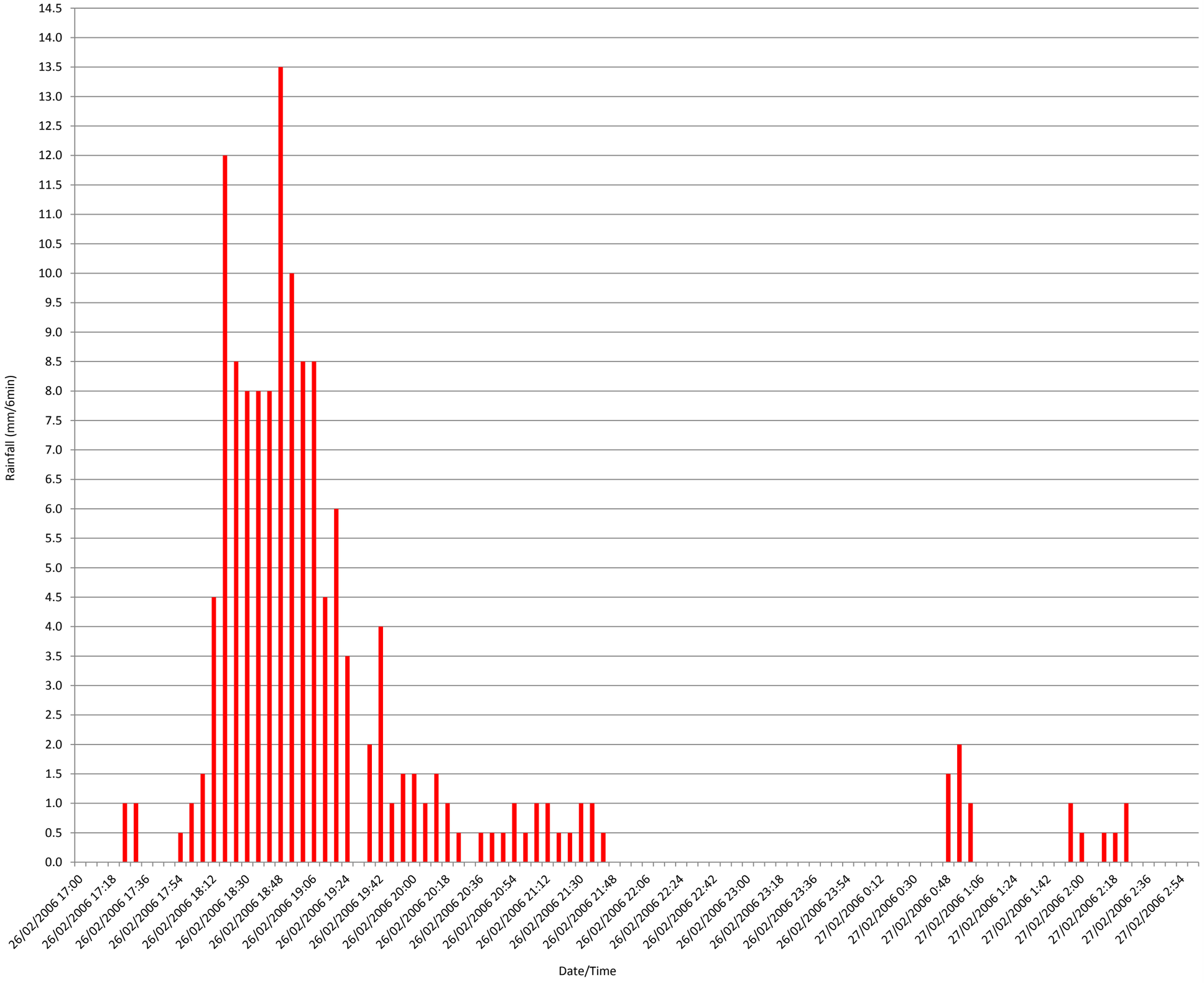
LEGEND:

- Rainfall at Regentville Rural Fire Service Gauge

Notes:

Figure I2: Continuous Rainfall Data for the January 2016 event

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

- Rainfall at Regentville Rural Fire Service Gauge

Notes:

Figure I3: Continuous Rainfall Data for the February 2006 event

Prepared By:
Catchment Simulation Solutions
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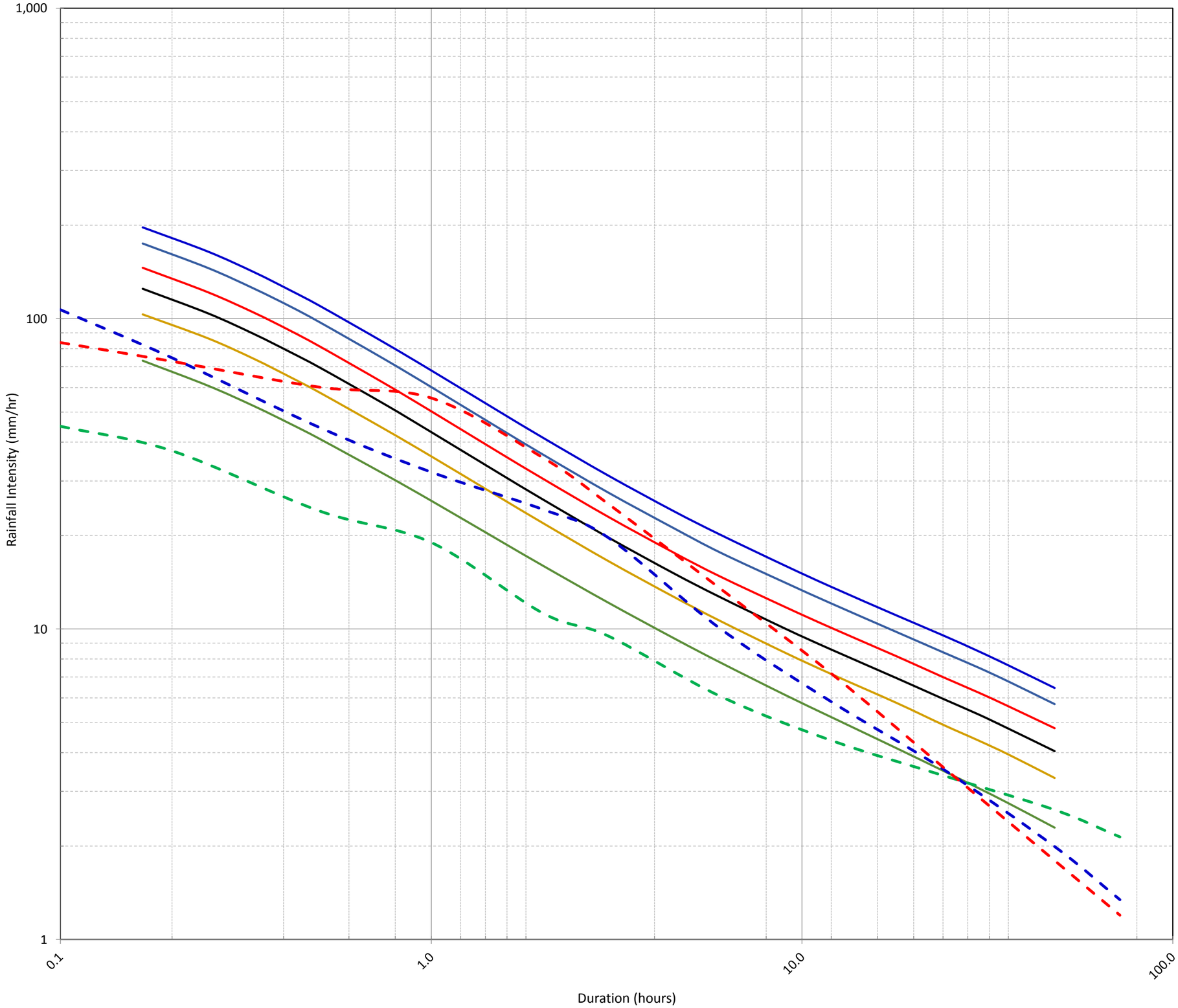
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

- 1% AEP
- 2% AEP
- 5% AEP
- 10% AEP
- 20% AEP
- 50% AEP
- 2016 Rainfall
- 2012 Rainfall
- 2006 Rainfall

Notes:

Figure I4:
Design Intensity - Frequency - Duration Curves Vs Historic Rainfall

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: IFD Comparison.xlsx

APPENDIX J

XP-RAFTS HISTORIC OUTPUTS

PEAK HISTORIC FLOOD DISCHARGES

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
1	110.6	72.3	309.0
2	0.9	0.4	1.8
3	0.7	0.4	1.1
4	1.5	0.9	2.4
5	1.7	1.0	2.8
6	4.2	2.9	8.2
7	5.0	3.4	10.1
8	5.5	3.7	10.7
9	0.7	0.4	1.1
10	6.7	4.2	11.9
11	0.7	0.4	1.1
12	2.8	1.7	4.6
13	0.5	0.3	0.9
14	0.7	0.4	1.2
15	1.5	1.0	2.9
16	10.8	7.4	21.8
17	0.7	0.3	0.9
18	2.5	1.4	3.7
19	0.7	0.5	1.9
20	3.8	2.3	6.5
21	4.5	3.2	9.6
22	11.6	8.2	24.7
23	1.0	0.7	2.2
24	4.4	2.9	8.4
25	5.2	3.5	10.6
26	7.7	5.1	14.5
27	0.9	0.5	1.3
28	0.8	0.5	1.3
29	3.8	2.3	5.9
30	1.0	0.6	1.6
31	15.7	11.3	34.7
32	1.0	0.5	1.3
33	4.9	3.0	7.7
34	17.7	12.5	38.2
35	0.9	0.6	1.6
36	3.4	2.0	5.8
37	1.5	0.9	2.5
38	1.8	1.1	3.0
39	4.3	2.7	7.8
40	16.1	11.7	36.1
41	0.7	0.4	1.0
42	18.5	13.9	43.3
43	1.2	0.6	1.6
44	9.6	7.9	23.7
45	0.7	0.4	1.2
46	18.6	14.0	43.9
47	0.6	0.3	1.0
48	1.0	0.6	1.7
49	0.7	0.4	1.1
50	2.0	1.3	3.7
51	1.1	0.6	1.3
52	2.0	1.2	3.3
53	2.0	1.1	2.9
54	19.1	14.7	46.1
55	1.2	0.6	1.4
56	3.2	1.8	5.0
57	4.3	2.5	6.6

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
58	10.1	8.4	24.3
59	1.8	0.9	2.1
60	11.0	9.2	25.1
61	2.2	1.4	3.9
62	3.3	2.2	6.6
63	1.0	0.6	1.8
64	6.2	4.2	12.3
65	0.5	0.3	0.9
66	19.5	15.4	49.3
67	0.6	0.4	1.0
68	0.8	0.5	1.4
69	7.7	5.4	16.6
70	19.6	15.6	49.9
71	0.8	0.5	1.2
72	24.1	19.7	66.2
73	1.2	0.7	2.2
74	7.0	4.7	14.2
75	0.9	0.4	1.0
76	3.1	1.7	4.2
77	4.0	2.2	5.6
78	11.5	9.6	26.4
79	1.0	0.6	1.6
80	24.3	20.1	67.5
81	1.1	0.5	1.8
82	14.1	10.4	30.9
83	0.9	0.7	1.4
84	2.1	1.1	4.4
85	1.0	0.5	1.9
86	1.8	1.0	4.3
87	0.8	0.4	1.5
88	24.7	20.7	69.2
89	0.8	0.4	1.5
90	24.8	20.9	69.9
91	1.0	0.4	1.6
92	3.3	2.0	7.0
93	2.4	1.4	6.3
94	24.4	17.2	69.5
95	1.3	0.5	1.8
96	1.4	0.6	2.0
97	1.3	0.5	2.1
98	15.4	10.8	36.0
99	1.2	0.6	2.2
100	25.7	17.8	75.1
101	1.0	0.5	1.8
102	3.8	2.2	11.4
103	2.9	1.2	4.3
104	3.6	1.5	5.3
105	1.0	0.4	1.5
106	0.0	0.0	0.0
107	1.4	0.7	2.3
108	4.4	2.4	13.1
109	1.0	0.4	1.7
110	0.0	0.0	0.0
111	1.3	0.6	2.3
112	26.2	18.1	76.5
113	1.1	0.6	2.3
114	1.5	0.7	2.9
115	1.0	0.5	1.9
116	8.6	3.9	14.9

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
117	20.9	20.9	29.2
118	26.4	18.3	77.0
119	1.7	0.8	2.9
120	4.1	2.0	7.8
121	6.8	3.4	13.1
122	5.7	2.5	17.4
123	10.4	4.7	18.1
124	0.0	0.0	0.0
125	1.6	0.7	2.6
126	39.0	28.7	104.1
127	2.2	1.1	4.2
128	4.9	2.6	10.2
129	1.8	0.9	3.5
130	42.9	30.4	113.5
131	3.3	1.7	6.3
132	10.5	4.3	30.7
133	2.7	1.2	4.5
134	11.6	5.4	36.0
135	1.6	0.7	2.7
136	1.6	0.8	3.1
137	1.1	0.5	1.9
138	12.4	6.4	40.2
139	10.5	5.5	21.3
140	0.9	0.4	1.5
141	12.7	6.8	41.6
142	0.6	0.2	0.9
143	13.3	7.4	44.0
144	13.7	7.7	45.5
145	44.2	30.9	115.1
146	2.4	1.3	4.7
147	2.5	1.3	4.8
148	0.9	0.4	1.6
149	2.1	1.0	3.7
150	3.4	1.6	6.1
151	5.4	2.9	10.5
152	0.8	0.4	1.4
153	2.3	2.2	5.8
154	3.2	1.5	5.0
155	58.5	36.9	158.0
156	1.2	0.6	1.7
157	2.1	1.0	3.3
158	1.3	0.6	2.5
159	59.2	37.3	159.9
160	2.2	0.9	3.6
161	2.9	1.3	4.9
162	9.2	4.7	17.8
163	59.6	37.5	160.9
164	1.3	0.5	2.1
165	9.7	5.9	17.1
166	6.3	3.0	11.1
167	9.8	5.8	16.6
168	0.9	0.4	1.6
169	1.1	0.5	1.9
170	1.9	0.9	3.5
171	10.6	6.3	19.3
172	1.5	0.7	3.0
173	2.0	0.9	3.6
174	63.4	39.4	170.3
175	3.9	2.0	7.9

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
176	1.1	0.5	2.1
177	1.4	0.7	2.9
178	2.5	1.3	5.0
179	3.7	1.6	6.1
180	1.0	0.4	1.7
181	64.7	40.1	173.6
182	1.1	0.5	1.9
183	2.9	1.5	5.7
184	0.7	0.3	1.1
185	5.1	2.6	9.9
186	1.2	0.6	2.3
187	1.3	0.7	2.6
188	1.2	0.6	2.2
189	2.8	1.4	5.5
190	1.0	0.5	1.7
191	64.8	40.2	173.9
192	6.8	3.6	14.0
193	12.4	7.5	25.3
194	1.1	0.5	1.9
195	5.3	2.4	8.0
196	1.1	0.6	2.1
197	17.9	10.9	40.0
198	6.8	3.0	10.5
199	64.9	40.3	174.2
200	0.8	0.4	1.6
201	18.2	11.3	42.0
202	6.8	3.4	13.1
203	18.3	11.6	43.3
204	5.6	3.2	13.4
205	65.7	41.0	176.7
206	1.0	0.5	1.8
207	24.1	15.2	57.2
208	1.4	0.7	2.7
209	69.1	42.7	184.8
210	0.9	0.4	1.5
211	69.3	43.0	185.7
212	1.7	0.7	2.5
213	24.7	16.3	62.3
214	2.1	0.9	3.7
215	69.5	43.1	185.8
216	24.8	16.6	64.1
217	69.9	43.5	187.5
218	2.4	1.0	3.3
219	1.9	0.8	3.4
220	1.0	0.4	1.6
221	1.7	0.7	2.7
222	4.5	2.1	8.4
223	4.6	2.2	8.2
224	1.5	0.7	2.7
225	1.9	0.8	3.2
226	1.3	0.6	2.2
227	3.4	1.6	6.0
228	0.8	0.4	1.4
229	4.4	2.1	8.1
230	2.0	1.0	3.7
231	9.7	5.1	20.5
232	1.1	0.5	1.9
233	17.3	9.5	39.1
234	0.4	0.2	0.8

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
235	92.5	57.8	242.8
236	0.6	0.3	1.0
237	17.7	10.0	42.3
238	2.0	1.0	4.2
239	0.4	0.2	0.8
240	1.4	0.6	1.7
241	12.0	6.4	25.7
242	6.5	3.2	12.3
243	12.5	6.9	28.3
244	1.3	0.7	2.5
245	93.3	58.5	244.6
246	1.2	0.5	1.6
247	2.2	0.9	2.8
248	1.2	0.5	1.8
249	4.3	1.8	5.6
250	18.1	10.8	46.4
251	93.6	58.8	245.3
252	2.6	1.1	3.2
253	8.9	4.2	16.5
254	1.6	0.7	2.9
255	104.1	67.3	283.9
256	6.0	2.6	8.2
257	9.2	4.7	19.4
258	11.1	6.4	28.7
259	104.5	67.6	285.5
260	2.4	1.1	4.2
261	2.8	1.5	5.6
262	5.5	2.9	10.8
263	109.2	71.5	304.2
264	0.7	0.4	1.1
265	1.4	0.9	2.4
266	0.9	0.5	1.4
267	2.1	1.4	4.0
268	0.7	0.4	1.2
269	1.4	0.8	2.3
270	0.8	0.5	1.3
271	3.2	2.0	5.8
272	1.6	1.0	3.2
273	2.1	1.3	3.7
274	0.8	0.5	1.3
275	3.3	1.9	5.4
276	0.3	0.2	0.4
277	4.1	2.4	6.8
278	2.4	1.5	4.3
279	4.3	2.7	7.4
280	1.0	0.7	2.2
281	3.9	2.6	7.6
282	1.3	0.8	2.2
283	3.2	2.2	6.4
284	1.9	1.1	3.2
285	0.7	0.4	1.2
286	3.9	2.6	7.2
287	3.9	2.8	8.3
288	10.7	7.3	21.6
289	1.3	0.9	2.6
290	0.8	0.6	1.8
291	1.3	0.8	2.4
292	11.6	8.2	24.7
293	4.4	3.1	9.3

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
294	7.5	4.9	13.9
295	9.6	7.9	23.7
296	20.9	20.9	25.8
297	20.9	20.9	27.1
298	7.8	3.4	13.1
299	1.8	1.0	3.8
300	1.8	0.9	3.5
301	3.3	1.6	6.5
302	7.7	4.1	16.2
303	2.8	1.4	5.6
304	2.0	1.0	3.7
305	6.3	3.1	11.7
306	4.4	2.3	9.0
307	1.0	0.4	1.3
308	12.4	6.7	27.6
309	6.3	3.1	11.9
310	104.5	67.6	285.3
311	10.1	6.0	26.8
312	2.2	1.1	3.9
313	2.0	1.0	3.6
314	9.4	5.0	19.8
315	3.7	1.5	6.1
316	2.6	1.3	4.8
317	12.3	7.4	24.9
318	6.8	3.6	13.9
319	2.8	2.4	5.7
320	2.2	2.2	5.3
321	2.3	2.3	5.3
322	3.0	2.5	5.2
323	2.8	2.5	4.3
324	10.2	4.9	21.4
325	10.5	5.5	21.3
326	8.3	4.4	17.4
327	1.7	0.7	2.6
328	1.5	0.7	2.7
329	0.4	0.2	0.8
330	5.4	3.0	12.2
331	4.7	2.2	7.1
332	2.9	1.3	4.9
333	1.0	0.4	1.5
334	7.3	3.8	14.9
335	0.9	0.4	1.6
336	2.0	0.9	3.3
337	1.2	0.5	2.0
338	1.2	0.6	2.2
339	2.1	1.0	2.6
340	1.6	1.0	2.7
341	0.8	0.5	1.4
342	10.0	8.3	24.3
343	8.1	3.6	13.7
344	2.7	1.4	5.3
345	0.7	0.3	1.3
346	0.6	0.3	1.1
347	0.9	0.4	1.5
348	6.0	3.1	12.0
349	6.4	3.2	12.3
350	1.6	0.7	2.7
351	24.3	15.5	58.5
352	2.4	1.1	3.8

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
353	3.1	1.3	4.2
354	0.8	0.4	1.5
355	17.8	10.3	44.1
356	18.0	10.6	45.4
357	0.8	0.4	1.6
358	8.3	3.8	15.0
359	6.8	3.1	12.2
360	8.8	4.1	15.8
361	4.2	2.7	10.6
362	1.2	0.6	2.1
363	0.7	0.4	1.4
364	0.8	0.4	1.4
365	0.9	0.5	1.8
366	1.0	0.4	1.5
367	3.7	2.9	5.9
368	0.8	0.3	1.3
369	2.3	1.2	4.5
370	1.4	0.7	2.6
371	1.0	0.4	1.7
372	0.9	0.4	1.5
373	1.9	0.9	3.3
374	0.7	0.3	1.0
375	1.6	0.9	2.6
376	1.2	0.7	1.8
377	10.1	4.6	17.6
378	58.3	36.8	157.5
379	0.5	0.2	0.7
380	3.9	1.8	7.0
381	0.7	0.3	1.3
382	1.0	0.5	1.9
383	0.2	0.1	0.4
384	11.8	7.0	22.8
385	24.1	15.2	57.1
386	1.4	0.8	2.3
387	0.8	0.4	1.3
388	3.3	1.9	5.4
389	26.1	18.1	76.3
390	0.2	0.1	0.3
391	1.3	0.6	2.5
392	0.4	0.2	0.8
393	0.2	0.1	0.4
394	0.8	0.4	1.7
395	1.3	0.6	2.1
396	0.7	0.3	1.3
397	12.0	6.4	25.5
398	0.2	0.1	0.4
399	0.1	0.0	0.2
400	1.7	0.8	2.9
401	1.7	0.9	3.5
402	1.2	0.5	1.7
403	0.7	0.3	1.2
404	5.8	2.8	10.2
405	2.4	0.9	3.7
406	1.6	0.7	2.6
407	26.1	18.0	76.3
408	5.6	2.8	16.8
409	5.8	2.8	17.4
410	10.4	4.3	30.6
411	0.9	0.5	1.5

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
412	1.2	0.7	1.9
413	1.0	0.6	1.9
414	1.6	0.8	2.2
415	1.7	0.9	2.4
416	0.5	0.2	0.9
417	0.6	0.3	1.0
418	1.2	0.6	2.2
419	4.2	2.2	8.8
420	13.6	7.7	45.2
421	0.5	0.2	0.8
422	5.5	2.4	9.4
423	2.7	1.2	4.5
424	2.1	0.9	3.5
425	0.5	0.2	0.7
426	0.5	0.3	0.7
427	0.7	0.4	1.1
428	0.9	0.5	1.1
429	13.1	9.0	26.4
430	0.2	0.1	0.3
431	0.7	0.3	0.8
432	0.5	0.2	0.6
433	1.2	0.5	1.8
434	0.7	0.3	1.3
435	0.4	0.2	0.6
436	4.1	2.6	10.1
437	4.0	2.3	8.9
438	4.0	2.2	8.5
439	3.9	2.2	8.3
440	3.3	2.0	7.0
441	3.3	2.0	6.8
442	3.2	1.9	6.4
443	4.1	2.8	11.2
444	3.8	2.2	11.4
445	0.4	0.2	0.7
446	0.2	0.1	0.4
447	1.1	0.6	2.1
448	0.7	0.3	1.3
449	0.6	0.3	1.1
450	0.1	0.0	0.1
451	0.2	0.1	0.4
452	0.1	0.1	0.2
453	1.8	0.9	3.9
454	0.3	0.2	0.4
455	1.8	1.0	4.1
456	0.1	0.0	0.2
457	0.4	0.2	0.7
458	0.2	0.1	0.2
459	0.5	0.2	0.8
460	0.8	0.3	1.3
461	1.0	0.5	1.7
462	0.4	0.2	0.9
463	0.2	0.1	0.3
464	0.2	0.1	0.5
465	0.1	0.0	0.1
466	0.3	0.1	0.5
467	1.1	0.6	2.2
468	0.8	0.3	1.3
469	0.5	0.2	0.8
470	0.3	0.1	0.4

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
471	0.2	0.1	0.4
472	0.2	0.1	0.3
473	0.3	0.1	0.5
474	1.0	0.5	1.8
475	0.8	0.4	1.5
476	0.1	0.0	0.1
477	0.1	0.1	0.2
478	0.3	0.1	0.4
479	0.4	0.2	0.7
480	1.0	0.5	1.8
481	1.2	0.6	2.2
482	0.0	0.0	0.0
483	0.1	0.0	0.2
484	0.2	0.1	0.4
485	0.5	0.2	0.8
486	0.5	0.2	0.8
487	0.1	0.0	0.1
488	0.1	0.1	0.2
489	0.9	0.5	1.9
490	0.0	0.0	0.1
491	0.2	0.1	0.3
492	0.4	0.2	0.7
493	0.1	0.0	0.1
494	0.1	0.0	0.2
495	0.1	0.1	0.2
496	0.2	0.1	0.3
497	0.4	0.2	0.8
498	0.2	0.1	0.4
499	0.2	0.1	0.3
500	0.2	0.1	0.3
501	0.2	0.1	0.4
502	10.4	4.7	18.0
503	0.3	0.1	0.5
504	0.4	0.2	0.8
505	0.2	0.1	0.3
506	0.1	0.1	0.2
507	0.2	0.1	0.4
508	0.1	0.1	0.2
509	0.3	0.2	0.7
510	1.2	0.6	2.3
511	1.5	0.8	3.0
512	1.6	0.9	3.1
513	0.9	0.4	1.5
514	0.3	0.1	0.5
515	0.4	0.2	0.6
516	0.1	0.1	0.2
517	0.2	0.1	0.3
518	0.4	0.2	0.9
519	0.4	0.2	0.9
520	0.7	0.3	1.3
521	0.2	0.1	0.3
522	0.2	0.1	0.4
523	0.2	0.1	0.4
524	0.3	0.2	0.6
525	1.1	0.5	1.3
526	0.2	0.1	0.4
527	1.2	0.6	2.2
528	0.2	0.1	0.3
529	0.1	0.0	0.1

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
530	0.6	0.3	1.0
531	0.2	0.1	0.3
532	0.0	0.0	0.1
533	0.4	0.2	0.6
534	0.7	0.3	0.9
535	0.4	0.2	0.8
536	0.4	0.2	0.8
537	0.4	0.2	0.7
538	0.0	0.0	0.1
539	0.1	0.1	0.2
540	0.2	0.1	0.3
541	0.5	0.2	0.8
542	0.2	0.1	0.4
543	1.0	0.5	1.9
544	0.2	0.1	0.4
545	0.5	0.2	0.9
546	0.6	0.3	1.0
547	0.9	0.5	1.9
548	1.0	0.5	2.0
549	0.7	0.3	1.3
550	1.2	0.6	2.2
551	2.7	1.3	5.3
552	2.8	1.4	5.4
553	1.0	0.5	1.8
554	0.1	0.0	0.2
555	0.4	0.2	0.7
556	4.9	2.6	10.5
557	4.6	2.4	9.5
558	0.6	0.3	1.1
559	0.4	0.2	0.7
560	0.3	0.1	0.5
561	0.1	0.0	0.2
562	0.2	0.1	0.4
563	0.4	0.2	0.5
564	0.2	0.1	0.2
565	0.4	0.2	0.7
566	0.7	0.3	1.2
567	0.8	0.4	1.4
568	1.0	0.4	1.8
569	0.1	0.1	0.3
570	1.2	0.5	2.1
571	0.1	0.1	0.2
572	0.5	0.2	0.7
573	0.7	0.3	1.0
574	0.3	0.1	0.4
575	0.2	0.1	0.4
576	0.1	0.0	0.2
577	0.2	0.1	0.5
578	0.1	0.1	0.2
579	1.5	0.6	2.4
580	0.1	0.0	0.2
581	6.4	2.9	9.9
582	0.3	0.1	0.4
583	0.2	0.1	0.3
584	0.4	0.2	0.6
585	1.1	0.5	1.8
586	1.0	0.4	1.6
587	0.2	0.1	0.3
588	0.1	0.0	0.1

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
589	0.4	0.2	0.6
590	0.5	0.2	0.8
591	0.7	0.3	1.1
592	0.2	0.1	0.2
593	0.2	0.1	0.3
594	0.2	0.1	0.3
595	0.4	0.2	0.7
596	0.2	0.1	0.2
597	0.2	0.1	0.2
598	0.3	0.1	0.4
599	0.6	0.3	1.0
600	0.2	0.1	0.3
601	0.1	0.1	0.2
602	0.3	0.2	0.5
603	0.7	0.3	1.0
604	1.6	0.7	2.5
605	0.2	0.1	0.3
606	0.1	0.1	0.2
607	1.1	0.5	1.6
608	0.5	0.2	0.6
609	1.0	0.4	1.5
610	0.6	0.2	0.8
611	0.1	0.0	0.1
612	1.8	0.8	2.8
613	0.1	0.0	0.1
614	0.4	0.2	0.6
615	0.4	0.2	0.7
616	0.1	0.0	0.1
617	0.3	0.1	0.5
618	0.4	0.2	0.4
619	0.8	0.4	1.5
620	1.0	0.5	1.9
621	0.1	0.1	0.2
622	0.2	0.1	0.4
623	0.4	0.2	0.8
624	0.4	0.2	0.8
625	0.4	0.2	0.8
626	1.3	0.6	2.6
627	0.4	0.2	0.6
628	0.2	0.1	0.3
629	0.2	0.1	0.3
630	0.1	0.0	0.2
631	0.3	0.1	0.6
632	0.2	0.1	0.3
633	0.3	0.1	0.5
634	0.5	0.2	0.7
635	0.6	0.3	1.0
636	0.3	0.1	0.5
637	0.4	0.2	0.8
638	0.3	0.1	0.5
639	0.8	0.4	1.6
640	0.4	0.2	0.6
641	0.2	0.1	0.4
642	0.7	0.3	0.9
643	0.5	0.2	0.6
644	1.4	0.6	1.7
645	0.4	0.2	0.6
646	1.1	0.5	1.9
647	0.5	0.2	0.8

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
648	0.2	0.1	0.2
649	0.7	0.3	1.1
650	1.0	0.4	1.5
651	0.3	0.1	0.4
652	0.3	0.1	0.4
653	0.4	0.2	0.6
654	0.5	0.2	0.7
655	0.3	0.1	0.4
656	0.1	0.1	0.2
657	0.2	0.1	0.4
658	0.1	0.0	0.2
659	0.4	0.2	0.5
660	0.2	0.1	0.3
661	0.1	0.0	0.2
662	0.7	0.3	1.1
663	0.2	0.1	0.2
664	2.1	0.8	3.2
665	1.2	0.5	1.9
666	8.2	4.4	17.2
667	0.3	0.1	0.5
668	0.2	0.1	0.3
669	1.3	0.6	2.1
670	1.2	0.5	2.1
671	0.7	0.3	1.1
672	2.2	1.0	4.0
673	0.3	0.1	0.4
674	0.1	0.1	0.2
675	0.4	0.2	0.8
676	0.3	0.1	0.4
677	0.7	0.3	1.4
678	1.0	0.5	1.9
679	1.3	0.7	2.6
680	0.5	0.2	0.8
681	0.1	0.1	0.2
682	0.4	0.2	0.6
683	3.9	2.0	7.9
684	0.2	0.1	0.4
685	0.1	0.0	0.1
686	0.1	0.0	0.1
687	0.1	0.0	0.2
688	0.5	0.2	0.7
689	0.2	0.1	0.4
690	0.3	0.1	0.5
691	0.3	0.2	0.6
692	0.1	0.0	0.1
693	0.2	0.1	0.3
694	1.2	0.6	2.3
695	1.9	1.0	3.9
696	4.2	2.2	8.1
697	0.4	0.2	0.6
698	0.5	0.2	0.7
699	0.1	0.0	0.2
700	0.6	0.3	1.0
701	0.8	0.3	1.2
702	0.7	0.3	1.0
703	0.4	0.2	0.6
704	0.1	0.0	0.1
705	0.1	0.0	0.1
706	0.1	0.1	0.2

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
707	0.6	0.3	1.0
708	6.4	3.4	13.0
709	6.6	3.4	13.4
710	6.6	3.5	13.5
711	0.2	0.1	0.3
712	0.3	0.1	0.4
713	0.3	0.1	0.4
714	0.4	0.2	0.6
715	12.0	7.2	23.7
716	0.2	0.1	0.4
717	5.7	2.9	11.2
718	0.7	0.3	1.0
719	0.5	0.2	0.8
720	0.2	0.1	0.4
721	0.3	0.1	0.4
722	0.2	0.1	0.4
723	0.3	0.1	0.5
724	0.3	0.1	0.5
725	0.8	0.4	1.6
726	0.3	0.1	0.5
727	17.8	10.8	39.3
728	0.1	0.0	0.2
729	0.1	0.0	0.2
730	0.1	0.0	0.1
731	0.2	0.1	0.3
732	0.8	0.4	1.4
733	0.2	0.1	0.3
734	0.1	0.0	0.2
735	0.2	0.1	0.2
736	0.8	0.4	1.6
737	0.4	0.2	0.7
738	0.4	0.2	0.7
739	0.2	0.1	0.4
740	0.6	0.3	1.2
741	0.1	0.0	0.2
742	0.2	0.1	0.4
743	0.2	0.1	0.4
744	0.3	0.1	0.5
745	0.1	0.0	0.2
746	0.2	0.1	0.3
747	0.2	0.1	0.4
748	0.3	0.2	0.6
749	0.2	0.1	0.3
750	0.1	0.1	0.3
751	0.4	0.2	0.7
752	24.7	16.2	62.1
753	0.3	0.1	0.4
754	0.7	0.3	0.9
755	1.1	0.4	1.4
756	0.0	0.0	0.1
757	0.0	0.0	0.0
758	1.6	0.6	2.2
759	0.4	0.2	0.7
760	0.3	0.1	0.4
761	0.3	0.1	0.5
762	0.5	0.2	0.9
763	12.4	6.8	27.8
764	0.2	0.1	0.3
765	6.4	3.2	12.0

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
766	1.0	0.5	1.8
767	0.4	0.2	0.7
768	0.1	0.1	0.2
769	0.2	0.1	0.3
770	0.1	0.1	0.2
771	0.1	0.0	0.1
772	0.3	0.1	0.5
773	0.5	0.2	0.7
774	0.2	0.1	0.2
775	0.4	0.2	0.5
776	0.3	0.1	0.4
777	0.2	0.1	0.4
778	0.5	0.2	0.9
779	0.0	0.0	0.0
780	0.4	0.2	0.7
781	0.1	0.0	0.1
782	0.1	0.0	0.1
783	0.1	0.1	0.2
784	0.1	0.0	0.1
785	0.0	0.0	0.0
786	0.3	0.1	0.3
787	0.7	0.3	1.2
788	0.1	0.0	0.1
789	0.1	0.0	0.1
790	0.2	0.1	0.3
791	0.1	0.0	0.2
792	0.2	0.1	0.3
793	0.2	0.1	0.4
794	0.1	0.1	0.2
795	0.2	0.1	0.3
796	0.2	0.1	0.3
797	1.1	0.5	2.1
798	0.2	0.1	0.4
799	0.2	0.1	0.3
800	0.3	0.1	0.5
801	1.0	0.5	2.0
802	0.0	0.0	0.1
803	0.2	0.1	0.3
804	5.5	2.9	10.7
805	5.0	2.6	9.8
806	2.7	1.4	5.3
807	2.4	1.2	4.5
808	0.4	0.2	0.6
809	0.4	0.2	0.5
810	1.0	0.5	2.0
811	0.8	0.4	1.5
812	0.2	0.1	0.3
813	0.7	0.3	1.2
814	10.2	6.1	27.0
815	11.1	6.4	28.6
816	0.1	0.0	0.1
817	0.2	0.1	0.3
818	92.4	57.7	242.5
819	0.0	0.0	0.1
820	0.7	0.3	1.3
821	92.3	57.6	242.3
822	24.8	16.6	63.9
823	0.5	0.3	1.1
824	0.4	0.2	0.7

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
825	0.0	0.0	0.1
826	0.3	0.1	0.4
827	0.4	0.2	0.6
828	0.5	0.2	0.7
829	1.0	0.5	1.5
830	0.5	0.2	0.8
831	0.2	0.1	0.4
832	0.3	0.1	0.5
833	0.2	0.1	0.3
834	0.2	0.1	0.4
835	0.1	0.0	0.1
836	1.0	0.5	2.0
837	0.4	0.2	0.6
838	0.1	0.1	0.2
839	0.6	0.3	1.2
840	0.2	0.1	0.3
841	0.5	0.2	0.8
842	0.1	0.0	0.1
843	0.9	0.4	1.6
844	1.1	0.5	2.0
845	1.8	0.9	3.5
846	0.3	0.1	0.4
847	0.6	0.3	1.1
848	0.3	0.1	0.5
849	0.4	0.2	0.6
850	0.2	0.1	0.3
851	1.1	0.5	2.0
852	0.6	0.2	0.9
853	0.8	0.3	1.3
854	0.7	0.3	1.1
855	0.1	0.1	0.2
856	0.2	0.1	0.3
857	0.0	0.0	0.0
858	0.1	0.0	0.1
859	0.2	0.1	0.3
860	0.3	0.1	0.5
861	0.2	0.1	0.3
862	0.4	0.2	0.5
863	0.4	0.2	0.6
864	1.5	0.7	2.6
865	1.8	0.8	3.0
866	2.0	0.9	3.3
867	0.4	0.2	0.6
868	0.3	0.1	0.5
869	0.1	0.1	0.3
870	1.3	0.6	2.2
871	0.0	0.0	0.1
872	1.1	0.5	1.7
873	0.4	0.2	0.7
874	3.8	1.9	7.2
875	3.9	1.9	7.4
876	4.0	2.0	7.6
877	0.7	0.3	1.1
878	0.2	0.1	0.3
879	5.9	2.9	10.9
880	0.3	0.1	0.5
881	0.1	0.0	0.2
882	1.4	0.7	2.6
883	1.3	0.7	2.5

	Peak Discharge (m^3/s)		
Calibration Event Subcatchment ID	**2012**	**2016**	**2006**
884	7.1	3.7	14.4
885	4.9	2.6	10.1
886	0.3	0.2	0.5
887	0.2	0.1	0.4
888	0.3	0.1	0.5
889	0.2	0.1	0.3
890	0.3	0.1	0.5
891	0.4	0.2	0.7
892	1.7	0.8	2.9
893	0.4	0.2	0.7
894	0.5	0.2	0.8
895	0.3	0.1	0.5
896	2.4	1.1	4.1
897	0.4	0.2	0.8
898	0.3	0.2	0.6
899	0.1	0.0	0.1
900	0.3	0.1	0.5
901	0.3	0.1	0.5
902	0.4	0.2	0.6
903	0.3	0.1	0.4
904	4.8	2.5	9.9
905	0.2	0.1	0.3
906	0.4	0.2	0.7
907	2.1	1.1	4.3
908	1.2	0.7	2.5
909	1.7	0.8	3.2
910	0.3	0.2	0.6
911	0.2	0.1	0.3
912	3.3	1.7	6.4
913	0.2	0.1	0.3
914	0.1	0.1	0.2
915	0.3	0.1	0.5
916	0.6	0.3	1.1
917	2.3	1.0	3.0
918	1.3	0.6	1.7
919	0.3	0.1	0.4
920	0.5	0.2	0.7
921	0.9	0.4	1.5
922	1.2	0.5	2.1
923	0.5	0.2	0.8
924	0.4	0.2	0.7
925	2.0	0.9	3.6
926	0.3	0.1	0.5
927	0.5	0.2	0.7
928	0.2	0.1	0.2
929	0.3	0.1	0.5
930	0.1	0.1	0.2
931	1.0	0.4	1.7
932	0.5	0.2	0.7
933	0.4	0.2	0.7
934	0.4	0.2	0.6
935	1.0	0.4	1.6

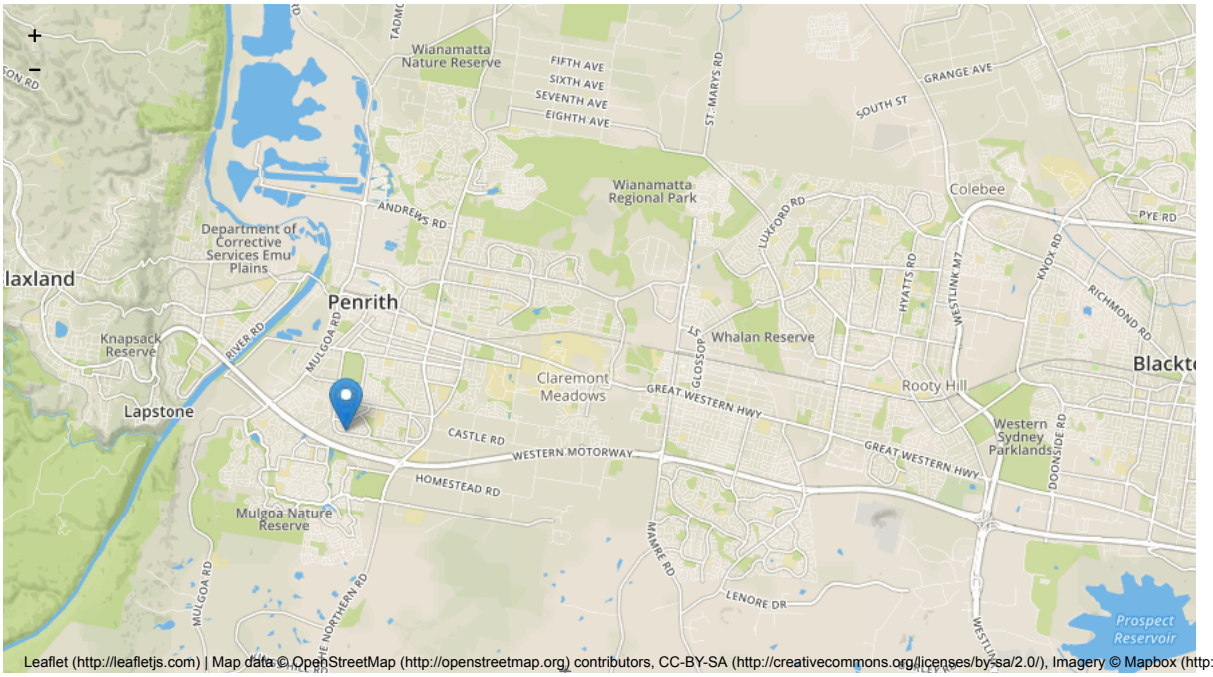
APPENDIX K

DESIGN HYDROLOGIC INPUTS

Australian Rainfall & Runoff Data Hub - Results

Input Data

Longitude	150.689
Latitude	-33.779
Selected Regions (clear)	
River Region	show
ARF Parameters	show
Temporal Patterns	show
Areal Temporal Patterns	show
Interim Climate Change Factors	show



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Region Information

Data Category	Region
River Region	Hawkesbury River
ARF Parameters	SE Coast
Temporal Patterns	East Coast South

Data

River Region

division	South East Coast (NSW)
rivregnum	12
River Region	Hawkesbury River

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v1

ARF Parameters

Long Duration ARF

$$ARF = Min\left\{1, \left[1 - a\left(Area^{b} - c\log_{10}Duration\right)Duration^{-d} + eArea^{f}Duration^{g}\left(0.3 + \log_{10}AEP\right) + h10^{iArea\frac{Duration}{1440}}\left(0.3 + \log_{10}AEP\right)\right]\right\}$$

Zone	a	b	c	d	e	f	g	h	i
SE Coast	0.06	0.361	0.0	0.317	8.11e-05	0.651	0.0	0.0	0.0

Short Duration ARF

$$ARF = Min\left[1, 1 - 0.287\left(Area^{0.265} - 0.439\log_{10}(Duration)\right).Duration^{-0.36} + 2.26\text{ x }10^{-3}\text{ x }Area^{0.226}.Duration^{0.125}\left(0.3 + \log_{10}(AEP)\right) + 0.0141\text{ x }Area^{0.213}\text{ x }10^{-0.021\frac{(Duration-180)^2}{1440}}\left(0.3 + \log_{10}(AEP)\right)\right]$$

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v1

Storm Losses

Note: Burst Loss = Storm Loss - Preburst

Note: These losses are only for rural use and are NOT FOR USE in urban areas

Storm Initial Losses (mm)	46.0
Storm Continuing Losses (mm/h)	3.4

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v1

Temporal Patterns | Download (.zip) (./temporal_patterns/tp/ECsouth.zip)

code	ECsouth
Label	East Coast South

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v2

Areal Temporal Patterns | Download (.zip) (./temporal_patterns/areal/Areal_ECsouth.zip)

code	ECsouth
arealabel	East Coast South

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v2

BOM IFD Depths

Click here (http://www.bom.gov.au/water/designRainfalls/revised-ifd/?year=2016&coordinate_type=dd&latitude=-33.7787951889&longitude=150.689456078&sdmin=true&sdhr=true&sdday=true&user_label=) to obtain the IFD depths for catchment centroid from the BoM website

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v2

Median Preburst Depths and Ratios

Values are of the format depth (ratio) with depth in mm

min (h)\AEP(%)	50	20	10	5	2	1
60 (1.0)	1.7 (0.066)	1.4 (0.038)	1.2 (0.026)	0.9 (0.018)	2.6 (0.043)	3.9 (0.056)
90 (1.5)	0.6 (0.019)	1.0 (0.023)	1.2 (0.025)	1.5 (0.026)	1.1 (0.016)	0.9 (0.011)
120 (2.0)	0.0 (0.0)	0.2 (0.004)	0.3 (0.006)	0.4 (0.007)	1.2 (0.017)	1.9 (0.022)
180 (3.0)	1.7 (0.047)	3.2 (0.063)	4.1 (0.068)	5.0 (0.072)	3.6 (0.043)	2.5 (0.027)
360 (6.0)	3.8 (0.081)	10.9 (0.168)	15.6 (0.201)	20.1 (0.222)	17.5 (0.161)	15.5 (0.126)
720 (12.0)	1.5 (0.024)	5.8 (0.066)	8.6 (0.081)	11.3 (0.092)	16.8 (0.114)	21.0 (0.125)
1080 (18.0)	1.4 (0.018)	6.3 (0.059)	9.5 (0.074)	12.6 (0.084)	15.9 (0.088)	18.4 (0.09)
1440 (24.0)	0.0 (0.0)	4.1 (0.034)	6.8 (0.046)	9.4 (0.054)	11.4 (0.055)	13.0 (0.055)
2160 (36.0)	0.0 (0.0)	2.1 (0.015)	3.5 (0.02)	4.9 (0.023)	5.7 (0.023)	6.3 (0.022)
2880 (48.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.5 (0.002)	0.8 (0.003)
4320 (72.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)

Layer Info

Time Accessed	13 February 2018 10:00AM
Version	2016_v2

GSDM CALCULATION SHEET

LOCATION INFORMATION

Catchment Peach Tree & Lower Surveyors Creek Area 23.94 km^2

State New South Wales Duration Limit 6.0 hrs

Latitude 33.7777^0S Longitude 150.6918^0E

Portion of Area Considered:

Smooth, **S** = 0.00 (0.0 - 1.0) Rough, **R** = 1.00 (0.0 - 1.0)

ELEVATION ADJUSTMENT FACTOR (EAF)

Mean Elevation 46 m

Adjustment for Elevation (-0.05 per 300m above 1500m) 0.00

EAF = **1.00** (0.85 – 1.00)

MOISTURE ADJUSTMENT FACTOR (MAF)

MAF = **0.70** (0.40-1.00)

PMP VALUES (mm)

Duration (hours)	Initial Depth -Smooth (D_S)	Initial Depth -Rough (D_R)	PMP Estimate = (D_SxS + D_RxR) x MAF x EAF	Rounded PMP Estimate (nearest 10 mm)
0.25	197	197	138	140
0.50	291	291	203	200
0.75	370	370	259	260
1.00	436	436	306	310
1.50	499	560	392	390
2.00	560	652	457	460
2.50	596	723	506	510
3.00	626	787	551	550
4.00	695	898	628	630
5.00	748	987	691	690
6.00	794	1052	736	740

Prepared By D. Tetley Date 20/02/2018

Checked By C. Ryan Date 12/04/2018

GSDM SPATIAL DISTRIBUTION

GSDM SPATIAL DISTRIBUTION (continued)

DURATION = 0.25 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	232	162	422	422	162
B	12.57	15.17	205	144	2178	1756	140
C	8.78	23.94	197	138	3306	1128	129
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DURATION = 0.50 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	336	235	610	610	235
B	12.57	15.17	303	212	3212	2602	207
C	8.78	23.94	291	203	4872	1659	189
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

GSDM SPATIAL DISTRIBUTION (continued)

DURATION = 0.75 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	425	298	772	772	298
B	12.57	15.17	384	269	4080	3308	263
C	8.78	23.94	370	259	6210	2130	243
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DURATION = 1.0 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	493	345	896	896	345
B	12.57	15.17	451	316	4788	3892	310
C	8.78	23.94	436	306	7316	2528	288
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

GSDM SPATIAL DISTRIBUTION (continued)

DURATION = 1.5 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	636	445	1156	1156	445
B	12.57	15.17	577	404	6130	4975	396
C	8.78	23.94	560	392	9384	3254	371
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DURATION = 2.0 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	744	521	1352	1352	521
B	12.57	15.17	675	473	7167	5815	463
C	8.78	23.94	652	457	10933	3766	429
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

GSDM SPATIAL DISTRIBUTION (continued)

DURATION = 2.5 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	821	575	1492	1492	575
B	12.57	15.17	745	522	7910	6419	511
C	8.78	23.94	723	506	12123	4213	480
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DURATION = 3.0 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	901	631	1637	1637	631
B	12.57	15.17	814	570	8639	7002	557
C	8.78	23.94	787	551	13186	4548	518
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

GSDM SPATIAL DISTRIBUTION (continued)

DURATION = 4.0 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	1030	721	1871	1871	721
B	12.57	15.17	930	651	9879	8008	637
C	8.78	23.94	898	628	15047	5168	589
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DURATION = 5.0 Hours

Ellipse	Catchment Area Between Ellipse (km^2)	Catchment Area Enclosed by Ellipse (km^2)	Initial Mean Rainfall Depth (mm)	Adjusted Mean Rainfall Depth (mm)	Rainfall Volume enclosed by Ellipse ($mm.km^2$)	Rainfall Volume between Ellipses ($mm.km^2$)	Mean Rainfall Depth between ellipses (mm)
A	2.60	2.60	1135	795	2062	2062	795
B	12.57	15.17	1023	716	10860	8798	700
C	8.78	23.94	987	691	16536	5676	647
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

GSDM SPATIAL DISTRIBUTION (continued)

DURATION = 6.0 Hours							
Ellipse	**Catchment Area Between Ellipse (km^2)**	**Catchment Area Enclosed by Ellipse (km^2)**	**Initial Mean Rainfall Depth (mm)**	**Adjusted Mean Rainfall Depth (mm)**	**Rainfall Volume enclosed by Ellipse ($mm.km^2$)**	**Rainfall Volume between Ellipses ($mm.km^2$)**	**Mean Rainfall Depth between ellipses (mm)**
A	2.60	2.60	1200	840	2180	2180	840
B	12.57	15.17	1089	762	11561	9381	746
C	8.78	23.94	1052	736	17629	6068	691
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	N/A	N/A	N/A	N/A	N/A	N/A	N/A

APPENDIX L

XP-RAFTS DESIGN OUTPUTS

ARR2016 Results for 50% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
1	20	4453	57.84	57.82	1.34	58.31	49.82	63.63	63.63	5.32	9.1%
2	360	4741	0.28	0.24	0.11	0.32	0.23	0.32	0.32	0.00	0.0%
3	360	4741	0.26	0.23	0.11	0.29	0.16	0.29	0.29	0.00	0.0%
4	360	4741	0.55	0.48	0.21	0.65	0.20	0.65	0.65	0.00	0.0%
5	360	4742	0.64	0.54	0.25	0.74	0.49	0.75	0.75	0.01	1.4%
6	360	4742	1.82	1.55	0.69	2.19	1.44	2.20	2.20	0.01	0.5%
7	360	4742	2.11	1.77	0.79	2.60	0.70	2.65	2.65	0.05	1.9%
8	360	4742	2.39	1.99	0.90	2.88	1.44	2.90	2.90	0.02	0.7%
9	10	4387	0.41	0.41	0.04	0.41	0.41	0.27	0.41	0.00	0.0%
10	360	4741	2.71	2.33	1.03	3.22	1.88	3.22	3.22	0.00	0.0%
11	360	4741	0.26	0.23	0.11	0.29	0.13	0.29	0.29	0.00	0.0%
12	360	4741	1.06	0.91	0.42	1.22	0.45	1.22	1.22	0.00	0.0%
13	360	4742	0.19	0.16	0.07	0.24	0.05	0.24	0.24	0.00	0.0%
14	360	4742	0.26	0.22	0.10	0.32	0.08	0.32	0.32	0.00	0.0%
15	360	4741	0.63	0.53	0.24	0.76	0.21	0.76	0.76	0.00	0.0%
16	360	4742	4.68	3.89	1.75	5.72	1.97	5.83	5.83	0.11	1.9%
17	10	4387	0.51	0.50	0.05	0.51	0.51	0.23	0.51	0.00	0.0%
18	10	4386	1.93	1.91	0.10	1.94	1.94	0.98	1.94	0.00	0.0%
19	360	4740	0.35	0.33	0.13	0.47	0.07	0.49	0.49	0.02	4.3%
20	360	4741	1.46	1.26	0.57	1.71	0.55	1.71	1.71	0.00	0.0%
21	360	4742	2.05	1.72	0.75	2.49	0.86	2.62	2.62	0.13	5.2%
22	360	4742	5.26	4.38	1.95	6.42	1.97	6.62	6.62	0.20	3.1%
23	10	4387	0.73	0.71	0.07	0.73	0.73	0.59	0.73	0.00	0.0%
24	360	4742	1.81	1.52	0.70	2.20	0.57	2.21	2.21	0.01	0.5%
25	360	4742	2.22	1.85	0.83	2.70	0.84	2.78	2.78	0.08	3.0%
26	360	4742	3.25	2.76	1.23	3.87	1.98	3.92	3.92	0.05	1.3%
27	10	4387	0.52	0.51	0.05	0.52	0.52	0.35	0.52	0.00	0.0%
28	10	4387	0.62	0.61	0.06	0.62	0.62	0.33	0.62	0.00	0.0%
29	15	4421	2.54	2.55	0.21	2.57	2.57	1.57	2.57	0.00	0.0%
30	360	4741	0.37	0.32	0.14	0.44	0.25	0.44	0.44	0.00	0.0%
31	360	4742	7.36	6.15	2.72	8.99	2.55	9.36	9.36	0.37	4.1%
32	10	4387	0.80	0.79	0.08	0.81	0.81	0.32	0.81	0.00	0.0%
33	15	4425	3.16	3.16	0.08	3.17	2.82	2.07	2.82	-0.35	-11.0%
34	360	4740	5.66	5.24	1.81	7.08	3.05	7.76	7.76	0.68	9.6%
35	360	4741	0.35	0.30	0.13	0.43	0.25	0.43	0.43	0.00	0.0%
36	360	4742	1.29	1.11	0.48	1.55	1.05	1.56	1.56	0.01	0.6%
37	10	4387	0.78	0.76	0.08	0.80	0.77	0.68	0.77	-0.03	-3.8%
38	360	4742	0.66	0.56	0.25	0.78	0.35	0.80	0.80	0.02	2.6%
39	360	4742	1.73	1.49	0.65	2.09	1.43	2.09	2.09	0.00	0.0%
40	360	4742	7.64	6.41	2.81	9.36	2.55	9.82	9.82	0.46	4.9%
41	10	4387	0.49	0.48	0.05	0.49	0.49	0.26	0.49	0.00	0.0%
42	360	4742	8.99	7.66	3.23	11.12	2.67	11.81	11.81	0.69	6.2%
43	10	4386	0.90	0.89	0.09	0.91	0.91	0.40	0.91	0.00	0.0%
44	360	4740	5.67	5.25	1.81	7.10	3.05	7.78	7.78	0.68	9.6%
45	360	4741	0.27	0.24	0.10	0.32	0.24	0.32	0.32	0.00	0.0%
46	360	4742	9.10	7.76	3.26	11.26	2.67	12.01	12.01	0.75	6.7%
47	360	4741	0.22	0.19	0.08	0.27	0.19	0.27	0.27	0.00	0.0%
48	10	4387	0.56	0.55	0.06	0.56	0.56	0.46	0.56	0.00	0.0%
49	360	4741	0.25	0.22	0.10	0.28	0.25	0.28	0.28	0.00	0.0%
50	10	4386	0.87	0.86	0.07	0.90	0.90	1.00	1.00	0.10	11.1%
51	10	4386	0.90	0.88	0.09	0.90	0.90	0.32	0.90	0.00	0.0%
52	10	4380	1.48	1.44	0.12	1.52	1.45	0.86	1.45	-0.07	-4.6%
53	10	4386	1.37	1.34	0.14	1.38	1.38	0.76	1.38	0.00	0.0%
54	360	4742	9.41	8.07	3.33	11.69	2.67	12.41	12.41	0.72	6.2%
55	10	4386	0.91	0.90	0.09	0.92	0.92	0.35	0.92	0.00	0.0%
56	10	4384	2.46	2.43	0.23	2.54	2.30	1.30	2.30	-0.24	-9.4%
57	10	4380	3.41	3.32	0.29	3.46	3.26	1.75	3.26	-0.20	-5.8%
58	360	4737	5.86	5.43	1.84	5.89	3.05	7.98	7.98	2.09	35.5%
59	10	4386	1.41	1.38	0.14	1.41	1.41	0.53	1.41	0.00	0.0%
60	360	4737	6.41	6.09	1.97	6.68	5.62	8.73	8.73	2.05	30.7%
61	10	4385	0.90	0.90	0.00	0.90	0.90	1.06	1.06	0.16	17.8%
62	360	4742	1.43	1.20	0.54	1.73	1.08	1.74	1.74	0.01	0.6%
63	360	4741	0.39	0.34	0.15	0.47	0.36	0.47	0.47	0.00	0.0%
64	360	4742	2.66	2.22	1.00	3.20	1.51	3.30	3.30	0.10	3.1%
65	360	4741	0.20	0.18	0.08	0.24	0.13	0.24	0.24	0.00	0.0%
66	360	4742	9.79	8.43	3.43	12.28	3.35	12.96	12.96	0.68	5.5%
67	360	4741	0.23	0.20	0.09	0.26	0.18	0.26	0.26	0.00	0.0%
68	10	4387	0.37	0.37	0.04	0.37	0.37	0.38	0.38	0.01	2.7%
69	360	4742	3.49	2.93	1.28	4.25	2.07	4.45	4.45	0.20	4.7%
70	360	4742	9.87	8.52	3.45	12.41	3.35	13.09	13.09	0.68	5.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
71	10	4387	0.65	0.64	0.07	0.66	0.66	0.32	0.66	0.00	0.0%
72	360	4742	12.62	11.18	4.39	16.37	4.53	17.09	17.09	0.72	4.4%
73	10	4387	0.77	0.75	0.08	0.79	0.77	0.54	0.77	-0.02	-2.5%
74	360	4742	3.04	2.53	1.14	3.67	1.59	3.79	3.79	0.12	3.3%
75	10	4387	0.68	0.67	0.07	0.68	0.68	0.25	0.68	0.00	0.0%
76	10	4386	2.49	2.47	0.13	2.52	2.52	1.09	2.52	0.00	0.0%
77	10	4386	3.24	3.21	0.13	3.25	3.25	1.46	3.25	0.00	0.0%
78	20	4450	7.40	7.24	0.53	7.67	6.87	9.39	9.39	1.72	22.4%
79	10	4387	0.72	0.71	0.07	0.72	0.72	0.46	0.72	0.00	0.0%
80	360	4742	12.83	11.37	4.45	16.71	4.53	17.34	17.34	0.63	3.8%
81	10	4387	0.75	0.74	0.08	0.75	0.75	0.31	0.75	0.00	0.0%
82	20	4446	9.83	9.82	0.67	9.96	9.87	10.32	10.32	0.36	3.6%
83	10	4385	0.61	0.61	0.00	0.61	0.61	0.62	0.62	0.01	1.6%
84	10	4387	0.72	0.71	0.04	0.74	0.72	0.79	0.79	0.05	6.8%
85	10	4391	0.49	0.48	0.03	0.50	0.46	0.36	0.46	-0.04	-8.0%
86	10	4387	0.64	0.63	0.05	0.64	0.65	0.79	0.79	0.15	23.4%
87	10	4380	0.56	0.54	0.06	0.59	0.56	0.25	0.56	-0.03	-5.1%
88	360	4742	13.11	11.61	4.52	17.15	4.73	17.67	17.67	0.52	3.0%
89	10	4387	0.33	0.32	0.03	0.33	0.33	0.27	0.33	0.00	0.0%
90	360	4737	12.21	11.44	4.12	12.23	0.68	17.22	17.22	4.99	40.8%
91	10	4380	0.62	0.60	0.06	0.65	0.61	0.28	0.61	-0.04	-6.2%
92	360	4741	1.44	1.30	0.50	1.69	0.38	1.69	1.69	0.00	0.0%
93	20	4451	0.93	0.92	0.08	0.96	0.82	1.13	1.13	0.17	17.7%
94	360	4737	12.25	11.48	4.14	12.29	0.68	17.28	17.28	4.99	40.6%
95	10	4387	0.83	0.82	0.08	0.84	0.84	0.30	0.84	0.00	0.0%
96	10	4386	0.95	0.94	0.10	0.96	0.96	0.34	0.96	0.00	0.0%
97	10	4387	0.86	0.84	0.09	0.86	0.86	0.36	0.86	0.00	0.0%
98	1440	4847	20.90	20.90	0.00	20.90	20.90	20.90	20.90	0.00	0.0%
99	10	4387	0.76	0.75	0.04	0.79	0.74	0.38	0.74	-0.05	-6.3%
100	360	4737	12.76	12.04	4.33	12.99	1.35	18.12	18.12	5.13	39.5%
101	10	4380	0.66	0.65	0.05	0.67	0.64	0.31	0.64	-0.03	-4.5%
102	360	4740	1.29	1.07	0.78	1.41	0.23	2.41	2.41	1.00	70.9%
103	10	4387	1.95	1.90	0.20	1.98	1.94	0.71	1.94	-0.04	-2.0%
104	10	4387	2.38	2.32	0.24	2.43	2.37	0.88	2.37	-0.06	-2.5%
105	10	4387	0.67	0.65	0.07	0.67	0.67	0.25	0.67	0.00	0.0%
106	360	4741	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
107	10	4391	0.81	0.80	0.04	0.82	0.78	0.43	0.78	-0.04	-4.9%
108	360	4740	1.46	1.19	0.78	1.53	0.76	2.65	2.65	1.12	73.2%
109	10	4387	0.68	0.67	0.07	0.69	0.69	0.30	0.69	0.00	0.0%
110	1440	4847	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	10	4386	0.81	0.79	0.05	0.82	0.82	0.39	0.82	0.00	0.0%
112	360	4737	12.88	12.17	4.39	13.21	2.34	18.22	18.22	5.01	37.9%
113	10	4385	0.43	0.44	0.01	0.44	0.45	0.42	0.45	0.01	2.3%
114	360	4741	0.46	0.39	0.19	0.50	0.20	0.50	0.50	0.00	0.0%
115	10	4380	0.62	0.59	0.06	0.65	0.61	0.33	0.61	-0.04	-6.2%
116	10	4386	5.34	5.31	0.39	5.50	5.50	2.58	5.50	0.00	0.0%
117	10	4389	22.37	22.43	0.29	22.40	22.56	21.01	22.56	0.16	0.7%
118	360	4737	12.94	12.23	4.43	13.32	2.96	18.27	18.27	4.95	37.2%
119	10	4391	1.04	1.02	0.07	1.07	0.99	0.51	0.99	-0.08	-7.5%
120	15	4420	1.86	1.84	0.11	1.88	1.63	1.45	1.63	-0.25	-13.3%
121	20	4445	2.69	2.69	0.18	2.70	2.39	2.48	2.48	-0.22	-8.1%
122	540	4776	1.44	1.40	0.57	1.47	0.58	2.55	2.55	1.08	73.5%
123	15	4423	5.45	5.24	0.62	5.81	5.55	3.20	5.55	-0.26	-4.5%
124	120	4642	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
125	10	4387	1.01	0.96	0.10	1.05	0.99	0.45	0.99	-0.06	-5.7%
126	360	4736	24.00	22.18	3.18	26.23	23.75	28.53	28.53	2.30	8.8%
127	10	4385	1.17	1.18	0.07	1.18	1.22	0.73	1.22	0.04	3.4%
128	10	4391	2.03	1.98	0.15	2.05	1.91	1.90	1.91	-0.14	-6.8%
129	10	4387	1.03	1.02	0.04	1.03	1.03	0.62	1.03	0.00	0.0%
130	10	4389	25.25	25.39	0.68	25.32	25.70	29.97	29.97	4.65	18.4%
131	10	4387	2.02	1.97	0.14	2.06	2.00	1.13	2.00	-0.06	-2.9%
132	360	4741	3.17	2.79	0.87	3.86	1.80	3.86	3.86	0.00	0.0%
133	10	4387	1.60	1.56	0.11	1.63	1.59	0.77	1.59	-0.04	-2.5%
134	360	4741	3.97	3.45	1.14	4.81	2.26	4.81	4.81	0.00	0.0%
135	10	4380	1.14	1.10	0.11	1.19	1.12	0.48	1.12	-0.07	-5.9%
136	10	4387	0.87	0.85	0.06	0.89	0.87	0.57	0.87	-0.02	-2.2%
137	10	4384	0.71	0.70	0.03	0.72	0.70	0.34	0.70	-0.02	-2.8%
138	360	4742	4.69	4.12	1.35	5.50	4.07	5.68	5.68	0.18	3.3%
139	10	4391	4.98	4.91	0.26	5.07	4.81	4.17	4.81	-0.26	-5.1%
140	10	4387	0.56	0.54	0.06	0.58	0.56	0.25	0.56	-0.02	-3.4%
141	360	4742	4.99	4.41	1.44	5.89	4.87	6.07	6.07	0.18	3.1%
142	10	4380	0.36	0.35	0.04	0.38	0.36	0.15	0.36	-0.02	-5.3%
143	360	4742	5.42	4.80	1.58	6.44	5.26	6.62	6.62	0.18	2.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
144	15	4423	5.75	5.70	0.17	5.76	5.27	6.97	6.97	1.21	21.0%
145	10	4389	26.54	26.67	0.60	26.60	26.93	30.21	30.21	3.61	13.6%
146	10	4391	1.62	1.57	0.11	1.64	1.53	0.86	1.53	-0.11	-6.7%
147	10	4391	1.85	1.80	0.14	1.88	1.70	0.90	1.70	-0.18	-9.6%
148	10	4390	0.59	0.59	0.03	0.59	0.61	0.29	0.61	0.02	3.4%
149	10	4380	1.30	1.26	0.10	1.32	1.26	0.64	1.26	-0.06	-4.5%
150	10	4380	2.08	2.05	0.11	2.11	2.06	1.06	2.06	-0.05	-2.4%
151	10	4391	3.51	3.43	0.21	3.57	3.30	1.98	3.30	-0.27	-7.6%
152	10	4384	0.50	0.49	0.04	0.51	0.46	0.25	0.46	-0.05	-9.8%
153	360	4737	2.10	2.09	0.05	2.10	2.01	2.14	2.14	0.04	1.9%
154	10	4385	2.50	2.49	0.08	2.51	2.55	0.91	2.55	0.04	1.6%
155	10	4389	30.21	30.36	0.75	30.28	30.70	34.99	34.99	4.71	15.6%
156	10	4386	0.89	0.87	0.05	0.90	0.90	0.31	0.90	0.00	0.0%
157	10	4389	1.63	1.64	0.03	1.64	1.65	0.59	1.65	0.01	0.6%
158	10	4385	0.71	0.71	0.01	0.71	0.72	0.46	0.72	0.01	1.4%
159	15	4424	31.90	31.77	0.95	32.04	31.95	35.04	35.04	3.00	9.4%
160	10	4384	1.30	1.29	0.07	1.32	1.27	0.61	1.27	-0.05	-3.8%
161	10	4386	1.62	1.61	0.04	1.63	1.63	0.85	1.63	0.00	0.0%
162	20	4453	5.46	5.40	0.29	5.50	5.32	3.25	5.32	-0.18	-3.3%
163	15	4424	32.36	32.24	0.93	32.50	32.32	35.09	35.09	2.59	8.0%
164	10	4380	0.78	0.75	0.06	0.79	0.76	0.35	0.76	-0.03	-3.8%
165	45	4547	4.61	4.61	0.38	4.62	3.34	4.80	4.80	0.18	3.9%
166	20	4455	2.23	2.23	0.24	2.25	1.40	1.97	1.97	-0.28	-12.4%
167	45	4552	4.55	4.56	0.38	4.58	3.34	4.70	4.70	0.12	2.6%
168	10	4380	0.54	0.52	0.05	0.55	0.52	0.29	0.52	-0.03	-5.5%
169	10	4380	0.63	0.61	0.04	0.64	0.62	0.33	0.62	-0.02	-3.1%
170	10	4387	1.10	1.07	0.08	1.18	1.05	0.62	1.05	-0.13	-11.0%
171	45	4547	4.89	4.84	0.41	4.90	3.34	5.24	5.24	0.34	6.9%
172	360	4742	0.44	0.37	0.18	0.51	0.08	0.52	0.52	0.01	2.0%
173	10	4385	0.93	0.93	0.01	0.93	0.94	0.63	0.94	0.01	1.1%
174	15	4424	37.00	37.05	1.13	37.18	37.03	35.59	37.03	-0.15	-0.4%
175	360	4742	1.20	1.01	0.45	1.40	0.98	1.42	1.42	0.02	1.4%
176	10	4380	0.42	0.40	0.04	0.43	0.40	0.39	0.40	-0.03	-7.0%
177	360	4741	0.43	0.37	0.17	0.50	0.09	0.50	0.50	0.00	0.0%
178	360	4742	0.77	0.66	0.30	0.89	0.49	0.90	0.90	0.01	1.1%
179	10	4380	1.99	1.98	0.09	2.00	1.91	1.06	1.91	-0.09	-4.5%
180	10	4380	0.59	0.57	0.06	0.62	0.58	0.28	0.58	-0.04	-6.5%
181	15	4421	37.76	37.85	1.03	37.77	37.39	35.83	37.39	-0.38	-1.0%
182	10	4387	0.72	0.70	0.07	0.73	0.71	0.33	0.71	-0.02	-2.7%
183	10	4384	1.58	1.58	0.02	1.58	1.57	1.04	1.57	-0.01	-0.6%
184	10	4387	0.46	0.45	0.05	0.46	0.46	0.18	0.46	0.00	0.0%
185	15	4425	2.52	2.50	0.06	2.57	2.49	1.85	2.49	-0.08	-3.1%
186	360	4741	0.35	0.29	0.14	0.39	0.07	0.39	0.39	0.00	0.0%
187	360	4741	0.41	0.34	0.17	0.46	0.14	0.46	0.46	0.00	0.0%
188	360	4741	0.34	0.29	0.14	0.38	0.04	0.38	0.38	0.00	0.0%
189	360	4742	0.83	0.70	0.33	0.95	0.21	0.96	0.96	0.01	1.1%
190	10	4389	0.60	0.61	0.02	0.60	0.62	0.31	0.62	0.02	3.3%
191	15	4421	37.76	37.85	1.03	37.77	37.39	35.85	37.39	-0.38	-1.0%
192	20	4445	3.32	3.32	0.16	3.36	3.05	2.65	3.05	-0.31	-9.2%
193	45	4547	5.51	5.55	0.38	5.54	3.34	6.35	6.35	0.81	14.6%
194	10	4386	0.67	0.67	0.00	0.67	0.67	0.34	0.67	0.00	0.0%
195	10	4386	3.28	3.25	0.08	3.31	3.31	1.47	3.31	0.00	0.0%
196	10	4391	0.75	0.75	0.02	0.76	0.74	0.39	0.74	-0.02	-2.6%
197	45	4550	7.93	8.12	0.85	8.02	6.12	9.00	9.00	0.98	12.2%
198	15	4424	3.80	3.77	0.27	3.82	3.71	2.01	3.71	-0.11	-2.9%
199	15	4421	37.76	37.85	1.03	37.77	37.39	35.87	37.39	-0.38	-1.0%
200	360	4741	0.25	0.21	0.10	0.27	0.10	0.27	0.27	0.00	0.0%
201	45	4550	8.19	8.42	0.88	8.26	6.38	9.34	9.34	1.08	13.1%
202	15	4423	2.59	2.53	0.14	2.66	2.39	2.37	2.39	-0.27	-10.2%
203	45	4550	8.21	8.43	0.87	8.27	6.38	9.55	9.55	1.28	15.5%
204	360	4742	2.01	1.67	0.74	2.36	0.24	2.50	2.50	0.14	5.9%
205	15	4424	39.50	39.54	0.54	39.59	37.49	35.94	37.49	-2.10	-5.3%
206	10	4387	0.42	0.41	0.04	0.43	0.42	0.32	0.42	-0.01	-2.3%
207	360	4741	10.29	9.18	2.87	11.97	8.39	11.97	11.97	0.00	0.0%
208	360	4742	0.42	0.35	0.16	0.47	0.29	0.48	0.48	0.01	2.1%
209	15	4424	39.71	39.74	0.56	39.80	37.70	37.07	37.70	-2.10	-5.3%
210	10	4380	0.54	0.53	0.03	0.54	0.53	0.27	0.53	-0.01	-1.9%
211	15	4424	39.76	39.79	0.55	39.85	37.70	37.42	37.70	-2.15	-5.4%
212	10	4389	1.04	1.05	0.06	1.04	1.08	0.42	1.08	0.04	3.8%
213	360	4742	10.94	9.61	3.11	12.86	8.39	12.99	12.99	0.13	1.0%
214	10	4384	0.78	0.76	0.06	0.81	0.74	0.63	0.74	-0.07	-8.6%
215	15	4424	39.76	39.79	0.55	39.85	37.70	37.55	37.70	-2.15	-5.4%
216	360	4742	11.18	9.78	3.20	13.17	8.39	13.42	13.42	0.25	1.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
217	20	4450	40.12	40.25	1.39	40.62	37.72	38.05	38.05	-2.57	-6.3%
218	1440	4882	0.05	0.05	0.01	0.05	0.00	0.02	0.02	-0.03	-60.0%
219	10	4384	0.78	0.76	0.06	0.81	0.74	0.56	0.74	-0.07	-8.6%
220	10	4387	0.67	0.66	0.07	0.67	0.67	0.27	0.67	0.00	0.0%
221	10	4386	1.14	1.12	0.12	1.15	1.15	0.46	1.15	0.00	0.0%
222	10	4385	2.95	2.96	0.20	2.98	3.07	1.49	3.07	0.09	3.0%
223	15	4420	2.59	2.57	0.15	2.60	2.19	1.55	2.19	-0.41	-15.8%
224	10	4384	0.96	0.94	0.09	0.99	0.91	0.49	0.91	-0.08	-8.1%
225	10	4386	1.27	1.24	0.11	1.29	1.29	0.55	1.29	0.00	0.0%
226	10	4380	0.80	0.78	0.06	0.81	0.78	0.38	0.78	-0.03	-3.7%
227	10	4386	2.21	2.18	0.14	2.21	2.21	1.06	2.21	0.00	0.0%
228	10	4387	0.53	0.51	0.05	0.55	0.53	0.25	0.53	-0.02	-3.6%
229	10	4386	2.87	2.85	0.14	2.91	2.91	1.44	2.91	0.00	0.0%
230	10	4385	1.37	1.37	0.08	1.38	1.43	0.66	1.43	0.05	3.6%
231	15	4424	5.56	5.45	0.47	5.57	5.19	3.85	5.19	-0.38	-6.8%
232	360	4741	0.32	0.27	0.13	0.35	0.29	0.35	0.35	0.00	0.0%
233	25	4489	8.89	8.89	0.20	8.91	6.72	7.63	7.63	-1.28	-14.4%
234	540	4767	0.13	0.13	0.03	0.14	0.00	0.14	0.14	0.00	0.0%
235	20	4450	47.63	47.34	2.06	47.78	44.66	51.67	51.67	3.89	8.1%
236	10	4386	0.43	0.42	0.04	0.43	0.43	0.17	0.43	0.00	0.0%
237	30	4518	8.95	8.97	0.35	8.99	6.72	8.15	8.15	-0.84	-9.3%
238	360	4741	0.65	0.56	0.26	0.75	0.28	0.75	0.75	0.00	0.0%
239	540	4767	0.13	0.13	0.03	0.14	0.00	0.14	0.14	0.00	0.0%
240	10	4386	0.95	0.93	0.10	0.96	0.96	0.28	0.96	0.00	0.0%
241	15	4424	6.47	6.42	0.42	6.52	5.80	4.84	5.80	-0.72	-11.0%
242	15	4424	3.76	3.73	0.20	3.79	3.40	2.26	3.40	-0.39	-10.3%
243	30	4518	6.58	6.54	0.40	6.65	5.80	5.36	5.80	-0.85	-12.8%
244	10	4380	0.54	0.52	0.04	0.55	0.52	0.44	0.52	-0.03	-5.5%
245	20	4450	47.64	47.35	2.06	47.79	44.67	52.30	52.30	4.51	9.4%
246	10	4387	0.83	0.82	0.08	0.83	0.83	0.26	0.83	0.00	0.0%
247	10	4386	1.53	1.49	0.16	1.53	1.53	0.45	1.53	0.00	0.0%
248	10	4386	0.82	0.81	0.08	0.83	0.83	0.29	0.83	0.00	0.0%
249	10	4387	2.99	2.90	0.30	3.06	2.97	0.92	2.97	-0.09	-2.9%
250	30	4518	8.95	8.97	0.35	8.99	6.72	8.84	8.84	-0.15	-1.7%
251	20	4450	47.64	47.35	2.06	47.79	44.67	52.43	52.43	4.64	9.7%
252	10	4387	1.74	1.70	0.18	1.77	1.74	0.53	1.74	-0.03	-1.7%
253	15	4424	5.03	4.97	0.60	5.07	4.90	2.95	4.90	-0.17	-3.4%
254	10	4385	0.79	0.79	0.05	0.79	0.82	0.51	0.82	0.03	3.8%
255	20	4453	55.04	54.76	2.06	56.14	49.82	60.05	60.05	3.91	7.0%
256	10	4386	3.98	3.92	0.34	4.08	4.08	1.37	4.08	0.00	0.0%
257	25	4489	5.18	5.02	0.74	5.41	4.90	3.60	4.90	-0.51	-9.4%
258	15	4423	6.77	6.69	0.62	7.17	6.25	5.20	6.25	-0.92	-12.8%
259	20	4453	55.04	54.76	2.06	56.14	49.82	60.21	60.21	4.07	7.2%
260	10	4391	1.62	1.58	0.14	1.67	1.52	0.75	1.52	-0.15	-9.0%
261	10	4386	1.74	1.72	0.07	1.75	1.75	1.05	1.75	0.00	0.0%
262	10	4385	3.22	3.22	0.02	3.23	3.24	2.03	3.24	0.01	0.3%
263	20	4453	57.84	57.82	1.34	58.31	49.82	63.21	63.21	4.90	8.4%
264	10	4387	0.40	0.39	0.04	0.40	0.40	0.30	0.40	0.00	0.0%
265	360	4741	0.56	0.48	0.22	0.65	0.37	0.65	0.65	0.00	0.0%
266	360	4741	0.33	0.29	0.13	0.38	0.27	0.38	0.38	0.00	0.0%
267	10	4389	1.11	1.12	0.02	1.11	1.12	1.07	1.12	0.01	0.9%
268	360	4741	0.26	0.23	0.11	0.30	0.03	0.30	0.30	0.00	0.0%
269	360	4741	0.53	0.46	0.20	0.62	0.22	0.62	0.62	0.00	0.0%
270	360	4741	0.31	0.27	0.12	0.35	0.18	0.35	0.35	0.00	0.0%
271	10	4391	1.37	1.36	0.04	1.38	1.35	1.56	1.56	0.18	13.0%
272	360	4742	0.66	0.56	0.25	0.84	0.15	0.85	0.85	0.01	1.2%
273	360	4742	0.80	0.68	0.31	0.95	0.44	0.97	0.97	0.02	2.1%
274	360	4741	0.30	0.26	0.12	0.35	0.02	0.35	0.35	0.00	0.0%
275	360	4742	1.21	1.05	0.47	1.43	0.69	1.44	1.44	0.01	0.7%
276	10	4386	0.14	0.14	0.01	0.14	0.14	0.10	0.14	0.00	0.0%
277	360	4741	1.53	1.33	0.59	1.81	0.72	1.81	1.81	0.00	0.0%
278	10	4387	1.09	1.06	0.08	1.16	1.03	1.17	1.17	0.01	0.9%
279	360	4741	1.69	1.45	0.65	1.99	0.90	1.99	1.99	0.00	0.0%
280	360	4741	0.45	0.39	0.17	0.58	0.18	0.58	0.58	0.00	0.0%
281	360	4742	1.61	1.34	0.61	1.97	0.60	2.00	2.00	0.03	1.5%
282	360	4741	0.50	0.44	0.19	0.59	0.33	0.59	0.59	0.00	0.0%
283	360	4742	1.39	1.16	0.53	1.66	0.67	1.71	1.71	0.05	3.0%
284	10	4387	0.78	0.76	0.06	0.83	0.75	0.87	0.87	0.04	4.8%
285	360	4741	0.27	0.23	0.11	0.30	0.11	0.30	0.30	0.00	0.0%
286	360	4741	1.62	1.40	0.61	1.93	1.44	1.93	1.93	0.00	0.0%
287	360	4742	1.77	1.48	0.66	2.13	0.73	2.24	2.24	0.11	5.2%
288	360	4742	4.66	3.88	1.75	5.69	1.97	5.79	5.79	0.10	1.8%
289	360	4742	0.54	0.46	0.21	0.68	0.12	0.69	0.69	0.01	1.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
290	360	4742	0.36	0.31	0.14	0.46	0.13	0.47	0.47	0.01	2.2%
291	360	4742	0.52	0.44	0.20	0.63	0.14	0.64	0.64	0.01	1.6%
292	360	4742	5.26	4.37	1.94	6.42	1.97	6.62	6.62	0.20	3.1%
293	360	4742	2.00	1.67	0.74	2.43	0.86	2.55	2.55	0.12	4.9%
294	360	4742	3.13	2.66	1.18	3.71	1.98	3.75	3.75	0.04	1.1%
295	360	4740	5.66	5.25	1.81	7.09	3.05	7.77	7.77	0.68	9.6%
296	10	4389	21.45	21.48	0.12	21.46	21.53	20.95	21.53	0.07	0.3%
297	10	4389	21.66	21.69	0.16	21.67	21.76	20.96	21.76	0.09	0.4%
298	10	4386	5.23	5.18	0.41	5.38	5.38	2.26	5.38	0.00	0.0%
299	10	4385	0.60	0.60	0.00	0.60	0.60	0.62	0.62	0.02	3.3%
300	360	4741	0.55	0.48	0.22	0.62	0.45	0.62	0.62	0.00	0.0%
301	360	4741	1.02	0.89	0.41	1.16	0.84	1.16	1.16	0.00	0.0%
302	15	4418	3.44	3.49	0.11	3.48	3.34	3.08	3.34	-0.14	-4.0%
303	15	4417	1.33	1.33	0.02	1.33	1.27	1.00	1.27	-0.06	-4.5%
304	10	4380	1.12	1.12	0.00	1.12	1.12	0.65	1.12	0.00	0.0%
305	20	4450	2.81	2.73	0.20	2.95	2.61	2.22	2.61	-0.34	-11.5%
306	360	4742	1.37	1.16	0.53	1.59	0.22	1.62	1.62	0.03	1.9%
307	1440	4882	0.02	0.02	0.00	0.02	0.00	0.01	0.01	-0.01	-50.0%
308	20	4445	6.57	6.42	0.52	7.07	5.80	5.20	5.80	-1.27	-18.0%
309	15	4424	3.68	3.63	0.20	3.70	3.40	2.18	3.40	-0.30	-8.1%
310	20	4453	55.04	54.76	2.06	56.14	49.82	60.19	60.19	4.05	7.2%
311	30	4524	6.49	6.42	0.69	6.50	6.18	4.96	6.18	-0.32	-4.9%
312	10	4391	1.53	1.50	0.12	1.57	1.44	0.70	1.44	-0.13	-8.3%
313	10	4382	1.35	1.34	0.08	1.35	1.39	0.65	1.39	0.04	3.0%
314	15	4423	5.48	5.33	0.47	5.78	5.19	3.72	5.19	-0.59	-10.2%
315	10	4387	2.45	2.37	0.24	2.52	2.43	1.05	2.43	-0.09	-3.6%
316	10	4385	1.73	1.73	0.07	1.74	1.78	0.85	1.78	0.04	2.3%
317	45	4547	5.50	5.54	0.39	5.53	3.34	6.28	6.28	0.75	13.6%
318	20	4445	3.31	3.32	0.16	3.35	3.05	2.63	3.05	-0.30	-9.0%
319	360	4737	2.15	2.15	0.06	2.16	2.08	2.20	2.20	0.04	1.9%
320	360	4737	2.08	2.08	0.06	2.09	2.02	2.11	2.11	0.02	1.0%
321	360	4736	2.09	2.08	0.07	2.13	2.03	2.13	2.13	0.00	0.0%
322	360	4737	2.15	2.14	0.10	2.17	2.09	2.22	2.22	0.05	2.3%
323	360	4737	2.09	2.07	0.12	2.09	2.01	2.16	2.16	0.07	3.3%
324	360	4742	2.18	2.11	0.20	2.34	2.08	2.34	2.34	0.00	0.0%
325	360	4742	3.05	2.24	1.30	3.63	2.27	3.65	3.65	0.02	0.6%
326	15	4419	3.72	3.72	0.09	3.73	3.51	3.35	3.51	-0.22	-5.9%
327	10	4387	1.09	1.06	0.11	1.13	1.08	0.45	1.08	-0.05	-4.4%
328	10	4387	0.85	0.84	0.06	0.85	0.85	0.46	0.85	0.00	0.0%
329	360	4741	0.12	0.11	0.05	0.13	0.06	0.13	0.13	0.00	0.0%
330	360	4742	1.86	1.56	0.69	2.17	0.22	2.28	2.28	0.11	5.1%
331	10	4386	3.26	3.23	0.07	3.28	3.28	1.26	3.28	0.00	0.0%
332	10	4384	1.77	1.74	0.11	1.78	1.70	0.85	1.70	-0.08	-4.5%
333	10	4387	0.66	0.64	0.07	0.66	0.66	0.26	0.66	0.00	0.0%
334	10	4391	3.30	3.29	0.05	3.31	3.27	2.80	3.27	-0.04	-1.2%
335	10	4387	0.56	0.54	0.05	0.57	0.55	0.28	0.55	-0.02	-3.5%
336	10	4384	1.19	1.16	0.11	1.23	1.15	0.57	1.15	-0.08	-6.5%
337	10	4380	0.77	0.74	0.08	0.78	0.73	0.33	0.73	-0.05	-6.4%
338	10	4387	0.90	0.87	0.09	0.93	0.89	0.39	0.89	-0.04	-4.3%
339	10	4386	1.63	1.59	0.17	1.63	1.63	0.64	1.63	0.00	0.0%
340	10	4380	1.18	1.14	0.12	1.23	1.15	0.71	1.15	-0.08	-6.5%
341	10	4387	0.35	0.35	0.04	0.35	0.35	0.37	0.37	0.02	5.7%
342	360	4740	5.90	5.44	1.88	7.45	3.62	8.11	8.11	0.66	8.9%
343	10	4386	5.30	5.26	0.40	5.45	5.45	2.36	5.45	0.00	0.0%
344	10	4387	1.55	1.54	0.03	1.55	1.54	0.97	1.54	-0.01	-0.6%
345	10	4380	0.40	0.38	0.04	0.41	0.39	0.23	0.39	-0.02	-4.9%
346	10	4387	0.42	0.42	0.04	0.43	0.43	0.18	0.43	0.00	0.0%
347	10	4380	0.54	0.52	0.05	0.56	0.53	0.25	0.53	-0.03	-5.4%
348	15	4418	2.95	2.94	0.06	2.95	2.81	2.27	2.81	-0.14	-4.7%
349	15	4423	2.55	2.51	0.15	2.62	2.39	2.22	2.39	-0.23	-8.8%
350	10	4387	1.13	1.10	0.11	1.17	1.13	0.47	1.13	-0.04	-3.4%
351	360	4741	10.49	9.34	2.93	12.25	8.39	12.25	12.25	0.00	0.0%
352	10	4382	1.59	1.60	0.05	1.60	1.62	0.72	1.62	0.02	1.3%
353	10	4380	2.09	2.02	0.21	2.14	2.01	0.71	2.01	-0.13	-6.1%
354	360	4741	0.24	0.21	0.10	0.26	0.18	0.26	0.26	0.00	0.0%
355	30	4518	8.95	8.97	0.35	8.99	6.72	8.43	8.43	-0.56	-6.2%
356	30	4518	8.95	8.97	0.35	8.99	6.72	8.67	8.67	-0.32	-3.6%
357	10	4384	0.50	0.49	0.05	0.52	0.47	0.28	0.47	-0.05	-9.6%
358	15	4424	4.92	4.82	0.59	4.95	4.90	2.63	4.90	-0.05	-1.0%
359	10	4386	4.51	4.45	0.38	4.63	4.63	2.13	4.63	0.00	0.0%
360	15	4424	5.03	4.97	0.60	5.07	4.90	2.79	4.90	-0.17	-3.4%
361	360	4742	2.00	1.78	0.78	2.44	0.39	2.49	2.49	0.05	2.0%
362	10	4380	0.73	0.70	0.07	0.76	0.71	0.37	0.71	-0.05	-6.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
363	10	4387	0.50	0.48	0.05	0.52	0.49	0.25	0.49	-0.03	-5.8%
364	10	4387	0.56	0.55	0.06	0.56	0.56	0.24	0.56	0.00	0.0%
365	10	4380	0.48	0.46	0.05	0.49	0.46	0.31	0.46	-0.03	-6.1%
366	10	4387	0.63	0.61	0.06	0.65	0.62	0.26	0.62	-0.03	-4.6%
367	25	4488	2.67	2.62	0.18	2.67	2.35	2.65	2.65	-0.02	-0.7%
368	10	4380	0.51	0.50	0.05	0.53	0.50	0.22	0.50	-0.03	-5.7%
369	10	4391	1.38	1.36	0.08	1.39	1.32	0.81	1.32	-0.07	-5.0%
370	10	4380	0.81	0.79	0.08	0.82	0.77	0.45	0.77	-0.05	-6.1%
371	10	4387	0.69	0.68	0.07	0.70	0.70	0.29	0.70	0.00	0.0%
372	10	4387	0.55	0.55	0.06	0.56	0.56	0.25	0.56	0.00	0.0%
373	10	4384	1.22	1.19	0.07	1.24	1.20	0.57	1.20	-0.04	-3.2%
374	10	4380	0.46	0.44	0.05	0.48	0.45	0.16	0.45	-0.03	-6.3%
375	360	4741	0.58	0.51	0.22	0.69	0.29	0.69	0.69	0.00	0.0%
376	360	4741	0.43	0.38	0.17	0.49	0.37	0.49	0.49	0.00	0.0%
377	15	4423	5.45	5.24	0.62	5.81	5.55	3.11	5.55	-0.26	-4.5%
378	10	4389	30.18	30.34	0.75	30.25	30.67	34.98	34.98	4.73	15.6%
379	10	4387	0.32	0.31	0.03	0.32	0.32	0.12	0.32	0.00	0.0%
380	15	4423	2.30	2.27	0.08	2.31	2.19	1.31	2.19	-0.12	-5.2%
381	360	4741	0.21	0.18	0.08	0.24	0.19	0.24	0.24	0.00	0.0%
382	10	4380	0.53	0.52	0.05	0.54	0.51	0.35	0.51	-0.03	-5.6%
383	360	4741	0.06	0.05	0.03	0.06	0.06	0.06	0.06	0.00	0.0%
384	45	4547	5.25	5.24	0.43	5.29	3.34	5.91	5.91	0.62	11.7%
385	360	4741	10.29	9.18	2.87	11.97	8.39	11.97	11.97	0.00	0.0%
386	10	4387	0.71	0.70	0.07	0.71	0.71	0.62	0.71	0.00	0.0%
387	360	4741	0.29	0.25	0.11	0.35	0.29	0.35	0.35	0.00	0.0%
388	360	4742	1.21	1.04	0.46	1.42	0.69	1.43	1.43	0.01	0.7%
389	360	4737	12.86	12.14	4.38	13.17	2.27	18.20	18.20	5.03	38.2%
390	10	4386	0.14	0.14	0.01	0.14	0.14	0.05	0.14	0.00	0.0%
391	10	4391	0.69	0.68	0.05	0.70	0.65	0.43	0.65	-0.05	-7.1%
392	10	4386	0.18	0.17	0.02	0.18	0.18	0.14	0.18	0.00	0.0%
393	10	4386	0.08	0.08	0.01	0.08	0.08	0.07	0.08	0.00	0.0%
394	10	4387	0.52	0.51	0.05	0.52	0.52	0.30	0.52	0.00	0.0%
395	10	4387	0.82	0.79	0.08	0.84	0.81	0.36	0.81	-0.03	-3.6%
396	10	4387	0.49	0.48	0.05	0.49	0.49	0.22	0.49	0.00	0.0%
397	15	4424	6.47	6.42	0.42	6.52	5.80	4.80	5.80	-0.72	-11.0%
398	10	4386	0.16	0.16	0.02	0.17	0.17	0.07	0.17	0.00	0.0%
399	10	4386	0.07	0.07	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
400	720	4808	0.10	0.09	0.02	0.10	0.00	0.11	0.11	0.01	10.0%
401	360	4741	0.54	0.46	0.22	0.62	0.24	0.62	0.62	0.00	0.0%
402	10	4387	0.79	0.78	0.08	0.80	0.80	0.28	0.80	0.00	0.0%
403	10	4386	0.50	0.49	0.05	0.51	0.51	0.21	0.51	0.00	0.0%
404	15	4418	3.10	3.12	0.08	3.15	3.05	1.80	3.05	-0.10	-3.2%
405	10	4387	1.48	1.43	0.15	1.54	1.46	0.61	1.46	-0.08	-5.2%
406	10	4380	1.03	0.99	0.10	1.08	1.02	0.44	1.02	-0.06	-5.6%
407	360	4737	12.85	12.13	4.38	13.15	2.24	18.19	18.19	5.04	38.3%
408	360	4737	1.93	1.77	0.75	2.04	1.79	3.22	3.22	1.18	57.8%
409	540	4776	1.43	1.39	0.57	1.47	0.58	2.55	2.55	1.08	73.5%
410	20	4455	3.27	3.26	0.20	3.35	2.86	3.93	3.93	0.58	17.3%
411	10	4387	0.45	0.44	0.05	0.45	0.45	0.40	0.45	0.00	0.0%
412	360	4741	0.44	0.38	0.17	0.52	0.22	0.52	0.52	0.00	0.0%
413	10	4387	0.63	0.62	0.06	0.64	0.64	0.45	0.64	0.00	0.0%
414	10	4386	1.21	1.19	0.12	1.22	1.22	0.57	1.22	0.00	0.0%
415	10	4386	1.34	1.31	0.14	1.34	1.34	0.62	1.34	0.00	0.0%
416	10	4387	0.36	0.36	0.04	0.36	0.36	0.15	0.36	0.00	0.0%
417	10	4380	0.38	0.36	0.04	0.39	0.37	0.17	0.37	-0.02	-5.1%
418	10	4389	0.49	0.49	0.03	0.49	0.51	0.38	0.51	0.02	4.1%
419	10	4391	1.57	1.54	0.13	1.61	1.48	1.60	1.60	-0.01	-0.6%
420	15	4423	5.75	5.70	0.17	5.75	5.27	6.90	6.90	1.15	20.0%
421	10	4387	0.36	0.35	0.04	0.36	0.36	0.13	0.36	0.00	0.0%
422	10	4387	3.76	3.66	0.38	3.84	3.74	1.62	3.74	-0.10	-2.6%
423	10	4387	1.78	1.73	0.18	1.81	1.78	0.76	1.78	-0.03	-1.7%
424	10	4386	1.41	1.38	0.14	1.41	1.41	0.61	1.41	0.00	0.0%
425	10	4387	0.38	0.37	0.04	0.38	0.38	0.11	0.38	0.00	0.0%
426	360	4741	0.18	0.16	0.07	0.20	0.18	0.20	0.20	0.00	0.0%
427	10	4387	0.51	0.50	0.05	0.51	0.51	0.28	0.51	0.00	0.0%
428	10	4387	0.74	0.73	0.08	0.75	0.75	0.28	0.75	0.00	0.0%
429	360	4742	5.71	4.74	2.15	6.89	2.43	7.04	7.04	0.15	2.2%
430	10	4386	0.18	0.18	0.02	0.18	0.18	0.06	0.18	0.00	0.0%
431	10	4387	0.54	0.53	0.05	0.54	0.54	0.21	0.54	0.00	0.0%
432	10	4387	0.38	0.38	0.04	0.39	0.39	0.14	0.39	0.00	0.0%
433	10	4387	0.76	0.74	0.06	0.81	0.72	0.29	0.72	-0.09	-11.1%
434	10	4387	0.48	0.46	0.05	0.49	0.47	0.23	0.47	-0.02	-4.1%
435	10	4386	0.27	0.26	0.03	0.27	0.27	0.11	0.27	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
436	360	4742	1.93	1.71	0.75	2.36	0.47	2.40	2.40	0.04	1.7%
437	360	4742	1.74	1.60	0.65	2.10	0.34	2.11	2.11	0.01	0.5%
438	360	4741	1.69	1.53	0.58	2.01	0.34	2.01	2.01	0.00	0.0%
439	360	4741	1.67	1.54	0.56	1.97	0.37	1.97	1.97	0.00	0.0%
440	360	4741	1.44	1.30	0.50	1.68	0.38	1.68	1.68	0.00	0.0%
441	360	4741	1.40	1.29	0.44	1.65	0.96	1.65	1.65	0.00	0.0%
442	10	4389	1.43	1.43	0.02	1.43	1.44	1.56	1.56	0.13	9.1%
443	360	4740	1.27	1.06	0.78	1.39	0.23	2.38	2.38	0.99	71.2%
444	360	4740	1.29	1.07	0.78	1.41	0.23	2.41	2.41	1.00	70.9%
445	360	4741	0.11	0.10	0.05	0.13	0.09	0.13	0.13	0.00	0.0%
446	360	4741	0.07	0.06	0.03	0.08	0.06	0.08	0.08	0.00	0.0%
447	10	4380	0.57	0.55	0.06	0.57	0.53	0.39	0.53	-0.04	-7.0%
448	360	4741	0.21	0.18	0.08	0.24	0.20	0.24	0.24	0.00	0.0%
449	10	4380	0.19	0.18	0.02	0.20	0.19	0.19	0.19	-0.01	-5.0%
450	10	4386	0.02	0.02	0.00	0.03	0.03	0.01	0.03	0.00	0.0%
451	10	4388	0.10	0.09	0.01	0.10	0.09	0.07	0.09	-0.01	-10.0%
452	10	4386	0.08	0.07	0.01	0.08	0.08	0.04	0.08	0.00	0.0%
453	10	4380	0.61	0.59	0.06	0.63	0.59	0.72	0.72	0.09	14.3%
454	10	4386	0.23	0.23	0.02	0.23	0.23	0.12	0.23	0.00	0.0%
455	10	4387	0.64	0.63	0.05	0.64	0.65	0.75	0.75	0.11	17.2%
456	360	4741	0.02	0.02	0.01	0.03	0.00	0.03	0.03	0.00	0.0%
457	10	4386	0.21	0.21	0.02	0.22	0.22	0.13	0.22	0.00	0.0%
458	10	4386	0.10	0.10	0.01	0.10	0.10	0.04	0.10	0.00	0.0%
459	10	4387	0.30	0.28	0.03	0.31	0.29	0.13	0.29	-0.02	-6.5%
460	10	4380	0.50	0.48	0.05	0.52	0.49	0.22	0.49	-0.03	-5.8%
461	10	4380	0.65	0.63	0.05	0.66	0.63	0.30	0.63	-0.03	-4.5%
462	10	4386	0.28	0.28	0.03	0.29	0.29	0.16	0.29	0.00	0.0%
463	10	4386	0.12	0.12	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
464	10	4386	0.15	0.15	0.02	0.15	0.15	0.08	0.15	0.00	0.0%
465	360	4741	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.00	0.0%
466	360	4741	0.08	0.07	0.03	0.09	0.04	0.09	0.09	0.00	0.0%
467	360	4741	0.34	0.29	0.14	0.38	0.17	0.38	0.38	0.00	0.0%
468	10	4387	0.50	0.48	0.05	0.51	0.48	0.22	0.48	-0.03	-5.9%
469	10	4387	0.32	0.32	0.03	0.32	0.32	0.13	0.32	0.00	0.0%
470	10	4386	0.18	0.17	0.02	0.18	0.18	0.08	0.18	0.00	0.0%
471	10	4386	0.14	0.14	0.01	0.15	0.15	0.06	0.15	0.00	0.0%
472	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
473	10	4387	0.18	0.18	0.02	0.19	0.19	0.08	0.19	0.00	0.0%
474	10	4380	0.64	0.62	0.06	0.67	0.63	0.30	0.63	-0.04	-6.0%
475	10	4380	0.55	0.53	0.06	0.57	0.53	0.25	0.53	-0.04	-7.0%
476	10	4386	0.05	0.05	0.01	0.06	0.06	0.02	0.06	0.00	0.0%
477	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
478	10	4386	0.18	0.17	0.02	0.18	0.18	0.07	0.18	0.00	0.0%
479	10	4387	0.29	0.28	0.03	0.30	0.29	0.12	0.29	-0.01	-3.3%
480	10	4387	0.65	0.63	0.05	0.69	0.63	0.31	0.63	-0.06	-8.7%
481	10	4387	0.76	0.75	0.04	0.79	0.74	0.38	0.74	-0.05	-6.3%
482	360	4741	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.0%
483	10	4386	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.00	0.0%
484	360	4741	0.06	0.05	0.02	0.07	0.05	0.07	0.07	0.00	0.0%
485	10	4387	0.32	0.32	0.03	0.32	0.32	0.13	0.32	0.00	0.0%
486	10	4380	0.30	0.29	0.03	0.31	0.29	0.15	0.29	-0.02	-6.5%
487	10	4386	0.05	0.05	0.01	0.05	0.05	0.02	0.05	0.00	0.0%
488	10	4386	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
489	10	4380	0.62	0.59	0.06	0.64	0.60	0.33	0.60	-0.04	-6.3%
490	10	4386	0.02	0.02	0.00	0.03	0.03	0.01	0.03	0.00	0.0%
491	360	4741	0.05	0.04	0.02	0.05	0.04	0.05	0.05	0.00	0.0%
492	360	4741	0.10	0.09	0.04	0.11	0.08	0.11	0.11	0.00	0.0%
493	10	4386	0.03	0.03	0.00	0.03	0.03	0.01	0.03	0.00	0.0%
494	360	4741	0.03	0.03	0.01	0.03	0.03	0.03	0.03	0.00	0.0%
495	10	4386	0.08	0.08	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
496	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
497	10	4386	0.20	0.19	0.02	0.20	0.20	0.13	0.20	0.00	0.0%
498	10	4386	0.07	0.07	0.01	0.07	0.07	0.07	0.07	0.00	0.0%
499	360	4741	0.05	0.05	0.02	0.05	0.05	0.05	0.05	0.00	0.0%
500	10	4386	0.14	0.13	0.01	0.14	0.14	0.06	0.14	0.00	0.0%
501	10	4386	0.15	0.15	0.02	0.15	0.15	0.07	0.15	0.00	0.0%
502	15	4423	5.45	5.24	0.62	5.81	5.55	3.19	5.55	-0.26	-4.5%
503	10	4386	0.17	0.17	0.02	0.17	0.17	0.09	0.17	0.00	0.0%
504	10	4386	0.28	0.28	0.03	0.28	0.28	0.13	0.28	0.00	0.0%
505	360	4741	0.05	0.04	0.02	0.05	0.05	0.05	0.05	0.00	0.0%
506	10	4386	0.08	0.08	0.01	0.08	0.08	0.04	0.08	0.00	0.0%
507	360	4741	0.07	0.06	0.03	0.08	0.01	0.08	0.08	0.00	0.0%
508	360	4741	0.03	0.03	0.01	0.04	0.01	0.04	0.04	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
509	360	4741	0.11	0.09	0.04	0.12	0.09	0.12	0.12	0.00	0.0%
510	10	4387	0.81	0.79	0.06	0.87	0.78	0.41	0.78	-0.09	-10.3%
511	10	4391	1.04	1.03	0.05	1.04	1.00	0.54	1.00	-0.04	-3.8%
512	10	4391	1.10	1.09	0.05	1.12	1.07	0.57	1.07	-0.05	-4.5%
513	10	4387	0.54	0.53	0.05	0.56	0.54	0.26	0.54	-0.02	-3.6%
514	10	4386	0.21	0.21	0.02	0.22	0.22	0.08	0.22	0.00	0.0%
515	10	4386	0.24	0.24	0.02	0.25	0.25	0.11	0.25	0.00	0.0%
516	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
517	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
518	10	4386	0.15	0.14	0.01	0.15	0.15	0.15	0.15	0.00	0.0%
519	10	4386	0.27	0.27	0.03	0.28	0.28	0.15	0.28	0.00	0.0%
520	10	4391	0.32	0.31	0.03	0.33	0.29	0.24	0.29	-0.04	-12.1%
521	10	4386	0.09	0.08	0.01	0.09	0.09	0.05	0.09	0.00	0.0%
522	10	4386	0.10	0.10	0.01	0.10	0.10	0.06	0.10	0.00	0.0%
523	10	4386	0.07	0.06	0.01	0.07	0.07	0.06	0.07	0.00	0.0%
524	360	4741	0.10	0.08	0.04	0.11	0.09	0.11	0.11	0.00	0.0%
525	10	4387	0.78	0.76	0.08	0.78	0.78	0.22	0.78	0.00	0.0%
526	10	4386	0.16	0.16	0.02	0.17	0.17	0.06	0.17	0.00	0.0%
527	10	4384	0.68	0.67	0.07	0.70	0.63	0.40	0.63	-0.07	-10.0%
528	10	4387	0.16	0.15	0.02	0.17	0.16	0.05	0.16	-0.01	-5.9%
529	10	4386	0.05	0.05	0.01	0.05	0.05	0.02	0.05	0.00	0.0%
530	10	4387	0.37	0.36	0.04	0.38	0.37	0.17	0.37	-0.01	-2.6%
531	10	4387	0.13	0.13	0.01	0.14	0.14	0.05	0.14	0.00	0.0%
532	10	4386	0.02	0.02	0.00	0.03	0.03	0.01	0.03	0.00	0.0%
533	10	4386	0.22	0.22	0.02	0.22	0.22	0.10	0.22	0.00	0.0%
534	10	4387	0.46	0.46	0.05	0.46	0.46	0.15	0.46	0.00	0.0%
535	360	4741	0.12	0.10	0.05	0.13	0.10	0.13	0.13	0.00	0.0%
536	360	4741	0.12	0.11	0.05	0.14	0.07	0.14	0.14	0.00	0.0%
537	360	4741	0.11	0.10	0.04	0.12	0.07	0.12	0.12	0.00	0.0%
538	360	4741	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.0%
539	360	4741	0.03	0.03	0.01	0.03	0.02	0.03	0.03	0.00	0.0%
540	360	4741	0.05	0.04	0.02	0.05	0.02	0.05	0.05	0.00	0.0%
541	360	4741	0.13	0.11	0.06	0.14	0.03	0.14	0.14	0.00	0.0%
542	360	4741	0.06	0.05	0.03	0.06	0.00	0.06	0.06	0.00	0.0%
543	360	4741	0.30	0.25	0.12	0.33	0.06	0.33	0.33	0.00	0.0%
544	360	4741	0.07	0.06	0.03	0.07	0.04	0.07	0.07	0.00	0.0%
545	360	4741	0.14	0.12	0.06	0.15	0.00	0.15	0.15	0.00	0.0%
546	360	4741	0.16	0.14	0.07	0.17	0.00	0.17	0.17	0.00	0.0%
547	360	4741	0.29	0.25	0.12	0.32	0.14	0.32	0.32	0.00	0.0%
548	360	4741	0.31	0.27	0.13	0.34	0.14	0.34	0.34	0.00	0.0%
549	360	4741	0.20	0.17	0.08	0.21	0.03	0.21	0.21	0.00	0.0%
550	360	4741	0.33	0.28	0.14	0.38	0.07	0.38	0.38	0.00	0.0%
551	360	4742	0.80	0.68	0.32	0.92	0.21	0.92	0.92	0.00	0.0%
552	360	4742	0.82	0.69	0.33	0.94	0.21	0.95	0.95	0.01	1.1%
553	360	4741	0.28	0.24	0.12	0.31	0.02	0.31	0.31	0.00	0.0%
554	360	4741	0.03	0.03	0.01	0.03	0.02	0.03	0.03	0.00	0.0%
555	360	4741	0.11	0.10	0.05	0.12	0.05	0.12	0.12	0.00	0.0%
556	360	4742	1.61	1.35	0.61	1.87	0.22	1.93	1.93	0.06	3.2%
557	360	4742	1.46	1.23	0.56	1.69	0.22	1.74	1.74	0.05	3.0%
558	360	4741	0.17	0.15	0.07	0.19	0.00	0.19	0.19	0.00	0.0%
559	360	4741	0.12	0.10	0.05	0.13	0.03	0.13	0.13	0.00	0.0%
560	360	4741	0.07	0.06	0.03	0.08	0.03	0.08	0.08	0.00	0.0%
561	10	4386	0.07	0.07	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
562	10	4387	0.11	0.11	0.01	0.12	0.12	0.06	0.12	0.00	0.0%
563	10	4386	0.27	0.27	0.03	0.28	0.28	0.08	0.28	0.00	0.0%
564	10	4386	0.12	0.12	0.01	0.12	0.12	0.04	0.12	0.00	0.0%
565	10	4386	0.12	0.12	0.01	0.12	0.12	0.12	0.12	0.00	0.0%
566	360	4741	0.19	0.16	0.08	0.20	0.14	0.20	0.20	0.00	0.0%
567	360	4741	0.22	0.19	0.09	0.24	0.20	0.24	0.24	0.00	0.0%
568	360	4741	0.28	0.24	0.11	0.31	0.20	0.31	0.31	0.00	0.0%
569	360	4741	0.04	0.04	0.02	0.05	0.02	0.05	0.05	0.00	0.0%
570	360	4741	0.34	0.29	0.14	0.38	0.20	0.38	0.38	0.00	0.0%
571	10	4386	0.04	0.04	0.00	0.04	0.04	0.04	0.04	0.00	0.0%
572	10	4386	0.30	0.30	0.01	0.30	0.30	0.12	0.30	0.00	0.0%
573	10	4387	0.48	0.47	0.05	0.49	0.47	0.16	0.47	-0.02	-4.1%
574	10	4387	0.21	0.20	0.02	0.21	0.21	0.07	0.21	0.00	0.0%
575	360	4741	0.07	0.06	0.03	0.07	0.06	0.07	0.07	0.00	0.0%
576	360	4741	0.03	0.02	0.01	0.03	0.01	0.03	0.03	0.00	0.0%
577	360	4741	0.08	0.07	0.03	0.09	0.02	0.09	0.09	0.00	0.0%
578	360	4741	0.03	0.03	0.01	0.03	0.03	0.03	0.03	0.00	0.0%
579	10	4384	0.76	0.74	0.06	0.77	0.73	0.40	0.73	-0.04	-5.2%
580	360	4741	0.02	0.02	0.01	0.02	0.00	0.02	0.02	0.00	0.0%
581	10	4386	3.69	3.67	0.06	3.71	3.71	1.86	3.71	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
582	10	4387	0.16	0.15	0.02	0.17	0.16	0.07	0.16	-0.01	-5.9%
583	10	4386	0.13	0.12	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
584	10	4386	0.26	0.25	0.03	0.26	0.26	0.10	0.26	0.00	0.0%
585	10	4385	0.66	0.66	0.00	0.66	0.66	0.31	0.66	0.00	0.0%
586	10	4386	0.60	0.60	0.01	0.61	0.61	0.28	0.61	0.00	0.0%
587	10	4386	0.10	0.10	0.01	0.10	0.10	0.05	0.10	0.00	0.0%
588	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
589	10	4386	0.26	0.26	0.03	0.27	0.27	0.11	0.27	0.00	0.0%
590	10	4386	0.33	0.32	0.03	0.33	0.33	0.13	0.33	0.00	0.0%
591	10	4387	0.44	0.43	0.04	0.45	0.44	0.19	0.44	-0.01	-2.2%
592	10	4386	0.10	0.10	0.01	0.10	0.10	0.04	0.10	0.00	0.0%
593	360	4741	0.04	0.03	0.02	0.04	0.00	0.04	0.04	0.00	0.0%
594	360	4741	0.05	0.04	0.02	0.05	0.00	0.05	0.05	0.00	0.0%
595	10	4380	0.25	0.24	0.02	0.26	0.24	0.12	0.24	-0.02	-7.7%
596	10	4386	0.11	0.10	0.01	0.11	0.11	0.04	0.11	0.00	0.0%
597	10	4386	0.12	0.12	0.01	0.12	0.12	0.04	0.12	0.00	0.0%
598	10	4386	0.22	0.22	0.02	0.22	0.22	0.06	0.22	0.00	0.0%
599	10	4380	0.36	0.34	0.04	0.37	0.35	0.17	0.35	-0.02	-5.4%
600	10	4386	0.12	0.11	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
601	360	4741	0.03	0.03	0.02	0.04	0.00	0.04	0.04	0.00	0.0%
602	10	4386	0.24	0.23	0.02	0.24	0.24	0.08	0.24	0.00	0.0%
603	10	4380	0.41	0.40	0.04	0.43	0.40	0.16	0.40	-0.03	-7.0%
604	10	4380	1.14	1.12	0.07	1.16	1.12	0.45	1.12	-0.04	-3.4%
605	10	4386	0.17	0.17	0.02	0.17	0.17	0.06	0.17	0.00	0.0%
606	10	4386	0.09	0.09	0.01	0.09	0.09	0.03	0.09	0.00	0.0%
607	10	4380	0.74	0.71	0.07	0.76	0.71	0.27	0.71	-0.05	-6.6%
608	10	4387	0.32	0.32	0.03	0.32	0.32	0.09	0.32	0.00	0.0%
609	10	4380	0.69	0.67	0.07	0.71	0.67	0.25	0.67	-0.04	-5.6%
610	10	4387	0.37	0.36	0.04	0.38	0.37	0.14	0.37	-0.01	-2.6%
611	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
612	10	4387	1.23	1.22	0.06	1.23	1.23	0.51	1.23	0.00	0.0%
613	10	4386	0.05	0.05	0.00	0.05	0.05	0.02	0.05	0.00	0.0%
614	10	4380	0.25	0.24	0.02	0.26	0.24	0.10	0.24	-0.02	-7.7%
615	10	4380	0.27	0.26	0.03	0.28	0.26	0.11	0.26	-0.02	-7.1%
616	10	4386	0.06	0.06	0.01	0.06	0.06	0.02	0.06	0.00	0.0%
617	360	4741	0.08	0.07	0.03	0.08	0.04	0.08	0.08	0.00	0.0%
618	10	4386	0.25	0.25	0.03	0.26	0.26	0.07	0.26	0.00	0.0%
619	360	4741	0.23	0.20	0.09	0.26	0.14	0.26	0.26	0.00	0.0%
620	10	4380	0.31	0.30	0.03	0.32	0.30	0.34	0.34	0.02	6.3%
621	10	4386	0.08	0.08	0.01	0.08	0.08	0.03	0.08	0.00	0.0%
622	360	4741	0.07	0.06	0.03	0.07	0.01	0.07	0.07	0.00	0.0%
623	360	4741	0.12	0.10	0.05	0.13	0.02	0.13	0.13	0.00	0.0%
624	360	4741	0.13	0.11	0.05	0.14	0.02	0.14	0.14	0.00	0.0%
625	360	4741	0.13	0.11	0.05	0.14	0.01	0.14	0.14	0.00	0.0%
626	360	4741	0.39	0.33	0.16	0.44	0.08	0.44	0.44	0.00	0.0%
627	10	4387	0.27	0.26	0.03	0.27	0.26	0.11	0.26	-0.01	-3.7%
628	10	4386	0.16	0.16	0.02	0.16	0.16	0.06	0.16	0.00	0.0%
629	360	4741	0.06	0.05	0.02	0.06	0.00	0.06	0.06	0.00	0.0%
630	360	4741	0.02	0.02	0.01	0.02	0.00	0.02	0.02	0.00	0.0%
631	360	4741	0.09	0.08	0.04	0.10	0.01	0.10	0.10	0.00	0.0%
632	10	4386	0.13	0.13	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
633	10	4386	0.21	0.21	0.02	0.21	0.21	0.09	0.21	0.00	0.0%
634	10	4386	0.32	0.31	0.03	0.32	0.32	0.12	0.32	0.00	0.0%
635	10	4387	0.39	0.37	0.04	0.41	0.39	0.18	0.39	-0.02	-4.9%
636	10	4386	0.22	0.21	0.02	0.22	0.22	0.08	0.22	0.00	0.0%
637	10	4386	0.30	0.30	0.03	0.30	0.30	0.13	0.30	0.00	0.0%
638	10	4386	0.23	0.22	0.02	0.23	0.23	0.09	0.23	0.00	0.0%
639	10	4380	0.54	0.52	0.05	0.55	0.52	0.29	0.52	-0.03	-5.5%
640	10	4386	0.24	0.24	0.02	0.25	0.25	0.10	0.25	0.00	0.0%
641	10	4386	0.16	0.16	0.02	0.16	0.16	0.05	0.16	0.00	0.0%
642	10	4380	0.43	0.42	0.04	0.45	0.42	0.15	0.42	-0.03	-6.7%
643	10	4387	0.35	0.35	0.04	0.35	0.35	0.10	0.35	0.00	0.0%
644	10	4386	0.93	0.91	0.09	0.94	0.94	0.28	0.94	0.00	0.0%
645	10	4386	0.23	0.23	0.02	0.24	0.24	0.10	0.24	0.00	0.0%
646	10	4384	0.71	0.70	0.03	0.72	0.70	0.34	0.70	-0.02	-2.8%
647	10	4380	0.33	0.32	0.03	0.34	0.32	0.14	0.32	-0.02	-5.9%
648	10	4386	0.11	0.10	0.01	0.11	0.11	0.04	0.11	0.00	0.0%
649	10	4387	0.43	0.41	0.04	0.44	0.42	0.18	0.42	-0.02	-4.5%
650	10	4387	0.60	0.58	0.06	0.63	0.59	0.26	0.59	-0.04	-6.3%
651	10	4386	0.18	0.18	0.02	0.18	0.18	0.08	0.18	0.00	0.0%
652	10	4386	0.18	0.17	0.02	0.18	0.18	0.06	0.18	0.00	0.0%
653	10	4386	0.25	0.24	0.03	0.25	0.25	0.10	0.25	0.00	0.0%
654	10	4387	0.31	0.30	0.03	0.32	0.31	0.13	0.31	-0.01	-3.1%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
655	10	4386	0.17	0.16	0.02	0.17	0.17	0.07	0.17	0.00	0.0%
656	10	4386	0.09	0.08	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
657	10	4386	0.16	0.16	0.02	0.16	0.16	0.06	0.16	0.00	0.0%
658	10	4386	0.07	0.07	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
659	10	4386	0.23	0.22	0.02	0.23	0.23	0.09	0.23	0.00	0.0%
660	10	4386	0.13	0.13	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
661	10	4386	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
662	10	4387	0.46	0.44	0.04	0.47	0.45	0.18	0.45	-0.02	-4.3%
663	10	4386	0.10	0.10	0.01	0.10	0.10	0.04	0.10	0.00	0.0%
664	10	4387	1.30	1.25	0.13	1.35	1.28	0.54	1.28	-0.07	-5.2%
665	10	4387	0.79	0.78	0.08	0.80	0.80	0.31	0.80	0.00	0.0%
666	15	4419	3.71	3.71	0.10	3.72	3.50	3.30	3.50	-0.22	-5.9%
667	10	4386	0.22	0.21	0.02	0.22	0.22	0.09	0.22	0.00	0.0%
668	10	4386	0.10	0.10	0.01	0.10	0.10	0.04	0.10	0.00	0.0%
669	10	4380	0.78	0.75	0.08	0.81	0.76	0.36	0.76	-0.05	-6.2%
670	10	4387	0.70	0.68	0.07	0.72	0.69	0.36	0.69	-0.03	-4.2%
671	10	4387	0.44	0.43	0.04	0.44	0.44	0.20	0.44	0.00	0.0%
672	10	4382	1.14	1.14	0.07	1.14	1.17	0.71	1.17	0.03	2.6%
673	10	4386	0.17	0.17	0.02	0.18	0.18	0.07	0.18	0.00	0.0%
674	10	4386	0.08	0.08	0.01	0.08	0.08	0.03	0.08	0.00	0.0%
675	10	4380	0.20	0.20	0.02	0.21	0.20	0.14	0.20	-0.01	-4.8%
676	10	4386	0.17	0.17	0.02	0.17	0.17	0.08	0.17	0.00	0.0%
677	10	4386	0.22	0.22	0.02	0.22	0.22	0.24	0.24	0.02	9.1%
678	10	4386	0.32	0.31	0.03	0.32	0.32	0.33	0.33	0.01	3.1%
679	360	4741	0.40	0.35	0.17	0.45	0.17	0.45	0.45	0.00	0.0%
680	10	4380	0.25	0.24	0.03	0.26	0.24	0.15	0.24	-0.02	-7.7%
681	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
682	10	4387	0.23	0.22	0.02	0.24	0.23	0.10	0.23	-0.01	-4.2%
683	10	4391	1.28	1.26	0.08	1.31	1.23	1.40	1.40	0.09	6.9%
684	360	4741	0.07	0.06	0.03	0.07	0.06	0.07	0.07	0.00	0.0%
685	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
686	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
687	10	4386	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
688	10	4380	0.30	0.28	0.03	0.31	0.29	0.13	0.29	-0.02	-6.5%
689	360	4741	0.07	0.06	0.03	0.07	0.03	0.07	0.07	0.00	0.0%
690	10	4386	0.09	0.09	0.01	0.09	0.09	0.09	0.09	0.00	0.0%
691	360	4741	0.09	0.08	0.04	0.11	0.04	0.11	0.11	0.00	0.0%
692	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
693	10	4386	0.10	0.10	0.01	0.10	0.10	0.05	0.10	0.00	0.0%
694	10	4380	0.71	0.69	0.07	0.71	0.67	0.39	0.67	-0.04	-5.6%
695	10	4384	1.18	1.16	0.08	1.20	1.13	0.69	1.13	-0.07	-5.8%
696	10	4391	2.13	2.10	0.08	2.15	2.06	1.50	2.06	-0.09	-4.2%
697	10	4386	0.30	0.29	0.03	0.30	0.30	0.11	0.30	0.00	0.0%
698	10	4386	0.31	0.31	0.03	0.32	0.32	0.11	0.32	0.00	0.0%
699	10	4386	0.07	0.06	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
700	10	4387	0.43	0.42	0.04	0.43	0.43	0.17	0.43	0.00	0.0%
701	10	4387	0.51	0.50	0.05	0.51	0.52	0.21	0.52	0.01	2.0%
702	10	4387	0.43	0.42	0.04	0.44	0.42	0.18	0.42	-0.02	-4.5%
703	10	4386	0.26	0.25	0.03	0.26	0.26	0.11	0.26	0.00	0.0%
704	10	4386	0.06	0.06	0.01	0.06	0.06	0.02	0.06	0.00	0.0%
705	10	4386	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
706	10	4386	0.09	0.08	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
707	10	4387	0.40	0.39	0.04	0.41	0.40	0.18	0.40	-0.01	-2.4%
708	15	4425	3.21	3.20	0.08	3.25	3.05	2.48	3.05	-0.20	-6.2%
709	15	4425	3.24	3.24	0.06	3.25	3.05	2.54	3.05	-0.20	-6.2%
710	20	4445	3.26	3.25	0.16	3.29	3.05	2.57	3.05	-0.24	-7.3%
711	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
712	10	4386	0.17	0.17	0.02	0.18	0.18	0.06	0.18	0.00	0.0%
713	10	4386	0.17	0.17	0.02	0.18	0.18	0.07	0.18	0.00	0.0%
714	10	4387	0.26	0.26	0.03	0.27	0.27	0.11	0.27	0.00	0.0%
715	45	4547	5.31	5.33	0.43	5.36	3.34	6.07	6.07	0.71	13.2%
716	10	4386	0.16	0.16	0.02	0.17	0.17	0.07	0.17	0.00	0.0%
717	15	4426	2.86	2.85	0.09	2.91	2.81	2.11	2.81	-0.10	-3.4%
718	10	4387	0.45	0.44	0.05	0.45	0.45	0.17	0.45	0.00	0.0%
719	10	4387	0.30	0.29	0.03	0.31	0.30	0.15	0.30	-0.01	-3.2%
720	10	4386	0.13	0.13	0.01	0.13	0.13	0.06	0.13	0.00	0.0%
721	10	4386	0.19	0.18	0.02	0.19	0.19	0.07	0.19	0.00	0.0%
722	10	4386	0.14	0.14	0.01	0.15	0.15	0.06	0.15	0.00	0.0%
723	10	4386	0.21	0.21	0.02	0.22	0.22	0.08	0.22	0.00	0.0%
724	10	4387	0.17	0.16	0.02	0.17	0.17	0.09	0.17	0.00	0.0%
725	10	4387	0.50	0.48	0.05	0.51	0.50	0.28	0.50	-0.01	-2.0%
726	10	4387	0.14	0.14	0.01	0.14	0.14	0.09	0.14	0.00	0.0%
727	45	4552	7.91	8.10	0.84	8.00	6.12	8.88	8.88	0.88	11.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
728	10	4386	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
729	360	4741	0.03	0.02	0.01	0.03	0.02	0.03	0.03	0.00	0.0%
730	10	4386	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
731	10	4380	0.13	0.13	0.01	0.14	0.13	0.05	0.13	-0.01	-7.1%
732	10	4380	0.55	0.53	0.05	0.57	0.53	0.25	0.53	-0.04	-7.0%
733	10	4382	0.10	0.10	0.01	0.10	0.10	0.05	0.10	0.00	0.0%
734	10	4386	0.05	0.05	0.01	0.05	0.05	0.03	0.05	0.00	0.0%
735	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
736	360	4741	0.25	0.21	0.10	0.27	0.10	0.27	0.27	0.00	0.0%
737	360	4741	0.10	0.09	0.04	0.11	0.05	0.11	0.11	0.00	0.0%
738	360	4741	0.11	0.10	0.05	0.12	0.04	0.12	0.12	0.00	0.0%
739	360	4741	0.06	0.05	0.03	0.07	0.03	0.07	0.07	0.00	0.0%
740	360	4741	0.18	0.16	0.08	0.20	0.06	0.20	0.20	0.00	0.0%
741	360	4741	0.03	0.02	0.01	0.03	0.00	0.03	0.03	0.00	0.0%
742	360	4741	0.07	0.06	0.03	0.07	0.01	0.07	0.07	0.00	0.0%
743	360	4741	0.06	0.05	0.02	0.06	0.02	0.06	0.06	0.00	0.0%
744	10	4386	0.10	0.10	0.01	0.10	0.10	0.09	0.10	0.00	0.0%
745	10	4386	0.05	0.05	0.01	0.05	0.05	0.03	0.05	0.00	0.0%
746	10	4386	0.10	0.10	0.01	0.10	0.10	0.05	0.10	0.00	0.0%
747	10	4386	0.14	0.14	0.01	0.15	0.15	0.08	0.15	0.00	0.0%
748	360	4741	0.10	0.09	0.04	0.11	0.07	0.11	0.11	0.00	0.0%
749	360	4741	0.05	0.04	0.02	0.05	0.00	0.05	0.05	0.00	0.0%
750	360	4741	0.04	0.04	0.02	0.04	0.03	0.04	0.04	0.00	0.0%
751	360	4741	0.11	0.10	0.05	0.12	0.08	0.12	0.12	0.00	0.0%
752	360	4742	10.91	9.60	3.10	12.81	8.39	12.93	12.93	0.12	0.9%
753	10	4386	0.19	0.19	0.02	0.20	0.20	0.06	0.20	0.00	0.0%
754	10	4387	0.48	0.47	0.05	0.48	0.48	0.15	0.48	0.00	0.0%
755	10	4387	0.73	0.71	0.07	0.74	0.72	0.24	0.72	-0.02	-2.7%
756	10	4386	0.02	0.02	0.00	0.02	0.02	0.01	0.02	0.00	0.0%
757	10	4386	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.0%
758	10	4382	0.94	0.94	0.06	0.94	0.97	0.37	0.97	0.03	3.2%
759	360	4741	0.12	0.10	0.05	0.13	0.11	0.13	0.13	0.00	0.0%
760	10	4386	0.08	0.07	0.01	0.08	0.08	0.07	0.08	0.00	0.0%
761	10	4386	0.17	0.16	0.02	0.17	0.17	0.08	0.17	0.00	0.0%
762	10	4387	0.32	0.31	0.03	0.32	0.32	0.15	0.32	0.00	0.0%
763	20	4445	6.57	6.42	0.52	7.07	5.80	5.23	5.80	-1.27	-18.0%
764	10	4386	0.12	0.12	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
765	15	4424	3.70	3.66	0.20	3.72	3.40	2.20	3.40	-0.32	-8.6%
766	360	4741	0.30	0.26	0.12	0.32	0.27	0.32	0.32	0.00	0.0%
767	10	4387	0.15	0.14	0.01	0.15	0.14	0.12	0.14	-0.01	-6.7%
768	10	4386	0.08	0.08	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
769	360	4741	0.06	0.05	0.02	0.06	0.04	0.06	0.06	0.00	0.0%
770	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
771	10	4386	0.07	0.07	0.01	0.07	0.07	0.02	0.07	0.00	0.0%
772	10	4387	0.21	0.20	0.02	0.21	0.20	0.08	0.20	-0.01	-4.8%
773	10	4387	0.31	0.30	0.03	0.32	0.30	0.11	0.30	-0.02	-6.3%
774	10	4386	0.14	0.14	0.01	0.14	0.14	0.04	0.14	0.00	0.0%
775	10	4386	0.25	0.24	0.02	0.25	0.25	0.08	0.25	0.00	0.0%
776	10	4386	0.23	0.22	0.02	0.23	0.23	0.07	0.23	0.00	0.0%
777	10	4386	0.15	0.15	0.02	0.15	0.15	0.07	0.15	0.00	0.0%
778	10	4386	0.31	0.31	0.03	0.32	0.32	0.15	0.32	0.00	0.0%
779	10	4386	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.0%
780	360	4741	0.11	0.10	0.05	0.12	0.10	0.12	0.12	0.00	0.0%
781	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
782	10	4386	0.03	0.03	0.00	0.03	0.03	0.02	0.03	0.00	0.0%
783	10	4386	0.08	0.08	0.01	0.08	0.08	0.03	0.08	0.00	0.0%
784	10	4386	0.07	0.07	0.01	0.07	0.07	0.02	0.07	0.00	0.0%
785	10	4386	0.02	0.02	0.00	0.02	0.02	0.01	0.02	0.00	0.0%
786	10	4387	0.16	0.15	0.02	0.16	0.15	0.06	0.15	-0.01	-6.3%
787	10	4387	0.40	0.39	0.03	0.42	0.38	0.21	0.38	-0.04	-9.5%
788	10	4386	0.03	0.03	0.00	0.03	0.03	0.01	0.03	0.00	0.0%
789	10	4386	0.03	0.03	0.00	0.03	0.03	0.02	0.03	0.00	0.0%
790	10	4386	0.14	0.14	0.01	0.14	0.14	0.05	0.14	0.00	0.0%
791	10	4386	0.07	0.07	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
792	10	4386	0.12	0.12	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
793	10	4386	0.16	0.16	0.02	0.17	0.17	0.07	0.17	0.00	0.0%
794	10	4386	0.07	0.07	0.01	0.07	0.07	0.04	0.07	0.00	0.0%
795	10	4386	0.11	0.11	0.01	0.12	0.12	0.06	0.12	0.00	0.0%
796	360	4741	0.05	0.04	0.02	0.05	0.04	0.05	0.05	0.00	0.0%
797	10	4384	0.53	0.52	0.05	0.55	0.50	0.36	0.50	-0.05	-9.1%
798	360	4741	0.07	0.06	0.03	0.07	0.04	0.07	0.07	0.00	0.0%
799	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
800	10	4386	0.22	0.22	0.02	0.22	0.22	0.09	0.22	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
801	360	4741	0.31	0.27	0.12	0.35	0.07	0.35	0.35	0.00	0.0%
802	10	4386	0.02	0.02	0.00	0.02	0.02	0.01	0.02	0.00	0.0%
803	10	4386	0.12	0.12	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
804	10	4385	3.22	3.22	0.02	3.23	3.24	2.01	3.24	0.01	0.3%
805	10	4385	3.22	3.22	0.02	3.23	3.24	1.81	3.24	0.01	0.3%
806	10	4386	1.74	1.72	0.07	1.75	1.75	0.99	1.75	0.00	0.0%
807	10	4380	1.48	1.46	0.15	1.50	1.41	0.82	1.41	-0.09	-6.0%
808	10	4386	0.26	0.25	0.03	0.26	0.26	0.09	0.26	0.00	0.0%
809	10	4386	0.31	0.30	0.03	0.31	0.31	0.08	0.31	0.00	0.0%
810	360	4741	0.31	0.27	0.12	0.34	0.21	0.34	0.34	0.00	0.0%
811	360	4741	0.23	0.20	0.10	0.25	0.06	0.25	0.25	0.00	0.0%
812	360	4741	0.05	0.04	0.02	0.05	0.03	0.05	0.05	0.00	0.0%
813	10	4387	0.40	0.39	0.03	0.42	0.38	0.22	0.38	-0.04	-9.5%
814	30	4524	6.49	6.42	0.69	6.50	6.18	4.99	6.18	-0.32	-4.9%
815	15	4423	6.77	6.69	0.62	7.17	6.25	5.19	6.25	-0.92	-12.8%
816	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
817	10	4386	0.12	0.11	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
818	20	4450	47.63	47.34	2.06	47.78	44.66	51.59	51.59	3.81	8.0%
819	1440	4882	0.02	0.02	0.00	0.02	0.00	0.01	0.01	-0.01	-50.0%
820	360	4741	0.20	0.17	0.09	0.21	0.14	0.21	0.21	0.00	0.0%
821	20	4450	47.63	47.34	2.06	47.78	44.66	51.43	51.43	3.65	7.6%
822	360	4742	11.16	9.77	3.19	13.15	8.39	13.39	13.39	0.24	1.8%
823	360	4741	0.16	0.14	0.07	0.19	0.07	0.19	0.19	0.00	0.0%
824	10	4386	0.17	0.17	0.02	0.17	0.17	0.12	0.17	0.00	0.0%
825	10	4386	0.02	0.02	0.00	0.03	0.03	0.01	0.03	0.00	0.0%
826	10	4386	0.23	0.23	0.02	0.23	0.23	0.06	0.23	0.00	0.0%
827	10	4386	0.29	0.28	0.03	0.29	0.29	0.09	0.29	0.00	0.0%
828	10	4386	0.33	0.33	0.03	0.34	0.34	0.11	0.34	0.00	0.0%
829	10	4387	0.79	0.77	0.08	0.82	0.78	0.26	0.78	-0.04	-4.9%
830	10	4387	0.32	0.32	0.03	0.32	0.32	0.13	0.32	0.00	0.0%
831	10	4386	0.14	0.14	0.01	0.14	0.14	0.05	0.14	0.00	0.0%
832	10	4387	0.20	0.19	0.02	0.20	0.19	0.08	0.19	-0.01	-5.0%
833	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
834	10	4386	0.15	0.15	0.02	0.15	0.15	0.06	0.15	0.00	0.0%
835	10	4386	0.05	0.05	0.00	0.05	0.05	0.02	0.05	0.00	0.0%
836	10	4380	0.55	0.54	0.04	0.56	0.54	0.36	0.54	-0.02	-3.6%
837	10	4386	0.27	0.26	0.03	0.27	0.27	0.11	0.27	0.00	0.0%
838	10	4386	0.09	0.09	0.01	0.10	0.10	0.04	0.10	0.00	0.0%
839	10	4380	0.28	0.27	0.03	0.29	0.27	0.21	0.27	-0.02	-6.9%
840	10	4386	0.11	0.11	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
841	10	4387	0.33	0.32	0.03	0.34	0.32	0.14	0.32	-0.02	-5.9%
842	10	4386	0.05	0.05	0.01	0.05	0.05	0.02	0.05	0.00	0.0%
843	10	4387	0.57	0.55	0.06	0.59	0.56	0.28	0.56	-0.03	-5.1%
844	10	4387	0.70	0.68	0.07	0.73	0.69	0.34	0.69	-0.04	-5.5%
845	10	4387	1.01	1.00	0.04	1.02	1.01	0.61	1.01	-0.01	-1.0%
846	10	4386	0.17	0.17	0.02	0.17	0.17	0.07	0.17	0.00	0.0%
847	10	4387	0.38	0.37	0.04	0.38	0.38	0.19	0.38	0.00	0.0%
848	10	4386	0.19	0.18	0.02	0.19	0.19	0.08	0.19	0.00	0.0%
849	10	4380	0.21	0.20	0.02	0.22	0.21	0.10	0.21	-0.01	-4.5%
850	10	4386	0.12	0.12	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
851	10	4387	0.74	0.72	0.07	0.77	0.74	0.34	0.74	-0.03	-3.9%
852	10	4387	0.40	0.39	0.04	0.40	0.40	0.16	0.40	0.00	0.0%
853	10	4387	0.52	0.51	0.05	0.54	0.52	0.22	0.52	-0.02	-3.7%
854	10	4380	0.40	0.39	0.04	0.42	0.39	0.19	0.39	-0.03	-7.1%
855	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
856	10	4386	0.13	0.13	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
857	10	4386	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.0%
858	10	4386	0.05	0.05	0.01	0.05	0.05	0.02	0.05	0.00	0.0%
859	10	4386	0.11	0.11	0.01	0.12	0.12	0.05	0.12	0.00	0.0%
860	10	4386	0.20	0.20	0.02	0.20	0.20	0.08	0.20	0.00	0.0%
861	10	4386	0.13	0.13	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
862	10	4386	0.23	0.23	0.02	0.23	0.23	0.09	0.23	0.00	0.0%
863	10	4386	0.24	0.23	0.02	0.24	0.24	0.10	0.24	0.00	0.0%
864	10	4387	0.97	0.93	0.10	1.00	0.95	0.43	0.95	-0.05	-5.0%
865	10	4387	1.10	1.08	0.08	1.10	1.10	0.52	1.10	0.00	0.0%
866	10	4387	1.21	1.19	0.08	1.23	1.21	0.57	1.21	-0.02	-1.6%
867	10	4386	0.26	0.25	0.03	0.26	0.26	0.11	0.26	0.00	0.0%
868	10	4386	0.19	0.18	0.02	0.19	0.19	0.08	0.19	0.00	0.0%
869	10	4386	0.09	0.09	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
870	10	4391	0.79	0.78	0.03	0.80	0.76	0.41	0.76	-0.04	-5.0%
871	10	4386	0.02	0.02	0.00	0.02	0.02	0.01	0.02	0.00	0.0%
872	10	4388	0.59	0.59	0.00	0.60	0.60	0.31	0.60	0.00	0.0%
873	10	4386	0.27	0.26	0.03	0.27	0.27	0.11	0.27	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4389 TP for the 10 minute duration	4741 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
874	15	4422	1.80	1.77	0.12	1.81	1.55	1.34	1.55	-0.26	-14.4%
875	15	4420	1.84	1.82	0.12	1.86	1.61	1.37	1.61	-0.25	-13.4%
876	15	4420	1.85	1.84	0.11	1.87	1.63	1.42	1.63	-0.24	-12.8%
877	10	4390	0.41	0.41	0.01	0.43	0.41	0.19	0.41	-0.02	-4.7%
878	10	4386	0.13	0.13	0.01	0.13	0.13	0.05	0.13	0.00	0.0%
879	20	4450	2.75	2.64	0.21	2.88	2.57	2.07	2.57	-0.31	-10.8%
880	10	4387	0.18	0.17	0.02	0.18	0.17	0.08	0.17	-0.01	-5.6%
881	10	4386	0.05	0.05	0.00	0.05	0.05	0.03	0.05	0.00	0.0%
882	10	4391	0.78	0.76	0.06	0.78	0.71	0.47	0.71	-0.07	-9.0%
883	10	4391	0.71	0.70	0.05	0.71	0.65	0.45	0.65	-0.06	-8.5%
884	10	4391	3.23	3.22	0.06	3.24	3.21	2.69	3.21	-0.03	-0.9%
885	10	4391	2.01	1.95	0.16	2.04	1.88	1.89	1.89	-0.15	-7.4%
886	10	4386	0.23	0.23	0.02	0.23	0.23	0.09	0.23	0.00	0.0%
887	10	4386	0.17	0.17	0.02	0.17	0.17	0.07	0.17	0.00	0.0%
888	10	4386	0.22	0.21	0.02	0.22	0.22	0.09	0.22	0.00	0.0%
889	360	4741	0.05	0.04	0.02	0.05	0.02	0.05	0.05	0.00	0.0%
890	10	4386	0.19	0.19	0.02	0.19	0.19	0.08	0.19	0.00	0.0%
891	10	4386	0.31	0.30	0.03	0.31	0.31	0.12	0.31	0.00	0.0%
892	10	4380	1.08	1.06	0.07	1.10	1.06	0.50	1.06	-0.04	-3.6%
893	10	4380	0.25	0.24	0.02	0.26	0.24	0.12	0.24	-0.02	-7.7%
894	10	4387	0.31	0.30	0.03	0.32	0.31	0.13	0.31	-0.01	-3.1%
895	10	4386	0.22	0.22	0.02	0.22	0.22	0.08	0.22	0.00	0.0%
896	10	4386	1.41	1.40	0.03	1.41	1.41	0.71	1.41	0.00	0.0%
897	10	4386	0.29	0.29	0.03	0.29	0.29	0.13	0.29	0.00	0.0%
898	10	4386	0.24	0.23	0.02	0.24	0.24	0.10	0.24	0.00	0.0%
899	10	4386	0.04	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
900	10	4386	0.21	0.20	0.02	0.21	0.21	0.08	0.21	0.00	0.0%
901	10	4386	0.22	0.21	0.02	0.22	0.22	0.09	0.22	0.00	0.0%
902	10	4386	0.25	0.25	0.03	0.25	0.25	0.11	0.25	0.00	0.0%
903	10	4386	0.17	0.17	0.02	0.18	0.18	0.07	0.18	0.00	0.0%
904	10	4391	1.98	1.92	0.17	2.02	1.82	1.85	1.85	-0.17	-8.4%
905	10	4386	0.14	0.14	0.01	0.14	0.14	0.05	0.14	0.00	0.0%
906	10	4387	0.28	0.27	0.03	0.29	0.28	0.13	0.28	-0.01	-3.4%
907	10	4380	0.72	0.70	0.04	0.73	0.71	0.77	0.77	0.04	5.5%
908	10	4380	0.57	0.55	0.06	0.57	0.53	0.45	0.53	-0.04	-7.0%
909	360	4741	0.51	0.44	0.21	0.58	0.41	0.58	0.58	0.00	0.0%
910	10	4387	0.19	0.19	0.01	0.20	0.18	0.12	0.18	-0.02	-10.0%
911	10	4386	0.10	0.10	0.01	0.10	0.10	0.05	0.10	0.00	0.0%
912	15	4420	1.56	1.56	0.04	1.58	1.31	1.16	1.31	-0.27	-17.1%
913	10	4386	0.11	0.10	0.01	0.11	0.11	0.05	0.11	0.00	0.0%
914	10	4386	0.07	0.06	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
915	10	4386	0.19	0.18	0.02	0.19	0.19	0.08	0.19	0.00	0.0%
916	10	4380	0.37	0.36	0.04	0.39	0.37	0.19	0.37	-0.02	-5.1%
917	10	4380	1.47	1.42	0.15	1.51	1.42	0.49	1.42	-0.09	-6.0%
918	10	4386	0.91	0.90	0.09	0.92	0.92	0.28	0.92	0.00	0.0%
919	10	4386	0.20	0.19	0.02	0.20	0.20	0.06	0.20	0.00	0.0%
920	10	4380	0.35	0.33	0.03	0.36	0.34	0.13	0.34	-0.02	-5.6%
921	10	4385	0.55	0.54	0.02	0.55	0.56	0.26	0.56	0.01	1.8%
922	10	4380	0.75	0.73	0.06	0.76	0.73	0.36	0.73	-0.03	-3.9%
923	10	4386	0.31	0.30	0.03	0.31	0.31	0.14	0.31	0.00	0.0%
924	10	4386	0.29	0.29	0.03	0.29	0.29	0.12	0.29	0.00	0.0%
925	10	4380	1.24	1.20	0.10	1.28	1.22	0.62	1.22	-0.06	-4.7%
926	10	4380	0.19	0.18	0.02	0.19	0.18	0.08	0.18	-0.01	-5.3%
927	10	4387	0.33	0.33	0.03	0.33	0.33	0.13	0.33	0.00	0.0%
928	10	4386	0.13	0.12	0.01	0.13	0.13	0.04	0.13	0.00	0.0%
929	10	4386	0.22	0.21	0.02	0.22	0.22	0.09	0.22	0.00	0.0%
930	10	4386	0.08	0.08	0.01	0.08	0.08	0.04	0.08	0.00	0.0%
931	10	4386	0.64	0.62	0.06	0.64	0.64	0.28	0.64	0.00	0.0%
932	10	4386	0.31	0.30	0.03	0.31	0.31	0.12	0.31	0.00	0.0%
933	10	4386	0.28	0.28	0.03	0.28	0.28	0.12	0.28	0.00	0.0%
934	10	4386	0.27	0.26	0.03	0.27	0.27	0.11	0.27	0.00	0.0%
935	10	4380	0.63	0.61	0.06	0.65	0.61	0.28	0.61	-0.04	-6.2%

Average Difference (All Subcatchments)	**-0.02%**
Average Difference (Focus Locations)	**5.80%**

ARR2016 Results for 20% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
1	360	4740	87.09	79.22	18.09	100.88	61.84	88.99	79.52	88.99	-11.89	-11.8%
2	120	4645	0.53	0.46	0.21	0.58	0.32	0.58	0.36	0.58	0.00	0.0%
3	120	4645	0.51	0.44	0.22	0.59	0.23	0.59	0.35	0.59	0.00	0.0%
4	120	4643	0.99	0.83	0.39	1.01	0.28	1.11	0.72	1.11	0.10	9.9%
5	120	4643	1.17	1.08	0.43	1.18	0.70	1.36	0.85	1.36	0.18	15.3%
6	120	4643	3.13	2.85	1.02	3.16	2.04	3.64	2.47	3.64	0.48	15.2%
7	120	4643	3.54	3.06	1.09	3.87	0.99	3.97	2.98	3.97	0.10	2.6%
8	120	4643	3.99	3.67	1.13	4.18	2.05	4.70	3.24	4.70	0.52	12.4%
9	10	4386	0.59	0.58	0.06	0.59	0.59	0.59	0.34	0.59	0.00	0.0%
10	120	4643	4.75	4.02	1.73	4.97	2.66	5.37	3.62	5.37	0.40	8.0%
11	120	4645	0.51	0.42	0.22	0.59	0.19	0.59	0.35	0.59	0.00	0.0%
12	120	4643	1.91	1.59	0.78	1.92	0.65	2.21	1.40	2.21	0.29	15.1%
13	120	4643	0.33	0.30	0.11	0.36	0.07	0.36	0.28	0.36	0.00	0.0%
14	120	4643	0.45	0.39	0.15	0.49	0.11	0.49	0.36	0.49	0.00	0.0%
15	120	4643	1.07	0.92	0.36	1.15	0.30	1.16	0.86	1.16	0.01	0.9%
16	120	4643	7.69	6.79	2.20	8.25	2.80	8.85	6.46	8.85	0.60	7.3%
17	10	4387	0.73	0.71	0.07	0.73	0.74	0.49	0.29	0.74	0.01	1.4%
18	10	4386	2.75	2.72	0.15	2.78	2.78	2.00	1.19	2.78	0.00	0.0%
19	180	4677	0.62	0.61	0.18	0.64	0.10	0.60	0.60	0.60	-0.04	-6.3%
20	120	4643	2.62	2.26	0.98	2.69	0.79	3.06	1.97	3.06	0.37	13.8%
21	180	4677	3.45	3.32	0.99	3.56	1.22	3.97	2.90	3.97	0.41	11.5%
22	180	4677	8.62	8.23	2.52	8.87	2.80	9.90	7.34	9.90	1.03	11.6%
23	10	4387	1.04	1.02	0.11	1.04	1.05	0.75	0.70	1.05	0.01	1.0%
24	120	4643	3.14	2.65	1.08	3.32	0.81	3.63	2.46	3.63	0.31	9.3%
25	120	4643	3.78	3.25	1.18	4.12	1.18	4.40	3.15	4.40	0.28	6.8%
26	120	4643	5.64	4.89	1.91	6.00	2.81	6.51	4.41	6.51	0.51	8.5%
27	10	4387	0.74	0.73	0.08	0.74	0.75	0.74	0.43	0.75	0.01	1.4%
28	10	4387	0.88	0.86	0.09	0.88	0.89	0.62	0.39	0.89	0.01	1.1%
29	15	4421	3.61	3.63	0.29	3.65	3.64	2.95	1.82	3.64	-0.01	-0.3%
30	120	4643	0.67	0.58	0.25	0.68	0.35	0.73	0.49	0.73	0.05	7.4%
31	180	4677	12.10	11.52	3.50	12.43	3.60	13.91	10.41	13.91	1.48	11.9%
32	10	4387	1.15	1.13	0.12	1.15	1.16	0.73	0.40	1.16	0.01	0.9%
33	15	4425	4.48	4.47	0.12	4.48	4.04	3.86	2.39	4.04	-0.44	-9.8%
34	360	4739	9.31	8.90	1.67	9.43	3.80	8.97	9.43	9.43	0.00	0.0%
35	120	4643	0.63	0.54	0.22	0.66	0.35	0.66	0.48	0.66	0.00	0.0%
36	120	4643	2.27	1.96	0.78	2.38	1.50	2.49	1.74	2.49	0.11	4.6%
37	10	4387	1.11	1.07	0.11	1.14	1.10	1.09	0.77	1.10	-0.04	-3.5%
38	120	4643	1.19	0.99	0.44	1.25	0.50	1.35	0.89	1.35	0.10	8.0%
39	120	4643	3.00	2.59	1.00	3.20	2.02	3.31	2.33	3.31	0.11	3.4%
40	180	4677	12.58	11.92	3.56	12.93	3.60	14.30	10.95	14.30	1.37	10.6%
41	10	4387	0.70	0.69	0.07	0.70	0.71	0.53	0.32	0.71	0.01	1.4%
42	180	4677	14.93	14.19	4.00	15.32	3.79	16.17	13.29	16.17	0.85	5.5%
43	10	4387	1.29	1.27	0.13	1.29	1.30	0.82	0.49	1.30	0.01	0.8%
44	360	4739	9.33	8.91	1.67	9.45	3.80	8.98	9.45	9.45	0.00	0.0%
45	120	4643	0.49	0.44	0.18	0.50	0.34	0.52	0.36	0.52	0.02	4.0%
46	180	4677	15.13	14.41	4.01	15.52	3.79	16.28	13.58	16.28	0.76	4.9%
47	120	4645	0.40	0.36	0.13	0.41	0.27	0.41	0.31	0.41	0.00	0.0%
48	10	4387	0.79	0.78	0.08	0.79	0.80	0.74	0.52	0.80	0.01	1.3%
49	120	4641	0.48	0.42	0.19	0.50	0.35	0.53	0.33	0.53	0.03	6.0%
50	120	4643	1.50	1.38	0.50	1.51	1.28	1.56	1.13	1.56	0.05	3.3%
51	10	4387	1.28	1.26	0.13	1.29	1.30	0.78	0.41	1.30	0.01	0.8%
52	10	4380	2.12	2.06	0.16	2.17	2.07	1.57	1.00	2.07	-0.10	-4.6%
53	10	4386	1.96	1.92	0.20	1.99	1.99	1.44	0.91	1.99	0.00	0.0%
54	180	4677	15.70	15.02	4.06	16.15	3.79	16.66	14.38	16.66	0.51	3.2%
55	10	4387	1.30	1.28	0.13	1.31	1.32	0.81	0.44	1.32	0.01	0.8%
56	10	4384	3.51	3.45	0.33	3.64	3.28	2.49	1.55	3.28	-0.36	-9.9%
57	10	4380	4.86	4.71	0.41	4.93	4.65	3.43	2.12	4.65	-0.28	-5.7%
58	360	4739	9.69	9.33	1.69	9.84	3.72	8.98	9.84	9.84	0.00	0.0%
59	10	4386	2.02	1.99	0.21	2.04	2.04	1.19	0.66	2.04	0.00	0.0%
60	360	4739	10.75	10.69	1.74	11.28	7.36	9.19	11.28	11.28	0.00	0.0%
61	120	4643	1.58	1.42	0.54	1.64	1.27	1.74	1.18	1.74	0.10	6.1%
62	120	4643	2.50	2.28	0.78	2.66	1.54	2.79	1.96	2.79	0.13	4.9%
63	120	4645	0.70	0.65	0.23	0.71	0.52	0.71	0.54	0.71	0.00	0.0%
64	120	4643	4.52	3.98	1.39	4.88	2.13	5.19	3.65	5.19	0.31	6.4%
65	120	4643	0.37	0.31	0.14	0.37	0.18	0.39	0.27	0.39	0.02	5.4%
66	180	4677	16.46	15.86	4.07	16.97	4.75	17.04	15.60	17.04	0.07	0.4%
67	120	4645	0.44	0.38	0.18	0.49	0.25	0.49	0.30	0.49	0.00	0.0%
68	120	4645	0.61	0.55	0.22	0.62	0.54	0.62	0.44	0.62	0.00	0.0%
69	180	4676	5.85	5.64	1.70	6.02	2.95	6.78	4.90	6.78	0.76	12.6%
70	180	4677	16.62	16.04	4.06	17.15	4.75	17.12	15.88	17.12	-0.03	-0.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
71	10	4387	0.93	0.92	0.10	0.93	0.94	0.63	0.39	0.94	0.01	1.1%
72	180	4677	21.44	20.74	5.24	21.84	6.42	21.01	20.72	21.01	-0.83	-3.8%
73	10	4387	1.10	1.07	0.11	1.13	1.10	0.95	0.63	1.10	-0.03	-2.7%
74	120	4643	5.14	4.50	1.49	5.64	2.26	5.96	4.20	5.96	0.32	5.7%
75	10	4387	0.97	0.95	0.10	0.97	0.98	0.61	0.33	0.98	0.01	1.0%
76	10	4386	3.56	3.52	0.19	3.61	3.61	2.26	1.34	3.61	0.00	0.0%
77	10	4386	4.62	4.57	0.18	4.63	4.63	3.04	1.82	4.63	0.00	0.0%
78	360	4740	11.77	11.64	1.96	12.29	9.36	9.82	12.44	12.44	0.15	1.2%
79	10	4387	1.02	1.01	0.10	1.03	1.04	0.75	0.50	1.04	0.01	1.0%
80	180	4677	21.80	21.14	5.23	22.28	6.42	21.23	21.35	21.35	-0.93	-4.2%
81	10	4387	1.06	1.05	0.11	1.07	1.08	0.66	0.38	1.08	0.01	0.9%
82	10	4385	13.48	13.51	0.25	13.49	13.63	12.73	14.09	14.09	0.60	4.4%
83	180	4677	0.72	0.70	0.10	0.73	0.63	0.78	0.70	0.78	0.05	6.8%
84	120	4641	1.27	1.17	0.48	1.30	1.01	1.44	0.92	1.44	0.14	10.8%
85	10	4391	0.69	0.68	0.05	0.71	0.66	0.67	0.43	0.67	-0.04	-5.6%
86	120	4645	1.12	1.04	0.34	1.16	0.92	1.16	0.87	1.16	0.00	0.0%
87	10	4380	0.79	0.76	0.08	0.82	0.77	0.58	0.32	0.77	-0.05	-6.1%
88	180	4677	22.28	21.69	5.24	22.84	6.69	21.58	22.08	22.08	-0.76	-3.3%
89	120	4645	0.48	0.43	0.19	0.51	0.47	0.51	0.32	0.51	0.00	0.0%
90	180	4677	21.49	21.28	5.25	22.43	0.73	19.95	21.80	21.80	-0.63	-2.8%
91	10	4380	0.88	0.84	0.09	0.91	0.86	0.63	0.35	0.86	-0.05	-5.5%
92	120	4643	2.21	2.02	0.60	2.34	0.95	2.53	1.87	2.53	0.19	8.1%
93	120	4643	1.52	1.53	0.34	1.54	1.16	1.65	1.28	1.65	0.11	7.1%
94	180	4677	21.58	21.41	5.23	22.55	0.80	19.98	21.97	21.97	-0.58	-2.6%
95	10	4387	1.18	1.16	0.12	1.19	1.20	0.73	0.38	1.20	0.01	0.8%
96	10	4387	1.36	1.33	0.14	1.36	1.37	0.81	0.43	1.37	0.01	0.7%
97	10	4387	1.22	1.20	0.12	1.22	1.23	0.79	0.45	1.23	0.01	0.8%
98	1440	4847	20.90	20.90	0.00	20.90	20.90	20.90	20.90	20.90	0.00	0.0%
99	10	4387	1.07	1.05	0.05	1.12	1.06	0.80	0.46	1.06	-0.06	-5.4%
100	360	4739	22.56	21.76	4.60	23.26	1.75	20.36	23.26	23.26	0.00	0.0%
101	10	4380	0.94	0.91	0.07	0.95	0.92	0.72	0.39	0.92	-0.03	-3.2%
102	360	4742	3.04	2.78	0.82	3.44	0.32	3.19	2.85	3.19	-0.25	-7.3%
103	10	4386	2.79	2.73	0.28	2.79	2.79	1.61	0.89	2.79	0.00	0.0%
104	10	4387	3.37	3.29	0.33	3.44	3.37	2.03	1.11	3.37	-0.07	-2.0%
105	10	4387	0.94	0.93	0.10	0.95	0.96	0.60	0.32	0.96	0.01	1.1%
106	60	4582	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
107	10	4391	1.13	1.12	0.05	1.15	1.10	0.91	0.53	1.10	-0.05	-4.3%
108	360	4742	3.35	3.07	0.89	3.78	1.09	3.30	3.21	3.30	-0.48	-12.7%
109	10	4387	0.97	0.95	0.10	0.97	0.98	0.62	0.36	0.98	0.01	1.0%
110	1440	4847	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	10	4386	1.14	1.11	0.07	1.15	1.15	0.83	0.48	1.15	0.00	0.0%
112	360	4739	22.92	22.19	4.61	23.73	3.21	20.38	23.73	23.73	0.00	0.0%
113	120	4643	0.65	0.60	0.23	0.65	0.63	0.72	0.47	0.72	0.07	10.8%
114	120	4645	0.87	0.74	0.37	1.03	0.27	1.03	0.60	1.03	0.00	0.0%
115	10	4387	0.88	0.84	0.09	0.92	0.86	0.65	0.40	0.86	-0.06	-6.5%
116	10	4386	7.55	7.51	0.55	7.77	7.77	5.49	3.11	7.77	0.00	0.0%
117	10	4389	23.03	23.12	0.42	23.07	23.30	21.00	21.05	23.30	0.23	1.0%
118	360	4739	23.09	22.39	4.62	23.95	4.15	20.39	23.95	23.95	0.00	0.0%
119	10	4391	1.47	1.45	0.11	1.51	1.40	1.16	0.63	1.40	-0.11	-7.3%
120	15	4420	2.64	2.62	0.16	2.68	2.30	2.51	1.65	2.51	-0.17	-6.3%
121	120	4641	3.87	3.59	1.31	4.20	3.44	4.34	2.85	4.34	0.14	3.3%
122	360	4742	4.12	3.85	1.15	4.81	0.74	3.25	4.08	4.08	-0.73	-15.2%
123	15	4423	7.77	7.47	0.88	8.27	7.83	6.45	3.80	7.83	-0.44	-5.3%
124	60	4579	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
125	10	4387	1.42	1.36	0.14	1.48	1.39	1.06	0.56	1.39	-0.09	-6.1%
126	360	4739	37.36	36.49	6.78	39.66	24.97	29.86	39.66	39.66	0.00	0.0%
127	10	4385	1.66	1.67	0.10	1.66	1.71	1.53	0.88	1.71	0.05	3.0%
128	120	4643	2.95	2.72	1.05	2.95	2.69	3.31	2.20	3.31	0.36	12.2%
129	10	4386	1.45	1.44	0.05	1.45	1.45	1.27	0.74	1.45	0.00	0.0%
130	360	4739	40.61	39.64	7.59	43.23	27.74	30.02	43.23	43.23	0.00	0.0%
131	10	4387	2.85	2.79	0.20	2.91	2.83	2.30	1.37	2.83	-0.08	-2.7%
132	360	4739	6.66	6.29	2.02	6.67	3.10	5.80	6.67	6.67	0.00	0.0%
133	10	4387	2.26	2.21	0.16	2.30	2.25	1.74	0.98	2.25	-0.05	-2.2%
134	360	4740	7.62	7.13	2.24	8.15	3.18	7.37	7.48	7.48	-0.67	-8.2%
135	10	4380	1.61	1.55	0.16	1.67	1.57	1.09	0.60	1.57	-0.10	-6.0%
136	10	4387	1.23	1.21	0.08	1.25	1.23	1.10	0.67	1.23	-0.02	-1.6%
137	10	4384	1.00	0.99	0.04	1.02	0.98	0.76	0.43	0.98	-0.04	-3.9%
138	360	4740	8.43	7.85	2.43	9.41	5.75	8.60	8.04	8.60	-0.81	-8.6%
139	15	4420	7.03	6.96	0.42	7.09	6.80	7.10	4.97	7.10	0.01	0.1%
140	10	4387	0.79	0.77	0.08	0.81	0.78	0.54	0.31	0.78	-0.03	-3.7%
141	270	4707	8.82	8.55	1.79	9.30	6.87	9.01	8.26	9.01	-0.29	-3.1%
142	10	4380	0.51	0.49	0.05	0.53	0.50	0.37	0.18	0.50	-0.03	-5.7%
143	270	4707	9.38	9.16	1.76	10.07	7.42	9.62	8.59	9.62	-0.45	-4.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
144	270	4707	9.69	9.48	1.74	10.49	7.43	10.07	8.78	10.07	-0.42	-4.0%
145	360	4739	41.32	40.30	7.76	43.87	29.48	30.05	43.87	43.87	0.00	0.0%
146	10	4391	2.28	2.22	0.16	2.30	2.17	1.74	1.04	2.17	-0.13	-5.7%
147	10	4391	2.61	2.55	0.19	2.65	2.40	1.71	1.05	2.40	-0.25	-9.4%
148	10	4390	0.83	0.83	0.04	0.83	0.85	0.63	0.35	0.85	0.02	2.4%
149	10	4380	1.84	1.78	0.14	1.88	1.80	1.35	0.80	1.80	-0.08	-4.3%
150	10	4380	2.93	2.88	0.15	2.97	2.90	2.29	1.31	2.90	-0.07	-2.4%
151	10	4391	4.96	4.85	0.30	5.04	4.66	3.75	2.35	4.66	-0.38	-7.5%
152	10	4384	0.71	0.70	0.06	0.73	0.65	0.55	0.31	0.65	-0.08	-11.0%
153	360	4735	2.21	2.23	0.04	2.22	2.04	2.15	2.21	2.21	-0.01	-0.5%
154	10	4385	3.53	3.52	0.12	3.54	3.60	2.13	1.13	3.60	0.06	1.7%
155	360	4739	50.21	49.20	10.67	52.78	34.80	39.46	52.78	52.78	0.00	0.0%
156	10	4386	1.25	1.23	0.07	1.26	1.26	0.78	0.39	1.26	0.00	0.0%
157	10	4389	2.31	2.32	0.04	2.32	2.34	1.36	0.75	2.34	0.02	0.9%
158	10	4385	1.00	1.00	0.02	1.01	1.02	0.91	0.54	1.02	0.01	1.0%
159	360	4739	50.63	49.59	10.81	53.13	36.57	40.48	53.13	53.13	0.00	0.0%
160	10	4384	1.84	1.82	0.09	1.87	1.80	1.35	0.75	1.80	-0.07	-3.7%
161	10	4386	2.29	2.27	0.05	2.30	2.30	1.76	1.01	2.30	0.00	0.0%
162	20	4453	7.76	7.66	0.41	7.82	7.50	6.33	3.87	7.50	-0.32	-4.1%
163	360	4739	50.83	49.76	10.87	53.29	37.10	40.94	53.29	53.29	0.00	0.0%
164	10	4380	1.09	1.06	0.09	1.11	1.07	0.82	0.45	1.07	-0.04	-3.6%
165	120	4641	6.52	6.15	1.60	6.87	5.02	7.24	5.16	7.24	0.37	5.4%
166	20	4449	3.84	3.82	0.29	3.87	3.23	3.91	2.26	3.91	0.04	1.0%
167	120	4641	6.39	5.98	1.59	6.74	5.02	7.08	5.05	7.08	0.34	5.0%
168	10	4380	0.75	0.73	0.08	0.78	0.73	0.59	0.36	0.73	-0.05	-6.4%
169	10	4380	0.88	0.86	0.06	0.90	0.87	0.74	0.41	0.87	-0.03	-3.3%
170	10	4387	1.56	1.51	0.11	1.67	1.48	1.34	0.77	1.48	-0.19	-11.4%
171	120	4641	7.15	6.85	1.74	7.40	5.02	7.94	5.59	7.94	0.54	7.3%
172	120	4643	0.81	0.71	0.30	0.84	0.12	0.96	0.59	0.96	0.12	14.3%
173	10	4389	1.31	1.31	0.02	1.31	1.32	1.34	0.75	1.34	0.03	2.3%
174	360	4739	53.02	51.74	11.59	55.02	43.74	45.31	55.02	55.02	0.00	0.0%
175	120	4643	2.19	2.01	0.77	2.21	1.38	2.55	1.59	2.55	0.34	15.4%
176	120	4641	0.63	0.57	0.23	0.67	0.57	0.69	0.44	0.69	0.02	3.0%
177	120	4645	0.81	0.68	0.33	0.96	0.12	0.96	0.57	0.96	0.00	0.0%
178	120	4643	1.40	1.20	0.54	1.44	0.70	1.65	1.01	1.65	0.21	14.6%
179	10	4380	2.81	2.79	0.12	2.82	2.70	2.24	1.26	2.70	-0.12	-4.3%
180	10	4380	0.84	0.81	0.08	0.87	0.82	0.66	0.36	0.82	-0.05	-5.7%
181	360	4739	53.94	52.49	11.82	55.61	44.26	46.99	55.61	55.61	0.00	0.0%
182	10	4387	1.01	0.99	0.10	1.04	1.02	0.74	0.41	1.02	-0.02	-1.9%
183	10	4390	2.23	2.23	0.02	2.30	2.23	1.93	1.23	2.23	-0.07	-3.0%
184	10	4387	0.65	0.64	0.07	0.65	0.65	0.42	0.23	0.65	0.00	0.0%
185	15	4425	3.59	3.56	0.10	3.65	3.49	3.48	2.15	3.49	-0.16	-4.4%
186	120	4645	0.67	0.58	0.28	0.81	0.09	0.81	0.45	0.81	0.00	0.0%
187	120	4641	0.77	0.70	0.29	0.77	0.20	0.89	0.54	0.89	0.12	15.6%
188	120	4645	0.63	0.56	0.25	0.76	0.06	0.76	0.45	0.76	0.00	0.0%
189	120	4645	1.55	1.42	0.58	1.85	0.29	1.85	1.10	1.85	0.00	0.0%
190	10	4389	0.85	0.85	0.03	0.85	0.87	0.69	0.37	0.87	0.02	2.4%
191	360	4739	54.05	52.59	11.84	55.68	44.26	47.13	55.68	55.68	0.00	0.0%
192	20	4445	4.72	4.72	0.23	4.76	4.32	4.60	3.02	4.60	-0.16	-3.4%
193	120	4641	8.65	8.45	1.88	8.75	5.02	9.73	6.92	9.73	0.98	11.2%
194	10	4384	0.94	0.94	0.00	0.94	0.94	0.78	0.42	0.94	0.00	0.0%
195	10	4386	4.63	4.59	0.11	4.68	4.68	3.31	1.77	4.68	0.00	0.0%
196	10	4391	1.06	1.05	0.02	1.07	1.04	0.78	0.46	1.04	-0.03	-2.8%
197	120	4643	12.61	12.13	2.89	13.39	8.64	14.34	10.01	14.34	0.95	7.1%
198	15	4424	5.41	5.37	0.38	5.44	5.23	4.27	2.41	5.23	-0.21	-3.9%
199	360	4739	54.20	52.69	11.88	55.77	44.26	47.31	55.77	55.77	0.00	0.0%
200	120	4645	0.48	0.40	0.21	0.57	0.14	0.57	0.33	0.57	0.00	0.0%
201	120	4641	13.04	12.56	2.96	13.04	9.02	14.87	10.41	14.87	1.83	14.0%
202	120	4645	3.85	3.65	1.32	4.44	3.36	4.44	2.66	4.44	0.00	0.0%
203	120	4641	13.30	12.84	3.00	13.38	9.02	15.21	10.66	15.21	1.83	13.7%
204	120	4643	3.60	3.35	0.99	3.91	0.33	4.24	2.76	4.24	0.33	8.4%
205	360	4739	55.01	53.34	12.10	56.25	44.37	48.52	56.25	56.25	0.00	0.0%
206	10	4387	0.59	0.58	0.06	0.61	0.59	0.64	0.37	0.64	0.03	4.9%
207	120	4643	17.13	16.72	4.24	18.00	11.83	19.69	13.37	19.69	1.69	9.4%
208	120	4645	0.79	0.74	0.29	0.94	0.42	0.94	0.55	0.94	0.00	0.0%
209	360	4739	57.19	55.11	12.61	57.89	44.67	52.16	57.89	57.89	0.00	0.0%
210	10	4384	0.77	0.75	0.05	0.78	0.76	0.61	0.34	0.76	-0.02	-2.6%
211	360	4739	57.44	55.33	12.68	58.04	44.67	52.55	58.04	58.04	0.00	0.0%
212	10	4389	1.46	1.48	0.08	1.47	1.53	1.01	0.52	1.53	0.06	4.1%
213	120	4643	18.05	17.52	4.08	18.86	11.83	20.80	14.29	20.80	1.94	10.3%
214	60	4578	1.18	1.21	0.21	1.29	1.04	1.34	0.74	1.34	0.05	3.9%
215	360	4739	57.53	55.42	12.70	58.10	44.67	52.66	58.10	58.10	0.00	0.0%
216	120	4643	18.35	17.77	3.95	19.02	11.83	21.06	14.70	21.06	2.04	10.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
217	360	4739	57.93	55.78	12.80	58.34	44.71	53.31	58.34	58.34	0.00	0.0%
218	1440	4882	0.09	0.10	0.01	0.10	0.00	0.02	0.05	0.05	-0.05	-50.0%
219	60	4578	1.14	1.18	0.20	1.26	1.04	1.26	0.70	1.26	0.00	0.0%
220	10	4387	0.95	0.93	0.10	0.95	0.96	0.58	0.33	0.96	0.01	1.1%
221	10	4387	1.63	1.60	0.17	1.64	1.64	0.96	0.56	1.64	0.00	0.0%
222	10	4385	4.18	4.19	0.28	4.22	4.36	2.90	1.72	4.36	0.14	3.3%
223	15	4420	3.68	3.65	0.21	3.71	3.10	2.77	1.82	3.10	-0.61	-16.4%
224	10	4384	1.35	1.34	0.12	1.40	1.28	0.95	0.59	1.28	-0.12	-8.6%
225	10	4386	1.79	1.75	0.15	1.82	1.82	1.21	0.69	1.82	0.00	0.0%
226	10	4380	1.14	1.11	0.09	1.15	1.11	0.78	0.46	1.11	-0.04	-3.5%
227	10	4386	3.12	3.09	0.20	3.14	3.14	2.19	1.29	3.14	0.00	0.0%
228	10	4387	0.75	0.72	0.07	0.77	0.74	0.51	0.31	0.74	-0.03	-3.9%
229	10	4386	4.07	4.03	0.20	4.12	4.12	2.96	1.74	4.12	0.00	0.0%
230	10	4385	1.94	1.93	0.11	1.94	2.00	1.35	0.79	2.00	0.06	3.1%
231	15	4424	7.91	7.75	0.68	7.92	7.34	6.69	4.36	7.34	-0.58	-7.3%
232	120	4645	0.61	0.55	0.25	0.72	0.41	0.72	0.41	0.72	0.00	0.0%
233	30	4523	12.63	12.62	0.42	12.67	9.48	11.75	8.25	11.75	-0.92	-7.3%
234	360	4738	0.23	0.23	0.04	0.24	0.01	0.21	0.21	0.21	-0.03	-12.5%
235	360	4740	73.45	68.99	16.65	80.46	54.52	74.36	71.54	74.36	-6.10	-7.6%
236	10	4387	0.61	0.60	0.06	0.61	0.61	0.37	0.21	0.61	0.00	0.0%
237	30	4523	12.89	12.89	0.44	12.90	9.48	12.60	8.87	12.60	-0.30	-2.3%
238	120	4643	1.18	1.01	0.47	1.18	0.39	1.37	0.86	1.37	0.19	16.1%
239	360	4738	0.23	0.23	0.04	0.24	0.01	0.21	0.21	0.21	-0.03	-12.5%
240	10	4387	1.35	1.33	0.14	1.36	1.37	0.74	0.37	1.37	0.01	0.7%
241	15	4424	9.20	9.13	0.61	9.27	8.18	8.24	5.39	8.24	-1.03	-11.1%
242	15	4424	5.35	5.32	0.29	5.40	4.81	4.22	2.64	4.81	-0.59	-10.9%
243	30	4518	9.38	9.34	0.54	9.53	8.18	8.74	6.00	8.74	-0.79	-8.3%
244	120	4645	0.83	0.74	0.33	0.93	0.74	0.93	0.54	0.93	0.00	0.0%
245	360	4740	73.98	69.49	16.78	81.27	54.53	74.82	71.88	74.82	-6.45	-7.9%
246	10	4387	1.18	1.16	0.12	1.18	1.19	0.65	0.34	1.19	0.01	0.8%
247	10	4386	2.18	2.14	0.22	2.19	2.19	1.15	0.56	2.19	0.00	0.0%
248	10	4386	1.17	1.15	0.12	1.18	1.18	0.70	0.37	1.18	0.00	0.0%
249	10	4387	4.26	4.15	0.43	4.35	4.25	2.24	1.17	4.25	-0.10	-2.3%
250	45	4547	13.30	13.51	0.86	13.50	9.48	13.40	9.88	13.40	-0.10	-0.7%
251	360	4740	74.13	69.61	16.80	81.62	54.53	74.91	71.97	74.91	-6.71	-8.2%
252	10	4386	2.49	2.45	0.25	2.50	2.50	1.32	0.66	2.50	0.00	0.0%
253	15	4424	7.19	7.11	0.86	7.26	6.96	5.26	3.39	6.96	-0.30	-4.1%
254	10	4385	1.11	1.12	0.07	1.11	1.15	1.07	0.61	1.15	0.04	3.6%
255	360	4740	82.21	75.63	18.14	93.33	61.84	85.22	76.97	85.22	-8.11	-8.7%
256	10	4386	5.65	5.57	0.48	5.80	5.80	3.25	1.67	5.80	0.00	0.0%
257	25	4489	7.38	7.16	1.05	7.72	6.96	5.63	4.25	6.96	-0.76	-9.8%
258	15	4424	9.65	9.53	0.91	9.67	8.84	7.85	6.20	8.84	-0.83	-8.6%
259	360	4740	82.54	75.80	18.08	93.99	61.84	85.32	77.11	85.32	-8.67	-9.2%
260	10	4391	2.30	2.24	0.19	2.36	2.15	1.53	0.90	2.15	-0.21	-8.9%
261	10	4386	2.46	2.42	0.10	2.47	2.47	1.96	1.23	2.47	0.00	0.0%
262	10	4385	4.57	4.57	0.01	4.58	4.59	3.77	2.34	4.59	0.01	0.2%
263	360	4740	86.16	78.48	18.29	99.40	61.84	88.73	79.15	88.73	-10.67	-10.7%
264	10	4386	0.57	0.56	0.06	0.57	0.57	0.59	0.36	0.59	0.02	3.5%
265	120	4645	1.01	0.88	0.39	1.12	0.53	1.12	0.74	1.12	0.00	0.0%
266	120	4645	0.63	0.56	0.26	0.70	0.38	0.70	0.44	0.70	0.00	0.0%
267	120	4641	1.59	1.50	0.53	1.62	1.60	1.70	1.19	1.70	0.08	4.9%
268	120	4645	0.49	0.40	0.21	0.58	0.04	0.58	0.35	0.58	0.00	0.0%
269	120	4643	0.95	0.80	0.37	0.97	0.31	1.05	0.69	1.05	0.08	8.2%
270	120	4645	0.57	0.48	0.24	0.66	0.25	0.66	0.41	0.66	0.00	0.0%
271	120	4643	2.33	2.11	0.79	2.38	1.92	2.60	1.74	2.60	0.22	9.2%
272	120	4645	1.10	0.98	0.32	1.19	0.21	1.19	0.96	1.19	0.00	0.0%
273	120	4643	1.44	1.21	0.53	1.51	0.63	1.63	1.08	1.63	0.12	7.9%
274	120	4645	0.57	0.47	0.24	0.67	0.03	0.67	0.40	0.67	0.00	0.0%
275	120	4643	2.19	1.85	0.83	2.26	1.00	2.48	1.62	2.48	0.22	9.7%
276	60	4582	0.23	0.23	0.04	0.23	0.20	0.25	0.13	0.25	0.02	8.7%
277	120	4643	2.77	2.32	1.08	2.84	1.02	3.15	2.04	3.15	0.31	10.9%
278	120	4643	1.74	1.59	0.59	1.76	1.46	1.91	1.32	1.91	0.15	8.5%
279	120	4643	3.01	2.50	1.16	3.12	1.29	3.43	2.24	3.43	0.31	9.9%
280	180	4676	0.76	0.74	0.24	0.77	0.25	0.80	0.66	0.80	0.03	3.9%
281	120	4643	2.75	2.34	0.90	2.96	0.85	3.08	2.24	3.08	0.12	4.1%
282	120	4645	0.92	0.79	0.36	1.01	0.48	1.01	0.66	1.01	0.00	0.0%
283	120	4643	2.40	2.11	0.73	2.60	0.94	2.78	1.91	2.78	0.18	6.9%
284	120	4643	1.32	1.22	0.45	1.32	1.06	1.39	0.99	1.39	0.07	5.3%
285	120	4645	0.49	0.40	0.21	0.57	0.16	0.57	0.35	0.57	0.00	0.0%
286	120	4643	2.88	2.58	1.00	2.93	2.04	3.25	2.17	3.25	0.32	10.9%
287	120	4643	2.99	2.67	0.75	3.26	1.04	3.51	2.48	3.51	0.25	7.7%
288	120	4643	7.66	6.75	2.21	8.22	2.80	8.82	6.40	8.82	0.60	7.3%
289	180	4676	0.92	0.91	0.28	0.94	0.16	1.00	0.80	1.00	0.06	6.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
290	180	4676	0.61	0.60	0.19	0.62	0.19	0.65	0.54	0.65	0.03	4.8%
291	120	4643	0.90	0.79	0.31	0.97	0.20	0.98	0.72	0.98	0.01	1.0%
292	180	4677	8.62	8.23	2.52	8.87	2.80	9.90	7.32	9.90	1.03	11.6%
293	180	4677	3.36	3.23	0.97	3.47	1.22	3.89	2.82	3.89	0.42	12.1%
294	120	4643	5.44	4.71	1.87	5.79	2.81	6.25	4.23	6.25	0.46	7.9%
295	360	4739	9.32	8.91	1.67	9.44	3.80	8.97	9.44	9.44	0.00	0.0%
296	10	4389	21.73	21.77	0.18	21.75	21.85	20.93	20.98	21.85	0.10	0.5%
297	10	4389	22.02	22.07	0.23	22.04	22.17	20.94	20.99	22.17	0.13	0.6%
298	10	4386	7.40	7.32	0.58	7.60	7.60	4.89	2.76	7.60	0.00	0.0%
299	180	4677	0.72	0.70	0.10	0.73	0.62	0.78	0.70	0.78	0.05	6.8%
300	120	4645	1.03	0.93	0.41	1.18	0.65	1.18	0.73	1.18	0.00	0.0%
301	120	4645	1.86	1.64	0.73	2.16	1.19	2.16	1.33	2.16	0.00	0.0%
302	15	4418	4.89	4.96	0.15	4.94	4.71	5.46	3.58	5.46	0.52	10.5%
303	15	4417	1.89	1.90	0.03	1.90	1.82	1.90	1.16	1.90	0.00	0.0%
304	10	4380	1.59	1.59	0.00	1.59	1.59	1.39	0.78	1.59	0.00	0.0%
305	20	4450	3.99	3.89	0.29	4.19	3.70	3.97	2.60	3.97	-0.22	-5.3%
306	120	4643	2.58	2.37	0.94	2.61	0.32	3.08	1.83	3.08	0.47	18.0%
307	1440	4882	0.03	0.03	0.00	0.03	0.00	0.01	0.02	0.02	-0.01	-33.3%
308	20	4445	9.33	9.12	0.74	10.03	8.18	8.62	5.80	8.62	-1.41	-14.1%
309	15	4424	5.24	5.18	0.29	5.27	4.81	4.12	2.56	4.81	-0.46	-8.7%
310	360	4740	82.50	75.78	18.09	93.91	61.84	85.31	77.10	85.31	-8.60	-9.2%
311	30	4524	9.26	9.17	0.98	9.32	8.74	7.44	5.76	8.74	-0.58	-6.2%
312	10	4391	2.17	2.12	0.18	2.23	2.04	1.46	0.85	2.04	-0.19	-8.5%
313	10	4382	1.90	1.90	0.11	1.91	1.96	1.32	0.77	1.96	0.05	2.6%
314	15	4423	7.80	7.60	0.67	8.23	7.34	6.50	4.22	7.34	-0.89	-10.8%
315	10	4387	3.46	3.36	0.34	3.56	3.44	2.12	1.29	3.44	-0.12	-3.4%
316	10	4385	2.45	2.44	0.10	2.46	2.51	1.79	1.04	2.51	0.05	2.0%
317	120	4641	8.56	8.37	1.88	8.67	5.02	9.63	6.83	9.63	0.96	11.1%
318	20	4445	4.71	4.71	0.23	4.76	4.32	4.57	3.00	4.57	-0.19	-4.0%
319	360	4734	2.25	2.26	0.03	2.26	2.10	2.22	2.24	2.24	-0.02	-0.9%
320	270	2749	2.20	2.21	0.03	2.21	2.03	2.13	2.20	2.20	-0.01	-0.5%
321	270	2749	2.23	2.24	0.04	2.24	2.04	2.15	2.22	2.22	-0.02	-0.9%
322	270	2749	2.31	2.32	0.05	2.34	2.11	2.24	2.31	2.31	-0.03	-1.3%
323	270	4717	2.31	2.30	0.08	2.32	2.03	2.23	2.31	2.31	-0.01	-0.4%
324	270	4707	2.57	2.52	0.17	2.63	2.10	2.59	2.62	2.62	-0.01	-0.4%
325	120	4643	6.00	5.38	2.16	6.30	2.39	6.78	4.69	6.78	0.48	7.6%
326	15	4419	5.29	5.29	0.13	5.31	4.94	5.86	3.92	5.86	0.55	10.4%
327	10	4387	1.54	1.49	0.15	1.59	1.53	1.00	0.57	1.53	-0.06	-3.8%
328	10	4387	1.20	1.19	0.08	1.20	1.20	0.99	0.57	1.20	0.00	0.0%
329	120	4645	0.24	0.20	0.11	0.29	0.09	0.29	0.16	0.29	0.00	0.0%
330	120	4643	3.37	3.15	1.02	3.63	0.31	4.00	2.51	4.00	0.37	10.2%
331	10	4386	4.60	4.56	0.11	4.64	4.64	3.00	1.58	4.64	0.00	0.0%
332	10	4384	2.50	2.45	0.15	2.52	2.39	1.86	1.05	2.39	-0.13	-5.2%
333	10	4387	0.93	0.91	0.09	0.93	0.94	0.58	0.32	0.94	0.01	1.1%
334	10	4391	4.65	4.63	0.07	4.67	4.61	5.06	3.24	5.06	0.39	8.4%
335	10	4387	0.79	0.77	0.08	0.81	0.79	0.59	0.34	0.79	-0.02	-2.5%
336	10	4384	1.68	1.63	0.15	1.73	1.61	1.22	0.71	1.61	-0.12	-6.9%
337	10	4380	1.08	1.05	0.11	1.11	1.04	0.76	0.42	1.04	-0.07	-6.3%
338	10	4387	1.26	1.22	0.12	1.30	1.24	0.81	0.48	1.24	-0.06	-4.6%
339	10	4386	2.34	2.30	0.24	2.35	2.35	1.39	0.79	2.35	0.00	0.0%
340	10	4380	1.69	1.63	0.17	1.76	1.65	1.29	0.84	1.65	-0.11	-6.3%
341	120	4645	0.60	0.53	0.22	0.63	0.51	0.63	0.42	0.63	0.00	0.0%
342	360	4739	9.72	9.33	1.71	9.83	4.18	9.11	9.83	9.83	0.00	0.0%
343	10	4386	7.48	7.43	0.56	7.70	7.70	5.11	2.87	7.70	0.00	0.0%
344	10	4390	2.19	2.18	0.04	2.30	2.18	1.81	1.15	2.18	-0.12	-5.2%
345	10	4380	0.55	0.53	0.05	0.58	0.55	0.44	0.27	0.55	-0.03	-5.2%
346	10	4386	0.60	0.59	0.06	0.61	0.61	0.39	0.22	0.61	0.00	0.0%
347	10	4380	0.76	0.73	0.07	0.79	0.74	0.57	0.32	0.74	-0.05	-6.3%
348	15	4425	4.19	4.17	0.09	4.22	3.96	4.10	2.58	4.10	-0.12	-2.8%
349	120	4645	3.65	3.41	1.29	4.20	3.36	4.20	2.50	4.20	0.00	0.0%
350	10	4387	1.60	1.55	0.16	1.64	1.58	0.99	0.58	1.58	-0.06	-3.7%
351	120	4643	17.38	16.92	4.25	18.24	11.83	20.01	13.63	20.01	1.77	9.7%
352	10	4382	2.25	2.25	0.07	2.25	2.28	1.69	0.90	2.28	0.03	1.3%
353	10	4380	2.95	2.85	0.30	3.03	2.84	1.77	0.90	2.84	-0.19	-6.3%
354	120	4645	0.48	0.42	0.21	0.57	0.25	0.57	0.31	0.57	0.00	0.0%
355	45	4547	12.97	13.14	0.88	13.09	9.48	12.96	9.25	12.96	-0.13	-1.0%
356	45	4547	13.15	13.34	0.86	13.32	9.48	13.22	9.60	13.22	-0.10	-0.8%
357	10	4384	0.70	0.68	0.07	0.73	0.66	0.58	0.35	0.66	-0.07	-9.6%
358	15	4424	7.04	6.91	0.85	7.10	6.96	4.93	3.03	6.96	-0.14	-2.0%
359	10	4386	6.42	6.34	0.53	6.59	6.59	4.13	2.51	6.59	0.00	0.0%
360	15	4424	7.19	7.11	0.86	7.26	6.96	5.16	3.19	6.96	-0.30	-4.1%
361	360	4742	3.18	3.00	0.75	3.28	0.42	3.38	2.72	3.38	0.10	3.0%
362	10	4380	1.02	0.98	0.10	1.07	1.01	0.80	0.46	1.01	-0.06	-5.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
363	10	4387	0.69	0.67	0.07	0.72	0.68	0.52	0.31	0.68	-0.04	-5.6%
364	10	4387	0.79	0.78	0.08	0.79	0.80	0.51	0.29	0.80	0.01	1.3%
365	10	4380	0.67	0.65	0.07	0.69	0.65	0.63	0.38	0.65	-0.04	-5.8%
366	10	4387	0.89	0.86	0.09	0.92	0.88	0.60	0.33	0.88	-0.04	-4.3%
367	120	4645	3.16	3.03	0.41	3.21	2.67	3.21	2.79	3.21	0.00	0.0%
368	10	4380	0.73	0.70	0.07	0.76	0.71	0.52	0.28	0.71	-0.05	-6.6%
369	10	4391	1.95	1.91	0.11	1.96	1.87	1.58	0.98	1.87	-0.09	-4.6%
370	10	4380	1.14	1.12	0.11	1.16	1.09	0.88	0.54	1.09	-0.07	-6.0%
371	10	4387	0.99	0.97	0.10	0.99	1.00	0.59	0.35	1.00	0.01	1.0%
372	10	4387	0.79	0.77	0.08	0.79	0.80	0.55	0.31	0.80	0.01	1.3%
373	10	4384	1.72	1.68	0.11	1.74	1.68	1.27	0.71	1.68	-0.06	-3.4%
374	10	4380	0.65	0.62	0.06	0.68	0.64	0.43	0.21	0.64	-0.04	-5.9%
375	120	4643	1.05	0.89	0.40	1.08	0.41	1.15	0.78	1.15	0.07	6.5%
376	120	4645	0.83	0.73	0.34	0.93	0.54	0.93	0.57	0.93	0.00	0.0%
377	15	4423	7.77	7.47	0.88	8.27	7.83	6.31	3.70	7.83	-0.44	-5.3%
378	360	4739	50.12	49.11	10.65	52.70	34.77	39.22	52.70	52.70	0.00	0.0%
379	10	4386	0.45	0.44	0.05	0.46	0.46	0.29	0.15	0.46	0.00	0.0%
380	15	4423	3.27	3.23	0.12	3.28	3.10	2.41	1.55	3.10	-0.18	-5.5%
381	120	4645	0.39	0.35	0.16	0.44	0.28	0.44	0.27	0.44	0.00	0.0%
382	10	4380	0.76	0.74	0.07	0.77	0.72	0.67	0.41	0.72	-0.05	-6.5%
383	120	4641	0.12	0.11	0.05	0.14	0.08	0.14	0.08	0.14	0.00	0.0%
384	120	4641	8.10	7.90	1.87	8.23	5.02	9.03	6.36	9.03	0.80	9.7%
385	120	4643	17.13	16.72	4.24	17.99	11.83	19.68	13.37	19.68	1.69	9.4%
386	10	4387	1.02	1.00	0.10	1.02	1.03	0.99	0.70	1.03	0.01	1.0%
387	120	4641	0.54	0.49	0.19	0.54	0.41	0.56	0.39	0.56	0.02	3.7%
388	120	4643	2.17	1.84	0.83	2.25	0.99	2.47	1.61	2.47	0.22	9.8%
389	360	4739	22.83	22.09	4.61	23.61	3.13	20.38	23.61	23.61	0.00	0.0%
390	10	4386	0.20	0.19	0.02	0.20	0.20	0.14	0.07	0.20	0.00	0.0%
391	10	4384	0.98	0.96	0.07	0.98	0.91	0.91	0.52	0.91	-0.07	-7.1%
392	120	4645	0.28	0.24	0.12	0.30	0.25	0.30	0.18	0.30	0.00	0.0%
393	120	4645	0.14	0.12	0.06	0.15	0.11	0.15	0.09	0.15	0.00	0.0%
394	10	4387	0.74	0.72	0.08	0.74	0.75	0.53	0.35	0.75	0.01	1.4%
395	10	4387	1.16	1.13	0.11	1.19	1.15	0.81	0.46	1.15	-0.04	-3.4%
396	10	4386	0.69	0.68	0.07	0.70	0.70	0.47	0.27	0.70	0.00	0.0%
397	15	4424	9.20	9.13	0.61	9.27	8.18	8.18	5.35	8.18	-1.09	-11.8%
398	10	4386	0.23	0.23	0.02	0.23	0.23	0.16	0.09	0.23	0.00	0.0%
399	10	4386	0.09	0.09	0.01	0.10	0.10	0.07	0.03	0.10	0.00	0.0%
400	540	4771	0.18	0.18	0.03	0.19	0.01	0.09	0.15	0.15	-0.04	-21.1%
401	120	4645	0.99	0.83	0.41	1.16	0.34	1.16	0.72	1.16	0.00	0.0%
402	10	4387	1.12	1.10	0.11	1.13	1.14	0.66	0.34	1.14	0.01	0.9%
403	10	4386	0.71	0.70	0.07	0.72	0.72	0.48	0.26	0.72	0.00	0.0%
404	15	4418	4.40	4.43	0.12	4.47	4.32	3.67	2.13	4.32	-0.15	-3.4%
405	10	4387	2.10	2.02	0.21	2.18	2.06	1.38	0.78	2.06	-0.12	-5.5%
406	10	4380	1.45	1.39	0.14	1.51	1.42	1.01	0.56	1.42	-0.09	-6.0%
407	360	4739	22.80	22.05	4.61	23.58	2.99	20.37	23.58	23.58	0.00	0.0%
408	360	4742	4.12	3.84	1.12	4.71	2.53	3.55	4.02	4.02	-0.69	-14.6%
409	360	4742	4.11	3.85	1.15	4.80	0.74	3.25	4.08	4.08	-0.72	-15.0%
410	360	4740	6.70	6.33	2.02	7.39	4.02	5.84	6.68	6.68	-0.71	-9.6%
411	120	4641	0.64	0.59	0.22	0.74	0.64	0.64	0.45	0.64	-0.10	-13.5%
412	120	4643	0.79	0.67	0.31	0.81	0.31	0.88	0.58	0.88	0.07	8.6%
413	10	4387	0.90	0.89	0.09	0.90	0.91	0.79	0.52	0.91	0.01	1.1%
414	10	4387	1.73	1.71	0.18	1.75	1.75	1.19	0.71	1.75	0.00	0.0%
415	10	4386	1.92	1.88	0.20	1.93	1.93	1.19	0.74	1.93	0.00	0.0%
416	10	4386	0.51	0.50	0.05	0.52	0.52	0.34	0.19	0.52	0.00	0.0%
417	10	4380	0.53	0.51	0.05	0.55	0.52	0.41	0.22	0.52	-0.03	-5.5%
418	60	4578	0.72	0.69	0.14	0.73	0.72	0.84	0.45	0.84	0.11	15.1%
419	120	4643	2.48	2.20	0.92	2.50	2.09	2.89	1.84	2.89	0.39	15.6%
420	270	4707	9.62	9.41	1.73	10.40	7.43	9.99	8.74	9.99	-0.41	-3.9%
421	10	4386	0.50	0.49	0.05	0.51	0.51	0.31	0.17	0.51	0.00	0.0%
422	10	4387	5.35	5.23	0.54	5.45	5.35	3.16	1.91	5.35	-0.10	-1.8%
423	10	4386	2.54	2.49	0.26	2.55	2.55	1.48	0.91	2.55	0.00	0.0%
424	10	4386	2.00	1.97	0.20	2.02	2.02	1.19	0.74	2.02	0.00	0.0%
425	10	4386	0.54	0.53	0.05	0.54	0.54	0.30	0.14	0.54	0.00	0.0%
426	120	4641	0.35	0.30	0.15	0.36	0.25	0.39	0.24	0.39	0.03	8.3%
427	10	4387	0.72	0.71	0.07	0.72	0.73	0.56	0.35	0.73	0.01	1.4%
428	10	4387	1.06	1.04	0.11	1.06	1.07	0.66	0.35	1.07	0.01	0.9%
429	120	4643	9.68	8.28	3.04	10.58	3.44	11.30	7.79	11.30	0.72	6.8%
430	10	4386	0.25	0.25	0.03	0.26	0.26	0.18	0.09	0.26	0.00	0.0%
431	10	4387	0.77	0.75	0.08	0.77	0.78	0.50	0.26	0.78	0.01	1.3%
432	10	4386	0.55	0.54	0.06	0.55	0.55	0.35	0.18	0.55	0.00	0.0%
433	10	4387	1.07	1.04	0.09	1.15	1.02	0.71	0.38	1.02	-0.13	-11.3%
434	10	4387	0.67	0.65	0.07	0.69	0.66	0.50	0.28	0.66	-0.03	-4.3%
435	10	4386	0.38	0.37	0.04	0.38	0.38	0.26	0.14	0.38	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
436	360	4742	3.07	2.93	0.74	3.16	0.50	3.30	2.61	3.30	0.14	4.4%
437	360	4741	2.74	2.62	0.69	2.80	0.48	3.01	2.31	3.01	0.21	7.5%
438	360	4741	2.59	2.48	0.62	2.66	0.74	2.91	2.21	2.91	0.25	9.4%
439	360	4741	2.56	2.52	0.59	2.61	0.90	2.88	2.18	2.88	0.27	10.3%
440	120	4643	2.21	2.01	0.60	2.33	0.95	2.52	1.86	2.52	0.19	8.2%
441	120	4643	2.18	2.00	0.60	2.29	1.30	2.49	1.82	2.49	0.20	8.7%
442	120	4643	2.10	1.94	0.58	2.17	1.84	2.37	1.74	2.37	0.20	9.2%
443	360	4742	3.01	2.75	0.82	3.39	0.32	3.19	2.81	3.19	-0.20	-5.9%
444	360	4742	3.04	2.77	0.82	3.43	0.32	3.19	2.84	3.19	-0.24	-7.0%
445	120	4645	0.23	0.20	0.10	0.26	0.13	0.26	0.15	0.26	0.00	0.0%
446	120	4641	0.15	0.13	0.06	0.15	0.09	0.17	0.09	0.17	0.02	13.3%
447	10	4380	0.81	0.79	0.08	0.82	0.77	0.75	0.46	0.77	-0.05	-6.1%
448	120	4645	0.40	0.35	0.16	0.44	0.28	0.44	0.27	0.44	0.00	0.0%
449	120	4641	0.36	0.31	0.15	0.38	0.26	0.41	0.23	0.41	0.03	7.9%
450	60	4582	0.04	0.04	0.01	0.04	0.04	0.03	0.02	0.04	0.00	0.0%
451	60	4575	0.15	0.15	0.03	0.15	0.12	0.16	0.08	0.16	0.01	6.7%
452	10	4386	0.11	0.10	0.01	0.11	0.11	0.09	0.05	0.11	0.00	0.0%
453	120	4645	1.05	0.99	0.33	1.06	0.85	1.06	0.82	1.06	0.00	0.0%
454	10	4386	0.33	0.32	0.03	0.33	0.33	0.25	0.14	0.33	0.00	0.0%
455	120	4643	1.09	1.02	0.34	1.10	0.92	1.10	0.85	1.10	0.00	0.0%
456	120	4643	0.04	0.04	0.02	0.04	0.00	0.05	0.03	0.05	0.01	25.0%
457	10	4386	0.30	0.30	0.03	0.31	0.31	0.26	0.16	0.31	0.00	0.0%
458	10	4386	0.14	0.14	0.01	0.14	0.14	0.10	0.05	0.14	0.00	0.0%
459	10	4387	0.42	0.40	0.04	0.43	0.41	0.31	0.16	0.41	-0.02	-4.7%
460	10	4380	0.70	0.67	0.07	0.73	0.69	0.52	0.28	0.69	-0.04	-5.5%
461	10	4380	0.92	0.89	0.08	0.93	0.89	0.70	0.39	0.89	-0.04	-4.3%
462	10	4386	0.40	0.39	0.04	0.40	0.40	0.30	0.19	0.40	0.00	0.0%
463	10	4386	0.17	0.16	0.02	0.17	0.17	0.13	0.06	0.17	0.00	0.0%
464	10	4387	0.22	0.21	0.02	0.22	0.22	0.18	0.10	0.22	0.00	0.0%
465	60	4575	0.05	0.05	0.01	0.05	0.02	0.05	0.03	0.05	0.00	0.0%
466	120	4645	0.16	0.14	0.07	0.19	0.05	0.19	0.11	0.19	0.00	0.0%
467	120	4645	0.66	0.56	0.29	0.79	0.24	0.79	0.45	0.79	0.00	0.0%
468	10	4387	0.70	0.67	0.07	0.72	0.68	0.51	0.27	0.68	-0.04	-5.6%
469	10	4386	0.46	0.45	0.05	0.46	0.46	0.31	0.17	0.46	0.00	0.0%
470	10	4386	0.25	0.24	0.03	0.25	0.25	0.19	0.10	0.25	0.00	0.0%
471	10	4386	0.20	0.20	0.02	0.20	0.20	0.15	0.08	0.20	0.00	0.0%
472	10	4386	0.15	0.15	0.02	0.15	0.15	0.11	0.06	0.15	0.00	0.0%
473	10	4387	0.26	0.25	0.03	0.26	0.26	0.19	0.10	0.26	0.00	0.0%
474	10	4380	0.91	0.87	0.09	0.94	0.88	0.66	0.38	0.88	-0.06	-6.4%
475	10	4380	0.78	0.75	0.08	0.81	0.76	0.56	0.32	0.76	-0.05	-6.2%
476	10	4386	0.08	0.08	0.01	0.08	0.08	0.06	0.03	0.08	0.00	0.0%
477	10	4386	0.13	0.12	0.01	0.13	0.13	0.09	0.04	0.13	0.00	0.0%
478	10	4386	0.25	0.25	0.03	0.25	0.25	0.18	0.09	0.25	0.00	0.0%
479	10	4387	0.41	0.40	0.04	0.42	0.41	0.28	0.16	0.41	-0.01	-2.4%
480	10	4387	0.91	0.89	0.07	0.97	0.88	0.65	0.38	0.88	-0.09	-9.3%
481	10	4387	1.07	1.05	0.05	1.12	1.06	0.80	0.46	1.06	-0.06	-5.4%
482	120	4645	0.02	0.01	0.01	0.02	0.00	0.02	0.01	0.02	0.00	0.0%
483	120	4641	0.06	0.05	0.02	0.06	0.04	0.06	0.04	0.06	0.00	0.0%
484	120	4645	0.12	0.10	0.05	0.13	0.07	0.13	0.08	0.13	0.00	0.0%
485	10	4386	0.46	0.45	0.05	0.46	0.46	0.31	0.17	0.46	0.00	0.0%
486	10	4380	0.42	0.41	0.04	0.44	0.41	0.33	0.18	0.41	-0.03	-6.8%
487	10	4386	0.07	0.07	0.01	0.07	0.07	0.06	0.03	0.07	0.00	0.0%
488	10	4386	0.08	0.08	0.01	0.08	0.08	0.08	0.04	0.08	0.00	0.0%
489	10	4387	0.87	0.84	0.09	0.91	0.85	0.64	0.40	0.85	-0.06	-6.6%
490	10	4386	0.03	0.03	0.00	0.04	0.04	0.03	0.02	0.04	0.00	0.0%
491	120	4641	0.09	0.08	0.04	0.10	0.06	0.11	0.06	0.11	0.01	10.0%
492	120	4645	0.20	0.18	0.08	0.24	0.11	0.24	0.13	0.24	0.00	0.0%
493	10	4386	0.04	0.04	0.00	0.04	0.04	0.04	0.02	0.04	0.00	0.0%
494	120	4641	0.06	0.05	0.03	0.07	0.04	0.07	0.04	0.07	0.00	0.0%
495	10	4386	0.12	0.12	0.01	0.12	0.12	0.10	0.05	0.12	0.00	0.0%
496	10	4386	0.15	0.15	0.02	0.15	0.15	0.12	0.06	0.15	0.00	0.0%
497	10	4386	0.28	0.27	0.03	0.28	0.28	0.26	0.16	0.28	0.00	0.0%
498	120	4641	0.13	0.11	0.05	0.14	0.10	0.14	0.08	0.14	0.00	0.0%
499	60	4582	0.11	0.12	0.02	0.11	0.07	0.13	0.07	0.13	0.02	18.2%
500	10	4386	0.19	0.19	0.02	0.20	0.20	0.14	0.07	0.20	0.00	0.0%
501	10	4386	0.21	0.21	0.02	0.21	0.21	0.16	0.09	0.21	0.00	0.0%
502	15	4423	7.77	7.47	0.88	8.27	7.83	6.44	3.79	7.83	-0.44	-5.3%
503	10	4386	0.24	0.24	0.02	0.24	0.24	0.20	0.12	0.24	0.00	0.0%
504	10	4386	0.40	0.39	0.04	0.40	0.40	0.28	0.16	0.40	0.00	0.0%
505	120	4641	0.10	0.09	0.05	0.11	0.07	0.12	0.07	0.12	0.01	9.1%
506	10	4386	0.11	0.11	0.01	0.11	0.11	0.09	0.05	0.11	0.00	0.0%
507	120	4645	0.13	0.11	0.06	0.16	0.01	0.16	0.10	0.16	0.00	0.0%
508	120	4645	0.07	0.06	0.03	0.08	0.01	0.08	0.04	0.08	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
509	120	4645	0.21	0.18	0.09	0.24	0.13	0.24	0.14	0.24	0.00	0.0%
510	10	4384	1.15	1.12	0.09	1.15	1.09	0.86	0.50	1.09	-0.06	-5.2%
511	10	4391	1.47	1.45	0.07	1.47	1.41	1.10	0.64	1.41	-0.06	-4.1%
512	10	4391	1.56	1.54	0.07	1.57	1.49	1.17	0.68	1.49	-0.08	-5.1%
513	10	4387	0.76	0.74	0.07	0.79	0.76	0.54	0.32	0.76	-0.03	-3.8%
514	10	4386	0.30	0.30	0.03	0.30	0.30	0.20	0.10	0.30	0.00	0.0%
515	10	4386	0.34	0.34	0.03	0.35	0.35	0.24	0.14	0.35	0.00	0.0%
516	10	4386	0.13	0.12	0.01	0.13	0.13	0.10	0.05	0.13	0.00	0.0%
517	10	4386	0.15	0.15	0.02	0.16	0.16	0.12	0.06	0.16	0.00	0.0%
518	120	4641	0.27	0.24	0.12	0.29	0.21	0.30	0.18	0.30	0.01	3.4%
519	10	4386	0.38	0.38	0.04	0.39	0.39	0.30	0.18	0.39	0.00	0.0%
520	10	4391	0.45	0.43	0.04	0.46	0.41	0.50	0.28	0.50	0.04	8.7%
521	10	4386	0.12	0.12	0.01	0.12	0.12	0.10	0.06	0.12	0.00	0.0%
522	10	4386	0.14	0.14	0.01	0.15	0.15	0.13	0.07	0.15	0.00	0.0%
523	60	4582	0.13	0.14	0.03	0.14	0.09	0.15	0.08	0.15	0.01	7.1%
524	120	4641	0.20	0.18	0.09	0.24	0.13	0.25	0.13	0.25	0.01	4.2%
525	10	4387	1.10	1.08	0.11	1.11	1.12	0.59	0.28	1.12	0.01	0.9%
526	10	4386	0.23	0.23	0.02	0.23	0.23	0.16	0.08	0.23	0.00	0.0%
527	10	4384	0.95	0.94	0.10	0.99	0.89	0.81	0.47	0.89	-0.10	-10.1%
528	10	4387	0.23	0.22	0.02	0.23	0.22	0.14	0.06	0.22	-0.01	-4.3%
529	10	4386	0.07	0.07	0.01	0.07	0.07	0.05	0.02	0.07	0.00	0.0%
530	10	4387	0.52	0.51	0.05	0.53	0.52	0.36	0.20	0.52	-0.01	-1.9%
531	10	4387	0.19	0.18	0.02	0.19	0.18	0.14	0.07	0.18	-0.01	-5.3%
532	10	4386	0.03	0.03	0.00	0.04	0.04	0.03	0.01	0.04	0.00	0.0%
533	10	4386	0.31	0.31	0.03	0.32	0.32	0.26	0.13	0.32	0.00	0.0%
534	10	4386	0.66	0.65	0.07	0.66	0.66	0.38	0.19	0.66	0.00	0.0%
535	120	4645	0.23	0.20	0.10	0.26	0.13	0.26	0.16	0.26	0.00	0.0%
536	120	4645	0.24	0.21	0.11	0.28	0.10	0.28	0.16	0.28	0.00	0.0%
537	120	4645	0.21	0.18	0.10	0.25	0.10	0.25	0.14	0.25	0.00	0.0%
538	60	4582	0.03	0.03	0.01	0.03	0.00	0.03	0.02	0.03	0.00	0.0%
539	60	4575	0.07	0.07	0.02	0.07	0.03	0.08	0.04	0.08	0.01	14.3%
540	60	4582	0.11	0.12	0.03	0.12	0.03	0.13	0.06	0.13	0.01	8.3%
541	120	4641	0.26	0.22	0.12	0.26	0.04	0.32	0.16	0.32	0.06	23.1%
542	60	4575	0.12	0.13	0.03	0.13	0.00	0.15	0.08	0.15	0.02	15.4%
543	120	4645	0.55	0.46	0.23	0.65	0.09	0.65	0.39	0.65	0.00	0.0%
544	120	4645	0.13	0.11	0.06	0.16	0.05	0.16	0.08	0.16	0.00	0.0%
545	120	4645	0.28	0.24	0.13	0.34	0.00	0.34	0.18	0.34	0.00	0.0%
546	120	4645	0.31	0.26	0.14	0.38	0.00	0.38	0.21	0.38	0.00	0.0%
547	120	4645	0.56	0.49	0.24	0.65	0.20	0.65	0.38	0.65	0.00	0.0%
548	120	4645	0.60	0.52	0.25	0.69	0.20	0.69	0.42	0.69	0.00	0.0%
549	120	4645	0.39	0.33	0.18	0.48	0.04	0.48	0.26	0.48	0.00	0.0%
550	120	4645	0.65	0.56	0.27	0.78	0.09	0.78	0.44	0.78	0.00	0.0%
551	120	4645	1.51	1.37	0.58	1.80	0.29	1.80	1.06	1.80	0.00	0.0%
552	120	4645	1.54	1.41	0.58	1.84	0.29	1.84	1.09	1.84	0.00	0.0%
553	120	4645	0.53	0.47	0.22	0.65	0.03	0.65	0.37	0.65	0.00	0.0%
554	60	4582	0.06	0.07	0.01	0.06	0.03	0.08	0.04	0.08	0.02	33.3%
555	120	4645	0.21	0.18	0.10	0.25	0.07	0.25	0.14	0.25	0.00	0.0%
556	120	4643	2.97	2.75	1.00	3.08	0.32	3.52	2.15	3.52	0.44	14.3%
557	120	4643	2.72	2.51	0.96	2.78	0.32	3.23	1.95	3.23	0.45	16.2%
558	120	4645	0.33	0.27	0.15	0.39	0.00	0.39	0.22	0.39	0.00	0.0%
559	120	4645	0.23	0.19	0.10	0.27	0.04	0.27	0.15	0.27	0.00	0.0%
560	120	4645	0.15	0.12	0.07	0.18	0.04	0.18	0.10	0.18	0.00	0.0%
561	10	4386	0.10	0.10	0.01	0.10	0.10	0.08	0.03	0.10	0.00	0.0%
562	10	4387	0.16	0.16	0.02	0.17	0.16	0.15	0.08	0.16	-0.01	-5.9%
563	10	4386	0.38	0.38	0.04	0.39	0.39	0.22	0.10	0.39	0.00	0.0%
564	10	4386	0.17	0.17	0.02	0.17	0.17	0.11	0.04	0.17	0.00	0.0%
565	120	4645	0.24	0.21	0.10	0.28	0.17	0.28	0.14	0.28	0.00	0.0%
566	120	4641	0.39	0.33	0.17	0.41	0.21	0.46	0.24	0.46	0.05	12.2%
567	120	4641	0.44	0.38	0.19	0.46	0.28	0.53	0.29	0.53	0.07	15.2%
568	120	4641	0.54	0.48	0.23	0.54	0.28	0.65	0.36	0.65	0.11	20.4%
569	120	4645	0.08	0.07	0.04	0.10	0.03	0.10	0.06	0.10	0.00	0.0%
570	120	4645	0.66	0.60	0.27	0.79	0.28	0.79	0.45	0.79	0.00	0.0%
571	60	4582	0.08	0.09	0.02	0.09	0.05	0.09	0.05	0.09	0.00	0.0%
572	10	4386	0.42	0.42	0.01	0.42	0.42	0.28	0.14	0.42	0.00	0.0%
573	10	4387	0.67	0.65	0.07	0.69	0.66	0.41	0.20	0.66	-0.03	-4.3%
574	10	4387	0.29	0.29	0.03	0.30	0.29	0.19	0.10	0.29	-0.01	-3.3%
575	120	4641	0.14	0.12	0.06	0.15	0.08	0.17	0.09	0.17	0.02	13.3%
576	60	4575	0.06	0.06	0.01	0.06	0.01	0.07	0.03	0.07	0.01	16.7%
577	120	4645	0.15	0.12	0.06	0.17	0.03	0.17	0.10	0.17	0.00	0.0%
578	120	4641	0.07	0.06	0.03	0.07	0.04	0.08	0.04	0.08	0.01	14.3%
579	10	4384	1.07	1.05	0.08	1.09	1.02	0.93	0.49	1.02	-0.07	-6.4%
580	60	4575	0.05	0.05	0.01	0.05	0.00	0.06	0.03	0.06	0.01	20.0%
581	10	4386	5.20	5.18	0.09	5.23	5.23	4.05	2.26	5.23	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
582	10	4387	0.23	0.22	0.02	0.24	0.23	0.19	0.09	0.23	-0.01	-4.2%
583	10	4386	0.18	0.17	0.02	0.18	0.18	0.13	0.07	0.18	0.00	0.0%
584	10	4386	0.36	0.36	0.04	0.37	0.37	0.25	0.13	0.37	0.00	0.0%
585	10	4385	0.92	0.92	0.00	0.93	0.93	0.73	0.39	0.93	0.00	0.0%
586	10	4386	0.85	0.85	0.01	0.85	0.85	0.68	0.37	0.85	0.00	0.0%
587	10	4386	0.14	0.14	0.01	0.15	0.15	0.11	0.05	0.15	0.00	0.0%
588	10	4386	0.06	0.06	0.01	0.06	0.06	0.05	0.02	0.06	0.00	0.0%
589	10	4386	0.37	0.37	0.04	0.38	0.38	0.25	0.13	0.38	0.00	0.0%
590	10	4386	0.46	0.45	0.05	0.46	0.46	0.32	0.17	0.46	0.00	0.0%
591	10	4387	0.62	0.60	0.06	0.63	0.61	0.44	0.24	0.61	-0.02	-3.2%
592	10	4386	0.14	0.14	0.01	0.15	0.15	0.10	0.05	0.15	0.00	0.0%
593	60	4582	0.09	0.09	0.02	0.09	0.01	0.10	0.05	0.10	0.01	11.1%
594	60	4575	0.10	0.10	0.02	0.10	0.00	0.12	0.06	0.12	0.02	20.0%
595	10	4380	0.35	0.34	0.04	0.36	0.34	0.29	0.15	0.34	-0.02	-5.6%
596	10	4386	0.15	0.15	0.02	0.15	0.15	0.11	0.05	0.15	0.00	0.0%
597	10	4386	0.17	0.16	0.02	0.17	0.17	0.09	0.04	0.17	0.00	0.0%
598	10	4386	0.31	0.30	0.03	0.31	0.31	0.18	0.08	0.31	0.00	0.0%
599	10	4380	0.50	0.48	0.05	0.53	0.50	0.41	0.21	0.50	-0.03	-5.7%
600	10	4386	0.16	0.16	0.02	0.17	0.17	0.12	0.06	0.17	0.00	0.0%
601	60	4582	0.08	0.08	0.02	0.08	0.00	0.09	0.05	0.09	0.01	12.5%
602	10	4386	0.34	0.33	0.03	0.34	0.34	0.21	0.10	0.34	0.00	0.0%
603	10	4380	0.58	0.56	0.06	0.60	0.56	0.42	0.21	0.56	-0.04	-6.7%
604	10	4380	1.61	1.58	0.10	1.64	1.58	1.14	0.57	1.58	-0.06	-3.7%
605	10	4386	0.24	0.23	0.02	0.24	0.24	0.15	0.08	0.24	0.00	0.0%
606	10	4386	0.13	0.13	0.01	0.13	0.13	0.07	0.04	0.13	0.00	0.0%
607	10	4380	1.04	1.00	0.10	1.06	1.00	0.72	0.35	1.00	-0.06	-5.7%
608	10	4386	0.46	0.45	0.05	0.46	0.46	0.26	0.12	0.46	0.00	0.0%
609	10	4380	0.97	0.94	0.10	1.00	0.94	0.66	0.32	0.94	-0.06	-6.0%
610	10	4387	0.52	0.50	0.05	0.53	0.51	0.34	0.18	0.51	-0.02	-3.8%
611	10	4386	0.05	0.05	0.01	0.05	0.05	0.04	0.02	0.05	0.00	0.0%
612	10	4387	1.74	1.72	0.08	1.74	1.74	1.27	0.65	1.74	0.00	0.0%
613	10	4386	0.06	0.06	0.01	0.07	0.07	0.05	0.02	0.07	0.00	0.0%
614	10	4380	0.35	0.34	0.04	0.37	0.35	0.25	0.13	0.35	-0.02	-5.4%
615	10	4380	0.39	0.37	0.04	0.40	0.38	0.27	0.15	0.38	-0.02	-5.0%
616	10	4386	0.08	0.08	0.01	0.08	0.08	0.06	0.03	0.08	0.00	0.0%
617	120	4645	0.16	0.13	0.07	0.19	0.06	0.19	0.10	0.19	0.00	0.0%
618	10	4386	0.36	0.35	0.04	0.36	0.36	0.19	0.09	0.36	0.00	0.0%
619	120	4645	0.43	0.37	0.18	0.50	0.18	0.50	0.31	0.50	0.00	0.0%
620	120	4645	0.55	0.50	0.21	0.62	0.42	0.62	0.38	0.62	0.00	0.0%
621	10	4386	0.11	0.11	0.01	0.11	0.11	0.08	0.03	0.11	0.00	0.0%
622	120	4645	0.13	0.10	0.06	0.15	0.01	0.15	0.09	0.15	0.00	0.0%
623	120	4645	0.22	0.19	0.09	0.26	0.03	0.26	0.15	0.26	0.00	0.0%
624	120	4645	0.24	0.20	0.10	0.28	0.03	0.28	0.17	0.28	0.00	0.0%
625	120	4645	0.24	0.20	0.11	0.28	0.02	0.28	0.16	0.28	0.00	0.0%
626	120	4645	0.72	0.61	0.30	0.86	0.10	0.86	0.51	0.86	0.00	0.0%
627	10	4387	0.38	0.37	0.04	0.39	0.38	0.27	0.14	0.38	-0.01	-2.6%
628	10	4386	0.23	0.22	0.02	0.23	0.23	0.14	0.07	0.23	0.00	0.0%
629	120	4645	0.11	0.09	0.05	0.13	0.01	0.13	0.07	0.13	0.00	0.0%
630	60	4575	0.05	0.05	0.01	0.05	0.00	0.06	0.03	0.06	0.01	20.0%
631	120	4645	0.17	0.14	0.07	0.19	0.02	0.19	0.12	0.19	0.00	0.0%
632	10	4386	0.18	0.18	0.02	0.19	0.19	0.14	0.07	0.19	0.00	0.0%
633	10	4386	0.30	0.29	0.03	0.30	0.30	0.21	0.11	0.30	0.00	0.0%
634	10	4386	0.45	0.44	0.05	0.46	0.46	0.30	0.16	0.46	0.00	0.0%
635	10	4380	0.55	0.53	0.05	0.57	0.54	0.42	0.22	0.54	-0.03	-5.3%
636	10	4386	0.30	0.30	0.03	0.31	0.31	0.21	0.10	0.31	0.00	0.0%
637	10	4386	0.43	0.42	0.04	0.43	0.43	0.30	0.17	0.43	0.00	0.0%
638	10	4386	0.32	0.31	0.03	0.32	0.32	0.21	0.11	0.32	0.00	0.0%
639	10	4380	0.75	0.73	0.08	0.78	0.73	0.59	0.36	0.73	-0.05	-6.4%
640	10	4386	0.34	0.34	0.04	0.35	0.35	0.23	0.12	0.35	0.00	0.0%
641	10	4386	0.23	0.22	0.02	0.23	0.23	0.15	0.07	0.23	0.00	0.0%
642	10	4387	0.61	0.59	0.06	0.64	0.60	0.40	0.19	0.60	-0.04	-6.3%
643	10	4386	0.50	0.49	0.05	0.50	0.50	0.28	0.13	0.50	0.00	0.0%
644	10	4387	1.32	1.30	0.13	1.33	1.34	0.75	0.36	1.34	0.01	0.8%
645	10	4386	0.33	0.32	0.03	0.33	0.33	0.24	0.13	0.33	0.00	0.0%
646	10	4384	1.00	0.98	0.04	1.02	0.98	0.76	0.43	0.98	-0.04	-3.9%
647	10	4380	0.46	0.45	0.05	0.48	0.45	0.35	0.18	0.45	-0.03	-6.3%
648	10	4386	0.15	0.15	0.02	0.15	0.15	0.11	0.05	0.15	0.00	0.0%
649	10	4387	0.60	0.58	0.06	0.62	0.59	0.42	0.23	0.59	-0.03	-4.8%
650	10	4387	0.85	0.81	0.08	0.88	0.83	0.63	0.33	0.83	-0.05	-5.7%
651	10	4386	0.26	0.25	0.03	0.26	0.26	0.18	0.10	0.26	0.00	0.0%
652	10	4386	0.25	0.24	0.03	0.25	0.25	0.18	0.09	0.25	0.00	0.0%
653	10	4386	0.35	0.34	0.04	0.35	0.35	0.24	0.12	0.35	0.00	0.0%
654	10	4387	0.44	0.43	0.04	0.45	0.44	0.31	0.16	0.44	-0.01	-2.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
655	10	4386	0.23	0.23	0.02	0.24	0.24	0.18	0.09	0.24	0.00	0.0%
656	10	4386	0.12	0.12	0.01	0.12	0.12	0.09	0.05	0.12	0.00	0.0%
657	10	4386	0.23	0.22	0.02	0.23	0.23	0.16	0.08	0.23	0.00	0.0%
658	10	4386	0.10	0.10	0.01	0.10	0.10	0.07	0.04	0.10	0.00	0.0%
659	10	4386	0.32	0.31	0.03	0.32	0.32	0.24	0.12	0.32	0.00	0.0%
660	10	4386	0.19	0.18	0.02	0.19	0.19	0.13	0.07	0.19	0.00	0.0%
661	10	4386	0.09	0.09	0.01	0.09	0.09	0.07	0.03	0.09	0.00	0.0%
662	10	4387	0.65	0.62	0.06	0.67	0.64	0.45	0.23	0.64	-0.03	-4.5%
663	10	4386	0.14	0.14	0.01	0.14	0.14	0.10	0.05	0.14	0.00	0.0%
664	10	4387	1.84	1.78	0.18	1.91	1.82	1.20	0.68	1.82	-0.09	-4.7%
665	10	4387	1.12	1.10	0.11	1.13	1.14	0.70	0.39	1.14	0.01	0.9%
666	15	4419	5.27	5.27	0.14	5.28	4.94	5.77	3.85	5.77	0.49	9.3%
667	10	4386	0.30	0.30	0.03	0.31	0.31	0.22	0.12	0.31	0.00	0.0%
668	10	4386	0.14	0.14	0.01	0.14	0.14	0.11	0.05	0.14	0.00	0.0%
669	10	4380	1.10	1.06	0.11	1.14	1.07	0.81	0.45	1.07	-0.07	-6.1%
670	10	4387	0.99	0.96	0.10	1.02	0.98	0.76	0.44	0.98	-0.04	-3.9%
671	10	4386	0.62	0.61	0.06	0.63	0.63	0.43	0.24	0.63	0.00	0.0%
672	10	4382	1.61	1.60	0.09	1.61	1.65	1.49	0.86	1.65	0.04	2.5%
673	10	4386	0.24	0.24	0.02	0.25	0.25	0.19	0.10	0.25	0.00	0.0%
674	10	4386	0.12	0.11	0.01	0.12	0.12	0.09	0.04	0.12	0.00	0.0%
675	10	4380	0.29	0.28	0.03	0.30	0.28	0.30	0.17	0.30	0.00	0.0%
676	10	4386	0.24	0.23	0.02	0.24	0.24	0.18	0.10	0.24	0.00	0.0%
677	120	4641	0.40	0.35	0.15	0.42	0.32	0.43	0.27	0.43	0.01	2.4%
678	120	4645	0.54	0.48	0.20	0.59	0.45	0.59	0.38	0.59	0.00	0.0%
679	120	4645	0.78	0.66	0.34	0.92	0.24	0.92	0.53	0.92	0.00	0.0%
680	10	4387	0.36	0.34	0.04	0.37	0.35	0.32	0.18	0.35	-0.02	-5.4%
681	10	4386	0.13	0.13	0.01	0.13	0.13	0.10	0.05	0.13	0.00	0.0%
682	10	4387	0.33	0.32	0.03	0.33	0.32	0.25	0.13	0.32	-0.01	-3.0%
683	120	4645	2.24	1.97	0.86	2.62	1.72	2.62	1.63	2.62	0.00	0.0%
684	120	4641	0.14	0.12	0.06	0.15	0.09	0.16	0.09	0.16	0.01	6.7%
685	10	4386	0.06	0.06	0.01	0.06	0.06	0.05	0.02	0.06	0.00	0.0%
686	10	4386	0.06	0.06	0.01	0.06	0.06	0.04	0.02	0.06	0.00	0.0%
687	10	4386	0.09	0.09	0.01	0.09	0.09	0.07	0.04	0.09	0.00	0.0%
688	10	4380	0.41	0.40	0.04	0.43	0.40	0.31	0.15	0.40	-0.03	-7.0%
689	120	4645	0.13	0.11	0.06	0.16	0.05	0.16	0.09	0.16	0.00	0.0%
690	120	4641	0.17	0.14	0.07	0.18	0.13	0.18	0.10	0.18	0.00	0.0%
691	120	4643	0.17	0.14	0.07	0.17	0.06	0.19	0.12	0.19	0.02	11.8%
692	10	4386	0.05	0.05	0.01	0.05	0.05	0.05	0.02	0.05	0.00	0.0%
693	10	4386	0.14	0.14	0.01	0.14	0.14	0.12	0.06	0.14	0.00	0.0%
694	10	4380	1.00	0.97	0.10	1.01	0.95	0.79	0.47	0.95	-0.06	-5.9%
695	10	4384	1.66	1.63	0.12	1.70	1.60	1.33	0.84	1.60	-0.10	-5.9%
696	10	4391	3.00	2.97	0.12	3.04	2.90	2.82	1.73	2.90	-0.14	-4.6%
697	10	4386	0.42	0.41	0.04	0.42	0.42	0.27	0.13	0.42	0.00	0.0%
698	10	4386	0.44	0.43	0.04	0.45	0.45	0.28	0.15	0.45	0.00	0.0%
699	10	4386	0.09	0.09	0.01	0.09	0.09	0.07	0.04	0.09	0.00	0.0%
700	10	4386	0.61	0.60	0.06	0.62	0.62	0.39	0.22	0.62	0.00	0.0%
701	10	4386	0.72	0.71	0.07	0.73	0.73	0.48	0.26	0.73	0.00	0.0%
702	10	4387	0.61	0.59	0.06	0.63	0.61	0.42	0.23	0.61	-0.02	-3.2%
703	10	4386	0.36	0.35	0.04	0.36	0.36	0.25	0.14	0.36	0.00	0.0%
704	10	4386	0.08	0.08	0.01	0.08	0.08	0.06	0.03	0.08	0.00	0.0%
705	10	4386	0.09	0.08	0.01	0.09	0.09	0.06	0.03	0.09	0.00	0.0%
706	10	4386	0.12	0.12	0.01	0.12	0.12	0.09	0.05	0.12	0.00	0.0%
707	10	4387	0.56	0.55	0.06	0.58	0.56	0.40	0.23	0.56	-0.02	-3.4%
708	15	4420	4.56	4.54	0.12	4.57	4.32	4.38	2.84	4.38	-0.19	-4.2%
709	15	4418	4.61	4.60	0.09	4.63	4.32	4.46	2.91	4.46	-0.17	-3.7%
710	20	4445	4.64	4.62	0.24	4.67	4.32	4.49	2.93	4.49	-0.18	-3.9%
711	10	4386	0.15	0.15	0.02	0.16	0.16	0.12	0.06	0.16	0.00	0.0%
712	10	4386	0.24	0.24	0.02	0.25	0.25	0.16	0.07	0.25	0.00	0.0%
713	10	4386	0.24	0.24	0.02	0.25	0.25	0.18	0.09	0.25	0.00	0.0%
714	10	4386	0.37	0.36	0.04	0.37	0.37	0.26	0.14	0.37	0.00	0.0%
715	120	4641	8.30	8.10	1.90	8.42	5.02	9.28	6.53	9.28	0.86	10.2%
716	10	4386	0.23	0.23	0.02	0.23	0.23	0.17	0.09	0.23	0.00	0.0%
717	15	4426	4.07	4.05	0.14	4.15	3.96	3.89	2.42	3.96	-0.19	-4.6%
718	10	4386	0.63	0.62	0.06	0.64	0.64	0.41	0.21	0.64	0.00	0.0%
719	10	4387	0.42	0.41	0.04	0.44	0.42	0.31	0.18	0.42	-0.02	-4.5%
720	10	4386	0.19	0.18	0.02	0.19	0.19	0.14	0.08	0.19	0.00	0.0%
721	10	4386	0.26	0.26	0.03	0.27	0.27	0.18	0.09	0.27	0.00	0.0%
722	10	4386	0.20	0.20	0.02	0.20	0.20	0.15	0.08	0.20	0.00	0.0%
723	10	4386	0.30	0.30	0.03	0.30	0.30	0.22	0.11	0.30	0.00	0.0%
724	10	4387	0.24	0.23	0.02	0.24	0.24	0.20	0.11	0.24	0.00	0.0%
725	10	4387	0.70	0.68	0.07	0.71	0.70	0.57	0.35	0.70	-0.01	-1.4%
726	10	4386	0.20	0.19	0.02	0.20	0.20	0.19	0.11	0.20	0.00	0.0%
727	120	4643	12.46	11.97	2.88	13.20	8.64	14.17	9.86	14.17	0.97	7.3%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
728	10	4386	0.09	0.08	0.01	0.09	0.09	0.08	0.03	0.09	0.00	0.0%
729	120	4645	0.05	0.04	0.02	0.06	0.02	0.06	0.03	0.06	0.00	0.0%
730	10	4386	0.08	0.08	0.01	0.08	0.08	0.06	0.03	0.08	0.00	0.0%
731	10	4380	0.19	0.18	0.02	0.19	0.18	0.15	0.07	0.18	-0.01	-5.3%
732	10	4387	0.78	0.75	0.08	0.81	0.76	0.53	0.31	0.76	-0.05	-6.2%
733	10	4382	0.14	0.14	0.01	0.14	0.14	0.12	0.06	0.14	0.00	0.0%
734	10	4386	0.07	0.07	0.01	0.07	0.07	0.07	0.04	0.07	0.00	0.0%
735	10	4386	0.13	0.12	0.01	0.13	0.13	0.10	0.06	0.13	0.00	0.0%
736	120	4645	0.48	0.40	0.21	0.57	0.14	0.57	0.33	0.57	0.00	0.0%
737	120	4645	0.20	0.17	0.09	0.24	0.07	0.24	0.13	0.24	0.00	0.0%
738	120	4645	0.22	0.18	0.10	0.27	0.06	0.27	0.15	0.27	0.00	0.0%
739	120	4645	0.12	0.10	0.05	0.14	0.04	0.14	0.08	0.14	0.00	0.0%
740	120	4645	0.36	0.30	0.16	0.43	0.09	0.43	0.24	0.43	0.00	0.0%
741	60	4582	0.06	0.07	0.02	0.07	0.00	0.08	0.03	0.08	0.01	14.3%
742	120	4645	0.14	0.11	0.06	0.16	0.01	0.16	0.09	0.16	0.00	0.0%
743	120	4645	0.11	0.09	0.05	0.14	0.03	0.14	0.07	0.14	0.00	0.0%
744	60	4582	0.18	0.19	0.04	0.18	0.14	0.20	0.11	0.20	0.02	11.1%
745	10	4386	0.07	0.07	0.01	0.07	0.07	0.07	0.04	0.07	0.00	0.0%
746	10	4386	0.14	0.14	0.01	0.14	0.14	0.13	0.06	0.14	0.00	0.0%
747	10	4386	0.20	0.20	0.02	0.20	0.20	0.17	0.09	0.20	0.00	0.0%
748	120	4645	0.20	0.17	0.09	0.24	0.10	0.24	0.14	0.24	0.00	0.0%
749	60	4582	0.11	0.11	0.03	0.12	0.00	0.12	0.06	0.12	0.00	0.0%
750	120	4641	0.09	0.07	0.04	0.09	0.05	0.10	0.05	0.10	0.01	11.1%
751	120	4645	0.21	0.18	0.09	0.25	0.12	0.25	0.15	0.25	0.00	0.0%
752	120	4643	18.03	17.50	4.09	18.85	11.83	20.79	14.25	20.79	1.94	10.3%
753	10	4386	0.27	0.27	0.03	0.28	0.28	0.17	0.08	0.28	0.00	0.0%
754	10	4386	0.68	0.67	0.07	0.69	0.69	0.39	0.20	0.69	0.00	0.0%
755	10	4387	1.02	1.00	0.10	1.05	1.02	0.60	0.30	1.02	-0.03	-2.9%
756	60	4582	0.03	0.03	0.01	0.03	0.03	0.03	0.02	0.03	0.00	0.0%
757	60	4582	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.0%
758	10	4382	1.32	1.33	0.08	1.33	1.37	0.89	0.46	1.37	0.04	3.0%
759	120	4641	0.25	0.21	0.11	0.26	0.16	0.28	0.16	0.28	0.02	7.7%
760	60	4582	0.16	0.17	0.03	0.17	0.11	0.18	0.09	0.18	0.01	5.9%
761	10	4386	0.23	0.23	0.02	0.23	0.23	0.18	0.10	0.23	0.00	0.0%
762	10	4387	0.45	0.44	0.05	0.45	0.45	0.32	0.19	0.45	0.00	0.0%
763	20	4445	9.33	9.12	0.74	10.03	8.18	8.64	5.85	8.64	-1.39	-13.9%
764	10	4386	0.17	0.16	0.02	0.17	0.17	0.13	0.06	0.17	0.00	0.0%
765	15	4424	5.27	5.21	0.29	5.30	4.81	4.14	2.57	4.81	-0.49	-9.2%
766	120	4645	0.58	0.51	0.25	0.68	0.38	0.68	0.39	0.68	0.00	0.0%
767	120	4645	0.23	0.21	0.10	0.26	0.20	0.26	0.14	0.26	0.00	0.0%
768	10	4386	0.12	0.12	0.01	0.12	0.12	0.10	0.05	0.12	0.00	0.0%
769	120	4645	0.11	0.10	0.05	0.13	0.06	0.13	0.07	0.13	0.00	0.0%
770	10	4386	0.13	0.12	0.01	0.13	0.13	0.10	0.05	0.13	0.00	0.0%
771	10	4386	0.10	0.10	0.01	0.10	0.10	0.07	0.03	0.10	0.00	0.0%
772	10	4387	0.29	0.28	0.03	0.30	0.29	0.22	0.10	0.29	-0.01	-3.3%
773	10	4387	0.43	0.42	0.04	0.45	0.43	0.29	0.13	0.43	-0.02	-4.4%
774	10	4386	0.20	0.20	0.02	0.20	0.20	0.11	0.05	0.20	0.00	0.0%
775	10	4386	0.35	0.34	0.03	0.35	0.35	0.23	0.11	0.35	0.00	0.0%
776	10	4386	0.32	0.31	0.03	0.32	0.32	0.18	0.09	0.32	0.00	0.0%
777	10	4386	0.21	0.20	0.02	0.21	0.21	0.16	0.09	0.21	0.00	0.0%
778	10	4386	0.44	0.43	0.04	0.45	0.45	0.30	0.19	0.45	0.00	0.0%
779	10	4386	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.0%
780	120	4641	0.23	0.19	0.10	0.23	0.15	0.26	0.15	0.26	0.03	13.0%
781	60	4582	0.05	0.06	0.01	0.05	0.05	0.06	0.03	0.06	0.01	20.0%
782	10	4386	0.04	0.04	0.00	0.04	0.04	0.04	0.02	0.04	0.00	0.0%
783	10	4386	0.11	0.11	0.01	0.11	0.11	0.07	0.04	0.11	0.00	0.0%
784	10	4386	0.10	0.10	0.01	0.10	0.10	0.06	0.02	0.10	0.00	0.0%
785	10	4386	0.03	0.03	0.00	0.03	0.03	0.01	0.01	0.03	0.00	0.0%
786	10	4380	0.22	0.21	0.02	0.23	0.22	0.15	0.07	0.22	-0.01	-4.3%
787	10	4387	0.56	0.55	0.04	0.59	0.53	0.46	0.27	0.53	-0.06	-10.2%
788	10	4386	0.04	0.04	0.00	0.04	0.04	0.03	0.01	0.04	0.00	0.0%
789	60	4582	0.05	0.05	0.01	0.05	0.04	0.05	0.03	0.05	0.00	0.0%
790	10	4386	0.20	0.20	0.02	0.20	0.20	0.12	0.06	0.20	0.00	0.0%
791	10	4386	0.09	0.09	0.01	0.10	0.10	0.07	0.04	0.10	0.00	0.0%
792	10	4386	0.17	0.17	0.02	0.17	0.17	0.12	0.06	0.17	0.00	0.0%
793	10	4386	0.23	0.23	0.02	0.23	0.23	0.17	0.09	0.23	0.00	0.0%
794	10	4386	0.10	0.10	0.01	0.10	0.10	0.08	0.05	0.10	0.00	0.0%
795	10	4386	0.16	0.16	0.02	0.16	0.16	0.12	0.07	0.16	0.00	0.0%
796	120	4641	0.09	0.08	0.04	0.10	0.05	0.11	0.06	0.11	0.01	10.0%
797	10	4384	0.74	0.73	0.07	0.78	0.71	0.76	0.45	0.76	-0.02	-2.6%
798	120	4645	0.13	0.11	0.06	0.16	0.06	0.16	0.09	0.16	0.00	0.0%
799	10	4386	0.15	0.15	0.02	0.16	0.16	0.12	0.07	0.16	0.00	0.0%
800	10	4386	0.31	0.31	0.03	0.32	0.32	0.21	0.12	0.32	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
801	120	4643	0.57	0.46	0.23	0.57	0.10	0.66	0.41	0.66	0.09	15.8%
802	10	4386	0.03	0.03	0.00	0.03	0.03	0.03	0.02	0.03	0.00	0.0%
803	10	4386	0.17	0.17	0.02	0.18	0.18	0.13	0.07	0.18	0.00	0.0%
804	10	4385	4.57	4.57	0.01	4.58	4.59	3.75	2.32	4.59	0.01	0.2%
805	10	4385	4.57	4.57	0.01	4.58	4.59	3.51	2.14	4.59	0.01	0.2%
806	10	4386	2.46	2.42	0.10	2.47	2.47	1.88	1.17	2.47	0.00	0.0%
807	10	4380	2.09	2.05	0.21	2.11	1.98	1.57	1.00	1.98	-0.13	-6.2%
808	10	4386	0.36	0.35	0.04	0.36	0.36	0.26	0.12	0.36	0.00	0.0%
809	10	4386	0.44	0.43	0.04	0.44	0.44	0.24	0.11	0.44	0.00	0.0%
810	120	4645	0.59	0.49	0.25	0.69	0.30	0.69	0.40	0.69	0.00	0.0%
811	120	4645	0.44	0.36	0.20	0.52	0.08	0.52	0.30	0.52	0.00	0.0%
812	60	4575	0.11	0.12	0.02	0.12	0.04	0.12	0.07	0.12	0.00	0.0%
813	10	4387	0.56	0.55	0.04	0.59	0.54	0.47	0.27	0.54	-0.05	-8.5%
814	30	4524	9.28	9.19	0.97	9.33	8.74	7.48	5.81	8.74	-0.59	-6.3%
815	15	4424	9.65	9.53	0.91	9.67	8.84	7.84	6.18	8.84	-0.83	-8.6%
816	10	4386	0.06	0.05	0.01	0.06	0.06	0.05	0.02	0.06	0.00	0.0%
817	10	4386	0.16	0.16	0.02	0.17	0.17	0.13	0.07	0.17	0.00	0.0%
818	360	4740	73.38	68.93	16.64	80.34	54.52	74.31	71.49	74.31	-6.03	-7.5%
819	1440	4882	0.03	0.04	0.00	0.04	0.00	0.01	0.02	0.02	-0.02	-50.0%
820	120	4641	0.41	0.35	0.18	0.41	0.20	0.48	0.27	0.48	0.07	17.1%
821	360	4740	73.29	68.84	16.61	80.19	54.52	74.22	71.44	74.22	-5.97	-7.4%
822	120	4643	18.33	17.75	3.95	19.00	11.83	21.04	14.68	21.04	2.04	10.7%
823	120	4645	0.30	0.25	0.13	0.34	0.10	0.34	0.22	0.34	0.00	0.0%
824	10	4386	0.24	0.24	0.02	0.24	0.24	0.25	0.14	0.25	0.01	4.2%
825	10	4386	0.03	0.03	0.00	0.04	0.04	0.03	0.01	0.04	0.00	0.0%
826	10	4386	0.33	0.32	0.03	0.33	0.33	0.18	0.09	0.33	0.00	0.0%
827	10	4386	0.40	0.40	0.04	0.41	0.41	0.26	0.13	0.41	0.00	0.0%
828	10	4386	0.47	0.46	0.05	0.48	0.48	0.31	0.15	0.48	0.00	0.0%
829	10	4387	1.12	1.08	0.11	1.16	1.11	0.68	0.32	1.11	-0.05	-4.3%
830	10	4386	0.46	0.45	0.05	0.46	0.46	0.33	0.17	0.46	0.00	0.0%
831	10	4386	0.20	0.20	0.02	0.20	0.20	0.15	0.08	0.20	0.00	0.0%
832	10	4387	0.27	0.27	0.03	0.28	0.27	0.22	0.11	0.27	-0.01	-3.6%
833	10	4386	0.16	0.15	0.02	0.16	0.16	0.12	0.06	0.16	0.00	0.0%
834	10	4386	0.21	0.20	0.02	0.21	0.21	0.16	0.08	0.21	0.00	0.0%
835	10	4386	0.06	0.06	0.01	0.07	0.07	0.04	0.02	0.07	0.00	0.0%
836	10	4380	0.78	0.76	0.06	0.79	0.76	0.73	0.44	0.76	-0.03	-3.8%
837	10	4386	0.37	0.37	0.04	0.38	0.38	0.25	0.13	0.38	0.00	0.0%
838	10	4386	0.13	0.13	0.01	0.13	0.13	0.10	0.05	0.13	0.00	0.0%
839	10	4380	0.40	0.38	0.04	0.41	0.39	0.41	0.26	0.41	0.00	0.0%
840	10	4386	0.15	0.15	0.02	0.15	0.15	0.11	0.05	0.15	0.00	0.0%
841	10	4387	0.46	0.45	0.04	0.48	0.46	0.35	0.17	0.46	-0.02	-4.2%
842	10	4386	0.07	0.07	0.01	0.07	0.07	0.05	0.02	0.07	0.00	0.0%
843	10	4387	0.80	0.77	0.08	0.83	0.79	0.57	0.35	0.79	-0.04	-4.8%
844	10	4387	0.99	0.95	0.10	1.03	0.97	0.72	0.42	0.97	-0.06	-5.8%
845	10	4387	1.42	1.41	0.05	1.44	1.42	1.25	0.73	1.42	-0.02	-1.4%
846	10	4386	0.24	0.24	0.02	0.24	0.24	0.17	0.09	0.24	0.00	0.0%
847	10	4386	0.53	0.52	0.05	0.54	0.54	0.36	0.22	0.54	0.00	0.0%
848	10	4386	0.26	0.26	0.03	0.27	0.27	0.19	0.10	0.27	0.00	0.0%
849	10	4380	0.30	0.29	0.03	0.31	0.29	0.25	0.13	0.29	-0.02	-6.5%
850	10	4386	0.17	0.16	0.02	0.17	0.17	0.12	0.07	0.17	0.00	0.0%
851	10	4387	1.04	1.00	0.10	1.08	1.03	0.72	0.42	1.03	-0.05	-4.6%
852	10	4386	0.56	0.56	0.06	0.57	0.57	0.37	0.20	0.57	0.00	0.0%
853	10	4387	0.74	0.72	0.07	0.76	0.73	0.51	0.28	0.73	-0.03	-3.9%
854	10	4380	0.57	0.55	0.06	0.59	0.55	0.47	0.24	0.55	-0.04	-6.8%
855	10	4386	0.13	0.13	0.01	0.13	0.13	0.10	0.05	0.13	0.00	0.0%
856	10	4386	0.18	0.18	0.02	0.18	0.18	0.12	0.06	0.18	0.00	0.0%
857	10	4386	0.02	0.02	0.00	0.02	0.02	0.02	0.01	0.02	0.00	0.0%
858	10	4386	0.07	0.07	0.01	0.07	0.07	0.05	0.02	0.07	0.00	0.0%
859	10	4386	0.16	0.16	0.02	0.16	0.16	0.12	0.06	0.16	0.00	0.0%
860	10	4386	0.28	0.28	0.03	0.29	0.29	0.20	0.10	0.29	0.00	0.0%
861	10	4386	0.18	0.18	0.02	0.19	0.19	0.14	0.07	0.19	0.00	0.0%
862	10	4386	0.32	0.32	0.03	0.33	0.33	0.23	0.11	0.33	0.00	0.0%
863	10	4386	0.33	0.33	0.03	0.34	0.34	0.23	0.12	0.34	0.00	0.0%
864	10	4387	1.37	1.32	0.13	1.42	1.36	0.98	0.55	1.36	-0.06	-4.2%
865	10	4387	1.55	1.53	0.11	1.56	1.57	1.15	0.66	1.57	0.01	0.6%
866	10	4387	1.72	1.69	0.12	1.74	1.71	1.26	0.72	1.71	-0.03	-1.7%
867	10	4386	0.36	0.35	0.04	0.36	0.36	0.26	0.13	0.36	0.00	0.0%
868	10	4386	0.26	0.26	0.03	0.26	0.26	0.19	0.10	0.26	0.00	0.0%
869	10	4386	0.13	0.13	0.01	0.13	0.13	0.10	0.05	0.13	0.00	0.0%
870	10	4391	1.11	1.10	0.05	1.12	1.07	0.86	0.50	1.07	-0.05	-4.5%
871	60	4575	0.03	0.03	0.01	0.03	0.03	0.03	0.02	0.03	0.00	0.0%
872	10	4389	0.84	0.84	0.00	0.84	0.84	0.69	0.38	0.84	0.00	0.0%
873	10	4386	0.37	0.37	0.04	0.38	0.38	0.27	0.15	0.38	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4386 TP for the 10 minute duration	4645 TP for the 2 hour duration	4741 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
874	15	4422	2.56	2.52	0.17	2.58	2.19	2.34	1.52	2.34	-0.24	-9.3%
875	15	4420	2.62	2.59	0.16	2.65	2.27	2.38	1.56	2.38	-0.27	-10.2%
876	15	4420	2.63	2.61	0.16	2.67	2.30	2.46	1.60	2.46	-0.21	-7.9%
877	10	4390	0.58	0.58	0.01	0.61	0.58	0.44	0.24	0.58	-0.03	-4.9%
878	10	4386	0.18	0.18	0.02	0.19	0.19	0.14	0.06	0.19	0.00	0.0%
879	20	4450	3.90	3.75	0.29	4.09	3.64	3.72	2.42	3.72	-0.37	-9.0%
880	10	4387	0.25	0.24	0.02	0.26	0.25	0.20	0.10	0.25	-0.01	-3.8%
881	60	4582	0.07	0.07	0.01	0.07	0.07	0.07	0.03	0.07	0.00	0.0%
882	10	4384	1.10	1.08	0.08	1.10	1.01	0.96	0.56	1.01	-0.09	-8.2%
883	10	4391	1.01	0.99	0.07	1.01	0.93	0.93	0.54	0.93	-0.08	-7.9%
884	10	4391	4.57	4.54	0.09	4.57	4.52	4.88	3.09	4.88	0.31	6.8%
885	120	4643	2.92	2.70	1.04	2.93	2.65	3.30	2.17	3.30	0.37	12.6%
886	10	4386	0.32	0.32	0.03	0.33	0.33	0.22	0.12	0.33	0.00	0.0%
887	10	4386	0.24	0.24	0.02	0.24	0.24	0.16	0.08	0.24	0.00	0.0%
888	10	4386	0.31	0.30	0.03	0.31	0.31	0.22	0.12	0.31	0.00	0.0%
889	120	4645	0.09	0.08	0.04	0.11	0.03	0.11	0.06	0.11	0.00	0.0%
890	10	4386	0.27	0.26	0.03	0.27	0.27	0.20	0.10	0.27	0.00	0.0%
891	10	4386	0.43	0.42	0.04	0.44	0.44	0.29	0.15	0.44	0.00	0.0%
892	10	4380	1.53	1.50	0.09	1.55	1.49	1.11	0.61	1.49	-0.06	-3.9%
893	10	4380	0.35	0.33	0.03	0.36	0.34	0.27	0.14	0.34	-0.02	-5.6%
894	10	4387	0.43	0.42	0.04	0.44	0.43	0.31	0.16	0.43	-0.01	-2.3%
895	10	4386	0.31	0.30	0.03	0.31	0.31	0.21	0.11	0.31	0.00	0.0%
896	10	4386	1.98	1.97	0.04	1.99	1.99	1.48	0.85	1.99	0.00	0.0%
897	10	4386	0.41	0.40	0.04	0.42	0.42	0.30	0.16	0.42	0.00	0.0%
898	10	4386	0.33	0.33	0.03	0.34	0.34	0.23	0.12	0.34	0.00	0.0%
899	10	4386	0.06	0.05	0.01	0.06	0.06	0.05	0.02	0.06	0.00	0.0%
900	10	4386	0.29	0.29	0.03	0.30	0.30	0.21	0.10	0.30	0.00	0.0%
901	10	4386	0.30	0.30	0.03	0.31	0.31	0.21	0.11	0.31	0.00	0.0%
902	10	4386	0.36	0.35	0.04	0.36	0.36	0.25	0.14	0.36	0.00	0.0%
903	10	4386	0.24	0.24	0.02	0.25	0.25	0.18	0.09	0.25	0.00	0.0%
904	120	4643	2.87	2.65	1.02	2.88	2.57	3.25	2.13	3.25	0.37	12.8%
905	10	4386	0.20	0.19	0.02	0.20	0.20	0.14	0.07	0.20	0.00	0.0%
906	10	4387	0.40	0.38	0.04	0.41	0.39	0.31	0.17	0.39	-0.02	-4.9%
907	120	4641	1.25	1.15	0.48	1.28	1.01	1.42	0.90	1.42	0.14	10.9%
908	10	4380	0.81	0.79	0.08	0.82	0.77	0.88	0.54	0.88	0.06	7.3%
909	120	4645	0.97	0.87	0.40	1.11	0.57	1.11	0.68	1.11	0.00	0.0%
910	10	4387	0.27	0.27	0.02	0.29	0.27	0.25	0.14	0.27	-0.02	-6.9%
911	10	4386	0.14	0.14	0.01	0.14	0.14	0.11	0.05	0.14	0.00	0.0%
912	15	4421	2.22	2.22	0.06	2.23	1.86	2.09	1.32	2.09	-0.14	-6.3%
913	10	4386	0.15	0.15	0.02	0.15	0.15	0.13	0.06	0.15	0.00	0.0%
914	10	4386	0.09	0.09	0.01	0.09	0.09	0.08	0.03	0.09	0.00	0.0%
915	10	4386	0.26	0.26	0.03	0.27	0.27	0.20	0.10	0.27	0.00	0.0%
916	10	4380	0.53	0.51	0.05	0.54	0.51	0.44	0.24	0.51	-0.03	-5.6%
917	10	4380	2.06	1.99	0.21	2.12	1.99	1.27	0.62	1.99	-0.13	-6.1%
918	10	4387	1.30	1.28	0.13	1.31	1.32	0.72	0.35	1.32	0.01	0.8%
919	10	4386	0.28	0.27	0.03	0.28	0.28	0.17	0.08	0.28	0.00	0.0%
920	10	4380	0.49	0.47	0.05	0.51	0.48	0.33	0.16	0.48	-0.03	-5.9%
921	10	4385	0.77	0.77	0.03	0.77	0.79	0.60	0.32	0.79	0.02	2.6%
922	10	4380	1.06	1.02	0.08	1.08	1.04	0.81	0.45	1.04	-0.04	-3.7%
923	10	4386	0.43	0.42	0.04	0.44	0.44	0.31	0.17	0.44	0.00	0.0%
924	10	4386	0.41	0.40	0.04	0.42	0.42	0.29	0.15	0.42	0.00	0.0%
925	10	4380	1.76	1.70	0.13	1.81	1.72	1.29	0.76	1.72	-0.09	-5.0%
926	10	4380	0.26	0.25	0.03	0.27	0.25	0.21	0.11	0.25	-0.02	-7.4%
927	10	4386	0.47	0.46	0.05	0.47	0.47	0.32	0.16	0.47	0.00	0.0%
928	10	4386	0.18	0.17	0.02	0.18	0.18	0.11	0.05	0.18	0.00	0.0%
929	10	4386	0.31	0.30	0.03	0.31	0.31	0.22	0.12	0.31	0.00	0.0%
930	10	4386	0.12	0.11	0.01	0.12	0.12	0.09	0.05	0.12	0.00	0.0%
931	10	4386	0.90	0.88	0.09	0.90	0.90	0.64	0.35	0.90	0.00	0.0%
932	10	4386	0.44	0.43	0.04	0.44	0.44	0.30	0.15	0.44	0.00	0.0%
933	10	4386	0.40	0.39	0.04	0.40	0.40	0.28	0.15	0.40	0.00	0.0%
934	10	4386	0.38	0.37	0.04	0.38	0.38	0.26	0.14	0.38	0.00	0.0%
935	10	4380	0.88	0.85	0.09	0.91	0.86	0.64	0.35	0.86	-0.05	-5.5%

Average Difference (All Subcatchments)	**0.05%**
Average Difference (Focus Locations)	**0.63%**

ARR2016 Results for 10% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
1	360	4731	115.11	121.11	15.05	120.91	70.56	117.85	107.88	130.25	130.25	9.34	7.7%
2	120	4630	0.73	0.61	0.26	0.96	0.39	0.68	1.03	0.56	1.03	0.07	7.3%
3	60	4567	0.70	0.65	0.20	0.71	0.28	0.71	0.96	0.52	0.96	0.25	35.2%
4	120	4630	1.42	1.19	0.52	1.88	0.35	1.34	1.97	1.13	1.97	0.09	4.8%
5	60	4567	1.57	1.47	0.37	1.63	0.85	1.63	2.05	1.31	2.05	0.42	25.8%
6	120	4621	4.29	3.73	1.29	5.50	2.46	4.43	5.50	3.90	5.50	0.00	0.0%
7	120	4625	5.08	4.59	1.43	5.09	1.20	4.69	6.35	4.71	6.35	1.26	24.8%
8	120	4625	5.41	4.93	1.47	5.50	2.48	5.71	6.60	5.16	6.60	1.10	20.0%
9	60	4567	0.76	0.73	0.23	0.80	0.73	0.80	0.98	0.49	0.98	0.18	22.5%
10	120	4630	6.67	5.74	2.20	8.73	3.24	6.48	8.86	5.61	8.86	0.13	1.5%
11	60	4567	0.70	0.64	0.20	0.71	0.23	0.71	0.96	0.52	0.96	0.25	35.2%
12	120	4630	2.64	2.24	0.90	3.55	0.79	2.65	3.60	2.15	3.60	0.05	1.4%
13	120	4625	0.50	0.43	0.17	0.50	0.09	0.44	0.66	0.42	0.66	0.16	32.0%
14	120	4625	0.66	0.57	0.23	0.67	0.14	0.59	0.90	0.56	0.90	0.23	34.3%
15	120	4630	1.54	1.35	0.49	1.93	0.36	1.38	2.05	1.34	2.05	0.12	6.2%
16	120	4621	10.73	9.75	2.89	13.04	3.40	10.55	13.04	10.38	13.04	0.00	0.0%
17	10	4369	0.85	0.82	0.09	0.90	0.90	0.69	0.81	0.41	0.90	0.00	0.0%
18	10	4369	3.29	3.22	0.18	3.38	3.38	2.65	3.16	1.73	3.38	0.00	0.0%
19	120	4630	0.87	0.81	0.19	0.97	0.12	0.67	1.03	0.91	1.03	0.06	6.2%
20	120	4621	3.62	3.09	1.19	4.68	0.95	3.74	4.68	3.03	4.68	0.00	0.0%
21	120	4625	4.77	4.43	1.18	5.18	1.47	4.51	5.52	4.65	5.52	0.34	6.6%
22	120	4628	11.97	11.01	3.12	12.06	3.40	11.62	14.18	11.85	14.18	2.12	17.6%
23	15	4413	1.22	1.18	0.17	1.25	1.28	0.98	1.59	1.02	1.59	0.34	27.2%
24	120	4621	4.43	3.90	1.37	5.66	0.98	4.37	5.66	3.95	5.66	0.00	0.0%
25	90	4593	5.34	5.37	1.31	5.35	1.42	5.18	6.62	4.99	6.62	1.27	23.7%
26	120	4621	7.83	6.88	2.39	10.01	3.42	7.67	10.01	6.92	10.01	0.00	0.0%
27	60	4567	0.93	0.88	0.27	0.97	0.91	0.97	1.24	0.63	1.24	0.27	27.8%
28	15	4413	1.03	1.00	0.14	1.06	1.09	0.84	1.13	0.58	1.13	0.07	6.6%
29	15	4412	4.41	4.53	0.38	4.42	4.41	4.01	4.42	2.72	4.42	0.00	0.0%
30	120	4630	0.96	0.81	0.34	1.23	0.43	0.86	1.33	0.76	1.33	0.10	8.1%
31	120	4628	16.59	15.35	4.11	16.79	4.36	16.05	19.23	16.67	19.23	2.44	14.5%
32	15	4413	1.36	1.31	0.19	1.39	1.43	1.10	1.16	0.57	1.43	0.04	2.9%
33	15	4416	5.41	5.37	0.14	5.44	4.91	5.19	5.64	3.56	5.64	0.20	3.7%
34	360	4660	12.08	12.46	1.86	12.27	4.35	10.60	11.59	13.63	13.63	1.36	11.1%
35	120	4630	0.91	0.78	0.31	1.12	0.43	0.78	1.25	0.74	1.25	0.13	11.6%
36	120	4630	3.23	2.75	1.07	4.09	1.81	2.98	4.30	2.69	4.30	0.21	5.1%
37	120	4630	1.48	1.27	0.48	1.84	1.34	1.36	2.03	1.18	2.03	0.19	10.3%
38	90	4590	1.66	1.67	0.43	1.70	0.60	1.60	2.18	1.40	2.18	0.48	28.2%
39	120	4630	4.26	3.69	1.38	5.41	2.44	3.94	5.64	3.64	5.64	0.23	4.3%
40	120	4628	17.10	15.83	4.09	17.33	4.36	16.45	19.55	17.24	19.55	2.22	12.8%
41	10	4369	0.83	0.79	0.09	0.87	0.87	0.68	0.92	0.47	0.92	0.05	5.7%
42	120	4628	19.71	18.74	4.21	20.24	4.59	18.39	21.49	20.80	21.49	1.25	6.2%
43	15	4413	1.52	1.47	0.21	1.56	1.60	1.22	1.41	0.71	1.60	0.04	2.6%
44	360	4660	12.11	12.48	1.86	12.31	4.36	10.61	11.60	13.65	13.65	1.34	10.9%
45	120	4630	0.70	0.60	0.24	0.87	0.41	0.60	0.97	0.56	0.97	0.10	11.5%
46	120	4628	19.89	19.01	4.19	20.44	4.59	18.46	21.61	21.00	21.61	1.17	5.7%
47	120	4630	0.58	0.49	0.20	0.70	0.33	0.48	0.80	0.47	0.80	0.10	14.3%
48	120	4630	1.01	0.87	0.34	1.21	0.98	0.90	1.42	0.80	1.42	0.21	17.4%
49	120	4630	0.65	0.54	0.23	0.85	0.43	0.63	0.91	0.50	0.91	0.06	7.1%
50	120	4630	2.10	1.83	0.66	2.57	1.56	1.87	2.83	1.75	2.83	0.26	10.1%
51	15	4413	1.51	1.46	0.21	1.55	1.59	1.22	1.19	0.58	1.59	0.04	2.6%
52	15	4410	2.49	2.48	0.22	2.50	2.54	2.01	2.72	1.50	2.72	0.22	8.8%
53	10	4369	2.32	2.22	0.24	2.44	2.44	1.94	2.46	1.35	2.46	0.02	0.8%
54	120	4628	20.47	19.70	4.16	20.99	4.59	18.79	22.06	21.57	22.06	1.07	5.1%
55	15	4413	1.54	1.49	0.21	1.58	1.61	1.24	1.28	0.62	1.61	0.03	1.9%
56	15	4415	4.21	4.21	0.36	4.21	4.02	3.33	4.21	2.28	4.21	0.00	0.0%
57	15	4410	5.82	5.75	0.51	5.96	5.70	4.65	5.74	3.09	5.74	-0.22	-3.7%
58	360	4731	12.65	12.98	1.80	12.86	4.25	10.59	11.48	13.98	13.98	1.12	8.7%
59	15	4413	2.39	2.32	0.33	2.46	2.51	1.92	1.91	0.94	2.51	0.05	2.0%
60	360	4731	14.28	15.03	1.81	14.91	8.57	10.81	11.89	15.69	15.69	0.78	5.2%
61	120	4621	2.20	1.91	0.69	2.80	1.54	2.10	2.80	1.84	2.80	0.00	0.0%
62	120	4630	3.49	3.12	1.03	4.46	1.87	3.33	4.46	3.11	4.46	0.00	0.0%
63	120	4625	1.01	0.87	0.34	1.01	0.64	0.82	1.39	0.82	1.39	0.38	37.6%
64	90	4592	6.28	6.34	1.53	6.34	2.58	6.13	7.79	5.87	7.79	1.45	22.9%
65	120	4630	0.53	0.44	0.19	0.68	0.22	0.48	0.73	0.42	0.73	0.05	7.4%
66	180	4667	21.60	20.09	5.26	24.09	5.72	19.10	22.50	22.16	22.50	-1.59	-6.6%
67	120	4630	0.59	0.49	0.22	0.80	0.30	0.57	0.84	0.45	0.84	0.04	5.0%
68	120	4630	0.85	0.72	0.29	1.04	0.66	0.74	1.19	0.67	1.19	0.15	14.4%
69	120	4628	8.11	7.46	2.04	8.12	3.55	7.95	9.33	7.90	9.33	1.21	14.9%
70	180	4667	21.84	20.33	5.28	24.31	5.72	19.17	22.58	22.30	22.58	-1.73	-7.1%
71	15	4413	1.10	1.06	0.15	1.13	1.16	0.89	1.10	0.56	1.16	0.03	2.7%
72	180	4667	28.06	25.79	6.85	31.32	7.74	24.61	29.83	29.80	29.83	-1.49	-4.8%
73	15	4413	1.30	1.28	0.17	1.35	1.34	1.20	1.72	0.94	1.72	0.37	27.4%
74	90	4592	7.13	7.28	1.66	7.24	2.74	7.04	8.52	6.79	8.52	1.28	17.7%
75	15	4413	1.14	1.11	0.16	1.17	1.20	0.92	0.95	0.46	1.20	0.03	2.6%
76	10	4378	4.28	4.18	0.25	4.28	4.41	3.35	3.55	1.92	4.41	0.13	3.0%
77	10	4378	5.54	5.49	0.17	5.55	5.63	4.26	4.78	2.60	5.63	0.08	1.4%
78	360	4660	15.61	16.59	1.96	16.50	11.18	12.59	14.38	17.13	17.13	0.63	3.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
79	15	4413	1.21	1.17	0.17	1.24	1.27	1.08	1.33	0.75	1.33	0.09	7.3%
80	180	4667	28.56	26.14	6.88	31.83	7.74	24.80	29.99	30.29	30.29	-1.54	-4.8%
81	10	4369	1.25	1.21	0.14	1.32	1.32	1.01	1.10	0.54	1.32	0.00	0.0%
82	360	4660	17.48	18.48	2.27	18.24	16.33	16.80	18.01	19.33	19.33	1.09	6.0%
83	90	4593	0.85	0.86	0.08	0.87	0.63	0.87	0.92	0.88	0.92	0.05	5.7%
84	60	4567	1.74	1.61	0.42	1.80	1.23	1.80	2.29	1.39	2.29	0.49	27.2%
85	15	4409	0.83	0.84	0.06	0.86	0.79	0.85	1.10	0.63	1.10	0.24	27.9%
86	120	4630	1.58	1.40	0.48	1.89	1.13	1.38	2.10	1.40	2.10	0.21	11.1%
87	15	4410	0.94	0.94	0.10	0.95	0.94	0.77	0.92	0.45	0.94	-0.01	-1.1%
88	180	4667	29.26	26.93	6.90	32.65	8.08	25.15	30.24	30.94	30.94	-1.71	-5.2%
89	120	4630	0.63	0.53	0.22	0.81	0.58	0.63	0.90	0.47	0.90	0.09	11.1%
90	180	4667	28.80	26.85	6.79	32.42	0.76	22.34	29.37	30.65	30.65	-1.77	-5.5%
91	15	4410	1.04	1.04	0.12	1.05	1.05	0.84	0.98	0.49	1.05	0.00	0.0%
92	90	4593	2.89	2.91	0.61	2.93	1.38	3.02	3.46	2.65	3.46	0.53	18.1%
93	120	4628	2.05	1.92	0.46	2.07	1.41	2.04	2.41	2.02	2.41	0.34	16.4%
94	180	4667	28.99	27.19	6.76	32.55	0.90	22.36	29.40	30.76	30.76	-1.79	-5.5%
95	10	4369	1.39	1.34	0.15	1.47	1.47	1.12	1.13	0.54	1.47	0.00	0.0%
96	10	4369	1.60	1.54	0.17	1.68	1.68	1.29	1.26	0.61	1.68	0.00	0.0%
97	10	4369	1.43	1.38	0.15	1.51	1.51	1.15	1.31	0.64	1.51	0.00	0.0%
98	270	4705	21.06	20.90	0.51	22.50	20.90	20.90	20.90	20.90	20.90	-1.60	-7.1%
99	10	4370	1.28	1.27	0.01	1.30	1.27	1.07	1.27	0.67	1.27	-0.03	-2.3%
100	180	4667	30.41	28.65	6.95	34.22	2.02	22.76	30.19	32.42	32.42	-1.80	-5.3%
101	15	4381	1.10	1.10	0.09	1.11	1.11	0.93	1.09	0.55	1.11	0.00	0.0%
102	120	4628	4.07	3.84	0.89	4.14	0.45	3.69	4.66	4.28	4.66	0.52	12.6%
103	15	4413	3.30	3.21	0.45	3.40	3.45	2.62	2.59	1.26	3.45	0.05	1.5%
104	15	4413	3.98	3.89	0.52	4.13	4.13	3.17	3.14	1.57	4.13	0.00	0.0%
105	10	4369	1.11	1.07	0.12	1.17	1.17	0.90	0.94	0.45	1.17	0.00	0.0%
106	60	4565	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
107	10	4372	1.36	1.36	0.03	1.36	1.33	1.22	1.38	0.75	1.38	0.02	1.5%
108	120	4628	4.40	4.23	0.86	4.54	1.32	3.78	4.81	4.84	4.84	0.30	6.6%
109	10	4369	1.14	1.10	0.12	1.21	1.21	0.92	1.06	0.53	1.21	0.00	0.0%
110	1440	4680	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	10	4369	1.35	1.31	0.10	1.40	1.40	1.10	1.26	0.69	1.40	0.00	0.0%
112	180	4667	30.97	29.63	6.82	34.57	3.80	22.78	30.22	32.67	32.67	-1.90	-5.5%
113	120	4621	0.90	0.77	0.29	1.17	0.76	0.88	1.17	0.72	1.17	0.00	0.0%
114	60	4567	1.23	1.13	0.35	1.30	0.33	1.30	1.57	0.90	1.57	0.27	20.8%
115	15	4410	1.04	1.03	0.12	1.05	1.06	0.84	1.15	0.59	1.15	0.10	9.5%
116	10	4378	9.07	8.86	0.73	9.13	9.48	7.59	7.85	4.55	9.48	0.35	3.8%
117	10	4378	23.68	23.58	0.37	23.72	23.89	21.20	21.63	22.34	23.89	0.17	0.7%
118	180	4667	31.23	30.09	6.77	34.71	5.04	22.79	30.24	32.77	32.77	-1.94	-5.6%
119	10	4376	1.75	1.76	0.07	1.77	1.68	1.56	1.70	0.90	1.70	-0.07	-4.0%
120	60	4567	3.21	2.97	0.54	3.54	2.77	3.54	3.90	2.48	3.90	0.36	10.2%
121	60	4567	5.46	5.16	0.96	6.17	4.18	6.17	6.36	4.30	6.36	0.19	3.1%
122	360	4678	5.42	5.67	1.09	5.61	0.84	3.72	5.09	6.19	6.19	0.58	10.3%
123	15	4413	9.31	9.04	1.22	9.32	9.55	8.93	8.72	5.62	9.55	0.23	2.5%
124	45	4478	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
125	15	4410	1.69	1.67	0.20	1.69	1.71	1.42	1.56	0.80	1.71	0.02	1.2%
126	360	4730	49.32	48.75	7.44	53.40	25.93	33.79	42.02	53.40	53.40	0.00	0.0%
127	10	4378	2.02	1.98	0.13	2.03	2.09	1.94	2.26	1.29	2.26	0.23	11.3%
128	60	4567	3.99	3.74	0.85	4.10	3.24	4.10	5.31	3.30	5.31	1.21	29.5%
129	10	4369	1.73	1.71	0.06	1.76	1.76	1.58	1.96	1.09	1.96	0.20	11.4%
130	360	4731	53.83	54.86	7.76	54.77	29.32	36.45	42.24	58.76	58.76	3.99	7.3%
131	15	4381	3.44	3.43	0.24	3.46	3.45	3.08	3.52	1.99	3.52	0.06	1.7%
132	360	4725	8.72	8.79	1.74	9.16	4.05	7.64	9.11	10.25	10.25	1.09	11.9%
133	10	4369	2.66	2.61	0.19	2.74	2.74	2.24	2.68	1.38	2.74	0.00	0.0%
134	360	4678	9.96	9.73	1.97	10.75	4.07	9.82	10.01	12.03	12.03	1.28	11.9%
135	15	4410	1.91	1.90	0.21	1.92	1.92	1.49	1.69	0.85	1.92	0.00	0.0%
136	15	4408	1.52	1.52	0.09	1.53	1.50	1.43	1.68	0.99	1.68	0.15	9.8%
137	10	4373	1.20	1.18	0.03	1.22	1.19	1.03	1.16	0.61	1.19	-0.03	-2.5%
138	360	4725	11.16	10.99	2.14	11.36	7.01	11.38	12.02	13.49	13.49	2.13	18.8%
139	60	4567	8.70	8.03	1.61	8.90	8.21	8.90	11.24	7.30	11.24	2.34	26.3%
140	15	4413	0.94	0.92	0.12	0.98	0.96	0.74	0.89	0.44	0.96	-0.02	-2.0%
141	360	4725	11.68	11.60	2.21	12.15	8.34	12.02	12.78	14.13	14.13	1.98	16.3%
142	15	4410	0.60	0.60	0.07	0.60	0.61	0.50	0.54	0.26	0.61	0.01	1.7%
143	360	4678	12.39	12.54	2.26	13.26	8.99	13.21	13.48	14.90	14.90	1.64	12.4%
144	360	4678	12.84	13.04	2.30	13.68	9.00	13.89	13.97	15.52	15.52	1.84	13.5%
145	360	4731	54.88	56.25	7.83	56.01	31.40	38.68	42.28	59.71	59.71	3.70	6.6%
146	10	4374	2.69	2.68	0.07	2.71	2.64	2.30	2.80	1.51	2.80	0.09	3.3%
147	15	4413	3.18	3.20	0.25	3.32	2.88	2.73	2.80	1.54	2.88	-0.44	-13.3%
148	10	4378	1.01	0.99	0.07	1.01	1.04	0.85	0.93	0.51	1.04	0.03	3.0%
149	10	4369	2.16	2.10	0.13	2.20	2.20	1.78	2.15	1.14	2.20	0.00	0.0%
150	10	4369	3.48	3.43	0.15	3.52	3.52	3.06	3.42	1.88	3.52	0.00	0.0%
151	15	4409	5.99	6.07	0.35	6.00	5.61	5.47	5.86	3.43	5.86	-0.14	-2.3%
152	15	4416	0.85	0.85	0.07	0.85	0.81	0.75	0.87	0.44	0.87	0.02	2.4%
153	360	4660	2.39	2.40	0.09	2.40	2.05	2.19	2.17	2.42	2.42	0.02	0.8%
154	10	4378	4.29	4.25	0.16	4.31	4.39	3.32	3.07	1.58	4.39	0.08	1.9%
155	360	4731	67.55	70.40	9.78	70.03	37.87	53.54	52.72	75.22	75.22	5.19	7.4%
156	10	4369	1.49	1.45	0.11	1.54	1.54	1.19	1.04	0.53	1.54	0.00	0.0%
157	10	4378	2.82	2.81	0.03	2.82	2.84	2.13	1.99	1.05	2.84	0.02	0.7%
158	10	4378	1.22	1.21	0.02	1.22	1.23	1.15	1.32	0.80	1.32	0.10	8.2%
159	360	4731	68.25	70.97	9.77	70.26	39.97	54.82	53.09	75.65	75.65	5.39	7.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
160	10	4369	2.19	2.17	0.05	2.19	2.19	1.84	2.08	1.08	2.19	0.00	0.0%
161	10	4369	2.76	2.72	0.07	2.79	2.79	2.37	2.62	1.48	2.79	0.00	0.0%
162	15	4412	9.46	9.53	0.59	9.49	9.11	8.96	9.23	5.70	9.23	-0.26	-2.7%
163	360	4731	68.57	71.29	9.77	70.49	40.60	55.44	53.43	75.91	75.91	5.42	7.7%
164	15	4415	1.28	1.29	0.11	1.28	1.30	1.10	1.22	0.63	1.30	0.02	1.6%
165	60	4567	8.57	8.17	1.22	9.27	6.25	9.27	9.32	6.93	9.32	0.05	0.5%
166	60	4567	4.97	4.67	0.97	5.38	4.40	5.38	5.57	3.41	5.57	0.19	3.5%
167	60	4567	8.41	7.97	1.24	9.05	6.25	9.05	9.20	6.74	9.20	0.15	1.7%
168	15	4381	0.90	0.90	0.09	0.91	0.89	0.77	1.01	0.52	1.01	0.10	11.0%
169	10	4373	1.04	1.02	0.05	1.05	1.06	1.00	1.15	0.58	1.15	0.10	9.5%
170	10	4377	1.84	1.82	0.05	1.85	1.79	1.78	2.14	1.10	2.14	0.29	15.7%
171	60	4567	9.51	9.14	1.32	10.44	6.25	10.44	10.35	7.70	10.44	0.00	0.0%
172	60	4567	1.12	1.04	0.25	1.17	0.14	1.17	1.40	0.91	1.40	0.23	19.7%
173	60	4567	1.60	1.47	0.40	1.73	1.60	1.73	2.00	1.11	2.00	0.27	15.6%
174	360	4731	71.92	75.53	10.11	74.51	48.60	61.65	59.11	79.96	79.96	5.45	7.3%
175	60	4567	2.95	2.76	0.65	3.11	1.67	3.11	3.78	2.46	3.78	0.67	21.5%
176	120	4630	0.85	0.72	0.29	1.09	0.70	0.81	1.17	0.66	1.17	0.08	7.3%
177	60	4567	1.13	1.05	0.29	1.17	0.16	1.17	1.48	0.88	1.48	0.31	26.5%
178	60	4567	1.95	1.83	0.45	2.00	0.85	2.00	2.58	1.56	2.58	0.58	29.0%
179	15	4381	3.40	3.46	0.28	3.45	3.28	3.02	3.23	1.83	3.28	-0.17	-4.9%
180	15	4410	1.00	1.00	0.11	1.01	1.00	0.87	1.01	0.51	1.01	0.00	0.0%
181	360	4731	73.26	77.30	10.23	76.34	49.21	64.21	61.49	81.46	81.46	5.12	6.7%
182	15	4413	1.20	1.17	0.15	1.24	1.24	0.97	1.15	0.58	1.24	0.00	0.0%
183	10	4369	2.69	2.69	0.00	2.69	2.69	2.49	3.02	1.83	3.02	0.33	12.3%
184	10	4369	0.77	0.74	0.08	0.81	0.81	0.62	0.65	0.32	0.81	0.00	0.0%
185	15	4414	4.40	4.43	0.22	4.42	4.23	4.61	5.25	3.21	5.25	0.83	18.8%
186	60	4567	0.96	0.88	0.26	1.02	0.11	1.02	1.17	0.69	1.17	0.15	14.7%
187	60	4567	1.06	1.00	0.27	1.13	0.24	1.13	1.33	0.82	1.33	0.20	17.7%
188	60	4567	0.89	0.83	0.22	0.95	0.07	0.95	1.10	0.68	1.10	0.15	15.8%
189	60	4567	2.17	2.02	0.52	2.30	0.35	2.30	2.62	1.69	2.62	0.32	13.9%
190	10	4378	1.04	1.03	0.03	1.04	1.06	0.95	0.97	0.53	1.06	0.02	1.9%
191	360	4731	73.43	77.48	10.22	76.46	49.21	64.47	61.59	81.55	81.55	5.09	6.7%
192	60	4567	5.83	5.42	0.93	6.43	5.23	6.43	6.64	4.54	6.64	0.21	3.3%
193	60	4565	11.65	11.63	1.41	11.69	6.25	13.29	12.37	9.78	13.29	1.60	13.7%
194	10	4373	1.14	1.14	0.00	1.14	1.14	1.07	1.07	0.60	1.14	0.00	0.0%
195	10	4369	5.60	5.51	0.19	5.69	5.69	4.87	4.43	2.54	5.69	0.00	0.0%
196	10	4372	1.27	1.27	0.02	1.27	1.25	1.03	1.24	0.67	1.25	-0.02	-1.6%
197	60	4565	17.48	17.24	2.36	17.49	10.45	19.98	19.23	14.53	19.98	2.49	14.2%
198	15	4412	6.54	6.58	0.48	6.64	6.35	6.26	5.49	3.47	6.35	-0.29	-4.4%
199	360	4731	73.65	77.70	10.21	76.59	49.21	64.76	61.69	81.66	81.66	5.07	6.6%
200	60	4567	0.68	0.62	0.19	0.71	0.17	0.71	0.89	0.49	0.89	0.18	25.4%
201	60	4565	18.08	17.97	2.40	18.16	10.90	20.72	19.73	15.18	20.72	2.56	14.1%
202	60	4567	5.31	4.95	1.07	5.61	4.09	5.61	6.15	4.08	6.15	0.54	9.6%
203	60	4565	18.42	18.45	2.42	18.62	10.90	21.14	20.00	15.59	21.14	2.52	13.5%
204	90	4593	4.84	5.01	1.09	5.22	0.40	4.91	5.74	4.36	5.74	0.52	10.0%
205	360	4731	74.93	78.74	10.22	77.67	49.33	66.70	62.31	82.77	82.77	5.10	6.6%
206	60	4573	0.75	0.69	0.20	0.94	0.72	0.75	1.04	0.55	1.04	0.10	10.6%
207	60	4565	23.69	23.39	3.47	23.87	14.30	26.89	26.07	20.01	26.89	3.02	12.7%
208	60	4567	1.08	1.01	0.25	1.16	0.50	1.16	1.29	0.84	1.29	0.13	11.2%
209	360	4731	77.76	81.84	10.65	81.64	49.70	71.62	67.08	86.69	86.69	5.05	6.2%
210	10	4369	0.91	0.90	0.02	0.92	0.92	0.81	0.94	0.48	0.94	0.02	2.2%
211	360	4731	78.16	82.24	10.69	82.14	49.70	72.07	67.30	87.16	87.16	5.02	6.1%
212	10	4378	1.80	1.78	0.09	1.81	1.85	1.44	1.34	0.73	1.85	0.04	2.2%
213	60	4568	24.66	25.02	3.33	24.71	14.30	27.99	26.47	21.83	27.99	3.28	13.3%
214	60	4567	1.62	1.58	0.42	1.78	1.27	1.78	1.85	1.11	1.85	0.07	3.9%
215	360	4731	78.30	82.33	10.68	82.24	49.70	72.16	67.33	87.24	87.24	5.00	6.1%
216	60	4568	24.89	25.46	3.27	25.17	14.30	28.20	26.52	22.50	28.20	3.03	12.0%
217	360	4725	78.97	83.12	10.76	82.86	49.74	72.90	67.69	88.15	88.15	5.29	6.4%
218	1440	4831	0.12	0.12	0.02	0.13	0.00	0.02	0.03	0.08	0.08	-0.05	-38.5%
219	60	4567	1.55	1.51	0.42	1.70	1.27	1.70	1.78	1.00	1.78	0.08	4.7%
220	10	4369	1.12	1.07	0.12	1.18	1.18	0.90	0.96	0.47	1.18	0.00	0.0%
221	15	4413	1.92	1.86	0.26	1.97	2.02	1.54	1.62	0.81	2.02	0.05	2.5%
222	10	4378	5.11	5.02	0.34	5.14	5.30	4.04	4.27	2.58	5.30	0.16	3.1%
223	15	4413	4.47	4.51	0.22	4.48	3.75	4.23	4.31	2.69	4.31	-0.17	-3.8%
224	15	4408	1.65	1.66	0.14	1.65	1.56	1.35	1.61	0.85	1.61	-0.04	-2.4%
225	10	4378	2.13	2.05	0.19	2.13	2.23	1.71	1.84	0.99	2.23	0.10	4.7%
226	15	4381	1.33	1.34	0.11	1.35	1.35	1.05	1.31	0.67	1.35	0.00	0.0%
227	10	4369	3.71	3.63	0.26	3.83	3.83	2.99	3.46	1.86	3.83	0.00	0.0%
228	15	4381	0.89	0.88	0.11	0.93	0.91	0.70	0.88	0.45	0.91	-0.02	-2.2%
229	10	4378	4.89	4.81	0.23	4.90	5.02	4.01	4.55	2.53	5.02	0.12	2.4%
230	10	4378	2.36	2.31	0.15	2.37	2.44	1.86	2.07	1.16	2.44	0.07	3.0%
231	15	4381	9.52	9.36	0.92	10.24	8.94	9.62	9.43	6.68	9.62	-0.62	-6.1%
232	60	4567	0.84	0.77	0.23	0.89	0.50	0.89	1.08	0.61	1.08	0.19	21.3%
233	30	4511	15.76	15.67	0.49	15.89	11.47	18.99	16.24	12.94	18.99	3.10	19.5%
234	360	4729	0.29	0.29	0.05	0.29	0.01	0.25	0.34	0.31	0.34	0.05	17.2%
235	360	4725	96.91	102.68	13.39	101.55	61.70	100.79	93.44	110.91	110.91	9.36	9.2%
236	15	4413	0.72	0.69	0.10	0.74	0.75	0.58	0.62	0.31	0.75	0.01	1.4%
237	30	4509	16.50	16.47	0.43	16.61	11.47	19.93	16.82	13.70	19.93	3.32	20.0%
238	60	4567	1.65	1.53	0.41	1.71	0.47	1.71	2.14	1.32	2.14	0.43	25.1%
239	360	4729	0.29	0.29	0.05	0.29	0.01	0.25	0.34	0.31	0.34	0.05	17.2%
240	10	4369	1.59	1.53	0.17	1.68	1.68	1.28	1.09	0.50	1.68	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
241	15	4411	10.95	10.69	0.84	11.08	9.94	12.10	11.12	8.38	12.10	1.02	9.2%
242	15	4412	6.44	6.39	0.35	6.46	5.84	6.06	5.91	3.88	6.06	-0.40	-6.2%
243	25	4473	11.56	11.42	0.73	11.65	9.94	13.22	11.27	9.19	13.22	1.57	13.5%
244	60	4567	1.11	1.06	0.29	1.20	0.90	1.20	1.40	0.79	1.40	0.20	16.7%
245	360	4725	97.76	103.47	13.31	102.39	61.71	101.24	93.78	111.67	111.67	9.28	9.1%
246	10	4369	1.39	1.33	0.15	1.46	1.46	1.12	0.99	0.48	1.46	0.00	0.0%
247	15	4413	2.57	2.50	0.35	2.65	2.70	2.05	1.78	0.78	2.70	0.05	1.9%
248	15	4413	1.38	1.34	0.19	1.42	1.44	1.10	1.06	0.52	1.44	0.02	1.4%
249	15	4413	5.04	4.93	0.66	5.23	5.24	4.00	3.49	1.62	5.24	0.01	0.2%
250	45	4538	17.03	17.21	1.14	17.54	11.47	20.66	17.23	14.67	20.66	3.12	17.8%
251	360	4725	98.05	103.70	13.25	102.78	61.71	101.32	93.82	111.84	111.84	9.06	8.8%
252	15	4413	2.95	2.87	0.40	3.04	3.09	2.35	2.03	0.92	3.09	0.05	1.6%
253	15	4411	8.64	8.14	1.12	8.73	8.52	8.66	7.27	5.12	8.66	-0.07	-0.8%
254	10	4378	1.35	1.32	0.09	1.36	1.40	1.37	1.52	0.90	1.52	0.16	11.8%
255	360	4660	108.26	115.28	14.68	114.65	70.56	113.77	105.34	123.47	123.47	8.82	7.7%
256	10	4378	6.78	6.57	0.60	6.80	7.10	5.42	4.77	2.38	7.10	0.30	4.4%
257	25	4470	8.84	8.73	0.84	8.89	8.52	9.87	7.34	5.97	9.87	0.98	11.0%
258	45	4539	12.17	12.03	0.75	12.25	10.79	13.22	9.88	8.81	13.22	0.97	7.9%
259	360	4660	108.85	115.60	14.65	115.21	70.56	113.88	105.39	123.95	123.95	8.74	7.6%
260	10	4376	2.73	2.75	0.11	2.75	2.59	2.11	2.44	1.31	2.59	-0.16	-5.8%
261	15	4410	2.95	2.96	0.26	3.06	3.00	2.62	2.92	1.82	3.00	-0.06	-2.0%
262	15	4408	5.58	5.64	0.36	5.69	5.55	5.12	5.32	3.50	5.55	-0.14	-2.5%
263	360	4660	113.75	120.32	15.10	120.03	70.56	117.58	107.74	129.13	129.13	9.10	7.6%
264	60	4567	0.73	0.67	0.20	0.74	0.70	0.74	1.01	0.53	1.01	0.27	36.5%
265	120	4630	1.42	1.20	0.49	1.84	0.65	1.32	1.96	1.15	1.96	0.12	6.5%
266	120	4630	0.87	0.72	0.31	1.15	0.47	0.83	1.22	0.67	1.22	0.07	6.1%
267	120	4621	2.23	1.93	0.68	2.87	1.94	2.07	2.87	1.85	2.87	0.00	0.0%
268	120	4621	0.69	0.57	0.25	0.95	0.05	0.70	0.95	0.54	0.95	0.00	0.0%
269	120	4630	1.36	1.14	0.49	1.79	0.38	1.27	1.89	1.08	1.89	0.10	5.6%
270	120	4630	0.79	0.66	0.28	1.07	0.30	0.79	1.09	0.62	1.09	0.02	1.9%
271	120	4630	3.25	2.81	1.06	4.28	2.31	3.16	4.31	2.70	4.31	0.03	0.7%
272	120	4625	1.64	1.46	0.49	1.70	0.26	1.37	2.13	1.49	2.13	0.43	25.3%
273	120	4630	2.01	1.75	0.64	2.62	0.76	1.94	2.67	1.70	2.67	0.05	1.9%
274	60	4567	0.79	0.73	0.21	0.80	0.04	0.80	1.08	0.61	1.08	0.28	35.0%
275	120	4630	3.12	2.61	1.11	4.12	1.22	3.01	4.23	2.51	4.23	0.11	2.7%
276	60	4475	0.31	0.30	0.10	0.32	0.25	0.34	0.38	0.18	0.38	0.06	18.8%
277	120	4630	3.93	3.29	1.39	5.25	1.26	3.81	5.35	3.16	5.35	0.10	1.9%
278	120	4630	2.41	2.07	0.78	3.05	1.76	2.31	3.21	2.03	3.21	0.16	5.2%
279	120	4630	4.25	3.60	1.45	5.65	1.57	4.13	5.73	3.49	5.73	0.08	1.4%
280	120	4625	1.13	1.00	0.33	1.18	0.31	0.92	1.48	1.02	1.48	0.30	25.4%
281	120	4630	3.93	3.51	1.16	4.92	1.02	3.63	5.07	3.55	5.07	0.15	3.0%
282	120	4630	1.31	1.10	0.47	1.69	0.59	1.19	1.82	1.03	1.82	0.13	7.7%
283	90	4593	3.31	3.35	0.79	3.40	1.15	3.26	4.05	3.05	4.05	0.65	19.1%
284	120	4630	1.85	1.57	0.63	2.32	1.29	1.67	2.53	1.50	2.53	0.21	9.1%
285	120	4630	0.69	0.57	0.25	0.94	0.20	0.67	0.96	0.53	0.96	0.02	2.1%
286	120	4621	3.98	3.43	1.27	5.25	2.46	3.99	5.25	3.37	5.25	0.00	0.0%
287	120	4625	4.13	3.80	1.10	4.39	1.26	4.02	4.82	4.01	4.82	0.43	9.8%
288	120	4621	10.70	9.71	2.89	13.03	3.40	10.53	13.03	10.30	13.03	0.00	0.0%
289	120	4625	1.36	1.20	0.41	1.46	0.20	1.14	1.77	1.23	1.77	0.31	21.2%
290	120	4625	0.91	0.80	0.26	0.98	0.23	0.74	1.17	0.82	1.17	0.19	19.4%
291	120	4630	1.33	1.14	0.45	1.65	0.25	1.18	1.80	1.12	1.80	0.15	9.1%
292	120	4628	11.97	11.01	3.12	12.06	3.40	11.62	14.18	11.85	14.18	2.12	17.6%
293	120	4625	4.66	4.31	1.18	5.03	1.47	4.44	5.43	4.55	5.43	0.40	8.0%
294	120	4621	7.55	6.65	2.34	9.75	3.42	7.38	9.75	6.60	9.75	0.00	0.0%
295	360	4660	12.10	12.47	1.86	12.29	4.36	10.60	11.60	13.64	13.64	1.35	11.0%
296	10	4378	22.01	21.97	0.16	22.03	22.10	20.99	21.15	21.22	22.10	0.07	0.3%
297	10	4378	22.38	22.33	0.21	22.40	22.50	21.03	21.27	21.69	22.50	0.10	0.4%
298	10	4378	8.86	8.63	0.74	8.91	9.27	7.10	7.27	3.99	9.27	0.36	4.0%
299	90	4593	0.85	0.86	0.08	0.87	0.62	0.87	0.91	0.87	0.91	0.04	4.6%
300	60	4567	1.41	1.30	0.37	1.46	0.78	1.46	1.86	1.10	1.86	0.40	27.4%
301	60	4567	2.59	2.39	0.64	2.69	1.43	2.69	3.39	2.03	3.39	0.70	26.0%
302	60	4567	6.57	6.06	1.34	6.78	5.69	6.78	8.28	5.33	8.28	1.50	22.1%
303	60	4567	2.34	2.13	0.48	2.47	2.19	2.47	2.83	1.73	2.83	0.36	14.6%
304	10	4369	1.92	1.92	0.00	1.93	1.93	1.84	2.08	1.13	2.08	0.15	7.8%
305	60	4567	5.10	4.78	0.92	5.76	4.50	5.76	6.06	3.85	6.06	0.30	5.2%
306	60	4567	3.53	3.30	0.80	3.77	0.38	3.77	4.34	2.84	4.34	0.57	15.1%
307	1440	4831	0.04	0.04	0.01	0.05	0.00	0.01	0.01	0.03	0.03	-0.02	-40.0%
308	25	4473	11.45	11.31	0.73	11.55	9.94	12.89	11.23	9.00	12.89	1.34	11.6%
309	15	4413	6.34	6.28	0.33	6.37	5.84	5.80	5.84	3.75	5.84	-0.53	-8.3%
310	360	4660	108.78	115.56	14.65	115.14	70.56	113.86	105.38	123.87	123.87	8.73	7.6%
311	45	4538	11.51	11.38	0.63	11.58	10.68	12.03	9.66	8.25	12.03	0.45	3.9%
312	10	4376	2.58	2.59	0.11	2.60	2.46	1.98	2.35	1.23	2.46	-0.14	-5.4%
313	10	4378	2.30	2.25	0.15	2.31	2.39	1.82	2.05	1.13	2.39	0.08	3.5%
314	15	4413	9.43	9.26	0.89	9.45	8.94	9.32	9.32	6.44	9.32	-0.13	-1.4%
315	15	4413	4.09	4.03	0.51	4.27	4.21	3.24	3.65	1.86	4.21	-0.06	-1.4%
316	10	4378	2.98	2.94	0.13	2.99	3.05	2.41	2.66	1.50	3.05	0.06	2.0%
317	60	4565	11.52	11.46	1.41	11.52	6.25	13.10	12.23	9.65	13.10	1.58	13.7%
318	60	4567	5.80	5.38	0.92	6.37	5.23	6.37	6.59	4.50	6.59	0.22	3.5%
319	360	4672	2.72	2.67	0.37	2.83	2.12	2.27	2.24	3.06	3.06	0.23	8.1%
320	360	4660	2.78	2.97	0.42	2.95	2.04	2.17	2.15	2.98	2.98	0.03	1.0%
321	360	4672	2.86	3.09	0.42	3.04	2.06	2.20	2.17	3.16	3.16	0.12	3.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
322	360	4672	3.01	3.11	0.33	3.03	2.14	2.30	2.27	3.16	3.16	0.13	4.3%
323	360	4696	2.88	2.99	0.23	2.96	2.07	2.30	2.28	2.98	2.98	0.02	0.7%
324	360	4696	2.92	2.99	0.16	2.95	2.26	2.83	2.81	3.00	3.00	0.05	1.7%
325	60	4567	8.55	7.93	1.58	8.86	4.56	8.86	10.92	7.24	10.92	2.06	23.3%
326	60	4567	7.00	6.49	1.35	7.22	5.98	7.22	8.73	5.83	8.73	1.51	20.9%
327	15	4381	1.83	1.80	0.22	1.91	1.87	1.44	1.62	0.80	1.87	-0.04	-2.1%
328	10	4369	1.43	1.39	0.10	1.48	1.48	1.27	1.54	0.82	1.54	0.06	4.1%
329	60	4567	0.34	0.31	0.10	0.35	0.11	0.35	0.46	0.24	0.46	0.11	31.4%
330	90	4592	4.54	4.68	1.09	4.54	0.38	4.71	5.41	4.00	5.41	0.87	19.2%
331	10	4369	5.57	5.47	0.18	5.64	5.64	4.37	4.16	2.20	5.64	0.00	0.0%
332	10	4379	2.97	2.94	0.09	2.99	2.88	2.45	2.86	1.49	2.88	-0.11	-3.7%
333	10	4369	1.10	1.05	0.12	1.15	1.15	0.89	0.93	0.46	1.15	0.00	0.0%
334	60	4567	6.08	5.64	1.30	6.28	5.57	6.28	7.77	4.86	7.77	1.49	23.7%
335	15	4413	0.93	0.92	0.12	0.97	0.96	0.77	0.98	0.49	0.98	0.01	1.0%
336	15	4416	2.00	2.01	0.17	2.01	1.96	1.59	1.97	1.01	1.97	-0.04	-2.0%
337	15	4381	1.30	1.29	0.13	1.31	1.28	1.00	1.19	0.59	1.28	-0.03	-2.3%
338	15	4410	1.49	1.47	0.18	1.49	1.53	1.18	1.38	0.69	1.53	0.04	2.7%
339	15	4413	2.78	2.70	0.38	2.86	2.90	2.22	2.28	1.13	2.90	0.04	1.4%
340	15	4410	2.03	2.02	0.23	2.04	2.03	1.63	2.33	1.24	2.33	0.29	14.2%
341	120	4630	0.82	0.69	0.29	1.04	0.62	0.74	1.16	0.64	1.16	0.12	11.5%
342	360	4731	12.63	12.97	1.82	12.92	4.65	10.73	11.71	13.99	13.99	1.07	8.3%
343	10	4378	8.98	8.77	0.74	9.04	9.39	7.19	7.47	4.17	9.39	0.35	3.9%
344	10	4378	2.64	2.64	0.01	2.64	2.64	2.32	2.87	1.70	2.87	0.23	8.7%
345	15	4410	0.66	0.66	0.07	0.66	0.66	0.56	0.78	0.40	0.78	0.12	18.2%
346	10	4369	0.71	0.68	0.08	0.74	0.74	0.57	0.64	0.32	0.74	0.00	0.0%
347	15	4410	0.91	0.90	0.10	0.91	0.91	0.75	0.91	0.45	0.91	0.00	0.0%
348	60	4567	5.15	4.69	0.94	5.47	4.78	5.47	6.12	3.88	6.12	0.65	11.9%
349	60	4567	5.06	4.69	1.05	5.33	4.09	5.33	5.95	3.81	5.95	0.62	11.6%
350	15	4413	1.89	1.86	0.23	1.97	1.94	1.50	1.65	0.83	1.94	-0.03	-1.5%
351	60	4565	24.00	23.83	3.45	24.33	14.30	27.24	26.27	20.53	27.24	2.91	12.0%
352	10	4378	2.72	2.69	0.09	2.72	2.76	2.38	2.25	1.25	2.76	0.04	1.5%
353	15	4381	3.55	3.54	0.36	3.56	3.49	2.70	2.58	1.24	3.49	-0.07	-2.0%
354	60	4567	0.66	0.61	0.19	0.69	0.31	0.69	0.85	0.46	0.85	0.16	23.2%
355	30	4511	16.67	16.69	0.41	16.79	11.47	20.25	16.94	14.03	20.25	3.46	20.6%
356	30	4511	16.85	16.89	0.40	16.96	11.47	20.48	17.11	14.36	20.48	3.52	20.8%
357	15	4416	0.84	0.84	0.07	0.84	0.81	0.74	0.94	0.50	0.94	0.10	11.9%
358	15	4411	8.48	8.11	1.13	8.49	8.52	7.75	7.16	4.62	8.52	0.03	0.4%
359	10	4378	7.71	7.49	0.67	7.74	8.07	6.15	6.51	3.73	8.07	0.33	4.3%
360	15	4411	8.64	8.14	1.12	8.73	8.52	8.26	7.24	4.89	8.52	-0.21	-2.4%
361	90	4592	4.02	4.12	0.75	4.07	0.54	4.20	4.62	4.03	4.62	0.55	13.5%
362	15	4410	1.22	1.21	0.14	1.22	1.23	1.02	1.30	0.66	1.30	0.08	6.6%
363	15	4410	0.82	0.82	0.09	0.83	0.83	0.65	0.87	0.44	0.87	0.04	4.8%
364	10	4369	0.93	0.89	0.10	0.98	0.98	0.75	0.85	0.43	0.98	0.00	0.0%
365	15	4410	0.81	0.81	0.08	0.82	0.80	0.83	1.07	0.55	1.07	0.25	30.5%
366	15	4410	1.05	1.04	0.13	1.05	1.07	0.83	0.94	0.47	1.07	0.02	1.9%
367	60	4567	3.51	3.39	0.37	3.53	3.06	3.53	4.00	3.20	4.00	0.47	13.3%
368	15	4410	0.87	0.87	0.10	0.88	0.88	0.70	0.81	0.39	0.88	0.00	0.0%
369	10	4379	2.31	2.31	0.05	2.32	2.28	2.03	2.59	1.44	2.59	0.27	11.6%
370	15	4410	1.37	1.36	0.13	1.39	1.34	1.16	1.49	0.79	1.49	0.10	7.2%
371	10	4369	1.16	1.12	0.12	1.22	1.22	0.93	1.02	0.51	1.22	0.00	0.0%
372	10	4369	0.93	0.89	0.10	0.98	0.98	0.75	0.90	0.45	0.98	0.00	0.0%
373	10	4369	2.02	2.00	0.06	2.03	2.03	1.71	1.96	1.01	2.03	0.00	0.0%
374	15	4410	0.77	0.77	0.09	0.78	0.78	0.63	0.60	0.28	0.78	0.00	0.0%
375	120	4630	1.51	1.27	0.54	1.96	0.50	1.38	2.09	1.21	2.09	0.13	6.6%
376	120	4630	1.12	0.93	0.41	1.50	0.66	1.10	1.59	0.86	1.59	0.09	6.0%
377	15	4413	9.31	9.04	1.22	9.32	9.55	8.69	8.63	5.46	9.55	0.23	2.5%
378	360	4731	67.38	70.25	9.79	69.97	37.84	53.23	52.61	75.12	75.12	5.15	7.4%
379	10	4369	0.53	0.51	0.06	0.56	0.56	0.43	0.46	0.22	0.56	0.00	0.0%
380	15	4408	3.99	4.06	0.18	4.06	3.75	3.56	3.92	2.27	3.92	-0.14	-3.4%
381	120	4630	0.54	0.45	0.19	0.70	0.33	0.52	0.75	0.41	0.75	0.05	7.1%
382	15	4381	0.90	0.89	0.09	0.91	0.89	0.83	1.12	0.61	1.12	0.21	23.1%
383	60	4567	0.17	0.17	0.06	0.19	0.09	0.19	0.22	0.11	0.22	0.03	15.8%
384	60	4569	10.87	10.64	1.42	11.91	6.25	12.18	11.66	8.92	12.18	0.27	2.3%
385	60	4565	23.69	23.38	3.47	23.87	14.30	26.90	26.07	20.00	26.90	3.03	12.7%
386	120	4630	1.36	1.17	0.46	1.63	1.26	1.19	1.91	1.07	1.91	0.28	17.2%
387	120	4630	0.76	0.65	0.26	0.93	0.50	0.64	1.05	0.61	1.05	0.12	12.9%
388	120	4630	3.11	2.60	1.10	4.10	1.22	2.99	4.20	2.50	4.20	0.10	2.4%
389	180	4667	30.83	29.38	6.86	34.50	3.71	22.77	30.22	32.59	32.59	-1.91	-5.5%
390	10	4369	0.23	0.22	0.02	0.24	0.24	0.19	0.20	0.09	0.24	0.00	0.0%
391	10	4374	1.16	1.16	0.05	1.17	1.10	1.15	1.44	0.76	1.44	0.27	23.1%
392	60	4567	0.37	0.35	0.11	0.39	0.31	0.39	0.50	0.26	0.50	0.11	28.2%
393	60	4567	0.19	0.18	0.06	0.20	0.14	0.20	0.24	0.12	0.24	0.04	20.0%
394	10	4369	0.87	0.83	0.09	0.91	0.91	0.70	0.99	0.52	0.99	0.08	8.8%
395	15	4413	1.37	1.35	0.17	1.43	1.42	1.09	1.30	0.64	1.42	-0.01	-0.7%
396	10	4369	0.81	0.78	0.09	0.85	0.85	0.65	0.78	0.39	0.85	0.00	0.0%
397	15	4411	10.95	10.69	0.84	11.08	9.94	12.02	11.10	8.33	12.02	0.94	8.5%
398	10	4369	0.27	0.26	0.03	0.29	0.29	0.22	0.25	0.12	0.29	0.00	0.0%
399	10	4369	0.11	0.11	0.01	0.12	0.12	0.09	0.11	0.05	0.12	0.00	0.0%
400	540	4763	0.24	0.24	0.03	0.24	0.01	0.10	0.15	0.23	0.23	-0.01	-4.2%
401	60	4567	1.37	1.27	0.35	1.41	0.41	1.41	1.85	1.09	1.85	0.44	31.2%
402	10	4369	1.32	1.27	0.14	1.39	1.39	1.06	1.02	0.49	1.39	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
403	10	4369	0.83	0.80	0.09	0.88	0.88	0.67	0.76	0.37	0.88	0.00	0.0%
404	15	4415	5.39	5.41	0.18	5.44	5.24	5.02	5.34	3.12	5.34	-0.10	-1.8%
405	15	4410	2.49	2.47	0.30	2.49	2.53	1.95	2.18	1.10	2.53	0.04	1.6%
406	15	4410	1.72	1.71	0.19	1.73	1.74	1.36	1.57	0.78	1.74	0.01	0.6%
407	180	4667	30.78	29.30	6.87	34.48	3.53	22.77	30.21	32.57	32.57	-1.91	-5.5%
408	360	4678	5.38	5.70	1.13	5.53	3.07	3.99	5.24	6.07	6.07	0.54	9.8%
409	360	4678	5.42	5.67	1.09	5.60	0.84	3.72	5.09	6.18	6.18	0.58	10.4%
410	120	4628	8.75	8.75	1.65	9.00	4.86	7.75	9.35	10.22	10.22	1.22	13.6%
411	120	4630	0.88	0.76	0.30	1.06	0.79	0.77	1.24	0.70	1.24	0.18	17.0%
412	120	4630	1.14	0.96	0.41	1.49	0.37	1.06	1.58	0.90	1.58	0.09	6.0%
413	15	4413	1.06	1.03	0.15	1.09	1.12	0.98	1.47	0.78	1.47	0.38	34.9%
414	15	4413	2.05	1.99	0.28	2.11	2.15	1.65	2.03	1.02	2.15	0.04	1.9%
415	15	4413	2.27	2.20	0.31	2.33	2.37	1.82	2.13	1.10	2.37	0.04	1.7%
416	10	4369	0.60	0.58	0.06	0.63	0.63	0.49	0.54	0.26	0.63	0.00	0.0%
417	15	4410	0.63	0.63	0.07	0.63	0.63	0.53	0.62	0.30	0.63	0.00	0.0%
418	60	4565	0.99	0.93	0.28	1.00	0.87	1.10	1.23	0.67	1.23	0.23	23.0%
419	60	4567	3.40	3.20	0.77	3.51	2.51	3.51	4.45	2.79	4.45	0.94	26.8%
420	360	4678	12.75	12.93	2.29	13.59	9.00	13.74	13.82	15.42	15.42	1.83	13.5%
421	10	4369	0.59	0.57	0.06	0.62	0.62	0.48	0.49	0.24	0.62	0.00	0.0%
422	15	4413	6.34	6.19	0.84	6.56	6.59	5.03	5.29	2.83	6.59	0.03	0.5%
423	15	4413	3.00	2.92	0.41	3.09	3.15	2.40	2.62	1.34	3.15	0.06	1.9%
424	15	4413	2.37	2.30	0.33	2.43	2.49	1.89	2.10	1.07	2.49	0.06	2.5%
425	10	4369	0.63	0.61	0.07	0.67	0.67	0.51	0.43	0.19	0.67	0.00	0.0%
426	60	4567	0.47	0.43	0.13	0.47	0.30	0.47	0.66	0.35	0.66	0.19	40.4%
427	10	4369	0.85	0.81	0.09	0.89	0.89	0.72	0.98	0.50	0.98	0.09	10.1%
428	15	4413	1.25	1.21	0.17	1.28	1.31	1.00	1.02	0.50	1.31	0.03	2.3%
429	120	4621	13.48	12.10	3.85	16.69	4.18	13.28	16.69	12.57	16.69	0.00	0.0%
430	10	4369	0.30	0.29	0.03	0.31	0.31	0.25	0.25	0.12	0.31	0.00	0.0%
431	10	4369	0.90	0.87	0.10	0.95	0.95	0.73	0.78	0.38	0.95	0.00	0.0%
432	10	4369	0.64	0.62	0.07	0.68	0.68	0.52	0.53	0.25	0.68	0.00	0.0%
433	15	4415	1.26	1.26	0.09	1.27	1.22	1.00	1.05	0.52	1.22	-0.05	-3.9%
434	15	4410	0.79	0.79	0.10	0.79	0.81	0.65	0.82	0.41	0.82	0.03	3.8%
435	15	4413	0.45	0.44	0.06	0.46	0.47	0.36	0.39	0.19	0.47	0.01	2.2%
436	90	4592	3.92	4.01	0.75	4.00	0.54	4.00	4.56	3.85	4.56	0.56	14.0%
437	90	4593	3.54	3.59	0.70	3.58	0.81	3.59	4.20	3.37	4.20	0.62	17.3%
438	90	4593	3.42	3.44	0.69	3.43	1.23	3.47	4.08	3.20	4.08	0.65	19.0%
439	90	4592	3.38	3.38	0.68	3.39	1.34	3.42	4.07	3.13	4.07	0.68	20.1%
440	90	4592	2.89	2.90	0.61	2.89	1.38	3.02	3.45	2.64	3.45	0.56	19.4%
441	90	4592	2.85	2.86	0.60	2.86	1.66	2.98	3.42	2.59	3.42	0.56	19.6%
442	60	4567	2.72	2.58	0.47	2.85	2.00	2.85	3.33	2.44	3.33	0.48	16.8%
443	120	4628	4.04	3.81	0.89	4.11	0.47	3.68	4.65	4.22	4.65	0.54	13.1%
444	120	4628	4.07	3.84	0.89	4.14	0.45	3.69	4.66	4.28	4.66	0.52	12.6%
445	60	4567	0.31	0.28	0.09	0.32	0.15	0.32	0.42	0.22	0.42	0.10	31.3%
446	60	4567	0.20	0.19	0.06	0.22	0.11	0.22	0.27	0.14	0.27	0.05	22.7%
447	15	4381	0.96	0.95	0.09	0.96	0.94	0.94	1.23	0.68	1.23	0.27	28.1%
448	120	4630	0.54	0.45	0.19	0.71	0.34	0.52	0.76	0.42	0.76	0.05	7.0%
449	60	4567	0.48	0.45	0.14	0.51	0.32	0.51	0.64	0.34	0.64	0.13	25.5%
450	45	4542	0.04	0.04	0.01	0.05	0.04	0.06	0.05	0.02	0.06	0.01	20.0%
451	60	4475	0.20	0.20	0.06	0.20	0.15	0.22	0.24	0.12	0.24	0.04	20.0%
452	10	4369	0.13	0.12	0.01	0.13	0.13	0.11	0.14	0.07	0.14	0.01	7.7%
453	120	4625	1.50	1.30	0.48	1.53	1.05	1.25	2.04	1.24	2.04	0.51	33.3%
454	10	4369	0.39	0.37	0.04	0.41	0.41	0.33	0.42	0.21	0.42	0.01	2.4%
455	120	4625	1.55	1.36	0.49	1.56	1.13	1.32	2.08	1.31	2.08	0.52	33.3%
456	120	4630	0.06	0.05	0.02	0.08	0.00	0.06	0.08	0.05	0.08	0.00	0.0%
457	10	4369	0.35	0.34	0.04	0.37	0.37	0.35	0.45	0.23	0.45	0.08	21.6%
458	10	4369	0.17	0.16	0.02	0.18	0.18	0.14	0.15	0.07	0.18	0.00	0.0%
459	15	4410	0.50	0.49	0.06	0.50	0.50	0.41	0.48	0.23	0.50	0.00	0.0%
460	15	4410	0.83	0.83	0.09	0.84	0.83	0.68	0.81	0.40	0.83	-0.01	-1.2%
461	15	4416	1.08	1.09	0.09	1.09	1.09	0.91	1.08	0.54	1.09	0.00	0.0%
462	10	4369	0.47	0.45	0.05	0.49	0.49	0.38	0.54	0.28	0.54	0.05	10.2%
463	10	4369	0.19	0.19	0.02	0.21	0.21	0.17	0.20	0.10	0.21	0.00	0.0%
464	15	4413	0.25	0.25	0.03	0.26	0.27	0.23	0.28	0.14	0.28	0.02	7.7%
465	60	4475	0.07	0.07	0.02	0.07	0.02	0.08	0.08	0.04	0.08	0.01	14.3%
466	60	4567	0.23	0.21	0.07	0.24	0.07	0.24	0.30	0.16	0.30	0.06	25.0%
467	60	4567	0.94	0.86	0.27	0.99	0.29	0.99	1.23	0.68	1.23	0.24	24.2%
468	15	4410	0.83	0.82	0.10	0.83	0.84	0.67	0.80	0.39	0.84	0.01	1.2%
469	10	4369	0.54	0.51	0.06	0.56	0.56	0.43	0.48	0.23	0.56	0.00	0.0%
470	10	4369	0.29	0.28	0.03	0.31	0.31	0.24	0.28	0.14	0.31	0.00	0.0%
471	10	4369	0.24	0.23	0.02	0.25	0.25	0.20	0.23	0.11	0.25	0.00	0.0%
472	10	4369	0.18	0.17	0.02	0.19	0.19	0.15	0.17	0.08	0.19	0.00	0.0%
473	15	4413	0.31	0.30	0.04	0.32	0.32	0.25	0.29	0.14	0.32	0.00	0.0%
474	15	4410	1.08	1.08	0.12	1.09	1.09	0.87	1.07	0.54	1.09	0.00	0.0%
475	15	4410	0.93	0.92	0.11	0.93	0.94	0.75	0.91	0.45	0.94	0.01	1.1%
476	10	4369	0.09	0.09	0.01	0.09	0.09	0.08	0.09	0.04	0.09	0.00	0.0%
477	10	4369	0.15	0.14	0.02	0.16	0.16	0.13	0.12	0.06	0.16	0.00	0.0%
478	10	4369	0.29	0.28	0.03	0.31	0.31	0.24	0.27	0.13	0.31	0.00	0.0%
479	15	4413	0.49	0.47	0.06	0.50	0.50	0.39	0.45	0.22	0.50	0.00	0.0%
480	15	4415	1.07	1.07	0.08	1.09	1.07	0.88	1.09	0.54	1.09	0.00	0.0%
481	10	4370	1.28	1.27	0.01	1.30	1.27	1.06	1.27	0.67	1.27	-0.03	-2.3%
482	60	4567	0.02	0.02	0.01	0.03	0.00	0.03	0.03	0.02	0.03	0.00	0.0%
483	60	4567	0.08	0.07	0.02	0.08	0.05	0.08	0.11	0.05	0.11	0.03	37.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
484	60	4567	0.16	0.15	0.04	0.17	0.08	0.17	0.21	0.12	0.21	0.04	23.5%
485	10	4369	0.54	0.52	0.06	0.57	0.57	0.44	0.50	0.24	0.57	0.00	0.0%
486	15	4410	0.50	0.50	0.05	0.50	0.50	0.43	0.53	0.26	0.53	0.03	6.0%
487	10	4369	0.09	0.08	0.01	0.09	0.09	0.09	0.09	0.04	0.09	0.00	0.0%
488	60	4475	0.10	0.10	0.03	0.10	0.10	0.10	0.12	0.06	0.12	0.02	20.0%
489	15	4410	1.04	1.03	0.12	1.04	1.06	0.83	1.13	0.58	1.13	0.09	8.7%
490	10	4369	0.04	0.04	0.00	0.04	0.04	0.04	0.04	0.02	0.04	0.00	0.0%
491	60	4567	0.13	0.12	0.04	0.14	0.07	0.14	0.17	0.09	0.17	0.03	21.4%
492	60	4567	0.28	0.26	0.08	0.29	0.14	0.29	0.36	0.20	0.36	0.07	24.1%
493	10	4369	0.05	0.05	0.00	0.05	0.05	0.05	0.05	0.03	0.05	0.00	0.0%
494	60	4567	0.09	0.09	0.03	0.10	0.05	0.10	0.11	0.06	0.11	0.01	10.0%
495	10	4369	0.14	0.13	0.01	0.15	0.15	0.12	0.14	0.07	0.15	0.00	0.0%
496	10	4369	0.18	0.17	0.02	0.19	0.19	0.16	0.17	0.08	0.19	0.00	0.0%
497	10	4369	0.33	0.31	0.03	0.35	0.35	0.32	0.45	0.24	0.45	0.10	28.6%
498	60	4567	0.17	0.16	0.05	0.17	0.12	0.17	0.24	0.12	0.24	0.07	41.2%
499	60	4567	0.16	0.16	0.05	0.18	0.09	0.18	0.20	0.10	0.20	0.02	11.1%
500	10	4369	0.23	0.22	0.02	0.24	0.24	0.19	0.21	0.10	0.24	0.00	0.0%
501	10	4369	0.25	0.24	0.03	0.26	0.26	0.21	0.25	0.12	0.26	0.00	0.0%
502	15	4413	9.31	9.04	1.22	9.32	9.55	8.88	8.72	5.60	9.55	0.23	2.5%
503	10	4369	0.28	0.27	0.03	0.30	0.30	0.27	0.34	0.17	0.34	0.04	13.3%
504	10	4369	0.47	0.45	0.05	0.49	0.49	0.38	0.47	0.23	0.49	0.00	0.0%
505	60	4567	0.14	0.14	0.05	0.16	0.08	0.16	0.18	0.09	0.18	0.02	12.5%
506	10	4369	0.13	0.13	0.01	0.14	0.14	0.12	0.14	0.06	0.14	0.00	0.0%
507	60	4567	0.19	0.17	0.05	0.19	0.01	0.19	0.25	0.14	0.25	0.06	31.6%
508	60	4567	0.10	0.09	0.03	0.11	0.01	0.11	0.12	0.06	0.12	0.01	9.1%
509	60	4567	0.29	0.27	0.08	0.30	0.16	0.30	0.39	0.21	0.39	0.09	30.0%
510	15	4408	1.35	1.36	0.11	1.36	1.31	1.14	1.40	0.73	1.40	0.04	2.9%
511	10	4377	1.75	1.74	0.04	1.76	1.69	1.43	1.77	0.94	1.77	0.01	0.6%
512	10	4374	1.86	1.86	0.04	1.87	1.79	1.52	1.83	0.99	1.83	-0.04	-2.1%
513	15	4410	0.90	0.89	0.11	0.90	0.92	0.71	0.92	0.47	0.92	0.02	2.2%
514	10	4369	0.35	0.34	0.04	0.37	0.37	0.29	0.29	0.14	0.37	0.00	0.0%
515	10	4369	0.40	0.39	0.04	0.42	0.42	0.33	0.40	0.20	0.42	0.00	0.0%
516	10	4369	0.15	0.14	0.02	0.16	0.16	0.13	0.14	0.07	0.16	0.00	0.0%
517	10	4369	0.18	0.17	0.02	0.19	0.19	0.16	0.17	0.08	0.19	0.00	0.0%
518	60	4567	0.37	0.33	0.10	0.37	0.25	0.37	0.51	0.27	0.51	0.14	37.8%
519	10	4369	0.45	0.43	0.05	0.48	0.48	0.38	0.52	0.26	0.52	0.04	8.3%
520	60	4567	0.59	0.54	0.16	0.62	0.49	0.62	0.78	0.42	0.78	0.16	25.8%
521	10	4369	0.14	0.14	0.01	0.15	0.15	0.14	0.18	0.09	0.18	0.03	20.0%
522	10	4369	0.17	0.16	0.02	0.18	0.18	0.17	0.22	0.11	0.22	0.04	22.2%
523	60	4475	0.19	0.18	0.06	0.19	0.11	0.21	0.23	0.11	0.23	0.04	21.1%
524	60	4565	0.28	0.28	0.08	0.29	0.16	0.31	0.33	0.19	0.33	0.04	13.8%
525	10	4369	1.30	1.25	0.14	1.37	1.37	1.05	0.89	0.38	1.37	0.00	0.0%
526	10	4369	0.27	0.26	0.03	0.29	0.29	0.22	0.24	0.11	0.29	0.00	0.0%
527	15	4408	1.16	1.16	0.10	1.16	1.09	1.02	1.31	0.69	1.31	0.15	12.9%
528	15	4410	0.27	0.26	0.03	0.27	0.27	0.21	0.19	0.08	0.27	0.00	0.0%
529	10	4369	0.09	0.08	0.01	0.09	0.09	0.07	0.06	0.03	0.09	0.00	0.0%
530	15	4413	0.62	0.60	0.08	0.64	0.64	0.49	0.59	0.30	0.64	0.00	0.0%
531	15	4413	0.22	0.22	0.03	0.23	0.23	0.20	0.20	0.09	0.23	0.00	0.0%
532	10	4369	0.04	0.04	0.00	0.04	0.04	0.05	0.04	0.02	0.05	0.01	25.0%
533	10	4369	0.37	0.35	0.04	0.39	0.39	0.33	0.38	0.18	0.39	0.00	0.0%
534	10	4369	0.77	0.74	0.08	0.81	0.81	0.63	0.55	0.26	0.81	0.00	0.0%
535	60	4567	0.31	0.29	0.09	0.31	0.16	0.31	0.44	0.23	0.44	0.13	41.9%
536	60	4567	0.34	0.31	0.10	0.35	0.12	0.35	0.45	0.24	0.45	0.10	28.6%
537	60	4567	0.29	0.27	0.08	0.30	0.12	0.30	0.40	0.21	0.40	0.10	33.3%
538	60	4565	0.04	0.04	0.01	0.04	0.00	0.04	0.04	0.02	0.04	0.00	0.0%
539	60	4475	0.10	0.10	0.03	0.10	0.04	0.11	0.12	0.06	0.12	0.02	20.0%
540	60	4565	0.15	0.16	0.05	0.16	0.04	0.18	0.18	0.09	0.18	0.02	12.5%
541	60	4567	0.38	0.36	0.12	0.41	0.05	0.41	0.45	0.25	0.45	0.04	9.8%
542	60	4567	0.18	0.17	0.06	0.20	0.00	0.20	0.22	0.11	0.22	0.02	10.0%
543	60	4567	0.78	0.72	0.21	0.81	0.11	0.81	1.01	0.59	1.01	0.20	24.7%
544	60	4567	0.19	0.18	0.06	0.21	0.06	0.21	0.24	0.12	0.24	0.03	14.3%
545	60	4567	0.40	0.38	0.12	0.44	0.00	0.44	0.49	0.27	0.49	0.05	11.4%
546	60	4567	0.45	0.42	0.13	0.48	0.00	0.48	0.55	0.31	0.55	0.07	14.6%
547	60	4567	0.78	0.72	0.22	0.82	0.24	0.82	1.06	0.57	1.06	0.24	29.3%
548	60	4567	0.84	0.77	0.23	0.88	0.24	0.88	1.12	0.62	1.12	0.24	27.3%
549	60	4567	0.57	0.54	0.17	0.62	0.05	0.62	0.69	0.38	0.69	0.07	11.3%
550	60	4567	0.93	0.85	0.25	0.99	0.11	0.99	1.12	0.67	1.12	0.13	13.1%
551	60	4567	2.12	1.97	0.52	2.25	0.35	2.25	2.55	1.63	2.55	0.30	13.3%
552	60	4567	2.16	2.01	0.52	2.29	0.35	2.29	2.61	1.68	2.61	0.32	14.0%
553	60	4567	0.76	0.70	0.21	0.82	0.04	0.82	0.92	0.56	0.92	0.10	12.2%
554	60	4567	0.09	0.09	0.03	0.10	0.04	0.10	0.11	0.06	0.11	0.01	10.0%
555	60	4567	0.30	0.27	0.09	0.31	0.08	0.31	0.40	0.21	0.40	0.09	29.0%
556	60	4567	3.99	3.77	0.82	4.24	0.38	4.24	4.82	3.36	4.82	0.58	13.7%
557	60	4567	3.69	3.46	0.80	3.94	0.38	3.94	4.50	3.04	4.50	0.56	14.2%
558	60	4567	0.46	0.42	0.13	0.48	0.00	0.48	0.61	0.33	0.61	0.13	27.1%
559	60	4567	0.32	0.30	0.09	0.35	0.05	0.35	0.40	0.23	0.40	0.05	14.3%
560	60	4567	0.21	0.20	0.07	0.23	0.05	0.23	0.28	0.14	0.28	0.05	21.7%
561	10	4369	0.12	0.12	0.01	0.13	0.13	0.11	0.11	0.05	0.13	0.00	0.0%
562	15	4381	0.19	0.19	0.02	0.20	0.20	0.20	0.21	0.11	0.21	0.01	5.0%
563	10	4369	0.45	0.43	0.05	0.48	0.48	0.37	0.31	0.14	0.48	0.00	0.0%
564	10	4369	0.20	0.19	0.02	0.21	0.21	0.16	0.14	0.07	0.21	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
565	60	4565	0.34	0.33	0.10	0.34	0.20	0.37	0.40	0.21	0.40	0.06	17.6%
566	60	4567	0.55	0.52	0.16	0.60	0.25	0.60	0.65	0.36	0.65	0.05	8.3%
567	60	4567	0.62	0.58	0.17	0.67	0.33	0.67	0.76	0.42	0.76	0.09	13.4%
568	60	4567	0.76	0.70	0.21	0.83	0.33	0.83	0.94	0.54	0.94	0.11	13.3%
569	60	4567	0.12	0.11	0.04	0.13	0.04	0.13	0.15	0.08	0.15	0.02	15.4%
570	60	4567	0.92	0.85	0.25	0.98	0.34	0.98	1.12	0.67	1.12	0.14	14.3%
571	60	4475	0.11	0.11	0.04	0.11	0.07	0.12	0.14	0.07	0.14	0.03	27.3%
572	10	4378	0.51	0.50	0.01	0.51	0.52	0.41	0.40	0.20	0.52	0.01	2.0%
573	15	4381	0.80	0.79	0.10	0.83	0.82	0.63	0.58	0.28	0.82	-0.01	-1.2%
574	15	4413	0.35	0.34	0.04	0.36	0.36	0.28	0.27	0.13	0.36	0.00	0.0%
575	60	4567	0.20	0.19	0.06	0.22	0.10	0.22	0.26	0.13	0.26	0.04	18.2%
576	60	4567	0.09	0.08	0.03	0.10	0.01	0.10	0.11	0.06	0.11	0.01	10.0%
577	60	4567	0.21	0.19	0.06	0.22	0.03	0.22	0.27	0.15	0.27	0.05	22.7%
578	60	4567	0.09	0.09	0.03	0.10	0.05	0.10	0.12	0.06	0.12	0.02	20.0%
579	15	4410	1.27	1.27	0.09	1.31	1.24	1.28	1.32	0.70	1.32	0.01	0.8%
580	60	4567	0.07	0.07	0.02	0.08	0.00	0.08	0.09	0.05	0.09	0.01	12.5%
581	15	4410	6.33	6.44	0.47	6.38	6.35	5.86	5.38	3.23	6.35	-0.03	-0.5%
582	15	4410	0.27	0.27	0.03	0.27	0.27	0.25	0.27	0.13	0.27	0.00	0.0%
583	10	4369	0.21	0.20	0.02	0.22	0.22	0.18	0.19	0.09	0.22	0.00	0.0%
584	10	4369	0.43	0.41	0.05	0.45	0.45	0.35	0.37	0.18	0.45	0.00	0.0%
585	10	4378	1.12	1.12	0.00	1.12	1.12	1.00	0.99	0.55	1.12	0.00	0.0%
586	10	4378	1.02	1.02	0.02	1.02	1.03	0.93	0.95	0.51	1.03	0.01	1.0%
587	10	4369	0.17	0.16	0.02	0.18	0.18	0.15	0.16	0.08	0.18	0.00	0.0%
588	10	4369	0.07	0.07	0.01	0.08	0.08	0.07	0.08	0.04	0.08	0.00	0.0%
589	10	4369	0.44	0.42	0.05	0.46	0.46	0.35	0.39	0.19	0.46	0.00	0.0%
590	15	4413	0.54	0.52	0.07	0.56	0.57	0.44	0.48	0.24	0.57	0.01	1.8%
591	15	4413	0.73	0.72	0.09	0.76	0.75	0.61	0.69	0.34	0.75	-0.01	-1.3%
592	10	4369	0.17	0.16	0.02	0.18	0.18	0.14	0.15	0.07	0.18	0.00	0.0%
593	60	4567	0.13	0.13	0.04	0.14	0.01	0.14	0.15	0.08	0.15	0.01	7.1%
594	60	4567	0.14	0.14	0.05	0.16	0.00	0.16	0.17	0.09	0.17	0.01	6.3%
595	15	4381	0.42	0.42	0.04	0.42	0.41	0.38	0.44	0.21	0.44	0.02	4.8%
596	10	4369	0.17	0.17	0.02	0.18	0.18	0.14	0.15	0.07	0.18	0.00	0.0%
597	10	4369	0.19	0.19	0.02	0.21	0.21	0.15	0.14	0.05	0.21	0.00	0.0%
598	10	4369	0.36	0.35	0.04	0.38	0.38	0.30	0.25	0.11	0.38	0.00	0.0%
599	15	4410	0.60	0.60	0.07	0.60	0.60	0.54	0.62	0.30	0.62	0.02	3.3%
600	10	4369	0.19	0.18	0.02	0.20	0.20	0.16	0.17	0.08	0.20	0.00	0.0%
601	60	4567	0.11	0.11	0.04	0.12	0.00	0.12	0.13	0.06	0.13	0.01	8.3%
602	10	4369	0.40	0.38	0.04	0.42	0.42	0.32	0.30	0.14	0.42	0.00	0.0%
603	15	4410	0.69	0.68	0.08	0.69	0.69	0.58	0.60	0.29	0.69	0.00	0.0%
604	10	4369	1.90	1.86	0.10	1.93	1.93	1.65	1.55	0.79	1.93	0.00	0.0%
605	10	4369	0.28	0.27	0.03	0.29	0.29	0.23	0.21	0.10	0.29	0.00	0.0%
606	10	4369	0.15	0.15	0.02	0.16	0.16	0.12	0.10	0.05	0.16	0.00	0.0%
607	15	4410	1.25	1.24	0.12	1.26	1.22	1.02	1.00	0.48	1.22	-0.04	-3.2%
608	10	4369	0.54	0.52	0.06	0.57	0.57	0.43	0.37	0.16	0.57	0.00	0.0%
609	15	4381	1.17	1.17	0.11	1.17	1.15	0.95	0.92	0.44	1.15	-0.02	-1.7%
610	15	4413	0.61	0.60	0.08	0.64	0.63	0.49	0.50	0.24	0.63	-0.01	-1.6%
611	10	4369	0.06	0.06	0.01	0.07	0.07	0.06	0.05	0.02	0.07	0.00	0.0%
612	10	4369	2.07	2.02	0.09	2.11	2.11	1.83	1.69	0.89	2.11	0.00	0.0%
613	10	4369	0.08	0.07	0.01	0.08	0.08	0.07	0.06	0.03	0.08	0.00	0.0%
614	15	4410	0.42	0.42	0.05	0.42	0.43	0.34	0.38	0.18	0.43	0.01	2.4%
615	15	4410	0.46	0.46	0.05	0.46	0.46	0.38	0.41	0.20	0.46	0.00	0.0%
616	10	4369	0.10	0.09	0.01	0.10	0.10	0.08	0.08	0.04	0.10	0.00	0.0%
617	60	4567	0.23	0.21	0.07	0.25	0.07	0.25	0.29	0.15	0.29	0.04	16.0%
618	10	4369	0.42	0.40	0.04	0.44	0.44	0.34	0.29	0.12	0.44	0.00	0.0%
619	60	4567	0.60	0.56	0.15	0.62	0.22	0.62	0.81	0.46	0.81	0.19	30.6%
620	120	4630	0.75	0.63	0.27	0.99	0.52	0.74	1.03	0.59	1.03	0.04	4.0%
621	10	4369	0.13	0.13	0.01	0.14	0.14	0.12	0.10	0.05	0.14	0.00	0.0%
622	60	4567	0.18	0.16	0.05	0.18	0.01	0.18	0.24	0.13	0.24	0.06	33.3%
623	60	4567	0.31	0.29	0.08	0.33	0.04	0.33	0.41	0.23	0.41	0.08	24.2%
624	60	4567	0.33	0.31	0.09	0.35	0.04	0.35	0.44	0.26	0.44	0.09	25.7%
625	60	4567	0.34	0.31	0.09	0.34	0.02	0.34	0.46	0.25	0.46	0.12	35.3%
626	60	4567	1.02	0.94	0.26	1.06	0.13	1.06	1.35	0.78	1.35	0.29	27.4%
627	15	4413	0.44	0.44	0.06	0.46	0.46	0.35	0.39	0.19	0.46	0.00	0.0%
628	10	4369	0.27	0.25	0.03	0.28	0.28	0.22	0.19	0.09	0.28	0.00	0.0%
629	60	4567	0.15	0.14	0.05	0.16	0.01	0.16	0.20	0.11	0.20	0.04	25.0%
630	60	4567	0.07	0.07	0.02	0.08	0.00	0.08	0.09	0.04	0.09	0.01	12.5%
631	60	4567	0.23	0.21	0.06	0.24	0.02	0.24	0.32	0.18	0.32	0.08	33.3%
632	10	4369	0.22	0.21	0.02	0.23	0.23	0.19	0.20	0.09	0.23	0.00	0.0%
633	10	4369	0.35	0.34	0.04	0.37	0.37	0.28	0.32	0.15	0.37	0.00	0.0%
634	10	4369	0.53	0.51	0.06	0.56	0.56	0.43	0.46	0.22	0.56	0.00	0.0%
635	15	4410	0.65	0.65	0.07	0.65	0.66	0.55	0.65	0.32	0.66	0.01	1.5%
636	10	4369	0.36	0.34	0.04	0.38	0.38	0.29	0.30	0.14	0.38	0.00	0.0%
637	10	4369	0.50	0.48	0.05	0.53	0.53	0.40	0.48	0.24	0.53	0.00	0.0%
638	10	4369	0.37	0.36	0.04	0.39	0.39	0.30	0.33	0.16	0.39	0.00	0.0%
639	15	4381	0.90	0.90	0.09	0.91	0.89	0.76	1.01	0.51	1.01	0.10	11.0%
640	10	4369	0.41	0.39	0.04	0.43	0.43	0.33	0.36	0.17	0.43	0.00	0.0%
641	10	4369	0.27	0.26	0.03	0.28	0.28	0.22	0.22	0.10	0.28	0.00	0.0%
642	15	4410	0.73	0.72	0.09	0.73	0.74	0.58	0.56	0.26	0.74	0.01	1.4%
643	10	4369	0.58	0.56	0.06	0.62	0.62	0.47	0.41	0.18	0.62	0.00	0.0%
644	10	4369	1.56	1.50	0.17	1.64	1.64	1.25	1.08	0.50	1.64	0.00	0.0%
645	10	4369	0.39	0.37	0.04	0.41	0.41	0.31	0.37	0.18	0.41	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
646	10	4373	1.19	1.18	0.03	1.22	1.19	1.02	1.16	0.61	1.19	-0.03	-2.5%
647	15	4410	0.55	0.55	0.06	0.56	0.55	0.46	0.53	0.26	0.55	-0.01	-1.8%
648	10	4369	0.17	0.17	0.02	0.18	0.18	0.14	0.15	0.07	0.18	0.00	0.0%
649	15	4410	0.71	0.70	0.08	0.71	0.72	0.56	0.67	0.33	0.72	0.01	1.4%
650	15	4410	1.01	1.00	0.11	1.01	1.01	0.83	0.97	0.47	1.01	0.00	0.0%
651	10	4369	0.30	0.29	0.03	0.32	0.32	0.24	0.28	0.13	0.32	0.00	0.0%
652	10	4369	0.29	0.28	0.03	0.31	0.31	0.24	0.26	0.12	0.31	0.00	0.0%
653	10	4369	0.41	0.39	0.04	0.43	0.43	0.33	0.36	0.17	0.43	0.00	0.0%
654	15	4413	0.52	0.51	0.06	0.54	0.53	0.42	0.46	0.22	0.53	-0.01	-1.9%
655	10	4369	0.28	0.26	0.03	0.29	0.29	0.23	0.27	0.13	0.29	0.00	0.0%
656	10	4369	0.14	0.14	0.01	0.15	0.15	0.13	0.14	0.06	0.15	0.00	0.0%
657	10	4369	0.27	0.25	0.03	0.28	0.28	0.21	0.23	0.11	0.28	0.00	0.0%
658	10	4369	0.12	0.11	0.01	0.12	0.12	0.10	0.10	0.05	0.12	0.00	0.0%
659	15	4413	0.38	0.37	0.05	0.39	0.39	0.33	0.34	0.16	0.39	0.00	0.0%
660	10	4369	0.22	0.21	0.02	0.23	0.23	0.18	0.19	0.09	0.23	0.00	0.0%
661	10	4369	0.10	0.10	0.01	0.11	0.11	0.10	0.11	0.05	0.11	0.00	0.0%
662	15	4410	0.76	0.76	0.09	0.76	0.78	0.61	0.67	0.32	0.78	0.02	2.6%
663	10	4369	0.16	0.16	0.02	0.17	0.17	0.14	0.14	0.07	0.17	0.00	0.0%
664	15	4381	2.18	2.16	0.27	2.27	2.23	1.71	1.90	0.96	2.23	-0.04	-1.8%
665	10	4369	1.32	1.27	0.14	1.39	1.39	1.07	1.14	0.56	1.39	0.00	0.0%
666	60	4567	6.91	6.39	1.33	7.13	5.96	7.13	8.62	5.73	8.62	1.49	20.9%
667	10	4369	0.36	0.34	0.04	0.38	0.38	0.29	0.33	0.16	0.38	0.00	0.0%
668	10	4369	0.16	0.16	0.02	0.17	0.17	0.15	0.16	0.07	0.17	0.00	0.0%
669	15	4410	1.31	1.31	0.14	1.32	1.31	1.06	1.29	0.64	1.31	-0.01	-0.8%
670	15	4381	1.17	1.15	0.15	1.22	1.20	0.96	1.24	0.64	1.24	0.02	1.6%
671	10	4369	0.73	0.71	0.08	0.77	0.77	0.59	0.71	0.35	0.77	0.00	0.0%
672	10	4378	1.95	1.90	0.13	1.95	2.01	1.89	2.23	1.25	2.23	0.28	14.4%
673	10	4369	0.29	0.27	0.03	0.30	0.30	0.24	0.28	0.13	0.30	0.00	0.0%
674	10	4369	0.14	0.13	0.01	0.14	0.14	0.11	0.13	0.06	0.14	0.00	0.0%
675	60	4567	0.38	0.36	0.12	0.40	0.34	0.40	0.49	0.25	0.49	0.09	22.5%
676	10	4369	0.28	0.27	0.03	0.29	0.29	0.23	0.28	0.14	0.29	0.00	0.0%
677	120	4630	0.55	0.46	0.19	0.70	0.39	0.50	0.77	0.42	0.77	0.07	10.0%
678	120	4630	0.74	0.62	0.26	0.96	0.55	0.72	1.03	0.58	1.03	0.07	7.3%
679	60	4567	1.10	1.01	0.32	1.16	0.30	1.16	1.43	0.80	1.43	0.27	23.3%
680	15	4410	0.43	0.42	0.05	0.43	0.44	0.44	0.52	0.26	0.52	0.09	20.9%
681	10	4369	0.15	0.15	0.02	0.16	0.16	0.13	0.13	0.06	0.16	0.00	0.0%
682	15	4413	0.39	0.38	0.05	0.40	0.40	0.33	0.38	0.19	0.40	0.00	0.0%
683	60	4567	3.09	2.88	0.74	3.16	2.08	3.16	4.09	2.47	4.09	0.93	29.4%
684	60	4567	0.19	0.18	0.06	0.21	0.11	0.21	0.26	0.13	0.26	0.05	23.8%
685	10	4369	0.07	0.07	0.01	0.07	0.07	0.07	0.06	0.03	0.07	0.00	0.0%
686	10	4369	0.07	0.07	0.01	0.07	0.07	0.07	0.06	0.03	0.07	0.00	0.0%
687	10	4369	0.10	0.10	0.01	0.11	0.11	0.10	0.10	0.05	0.11	0.00	0.0%
688	15	4410	0.49	0.49	0.05	0.49	0.49	0.41	0.46	0.22	0.49	0.00	0.0%
689	60	4567	0.19	0.17	0.06	0.20	0.06	0.20	0.25	0.13	0.25	0.05	25.0%
690	60	4567	0.22	0.21	0.07	0.23	0.16	0.23	0.31	0.16	0.31	0.08	34.8%
691	120	4630	0.24	0.20	0.09	0.32	0.07	0.24	0.34	0.19	0.34	0.02	6.3%
692	10	4369	0.06	0.06	0.01	0.07	0.07	0.06	0.07	0.03	0.07	0.00	0.0%
693	10	4369	0.17	0.16	0.02	0.18	0.18	0.15	0.18	0.09	0.18	0.00	0.0%
694	15	4410	1.19	1.18	0.11	1.21	1.17	1.02	1.32	0.69	1.32	0.11	9.1%
695	10	4379	1.96	1.94	0.07	2.02	1.94	1.69	2.24	1.22	2.24	0.22	10.9%
696	15	4381	3.68	3.65	0.21	3.70	3.50	3.72	4.33	2.60	4.33	0.63	17.0%
697	10	4369	0.49	0.47	0.05	0.52	0.52	0.40	0.40	0.19	0.52	0.00	0.0%
698	10	4369	0.52	0.50	0.05	0.54	0.54	0.42	0.42	0.20	0.54	0.00	0.0%
699	10	4369	0.11	0.10	0.01	0.11	0.11	0.10	0.10	0.05	0.11	0.00	0.0%
700	10	4369	0.72	0.69	0.08	0.76	0.76	0.58	0.64	0.31	0.76	0.00	0.0%
701	10	4369	0.85	0.81	0.09	0.89	0.89	0.68	0.75	0.37	0.89	0.00	0.0%
702	15	4413	0.72	0.71	0.09	0.75	0.74	0.57	0.64	0.31	0.74	-0.01	-1.3%
703	10	4369	0.42	0.41	0.04	0.45	0.45	0.34	0.39	0.19	0.45	0.00	0.0%
704	10	4369	0.10	0.09	0.01	0.10	0.10	0.08	0.09	0.04	0.10	0.00	0.0%
705	10	4369	0.10	0.10	0.01	0.11	0.11	0.09	0.09	0.04	0.11	0.00	0.0%
706	10	4369	0.14	0.14	0.01	0.15	0.15	0.12	0.15	0.07	0.15	0.00	0.0%
707	15	4413	0.66	0.65	0.08	0.69	0.69	0.53	0.64	0.32	0.69	0.00	0.0%
708	60	4567	5.55	5.10	0.95	6.03	5.23	6.03	6.40	4.24	6.40	0.37	6.1%
709	60	4567	5.65	5.21	0.94	6.16	5.23	6.16	6.45	4.35	6.45	0.29	4.7%
710	60	4567	5.69	5.26	0.93	6.21	5.23	6.21	6.49	4.39	6.49	0.28	4.5%
711	10	4369	0.18	0.17	0.02	0.19	0.19	0.16	0.17	0.08	0.19	0.00	0.0%
712	10	4369	0.29	0.27	0.03	0.30	0.30	0.23	0.23	0.11	0.30	0.00	0.0%
713	10	4369	0.29	0.27	0.03	0.30	0.30	0.23	0.26	0.12	0.30	0.00	0.0%
714	15	4413	0.44	0.43	0.06	0.45	0.46	0.35	0.39	0.19	0.46	0.01	2.2%
715	60	4569	11.14	10.97	1.44	12.19	6.25	12.57	11.94	9.22	12.57	0.38	3.1%
716	10	4369	0.27	0.26	0.03	0.29	0.29	0.22	0.27	0.13	0.29	0.00	0.0%
717	15	4414	4.94	4.98	0.21	4.95	4.78	5.16	5.91	3.64	5.91	0.96	19.4%
718	10	4369	0.75	0.72	0.08	0.79	0.79	0.60	0.64	0.31	0.79	0.00	0.0%
719	15	4413	0.50	0.49	0.06	0.52	0.52	0.40	0.52	0.26	0.52	0.00	0.0%
720	10	4369	0.22	0.21	0.02	0.23	0.23	0.18	0.23	0.11	0.23	0.00	0.0%
721	10	4369	0.31	0.30	0.03	0.33	0.33	0.25	0.26	0.12	0.33	0.00	0.0%
722	10	4369	0.24	0.23	0.02	0.25	0.25	0.20	0.23	0.11	0.25	0.00	0.0%
723	15	4413	0.36	0.35	0.05	0.37	0.37	0.29	0.32	0.15	0.37	0.00	0.0%
724	15	4413	0.28	0.27	0.04	0.29	0.29	0.26	0.32	0.16	0.32	0.03	10.3%
725	15	4416	0.86	0.87	0.10	0.87	0.86	0.75	0.95	0.50	0.95	0.08	9.2%
726	60	4567	0.24	0.23	0.07	0.25	0.24	0.25	0.31	0.15	0.31	0.06	24.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
727	60	4569	17.27	16.97	2.35	19.00	10.45	19.70	19.05	14.30	19.70	0.70	3.7%
728	10	4369	0.10	0.10	0.01	0.11	0.11	0.10	0.11	0.05	0.11	0.00	0.0%
729	60	4567	0.07	0.07	0.02	0.08	0.03	0.08	0.10	0.05	0.10	0.02	25.0%
730	10	4369	0.10	0.09	0.01	0.10	0.10	0.09	0.09	0.04	0.10	0.00	0.0%
731	15	4410	0.22	0.22	0.02	0.23	0.22	0.21	0.21	0.10	0.22	-0.01	-4.3%
732	15	4410	0.93	0.92	0.11	0.93	0.93	0.72	0.88	0.44	0.93	0.00	0.0%
733	10	4378	0.17	0.17	0.01	0.17	0.18	0.16	0.16	0.09	0.18	0.01	5.9%
734	10	4369	0.09	0.08	0.01	0.09	0.09	0.08	0.10	0.05	0.10	0.01	11.1%
735	15	4413	0.15	0.14	0.02	0.15	0.15	0.13	0.15	0.07	0.15	0.00	0.0%
736	60	4567	0.68	0.62	0.19	0.71	0.17	0.71	0.89	0.49	0.89	0.18	25.4%
737	60	4567	0.28	0.26	0.08	0.29	0.09	0.29	0.39	0.20	0.39	0.10	34.5%
738	60	4567	0.31	0.29	0.09	0.32	0.08	0.32	0.42	0.22	0.42	0.10	31.3%
739	60	4567	0.17	0.15	0.05	0.17	0.05	0.17	0.22	0.12	0.22	0.05	29.4%
740	60	4567	0.51	0.47	0.15	0.53	0.11	0.53	0.66	0.36	0.66	0.13	24.5%
741	60	4475	0.09	0.09	0.03	0.09	0.00	0.10	0.11	0.05	0.11	0.02	22.2%
742	60	4567	0.20	0.18	0.06	0.21	0.01	0.21	0.25	0.13	0.25	0.04	19.0%
743	60	4567	0.16	0.15	0.05	0.17	0.03	0.17	0.21	0.11	0.21	0.04	23.5%
744	60	4567	0.25	0.25	0.08	0.28	0.17	0.28	0.32	0.16	0.32	0.04	14.3%
745	10	4369	0.09	0.08	0.01	0.09	0.09	0.09	0.11	0.05	0.11	0.02	22.2%
746	10	4369	0.16	0.15	0.02	0.17	0.17	0.17	0.20	0.10	0.20	0.03	17.6%
747	10	4369	0.24	0.23	0.02	0.25	0.25	0.22	0.27	0.14	0.27	0.02	8.0%
748	60	4567	0.28	0.26	0.08	0.30	0.12	0.30	0.38	0.20	0.38	0.08	26.7%
749	60	4565	0.15	0.15	0.05	0.15	0.00	0.17	0.18	0.09	0.18	0.03	20.0%
750	60	4567	0.12	0.12	0.04	0.14	0.06	0.14	0.16	0.08	0.16	0.02	14.3%
751	60	4567	0.30	0.27	0.08	0.31	0.15	0.31	0.40	0.22	0.40	0.09	29.0%
752	60	4568	24.65	24.99	3.34	24.69	14.30	27.98	26.47	21.78	27.98	3.29	13.3%
753	10	4369	0.32	0.31	0.03	0.34	0.34	0.26	0.24	0.11	0.34	0.00	0.0%
754	10	4369	0.80	0.77	0.09	0.85	0.85	0.65	0.57	0.27	0.85	0.00	0.0%
755	15	4413	1.21	1.19	0.15	1.26	1.25	0.96	0.88	0.42	1.25	-0.01	-0.8%
756	60	4475	0.04	0.04	0.01	0.04	0.03	0.04	0.05	0.02	0.05	0.01	25.0%
757	45	4542	0.02	0.02	0.00	0.02	0.01	0.02	0.02	0.01	0.02	0.00	0.0%
758	10	4378	1.61	1.57	0.11	1.61	1.66	1.27	1.22	0.64	1.66	0.05	3.1%
759	60	4567	0.35	0.33	0.11	0.38	0.19	0.38	0.45	0.23	0.45	0.07	18.4%
760	60	4475	0.22	0.22	0.08	0.22	0.13	0.24	0.27	0.13	0.27	0.05	22.7%
761	15	4413	0.27	0.27	0.04	0.28	0.29	0.23	0.28	0.14	0.29	0.01	3.6%
762	10	4369	0.53	0.51	0.06	0.56	0.56	0.43	0.53	0.27	0.56	0.00	0.0%
763	25	4473	11.48	11.34	0.73	11.57	9.94	12.97	11.23	9.03	12.97	1.40	12.1%
764	10	4369	0.19	0.19	0.02	0.21	0.21	0.17	0.20	0.10	0.21	0.00	0.0%
765	15	4412	6.36	6.32	0.34	6.36	5.84	5.87	5.85	3.78	5.87	-0.49	-7.7%
766	60	4567	0.79	0.73	0.22	0.83	0.46	0.83	1.03	0.57	1.03	0.20	24.1%
767	60	4567	0.32	0.31	0.10	0.34	0.25	0.34	0.41	0.21	0.41	0.07	20.6%
768	10	4369	0.14	0.13	0.01	0.15	0.15	0.13	0.13	0.06	0.15	0.00	0.0%
769	60	4567	0.16	0.14	0.05	0.16	0.07	0.16	0.21	0.11	0.21	0.05	31.3%
770	10	4369	0.15	0.14	0.02	0.16	0.16	0.14	0.15	0.07	0.16	0.00	0.0%
771	10	4369	0.11	0.11	0.01	0.12	0.12	0.10	0.09	0.04	0.12	0.00	0.0%
772	15	4413	0.34	0.33	0.04	0.35	0.35	0.30	0.31	0.15	0.35	0.00	0.0%
773	15	4410	0.51	0.51	0.06	0.52	0.52	0.41	0.41	0.19	0.52	0.00	0.0%
774	10	4369	0.23	0.22	0.02	0.25	0.25	0.19	0.16	0.07	0.25	0.00	0.0%
775	15	4413	0.41	0.40	0.05	0.42	0.43	0.34	0.32	0.15	0.43	0.01	2.4%
776	10	4369	0.37	0.36	0.04	0.39	0.39	0.31	0.25	0.12	0.39	0.00	0.0%
777	10	4369	0.24	0.23	0.03	0.26	0.26	0.21	0.26	0.13	0.26	0.00	0.0%
778	10	4369	0.52	0.50	0.05	0.55	0.55	0.42	0.53	0.26	0.55	0.00	0.0%
779	15	4413	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.0%
780	60	4567	0.32	0.30	0.10	0.34	0.18	0.34	0.41	0.21	0.41	0.07	20.6%
781	60	4475	0.07	0.07	0.02	0.07	0.07	0.07	0.09	0.04	0.09	0.02	28.6%
782	60	4475	0.05	0.05	0.02	0.05	0.05	0.05	0.06	0.03	0.06	0.01	20.0%
783	10	4369	0.13	0.13	0.01	0.14	0.14	0.11	0.10	0.05	0.14	0.00	0.0%
784	10	4369	0.11	0.11	0.01	0.12	0.12	0.09	0.08	0.04	0.12	0.00	0.0%
785	10	4369	0.03	0.03	0.00	0.03	0.03	0.03	0.03	0.01	0.03	0.00	0.0%
786	15	4410	0.26	0.26	0.03	0.26	0.26	0.22	0.20	0.09	0.26	0.00	0.0%
787	10	4377	0.65	0.64	0.02	0.66	0.65	0.63	0.74	0.38	0.74	0.08	12.1%
788	10	4369	0.05	0.05	0.01	0.05	0.05	0.06	0.04	0.02	0.06	0.01	20.0%
789	60	4475	0.07	0.07	0.02	0.07	0.05	0.07	0.08	0.04	0.08	0.01	14.3%
790	10	4369	0.23	0.22	0.02	0.25	0.25	0.19	0.17	0.08	0.25	0.00	0.0%
791	10	4369	0.11	0.11	0.01	0.12	0.12	0.09	0.10	0.05	0.12	0.00	0.0%
792	10	4369	0.20	0.19	0.02	0.21	0.21	0.16	0.17	0.08	0.21	0.00	0.0%
793	10	4369	0.27	0.26	0.03	0.29	0.29	0.22	0.26	0.13	0.29	0.00	0.0%
794	10	4369	0.12	0.12	0.01	0.13	0.13	0.11	0.14	0.07	0.14	0.01	7.7%
795	10	4369	0.19	0.18	0.02	0.20	0.20	0.15	0.22	0.11	0.22	0.02	10.0%
796	60	4567	0.13	0.13	0.04	0.15	0.06	0.15	0.17	0.09	0.17	0.02	13.3%
797	60	4567	0.92	0.88	0.24	0.98	0.85	0.98	1.20	0.64	1.20	0.22	22.4%
798	60	4567	0.19	0.17	0.06	0.20	0.07	0.20	0.24	0.13	0.24	0.04	20.0%
799	10	4369	0.18	0.17	0.02	0.19	0.19	0.15	0.19	0.09	0.19	0.00	0.0%
800	10	4369	0.37	0.35	0.04	0.39	0.39	0.30	0.33	0.16	0.39	0.00	0.0%
801	60	4567	0.79	0.73	0.20	0.80	0.12	0.80	1.07	0.63	1.07	0.27	33.8%
802	60	4567	0.04	0.04	0.01	0.04	0.04	0.04	0.04	0.02	0.04	0.00	0.0%
803	10	4369	0.21	0.20	0.02	0.22	0.22	0.17	0.19	0.09	0.22	0.00	0.0%
804	15	4408	5.56	5.60	0.35	5.66	5.55	5.06	5.31	3.47	5.55	-0.11	-1.9%
805	10	4369	5.55	5.55	0.01	5.55	5.55	4.72	5.19	3.15	5.55	0.00	0.0%
806	10	4369	2.94	2.89	0.15	3.00	3.00	2.50	2.86	1.73	3.00	0.00	0.0%
807	15	4416	2.51	2.52	0.22	2.52	2.42	1.98	2.69	1.45	2.69	0.17	6.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
808	10	4369	0.42	0.41	0.04	0.45	0.45	0.35	0.36	0.17	0.45	0.00	0.0%
809	10	4369	0.51	0.49	0.05	0.54	0.54	0.41	0.35	0.15	0.54	0.00	0.0%
810	60	4567	0.82	0.76	0.22	0.85	0.37	0.85	1.11	0.61	1.11	0.26	30.6%
811	60	4567	0.62	0.57	0.18	0.65	0.10	0.65	0.83	0.45	0.83	0.18	27.7%
812	60	4567	0.16	0.16	0.05	0.18	0.05	0.18	0.20	0.10	0.20	0.02	11.1%
813	10	4379	0.66	0.66	0.02	0.67	0.65	0.64	0.75	0.39	0.75	0.08	11.9%
814	45	4538	11.56	11.41	0.64	11.64	10.68	12.16	9.68	8.31	12.16	0.52	4.5%
815	45	4544	12.14	12.01	0.74	12.21	10.79	13.16	9.87	8.79	13.16	0.95	7.8%
816	10	4369	0.07	0.06	0.01	0.07	0.07	0.06	0.07	0.03	0.07	0.00	0.0%
817	10	4369	0.19	0.18	0.02	0.20	0.20	0.16	0.20	0.09	0.20	0.00	0.0%
818	360	4725	96.79	102.56	13.41	101.44	61.70	100.74	93.41	110.82	110.82	9.38	9.2%
819	1440	4831	0.05	0.04	0.01	0.05	0.00	0.02	0.02	0.03	0.03	-0.02	-40.0%
820	60	4567	0.58	0.55	0.18	0.62	0.25	0.62	0.72	0.39	0.72	0.10	16.1%
821	360	4725	96.63	102.36	13.43	101.26	61.70	100.66	93.38	110.69	110.69	9.43	9.3%
822	60	4568	24.88	25.43	3.28	25.14	14.30	28.19	26.52	22.47	28.19	3.05	12.1%
823	120	4630	0.43	0.36	0.16	0.57	0.12	0.41	0.60	0.33	0.60	0.03	5.3%
824	60	4567	0.31	0.29	0.09	0.32	0.30	0.32	0.42	0.21	0.42	0.10	31.3%
825	10	4369	0.04	0.04	0.00	0.04	0.04	0.04	0.04	0.02	0.04	0.00	0.0%
826	10	4369	0.38	0.37	0.04	0.41	0.41	0.31	0.27	0.12	0.41	0.00	0.0%
827	10	4369	0.48	0.46	0.05	0.50	0.50	0.38	0.37	0.17	0.50	0.00	0.0%
828	10	4369	0.55	0.53	0.06	0.58	0.58	0.44	0.43	0.20	0.58	0.00	0.0%
829	15	4410	1.32	1.31	0.16	1.32	1.35	1.04	0.96	0.45	1.35	0.03	2.3%
830	10	4369	0.54	0.51	0.06	0.56	0.56	0.44	0.50	0.24	0.56	0.00	0.0%
831	10	4369	0.23	0.22	0.02	0.25	0.25	0.20	0.22	0.10	0.25	0.00	0.0%
832	15	4381	0.32	0.32	0.04	0.34	0.33	0.29	0.32	0.15	0.33	-0.01	-2.9%
833	10	4369	0.18	0.18	0.02	0.19	0.19	0.15	0.17	0.08	0.19	0.00	0.0%
834	10	4369	0.24	0.23	0.03	0.26	0.26	0.21	0.23	0.11	0.26	0.00	0.0%
835	10	4369	0.08	0.07	0.01	0.08	0.08	0.07	0.05	0.03	0.08	0.00	0.0%
836	10	4369	0.92	0.90	0.05	0.93	0.93	0.94	1.15	0.64	1.15	0.22	23.7%
837	10	4369	0.44	0.42	0.05	0.46	0.46	0.36	0.40	0.19	0.46	0.00	0.0%
838	10	4369	0.16	0.15	0.02	0.16	0.16	0.14	0.14	0.07	0.16	0.00	0.0%
839	60	4567	0.50	0.46	0.13	0.50	0.47	0.50	0.69	0.37	0.69	0.19	38.0%
840	10	4369	0.18	0.17	0.02	0.19	0.19	0.15	0.16	0.07	0.19	0.00	0.0%
841	15	4381	0.55	0.55	0.06	0.57	0.55	0.48	0.49	0.24	0.55	-0.02	-3.5%
842	10	4369	0.09	0.08	0.01	0.09	0.09	0.08	0.07	0.03	0.09	0.00	0.0%
843	15	4410	0.95	0.94	0.11	0.95	0.96	0.76	0.99	0.50	0.99	0.04	4.2%
844	15	4410	1.18	1.17	0.14	1.18	1.19	0.94	1.19	0.61	1.19	0.01	0.8%
845	10	4373	1.70	1.67	0.06	1.70	1.72	1.56	1.93	1.08	1.93	0.23	13.5%
846	10	4369	0.28	0.27	0.03	0.30	0.30	0.23	0.26	0.13	0.30	0.00	0.0%
847	10	4369	0.63	0.60	0.07	0.66	0.66	0.51	0.66	0.33	0.66	0.00	0.0%
848	10	4369	0.31	0.30	0.03	0.33	0.33	0.25	0.29	0.14	0.33	0.00	0.0%
849	15	4410	0.36	0.36	0.04	0.36	0.36	0.32	0.37	0.18	0.37	0.01	2.8%
850	10	4369	0.19	0.19	0.02	0.21	0.21	0.16	0.19	0.09	0.21	0.00	0.0%
851	15	4410	1.23	1.22	0.15	1.23	1.25	0.97	1.20	0.60	1.25	0.02	1.6%
852	10	4369	0.66	0.64	0.07	0.70	0.70	0.54	0.58	0.28	0.70	0.00	0.0%
853	15	4413	0.87	0.86	0.11	0.91	0.90	0.69	0.80	0.39	0.90	-0.01	-1.1%
854	15	4410	0.68	0.68	0.07	0.69	0.68	0.61	0.69	0.34	0.69	0.00	0.0%
855	15	4381	0.16	0.15	0.02	0.16	0.16	0.14	0.15	0.07	0.16	0.00	0.0%
856	10	4369	0.21	0.20	0.02	0.22	0.22	0.18	0.17	0.08	0.22	0.00	0.0%
857	15	4413	0.02	0.02	0.00	0.02	0.02	0.02	0.01	0.01	0.02	0.00	0.0%
858	10	4369	0.08	0.08	0.01	0.09	0.09	0.08	0.07	0.03	0.09	0.00	0.0%
859	10	4369	0.19	0.18	0.02	0.20	0.20	0.16	0.18	0.08	0.20	0.00	0.0%
860	10	4369	0.33	0.32	0.04	0.35	0.35	0.27	0.31	0.15	0.35	0.00	0.0%
861	10	4369	0.22	0.21	0.02	0.23	0.23	0.18	0.20	0.10	0.23	0.00	0.0%
862	10	4369	0.38	0.37	0.04	0.40	0.40	0.31	0.34	0.16	0.40	0.00	0.0%
863	10	4369	0.39	0.38	0.04	0.41	0.41	0.32	0.35	0.17	0.41	0.00	0.0%
864	15	4381	1.62	1.60	0.20	1.69	1.65	1.28	1.55	0.78	1.65	-0.04	-2.4%
865	10	4369	1.84	1.79	0.15	1.91	1.91	1.51	1.79	0.93	1.91	0.00	0.0%
866	10	4369	2.03	1.99	0.14	2.09	2.09	1.67	1.97	1.02	2.09	0.00	0.0%
867	10	4369	0.42	0.41	0.04	0.45	0.45	0.34	0.40	0.19	0.45	0.00	0.0%
868	10	4369	0.31	0.29	0.03	0.32	0.32	0.25	0.30	0.15	0.32	0.00	0.0%
869	10	4369	0.15	0.15	0.02	0.16	0.16	0.13	0.15	0.07	0.16	0.00	0.0%
870	10	4372	1.32	1.33	0.04	1.33	1.30	1.14	1.30	0.71	1.30	-0.03	-2.3%
871	60	4475	0.04	0.04	0.01	0.04	0.03	0.04	0.05	0.02	0.05	0.01	25.0%
872	10	4369	1.02	1.02	0.00	1.02	1.02	0.93	0.99	0.54	1.02	0.00	0.0%
873	10	4369	0.44	0.42	0.05	0.46	0.46	0.36	0.42	0.20	0.46	0.00	0.0%
874	15	4411	3.07	2.99	0.21	3.36	2.64	3.19	3.66	2.29	3.66	0.30	8.9%
875	15	4411	3.14	3.07	0.19	3.39	2.74	3.30	3.73	2.34	3.73	0.34	10.0%
876	15	4411	3.15	3.09	0.18	3.39	2.77	3.43	3.82	2.43	3.82	0.43	12.7%
877	10	4369	0.70	0.70	0.00	0.70	0.70	0.61	0.66	0.34	0.70	0.00	0.0%
878	10	4369	0.22	0.21	0.02	0.23	0.23	0.18	0.20	0.09	0.23	0.00	0.0%
879	60	4567	4.82	4.50	0.86	5.41	4.39	5.41	5.74	3.57	5.74	0.33	6.1%
880	15	4413	0.29	0.29	0.04	0.31	0.30	0.26	0.29	0.14	0.30	-0.01	-3.2%
881	60	4475	0.09	0.09	0.03	0.09	0.08	0.09	0.10	0.05	0.10	0.01	11.1%
882	15	4416	1.31	1.30	0.09	1.33	1.22	1.23	1.53	0.83	1.53	0.20	15.0%
883	10	4374	1.20	1.19	0.05	1.20	1.12	1.18	1.46	0.78	1.46	0.26	21.7%
884	60	4567	5.88	5.46	1.28	6.06	5.47	6.06	7.58	4.66	7.58	1.52	25.1%
885	60	4567	3.95	3.71	0.84	4.07	3.19	4.07	5.27	3.28	5.27	1.20	29.5%
886	10	4369	0.38	0.37	0.04	0.40	0.40	0.31	0.33	0.16	0.40	0.00	0.0%
887	10	4369	0.28	0.27	0.03	0.30	0.30	0.23	0.25	0.12	0.30	0.00	0.0%
888	10	4369	0.36	0.35	0.04	0.38	0.38	0.29	0.33	0.16	0.38	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)				Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4369 TP for the 10 minute duration	4567 TP for the 1 hour duration	4621 TP for the 2 hour duration	4730 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted							
889	60	4567	0.13	0.12	0.04	0.13	0.04	0.13	0.17	0.09	0.17	0.04	30.8%
890	10	4369	0.31	0.30	0.03	0.33	0.33	0.26	0.30	0.14	0.33	0.00	0.0%
891	10	4369	0.51	0.49	0.05	0.53	0.53	0.41	0.44	0.21	0.53	0.00	0.0%
892	10	4369	1.82	1.78	0.08	1.83	1.83	1.47	1.71	0.87	1.83	0.00	0.0%
893	15	4410	0.41	0.41	0.04	0.41	0.41	0.35	0.43	0.21	0.43	0.02	4.9%
894	15	4413	0.51	0.50	0.07	0.53	0.53	0.41	0.47	0.23	0.53	0.00	0.0%
895	10	4369	0.36	0.35	0.04	0.38	0.38	0.29	0.32	0.15	0.38	0.00	0.0%
896	10	4369	2.40	2.37	0.07	2.42	2.42	1.96	2.22	1.25	2.42	0.00	0.0%
897	10	4369	0.48	0.46	0.05	0.51	0.51	0.39	0.47	0.23	0.51	0.00	0.0%
898	10	4369	0.39	0.38	0.04	0.41	0.41	0.32	0.36	0.18	0.41	0.00	0.0%
899	10	4369	0.07	0.06	0.01	0.07	0.07	0.06	0.07	0.03	0.07	0.00	0.0%
900	10	4369	0.34	0.33	0.04	0.36	0.36	0.28	0.31	0.15	0.36	0.00	0.0%
901	10	4369	0.36	0.34	0.04	0.38	0.38	0.29	0.32	0.15	0.38	0.00	0.0%
902	15	4413	0.42	0.41	0.05	0.44	0.44	0.34	0.39	0.20	0.44	0.00	0.0%
903	10	4369	0.29	0.27	0.03	0.30	0.30	0.23	0.27	0.13	0.30	0.00	0.0%
904	120	4630	3.89	3.32	1.29	5.07	3.09	4.01	5.19	3.22	5.19	0.12	2.4%
905	10	4369	0.23	0.22	0.02	0.24	0.24	0.19	0.20	0.10	0.24	0.00	0.0%
906	15	4410	0.47	0.47	0.06	0.47	0.48	0.41	0.47	0.23	0.48	0.01	2.1%
907	60	4567	1.72	1.59	0.42	1.78	1.22	1.78	2.26	1.36	2.26	0.48	27.0%
908	60	4567	1.07	1.00	0.27	1.12	0.94	1.12	1.43	0.80	1.43	0.31	27.7%
909	60	4567	1.32	1.22	0.35	1.36	0.69	1.36	1.78	1.02	1.78	0.42	30.9%
910	10	4373	0.32	0.32	0.01	0.33	0.32	0.32	0.40	0.21	0.40	0.07	21.2%
911	10	4369	0.17	0.16	0.02	0.18	0.18	0.15	0.16	0.07	0.18	0.00	0.0%
912	15	4411	2.67	2.66	0.06	2.75	2.25	2.72	3.10	1.99	3.10	0.35	12.7%
913	10	4369	0.17	0.17	0.02	0.18	0.18	0.17	0.20	0.10	0.20	0.02	11.1%
914	10	4369	0.11	0.10	0.01	0.11	0.11	0.11	0.11	0.05	0.11	0.00	0.0%
915	10	4369	0.31	0.30	0.03	0.33	0.33	0.26	0.30	0.14	0.33	0.00	0.0%
916	15	4410	0.63	0.63	0.07	0.63	0.63	0.56	0.68	0.33	0.68	0.05	7.9%
917	15	4381	2.48	2.47	0.25	2.48	2.43	1.89	1.81	0.86	2.43	-0.05	-2.0%
918	10	4369	1.53	1.47	0.17	1.61	1.61	1.24	1.05	0.49	1.61	0.00	0.0%
919	10	4369	0.33	0.31	0.03	0.34	0.34	0.26	0.24	0.11	0.34	0.00	0.0%
920	15	4410	0.58	0.58	0.06	0.58	0.58	0.47	0.46	0.22	0.58	0.00	0.0%
921	10	4378	0.93	0.92	0.04	0.93	0.95	0.84	0.87	0.45	0.95	0.02	2.2%
922	10	4369	1.24	1.21	0.07	1.26	1.26	1.06	1.23	0.65	1.26	0.00	0.0%
923	10	4369	0.51	0.49	0.05	0.53	0.53	0.41	0.50	0.25	0.53	0.00	0.0%
924	10	4369	0.48	0.46	0.05	0.51	0.51	0.39	0.44	0.21	0.51	0.00	0.0%
925	10	4373	2.07	2.01	0.15	2.10	2.12	1.69	2.09	1.09	2.12	0.02	1.0%
926	15	4410	0.31	0.31	0.03	0.31	0.31	0.28	0.30	0.14	0.31	0.00	0.0%
927	10	4369	0.55	0.53	0.06	0.58	0.58	0.44	0.47	0.22	0.58	0.00	0.0%
928	10	4369	0.21	0.20	0.02	0.22	0.22	0.18	0.15	0.07	0.22	0.00	0.0%
929	10	4369	0.36	0.35	0.04	0.38	0.38	0.29	0.33	0.16	0.38	0.00	0.0%
930	10	4369	0.14	0.13	0.01	0.14	0.14	0.11	0.13	0.06	0.14	0.00	0.0%
931	15	4413	1.06	1.03	0.14	1.10	1.10	0.86	1.01	0.50	1.10	0.00	0.0%
932	10	4369	0.51	0.49	0.05	0.54	0.54	0.42	0.45	0.22	0.54	0.00	0.0%
933	10	4369	0.47	0.45	0.05	0.49	0.49	0.38	0.45	0.22	0.49	0.00	0.0%
934	10	4369	0.44	0.43	0.05	0.47	0.47	0.36	0.41	0.20	0.47	0.00	0.0%
935	15	4381	1.06	1.06	0.11	1.07	1.05	0.87	1.01	0.49	1.05	-0.02	-1.9%

Average Difference (All Subcatchments)	**7.25%**
Average Difference (Focus Locations)	**10.27%**

ARR2016 Results for 5% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
1	360	4731	141.45	143.76	20.36	141.77	153.88	141.77	153.88	12.11	8.5%
2	60	4567	1.02	0.99	0.30	1.11	1.11	0.74	1.11	0.00	0.0%
3	60	4565	1.00	1.00	0.30	1.01	1.13	0.68	1.13	0.12	11.9%
4	60	4567	1.95	1.85	0.54	2.11	2.11	1.48	2.11	0.00	0.0%
5	60	4567	2.23	2.20	0.56	2.46	2.46	1.64	2.46	0.00	0.0%
6	60	4565	5.94	5.85	1.32	6.03	6.59	4.57	6.59	0.56	9.3%
7	60	4567	6.77	6.37	1.41	7.22	7.22	5.68	7.22	0.00	0.0%
8	60	4565	7.44	7.38	1.40	7.47	8.18	5.88	8.18	0.71	9.5%
9	60	4565	1.04	1.06	0.29	1.04	1.12	0.64	1.12	0.08	7.7%
10	60	4567	9.17	8.71	2.30	9.94	9.94	7.06	9.94	0.00	0.0%
11	60	4565	1.00	0.99	0.30	1.01	1.13	0.68	1.13	0.12	11.9%
12	60	4567	3.77	3.66	1.04	4.18	4.18	2.74	4.18	0.00	0.0%
13	60	4567	0.65	0.61	0.15	0.68	0.68	0.54	0.68	0.00	0.0%
14	60	4567	0.88	0.82	0.21	0.91	0.91	0.71	0.91	0.00	0.0%
15	60	4567	2.05	1.92	0.49	2.17	2.17	1.68	2.17	0.00	0.0%
16	60	4567	14.35	13.95	2.81	15.44	15.44	11.82	15.44	0.00	0.0%
17	10	4369	1.00	0.96	0.11	1.06	0.92	0.53	0.92	-0.14	-13.2%
18	10	4378	3.87	3.79	0.20	3.87	3.74	2.25	3.74	-0.13	-3.4%
19	90	4593	1.16	1.17	0.25	1.19	1.04	1.05	1.05	-0.14	-11.8%
20	60	4567	5.10	4.95	1.27	5.63	5.63	3.78	5.63	0.00	0.0%
21	90	4594	6.20	6.35	1.44	6.76	6.57	5.13	6.57	-0.19	-2.8%
22	60	4567	15.84	15.65	2.90	17.12	17.12	12.97	17.12	0.00	0.0%
23	120	4625	1.51	1.36	0.44	1.54	1.37	1.30	1.37	-0.17	-11.0%
24	60	4567	6.08	5.85	1.44	6.66	6.66	4.73	6.66	0.00	0.0%
25	60	4567	7.25	6.97	1.54	7.89	7.89	5.89	7.89	0.00	0.0%
26	60	4567	10.72	10.37	2.46	11.68	11.68	8.24	11.68	0.00	0.0%
27	60	4475	1.29	1.30	0.36	1.33	1.40	0.82	1.40	0.07	5.3%
28	10	4369	1.21	1.17	0.13	1.28	1.17	0.76	1.17	-0.11	-8.6%
29	15	4408	5.21	5.31	0.41	5.43	5.52	3.45	5.52	0.09	1.7%
30	60	4567	1.29	1.22	0.35	1.37	1.37	0.99	1.37	0.00	0.0%
31	60	4568	21.75	21.84	3.65	21.76	23.69	18.05	23.69	1.93	8.9%
32	15	4413	1.59	1.54	0.22	1.63	1.39	0.74	1.39	-0.24	-14.7%
33	60	4567	6.44	6.20	1.29	7.21	7.21	4.49	7.21	0.00	0.0%
34	90	4593	14.34	14.81	1.55	15.35	14.45	15.09	15.09	-0.26	-1.7%
35	60	4567	1.20	1.12	0.30	1.23	1.23	0.96	1.23	0.00	0.0%
36	60	4567	4.35	4.05	1.06	4.65	4.65	3.44	4.65	0.00	0.0%
37	60	4567	1.95	1.85	0.49	2.04	2.04	1.53	2.04	0.00	0.0%
38	60	4567	2.33	2.21	0.60	2.54	2.54	1.72	2.54	0.00	0.0%
39	60	4567	5.74	5.36	1.36	6.11	6.11	4.57	6.11	0.00	0.0%
40	90	4594	22.28	22.28	5.25	23.94	24.15	18.55	24.15	0.21	0.9%
41	10	4369	0.97	0.93	0.10	1.02	0.98	0.62	0.98	-0.04	-3.9%
42	90	4594	25.59	25.72	5.37	27.64	26.49	21.68	26.49	-1.15	-4.2%
43	15	4413	1.78	1.73	0.25	1.83	1.56	0.93	1.56	-0.27	-14.8%
44	90	4593	14.35	14.82	1.54	15.36	14.46	15.11	15.11	-0.25	-1.6%
45	60	4567	0.93	0.88	0.24	0.98	0.98	0.74	0.98	0.00	0.0%
46	90	4594	25.82	25.96	5.35	27.85	26.60	21.85	26.60	-1.25	-4.5%
47	60	4567	0.75	0.70	0.19	0.77	0.77	0.61	0.77	0.00	0.0%
48	60	4567	1.34	1.27	0.33	1.38	1.38	1.04	1.38	0.00	0.0%
49	60	4565	0.90	0.89	0.27	0.90	0.99	0.65	0.99	0.09	10.0%
50	60	4567	2.79	2.63	0.69	2.95	2.95	2.21	2.95	0.00	0.0%
51	15	4413	1.77	1.72	0.24	1.82	1.49	0.75	1.49	-0.33	-18.1%
52	15	4381	2.93	2.92	0.25	3.00	2.89	1.92	2.89	-0.11	-3.7%
53	15	4413	2.73	2.66	0.36	2.80	2.73	1.73	2.73	-0.07	-2.5%
54	90	4594	26.52	26.89	5.33	28.66	27.06	22.36	27.06	-1.60	-5.6%
55	15	4413	1.80	1.75	0.25	1.85	1.55	0.82	1.55	-0.30	-16.2%
56	15	4415	4.95	4.97	0.43	4.97	4.61	2.96	4.61	-0.36	-7.2%
57	15	4410	6.86	6.81	0.59	6.99	6.35	4.00	6.35	-0.64	-9.2%
58	360	4731	14.87	15.38	1.80	15.33	14.40	15.33	15.33	0.00	0.0%
59	15	4413	2.81	2.73	0.39	2.89	2.27	1.22	2.27	-0.62	-21.5%
60	360	4731	17.19	17.88	2.11	17.73	14.66	17.73	17.73	0.00	0.0%
61	60	4567	3.03	2.86	0.75	3.27	3.27	2.30	3.27	0.00	0.0%
62	60	4567	4.67	4.48	1.02	4.98	4.98	3.69	4.98	0.00	0.0%
63	60	4567	1.31	1.22	0.32	1.34	1.34	1.06	1.34	0.00	0.0%
64	60	4567	8.60	8.28	1.83	9.42	9.42	6.79	9.42	0.00	0.0%
65	60	4567	0.71	0.67	0.19	0.75	0.75	0.55	0.75	0.00	0.0%
66	180	4658	27.96	26.63	5.86	28.10	27.49	22.84	27.49	-0.61	-2.2%
67	60	4565	0.84	0.83	0.25	0.84	0.93	0.60	0.93	0.09	10.7%
68	60	4567	1.12	1.07	0.30	1.17	1.17	0.87	1.17	0.00	0.0%
69	60	4565	10.73	10.64	1.88	10.80	11.72	8.67	11.72	0.92	8.5%
70	180	4658	28.25	26.94	5.90	28.36	27.57	22.95	27.57	-0.79	-2.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
71	10	4369	1.29	1.24	0.14	1.36	1.18	0.73	1.18	-0.18	-13.2%
72	180	4658	35.86	33.44	7.84	36.27	34.94	30.06	34.94	-1.33	-3.7%
73	60	4567	1.68	1.63	0.43	1.78	1.78	1.24	1.78	0.00	0.0%
74	60	4565	9.69	9.42	1.93	9.69	10.61	7.62	10.61	0.92	9.5%
75	10	4369	1.34	1.29	0.14	1.41	1.17	0.60	1.17	-0.24	-17.0%
76	10	4378	5.03	4.92	0.29	5.04	4.26	2.49	4.26	-0.78	-15.5%
77	10	4378	6.51	6.45	0.19	6.52	5.72	3.38	5.72	-0.80	-12.3%
78	360	4678	18.85	19.83	2.37	19.79	16.42	19.88	19.88	0.09	0.5%
79	10	4369	1.41	1.36	0.15	1.49	1.43	0.96	1.43	-0.06	-4.0%
80	180	4658	36.52	34.20	7.87	36.78	35.20	30.27	35.20	-1.58	-4.3%
81	10	4369	1.47	1.41	0.16	1.55	1.27	0.71	1.27	-0.28	-18.1%
82	120	4625	21.19	21.28	2.16	21.50	22.06	23.27	23.27	1.77	8.2%
83	60	4565	0.98	1.00	0.05	1.00	1.02	0.93	1.02	0.02	2.0%
84	60	4567	2.44	2.39	0.63	2.67	2.67	1.78	2.67	0.00	0.0%
85	60	4567	1.13	1.07	0.26	1.23	1.23	0.83	1.23	0.00	0.0%
86	60	4567	2.03	1.93	0.45	2.12	2.12	1.65	2.12	0.00	0.0%
87	15	4415	1.11	1.11	0.11	1.11	1.08	0.59	1.08	-0.03	-2.7%
88	180	4658	37.40	35.16	7.92	37.45	35.62	30.61	35.62	-1.83	-4.9%
89	60	4567	0.89	0.87	0.25	0.97	0.97	0.62	0.97	0.00	0.0%
90	180	4667	37.01	34.94	7.69	38.41	33.18	30.43	33.18	-5.23	-13.6%
91	15	4410	1.22	1.22	0.13	1.22	1.20	0.64	1.20	-0.02	-1.6%
92	60	4565	3.85	3.76	0.69	3.85	4.18	3.20	4.18	0.33	8.6%
93	60	4475	2.67	2.65	0.34	2.68	2.80	2.14	2.80	0.12	4.5%
94	180	4667	37.25	35.39	7.65	38.56	33.22	30.48	33.22	-5.34	-13.8%
95	10	4369	1.63	1.57	0.17	1.72	1.41	0.71	1.41	-0.31	-18.0%
96	10	4369	1.87	1.80	0.20	1.97	1.57	0.78	1.57	-0.40	-20.3%
97	10	4369	1.68	1.61	0.18	1.77	1.50	0.84	1.50	-0.27	-15.3%
98	360	4730	21.75	21.85	0.55	22.02	22.44	21.42	22.44	0.42	1.9%
99	10	4370	1.49	1.49	0.02	1.52	1.50	0.87	1.50	-0.02	-1.3%
100	180	4667	39.07	37.38	7.83	40.55	34.04	32.06	34.04	-6.51	-16.1%
101	15	4381	1.29	1.30	0.10	1.30	1.34	0.72	1.34	0.04	3.1%
102	90	4593	5.32	5.40	1.12	5.71	5.59	5.00	5.59	-0.12	-2.1%
103	15	4413	3.87	3.76	0.53	3.98	3.10	1.63	3.10	-0.88	-22.1%
104	15	4413	4.67	4.57	0.60	4.83	3.88	2.03	3.88	-0.95	-19.7%
105	10	4369	1.30	1.25	0.14	1.37	1.14	0.59	1.14	-0.23	-16.8%
106	45	4544	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
107	10	4372	1.58	1.59	0.04	1.59	1.66	0.98	1.66	0.07	4.4%
108	90	4593	5.79	5.93	1.16	6.34	5.86	5.59	5.86	-0.48	-7.6%
109	10	4369	1.34	1.29	0.14	1.41	1.18	0.69	1.18	-0.23	-16.3%
110	20	4441	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	10	4369	1.58	1.53	0.12	1.63	1.52	0.89	1.52	-0.11	-6.7%
112	180	4667	39.84	38.64	7.68	40.96	34.08	32.18	34.08	-6.88	-16.8%
113	60	4565	1.24	1.19	0.30	1.24	1.33	0.91	1.33	0.09	7.3%
114	60	4565	1.74	1.74	0.50	1.76	1.96	1.17	1.96	0.20	11.4%
115	15	4410	1.22	1.21	0.14	1.23	1.22	0.77	1.22	-0.01	-0.8%
116	10	4378	10.60	10.36	0.85	10.67	10.36	5.81	10.36	-0.31	-2.9%
117	60	4565	24.20	24.38	1.39	24.89	25.74	24.37	25.74	0.85	3.4%
118	180	4667	40.19	39.00	7.62	41.12	34.10	32.24	34.10	-7.02	-17.1%
119	10	4376	2.05	2.06	0.08	2.07	2.17	1.17	2.17	0.10	4.8%
120	60	4567	4.27	4.07	0.78	4.72	4.72	3.19	4.72	0.00	0.0%
121	60	4565	7.32	7.22	1.32	7.36	8.48	5.26	8.48	1.12	15.2%
122	90	4592	7.00	7.38	1.08	7.06	6.17	7.06	7.06	0.00	0.0%
123	15	4413	11.11	10.75	1.30	11.19	12.04	7.00	12.04	0.85	7.6%
124	20	4444	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
125	15	4410	1.98	1.96	0.23	1.98	2.01	1.04	2.01	0.03	1.5%
126	180	4659	61.59	62.82	9.30	62.80	49.23	54.26	54.26	-8.54	-13.6%
127	60	4565	2.53	2.52	0.64	2.59	2.85	1.62	2.85	0.26	10.0%
128	60	4567	5.54	5.23	1.34	6.07	6.07	4.29	6.07	0.00	0.0%
129	60	4565	2.11	2.08	0.54	2.15	2.36	1.42	2.36	0.21	9.8%
130	180	4659	65.85	68.26	9.67	68.03	49.54	62.00	62.00	-6.03	-8.9%
131	15	4415	4.04	4.05	0.28	4.04	4.29	2.52	4.29	0.25	6.2%
132	120	4628	11.91	11.54	2.01	12.47	11.67	11.80	11.80	-0.67	-5.4%
133	10	4369	3.11	3.05	0.22	3.21	3.23	1.80	3.23	0.02	0.6%
134	120	4625	13.38	13.18	2.24	14.20	13.63	13.06	13.63	-0.57	-4.0%
135	15	4410	2.24	2.23	0.25	2.25	2.06	1.10	2.06	-0.19	-8.4%
136	60	4567	1.88	1.81	0.44	2.04	2.04	1.29	2.04	0.00	0.0%
137	10	4373	1.40	1.38	0.04	1.42	1.43	0.80	1.43	0.01	0.7%
138	120	4628	14.66	14.78	2.44	15.78	15.16	14.61	15.16	-0.62	-3.9%
139	60	4567	11.87	11.04	2.42	12.79	12.79	9.50	12.79	0.00	0.0%
140	15	4413	1.10	1.08	0.14	1.14	1.00	0.58	1.00	-0.14	-12.3%
141	120	4621	15.27	15.37	2.50	16.28	16.09	15.25	16.09	-0.19	-1.2%
142	15	4410	0.71	0.70	0.08	0.71	0.71	0.33	0.71	0.00	0.0%
143	120	4621	16.08	15.95	2.49	16.49	17.67	16.08	17.67	1.18	7.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
144	60	4568	16.71	17.34	1.95	16.92	18.48	16.48	18.48	1.56	9.2%
145	180	4659	66.84	69.61	9.79	69.31	49.63	64.27	64.27	-5.04	-7.3%
146	10	4374	3.15	3.13	0.08	3.16	3.23	1.97	3.23	0.07	2.2%
147	15	4413	3.72	3.74	0.30	3.87	3.46	1.98	3.46	-0.41	-10.6%
148	10	4378	1.18	1.15	0.08	1.18	1.19	0.66	1.19	0.01	0.8%
149	10	4373	2.52	2.46	0.16	2.58	2.53	1.49	2.53	-0.05	-1.9%
150	10	4369	4.06	4.00	0.18	4.11	4.29	2.39	4.29	0.18	4.4%
151	15	4412	7.04	7.14	0.42	7.26	7.17	4.29	7.17	-0.09	-1.2%
152	15	4415	0.99	0.99	0.08	0.99	1.04	0.58	1.04	0.05	5.1%
153	360	4725	3.17	3.41	0.53	3.31	2.22	2.34	2.34	-0.97	-29.3%
154	10	4378	5.01	4.96	0.19	5.03	4.02	2.05	4.02	-1.01	-20.1%
155	180	4659	81.65	84.54	12.14	84.22	69.16	81.38	81.38	-2.84	-3.4%
156	10	4369	1.74	1.69	0.13	1.80	1.49	0.68	1.49	-0.31	-17.2%
157	10	4378	3.30	3.29	0.04	3.30	2.58	1.36	2.58	-0.72	-21.8%
158	60	4565	1.49	1.48	0.34	1.53	1.67	1.02	1.67	0.14	9.2%
159	180	4659	82.47	85.50	12.19	85.28	70.64	82.02	82.02	-3.26	-3.8%
160	10	4369	2.56	2.53	0.06	2.56	2.53	1.40	2.53	-0.03	-1.2%
161	10	4369	3.23	3.18	0.08	3.26	3.27	1.91	3.27	0.01	0.3%
162	15	4412	11.19	11.20	0.63	11.19	11.96	6.87	11.96	0.77	6.9%
163	180	4659	82.86	85.99	12.26	85.73	71.39	82.40	82.40	-3.33	-3.9%
164	15	4410	1.50	1.52	0.12	1.52	1.56	0.83	1.56	0.04	2.6%
165	60	4567	10.75	10.52	1.75	11.93	11.93	7.98	11.93	0.00	0.0%
166	60	4567	6.54	6.33	1.41	7.34	7.34	4.22	7.34	0.00	0.0%
167	60	4567	10.53	10.28	1.76	11.66	11.66	7.83	11.66	0.00	0.0%
168	15	4381	1.06	1.07	0.11	1.06	1.11	0.67	1.11	0.05	4.7%
169	60	4475	1.26	1.27	0.33	1.27	1.40	0.76	1.40	0.13	10.2%
170	60	4475	2.29	2.28	0.61	2.32	2.52	1.44	2.52	0.20	8.6%
171	60	4567	11.99	11.82	1.85	13.47	13.47	8.85	13.47	0.00	0.0%
172	60	4565	1.58	1.54	0.39	1.59	1.76	1.12	1.76	0.17	10.7%
173	60	4565	2.22	2.19	0.60	2.28	2.53	1.45	2.53	0.25	11.0%
174	360	4731	87.03	89.08	12.59	88.12	79.50	88.12	88.12	0.00	0.0%
175	60	4565	4.16	4.04	0.94	4.21	4.61	2.90	4.61	0.40	9.5%
176	60	4567	1.15	1.12	0.30	1.25	1.25	0.86	1.25	0.00	0.0%
177	60	4565	1.61	1.57	0.44	1.63	1.81	1.12	1.81	0.18	11.0%
178	60	4567	2.76	2.65	0.71	3.05	3.05	1.99	3.05	0.00	0.0%
179	15	4381	4.01	4.05	0.30	4.04	4.16	2.25	4.16	0.12	3.0%
180	15	4410	1.18	1.18	0.12	1.18	1.27	0.66	1.27	0.09	7.6%
181	360	4731	88.85	91.06	12.86	90.01	82.94	90.01	90.01	0.00	0.0%
182	15	4413	1.40	1.37	0.18	1.45	1.41	0.76	1.41	-0.04	-2.8%
183	60	4567	3.29	3.17	0.75	3.57	3.57	2.30	3.57	0.00	0.0%
184	10	4369	0.90	0.86	0.09	0.94	0.81	0.41	0.81	-0.13	-13.8%
185	60	4567	5.84	5.57	1.29	6.47	6.47	4.08	6.47	0.00	0.0%
186	60	4565	1.35	1.33	0.37	1.37	1.54	0.88	1.54	0.17	12.4%
187	60	4565	1.48	1.48	0.37	1.49	1.63	1.01	1.63	0.14	9.4%
188	60	4565	1.26	1.23	0.33	1.28	1.42	0.86	1.42	0.14	10.9%
189	60	4565	3.04	2.98	0.74	3.09	3.43	2.08	3.43	0.34	11.0%
190	10	4378	1.21	1.20	0.04	1.21	1.31	0.69	1.31	0.10	8.3%
191	360	4731	89.10	91.34	12.89	90.14	83.29	90.14	90.14	0.00	0.0%
192	60	4567	7.72	7.41	1.34	8.62	8.62	5.70	8.62	0.00	0.0%
193	60	4568	14.92	15.10	1.94	15.07	17.15	11.12	17.15	2.08	13.8%
194	10	4370	1.32	1.32	0.00	1.33	1.48	0.78	1.48	0.15	11.3%
195	10	4369	6.55	6.44	0.22	6.65	6.25	3.15	6.25	-0.40	-6.0%
196	10	4372	1.48	1.49	0.02	1.49	1.44	0.87	1.44	-0.05	-3.4%
197	60	4565	22.80	22.86	3.26	23.11	26.28	16.90	26.28	3.17	13.7%
198	15	4410	7.76	7.84	0.54	7.78	8.16	4.36	8.16	0.38	4.9%
199	360	4731	89.40	91.71	12.93	90.29	83.66	90.29	90.29	0.00	0.0%
200	60	4565	0.97	0.96	0.28	0.99	1.10	0.64	1.10	0.11	11.1%
201	60	4568	23.59	23.78	3.29	23.60	27.21	17.51	27.21	3.61	15.3%
202	60	4565	7.27	7.12	1.56	7.30	8.05	4.93	8.05	0.75	10.3%
203	60	4568	24.03	24.35	3.27	24.19	27.70	17.97	27.70	3.51	14.5%
204	60	4565	6.52	6.52	1.10	6.56	7.13	4.86	7.13	0.57	8.7%
205	360	4731	91.20	93.80	13.17	91.47	85.97	91.47	91.47	0.00	0.0%
206	60	4565	1.06	1.06	0.30	1.08	1.19	0.72	1.19	0.11	10.2%
207	60	4565	31.32	31.53	4.64	32.05	35.75	23.08	35.75	3.70	11.5%
208	60	4565	1.52	1.48	0.36	1.53	1.71	1.01	1.71	0.18	11.8%
209	360	4672	94.87	97.98	13.75	95.55	92.88	96.16	96.16	0.61	0.6%
210	10	4369	1.06	1.05	0.02	1.07	1.15	0.63	1.15	0.08	7.5%
211	360	4672	95.39	98.59	13.81	96.01	93.40	96.74	96.74	0.73	0.8%
212	10	4378	2.10	2.08	0.10	2.11	1.90	0.95	1.90	-0.21	-10.0%
213	60	4568	32.58	33.56	4.41	33.37	37.01	23.83	37.01	3.64	10.9%
214	60	4565	2.20	2.20	0.55	2.26	2.49	1.43	2.49	0.23	10.2%
215	360	4672	95.58	98.76	13.81	96.22	93.50	96.85	96.85	0.63	0.7%
216	60	4568	32.90	34.10	4.34	33.99	37.36	24.11	37.36	3.37	9.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
217	360	4672	96.44	99.95	13.92	96.87	94.37	98.20	98.20	1.33	1.4%
218	1440	4831	0.16	0.16	0.02	0.17	0.03	0.12	0.12	-0.05	-29.4%
219	60	4565	2.11	2.10	0.55	2.15	2.38	1.28	2.38	0.23	10.7%
220	10	4369	1.31	1.25	0.14	1.38	1.12	0.62	1.12	-0.26	-18.8%
221	15	4413	2.25	2.18	0.31	2.31	1.83	1.05	1.83	-0.48	-20.8%
222	10	4378	5.97	5.87	0.40	6.01	5.50	3.27	5.50	-0.51	-8.5%
223	15	4409	5.25	5.29	0.27	5.35	5.26	3.44	5.26	-0.09	-1.7%
224	15	4408	1.93	1.94	0.16	1.94	1.82	1.10	1.82	-0.12	-6.2%
225	10	4378	2.49	2.40	0.22	2.49	2.31	1.28	2.31	-0.18	-7.2%
226	15	4381	1.57	1.58	0.13	1.58	1.46	0.87	1.46	-0.12	-7.6%
227	10	4369	4.34	4.24	0.30	4.48	4.12	2.40	4.12	-0.36	-8.0%
228	15	4381	1.05	1.03	0.12	1.09	0.96	0.59	0.96	-0.13	-11.9%
229	10	4378	5.73	5.63	0.27	5.74	5.57	3.21	5.57	-0.17	-3.0%
230	10	4378	2.75	2.70	0.18	2.77	2.51	1.48	2.51	-0.26	-9.4%
231	15	4413	11.24	11.06	1.02	11.26	12.34	7.76	12.34	1.08	9.6%
232	60	4565	1.18	1.17	0.33	1.19	1.33	0.78	1.33	0.14	11.8%
233	30	4510	19.98	19.99	0.71	20.02	24.22	14.53	24.22	4.20	21.0%
234	360	4730	0.38	0.37	0.06	0.41	0.37	0.50	0.50	0.09	22.0%
235	360	4731	118.39	123.04	17.69	122.12	131.57	122.12	131.57	9.45	7.7%
236	15	4413	0.84	0.81	0.11	0.86	0.72	0.40	0.72	-0.14	-16.3%
237	30	4511	20.84	20.78	0.50	20.91	25.31	15.10	25.31	4.40	21.0%
238	60	4567	2.33	2.27	0.61	2.57	2.57	1.68	2.57	0.00	0.0%
239	360	4730	0.38	0.37	0.06	0.41	0.37	0.50	0.50	0.09	22.0%
240	10	4369	1.87	1.79	0.20	1.97	1.51	0.65	1.51	-0.46	-23.4%
241	60	4568	13.73	13.56	2.04	13.80	15.72	9.56	15.72	1.92	13.9%
242	15	4412	7.58	7.52	0.40	7.60	7.82	4.95	7.82	0.22	2.9%
243	60	4568	14.43	14.59	1.91	15.11	16.62	9.79	16.62	1.51	10.0%
244	60	4565	1.54	1.55	0.40	1.58	1.75	1.01	1.75	0.17	10.8%
245	360	4731	119.50	124.10	17.65	122.86	132.14	122.86	132.14	9.28	7.6%
246	10	4369	1.63	1.56	0.17	1.71	1.31	0.62	1.31	-0.40	-23.4%
247	15	4413	3.02	2.93	0.42	3.10	2.42	1.02	2.42	-0.68	-21.9%
248	15	4413	1.61	1.56	0.22	1.66	1.35	0.67	1.35	-0.31	-18.7%
249	15	4413	5.92	5.78	0.78	6.13	4.68	2.10	4.68	-1.45	-23.7%
250	60	4573	21.56	21.48	2.65	21.72	26.14	15.55	26.14	4.42	20.3%
251	360	4731	119.87	124.35	17.59	122.93	132.23	122.93	132.23	9.30	7.6%
252	15	4413	3.46	3.36	0.47	3.56	2.76	1.19	2.76	-0.80	-22.5%
253	15	4411	10.22	9.66	1.31	10.33	10.40	5.76	10.40	0.07	0.7%
254	60	4565	1.76	1.74	0.43	1.83	2.01	1.15	2.01	0.18	9.8%
255	360	4731	132.88	136.94	19.94	136.19	148.73	136.19	148.73	12.54	9.2%
256	10	4378	7.94	7.70	0.70	7.97	6.35	3.05	6.35	-1.62	-20.3%
257	25	4470	10.76	10.67	0.97	10.78	11.86	6.25	11.86	1.08	10.0%
258	45	4543	15.01	14.91	0.92	15.03	16.05	9.15	16.05	1.02	6.8%
259	360	4731	133.59	137.33	19.91	136.28	148.84	136.28	148.84	12.56	9.2%
260	10	4376	3.20	3.22	0.13	3.21	2.86	1.69	2.86	-0.35	-10.9%
261	15	4410	3.46	3.47	0.29	3.58	3.55	2.29	3.55	-0.03	-0.8%
262	15	4408	6.57	6.61	0.40	6.66	6.81	4.30	6.81	0.15	2.3%
263	360	4731	139.79	142.83	20.54	141.50	153.59	141.50	153.59	12.09	8.5%
264	60	4475	1.02	1.01	0.29	1.03	1.11	0.69	1.11	0.08	7.8%
265	60	4567	1.94	1.87	0.53	2.11	2.11	1.47	2.11	0.00	0.0%
266	60	4565	1.21	1.19	0.36	1.21	1.33	0.88	1.33	0.12	9.9%
267	60	4567	3.00	2.84	0.69	3.15	3.15	2.33	3.15	0.00	0.0%
268	60	4565	0.99	0.96	0.28	1.00	1.10	0.70	1.10	0.10	10.0%
269	60	4567	1.86	1.76	0.51	2.00	2.00	1.42	2.00	0.00	0.0%
270	60	4567	1.13	1.10	0.32	1.25	1.25	0.80	1.25	0.00	0.0%
271	60	4565	4.42	4.22	1.06	4.44	4.84	3.40	4.84	0.40	9.0%
272	90	4593	2.13	2.13	0.54	2.19	2.13	1.84	2.13	-0.06	-2.7%
273	60	4567	2.80	2.67	0.72	3.05	3.05	2.08	3.05	0.00	0.0%
274	60	4565	1.14	1.11	0.33	1.15	1.27	0.80	1.27	0.12	10.4%
275	60	4567	4.31	4.09	1.16	4.70	4.70	3.23	4.70	0.00	0.0%
276	45	4542	0.41	0.38	0.08	0.44	0.47	0.24	0.47	0.03	6.8%
277	60	4567	5.45	5.20	1.48	5.95	5.95	4.07	5.95	0.00	0.0%
278	60	4567	3.27	3.11	0.79	3.53	3.53	2.58	3.53	0.00	0.0%
279	60	4567	5.89	5.63	1.55	6.41	6.41	4.39	6.41	0.00	0.0%
280	90	4593	1.46	1.45	0.36	1.48	1.45	1.26	1.45	-0.03	-2.0%
281	60	4567	5.27	4.96	1.17	5.65	5.65	4.28	5.65	0.00	0.0%
282	60	4567	1.78	1.70	0.49	1.91	1.91	1.35	1.91	0.00	0.0%
283	60	4565	4.49	4.41	0.91	4.51	4.90	3.56	4.90	0.39	8.6%
284	60	4567	2.46	2.32	0.62	2.59	2.59	1.97	2.59	0.00	0.0%
285	60	4565	0.98	0.96	0.28	0.99	1.08	0.71	1.08	0.09	9.1%
286	60	4567	5.51	5.28	1.32	6.08	6.08	4.23	6.08	0.00	0.0%
287	60	4568	5.43	5.49	0.94	5.44	5.95	4.45	5.95	0.51	9.4%
288	60	4567	14.31	13.90	2.82	15.40	15.40	11.80	15.40	0.00	0.0%
289	90	4593	1.79	1.75	0.46	1.81	1.78	1.52	1.78	-0.03	-1.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
290	90	4594	1.18	1.15	0.29	1.24	1.14	1.02	1.14	-0.10	-8.1%
291	60	4567	1.76	1.65	0.43	1.84	1.84	1.43	1.84	0.00	0.0%
292	60	4567	15.84	15.65	2.91	17.12	17.12	12.96	17.12	0.00	0.0%
293	90	4594	6.05	6.18	1.42	6.57	6.50	5.01	6.50	-0.07	-1.1%
294	60	4567	10.36	9.98	2.43	11.27	11.27	7.97	11.27	0.00	0.0%
295	90	4593	14.35	14.82	1.54	15.36	14.45	15.10	15.10	-0.26	-1.7%
296	90	4594	22.61	22.51	1.29	23.13	23.82	22.67	23.82	0.69	3.0%
297	60	4573	23.18	23.43	1.23	23.84	24.69	23.30	24.69	0.85	3.6%
298	10	4378	10.35	10.08	0.86	10.41	9.23	5.15	9.23	-1.18	-11.3%
299	60	4565	0.98	0.99	0.05	0.99	1.01	0.93	1.01	0.02	2.0%
300	60	4567	1.99	1.95	0.55	2.21	2.21	1.41	2.21	0.00	0.0%
301	60	4565	3.66	3.58	0.98	3.72	4.03	2.64	4.03	0.31	8.3%
302	60	4567	9.06	8.71	2.11	9.92	9.92	6.95	9.92	0.00	0.0%
303	60	4567	3.19	3.06	0.74	3.57	3.57	2.24	3.57	0.00	0.0%
304	60	4565	2.31	2.29	0.60	2.35	2.63	1.47	2.63	0.28	11.9%
305	60	4565	6.78	6.66	1.28	6.80	7.87	4.90	7.87	1.07	15.7%
306	60	4565	4.97	4.83	1.16	5.02	5.55	3.40	5.55	0.53	10.6%
307	1440	4831	0.06	0.05	0.01	0.06	0.01	0.04	0.04	-0.02	-33.3%
308	60	4568	14.24	14.34	1.94	14.78	16.36	9.72	16.36	1.58	10.7%
309	15	4413	7.43	7.36	0.37	7.46	7.66	4.84	7.66	0.20	2.7%
310	360	4731	133.50	137.28	19.91	136.27	148.82	136.27	148.82	12.55	9.2%
311	45	4543	14.24	14.11	0.78	14.33	14.34	8.74	14.34	0.01	0.1%
312	10	4376	3.02	3.02	0.13	3.04	2.73	1.60	2.73	-0.31	-10.2%
313	10	4378	2.69	2.62	0.18	2.70	2.45	1.46	2.45	-0.25	-9.3%
314	15	4413	11.10	10.91	0.99	11.21	12.08	7.56	12.08	0.87	7.8%
315	15	4413	4.79	4.71	0.60	4.99	4.03	2.42	4.03	-0.96	-19.2%
316	10	4378	3.48	3.44	0.15	3.49	3.34	1.94	3.34	-0.15	-4.3%
317	60	4568	14.74	14.90	1.93	14.86	16.92	10.95	16.92	2.06	13.9%
318	60	4567	7.67	7.36	1.34	8.55	8.55	5.65	8.55	0.00	0.0%
319	360	4660	3.46	3.60	0.40	3.58	2.31	2.42	2.42	-1.16	-32.4%
320	360	4672	3.37	3.46	0.21	3.44	2.21	2.94	2.94	-0.50	-14.5%
321	360	4731	3.50	3.53	0.18	3.52	2.25	3.52	3.52	0.00	0.0%
322	360	4696	3.53	3.58	0.20	3.55	2.35	3.78	3.78	0.23	6.5%
323	360	4696	3.19	3.23	0.14	3.21	2.37	3.21	3.21	0.00	0.0%
324	360	4696	3.17	3.22	0.14	3.19	3.06	3.20	3.20	0.01	0.3%
325	60	4567	11.75	10.95	2.37	12.74	12.74	9.37	12.74	0.00	0.0%
326	60	4567	9.68	9.27	2.14	10.57	10.57	7.59	10.57	0.00	0.0%
327	15	4381	2.14	2.11	0.26	2.23	1.91	1.04	1.91	-0.32	-14.3%
328	10	4369	1.67	1.63	0.12	1.73	1.87	1.07	1.87	0.14	8.1%
329	60	4565	0.48	0.48	0.15	0.49	0.55	0.32	0.55	0.06	12.2%
330	60	4565	6.21	6.16	1.16	6.24	6.84	4.62	6.84	0.60	9.6%
331	10	4369	6.50	6.40	0.21	6.59	5.70	2.85	5.70	-0.89	-13.5%
332	10	4379	3.47	3.44	0.11	3.50	3.47	1.93	3.47	-0.03	-0.9%
333	10	4369	1.28	1.23	0.14	1.35	1.10	0.60	1.10	-0.25	-18.5%
334	60	4567	8.41	8.09	2.02	9.22	9.22	6.30	9.22	0.00	0.0%
335	15	4413	1.09	1.07	0.14	1.14	1.12	0.64	1.12	-0.02	-1.8%
336	15	4410	2.34	2.38	0.20	2.37	2.29	1.33	2.29	-0.08	-3.4%
337	15	4381	1.52	1.52	0.15	1.53	1.42	0.77	1.42	-0.11	-7.2%
338	15	4381	1.75	1.74	0.21	1.81	1.51	0.91	1.51	-0.30	-16.6%
339	15	4413	3.26	3.17	0.45	3.35	2.65	1.48	2.65	-0.70	-20.9%
340	15	4410	2.39	2.37	0.27	2.39	2.38	1.62	2.38	-0.01	-0.4%
341	60	4567	1.11	1.07	0.31	1.19	1.19	0.84	1.19	0.00	0.0%
342	360	4731	15.12	15.79	2.01	15.40	14.63	15.40	15.40	0.00	0.0%
343	10	4378	10.49	10.25	0.86	10.56	9.66	5.38	9.66	-0.90	-8.5%
344	60	4567	3.10	2.99	0.72	3.37	3.37	2.19	3.37	0.00	0.0%
345	60	4475	0.79	0.78	0.20	0.79	0.83	0.53	0.83	0.04	5.1%
346	10	4369	0.83	0.79	0.09	0.87	0.74	0.42	0.74	-0.13	-14.9%
347	15	4410	1.06	1.06	0.11	1.06	1.08	0.59	1.08	0.02	1.9%
348	60	4567	6.87	6.53	1.38	7.61	7.61	4.79	7.61	0.00	0.0%
349	60	4565	6.92	6.76	1.57	6.93	7.67	4.67	7.67	0.74	10.7%
350	15	4413	2.22	2.19	0.27	2.30	1.88	1.08	1.88	-0.42	-18.3%
351	60	4565	31.72	32.11	4.61	32.58	36.14	23.44	36.14	3.56	10.9%
352	10	4378	3.17	3.15	0.10	3.18	3.18	1.60	3.18	0.00	0.0%
353	15	4381	4.16	4.16	0.42	4.16	3.38	1.61	3.38	-0.78	-18.8%
354	60	4565	0.94	0.94	0.27	0.97	1.07	0.61	1.07	0.10	10.3%
355	60	4573	21.07	20.97	2.64	21.33	25.69	15.23	25.69	4.36	20.4%
356	60	4573	21.36	21.26	2.64	21.56	25.95	15.39	25.95	4.39	20.4%
357	15	4410	0.99	1.00	0.09	1.00	1.10	0.65	1.10	0.10	10.0%
358	15	4381	9.96	9.57	1.30	11.01	9.27	5.49	9.27	-1.74	-15.8%
359	10	4378	9.02	8.77	0.79	9.07	7.82	4.67	7.82	-1.25	-13.8%
360	15	4411	10.17	9.62	1.30	10.27	9.93	5.70	9.93	-0.34	-3.3%
361	60	4568	5.24	5.19	0.63	5.24	5.64	4.83	5.64	0.40	7.6%
362	15	4381	1.43	1.42	0.16	1.45	1.51	0.86	1.51	0.06	4.1%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
363	15	4415	0.97	0.97	0.10	0.97	0.96	0.58	0.96	-0.01	-1.0%
364	10	4369	1.09	1.04	0.12	1.15	0.97	0.55	0.97	-0.18	-15.7%
365	60	4475	1.11	1.10	0.30	1.13	1.19	0.72	1.19	0.06	5.3%
366	15	4381	1.23	1.22	0.15	1.27	1.13	0.61	1.13	-0.14	-11.0%
367	60	4567	4.08	4.06	0.54	4.26	4.26	3.54	4.26	0.00	0.0%
368	15	4410	1.03	1.02	0.12	1.03	0.99	0.51	0.99	-0.04	-3.9%
369	10	4374	2.70	2.69	0.06	2.70	2.94	1.87	2.94	0.24	8.9%
370	15	4410	1.61	1.60	0.15	1.62	1.65	1.03	1.65	0.03	1.9%
371	10	4369	1.36	1.31	0.15	1.43	1.13	0.66	1.13	-0.30	-21.0%
372	10	4369	1.08	1.04	0.12	1.14	1.03	0.59	1.03	-0.11	-9.6%
373	10	4369	2.36	2.34	0.07	2.37	2.37	1.32	2.37	0.00	0.0%
374	15	4410	0.91	0.90	0.11	0.91	0.85	0.37	0.85	-0.06	-6.6%
375	60	4567	2.05	1.93	0.55	2.18	2.18	1.58	2.18	0.00	0.0%
376	60	4565	1.58	1.57	0.47	1.59	1.76	1.13	1.76	0.17	10.7%
377	15	4413	11.07	10.71	1.30	11.16	11.84	6.91	11.84	0.68	6.1%
378	180	4659	81.48	84.34	12.13	83.97	68.81	81.22	81.22	-2.75	-3.3%
379	10	4369	0.62	0.60	0.07	0.65	0.56	0.29	0.56	-0.09	-13.8%
380	15	4408	4.67	4.74	0.22	4.74	4.48	2.94	4.48	-0.26	-5.5%
381	60	4565	0.75	0.74	0.22	0.75	0.83	0.54	0.83	0.08	10.7%
382	60	4567	1.13	1.11	0.29	1.24	1.24	0.80	1.24	0.00	0.0%
383	60	4475	0.24	0.24	0.07	0.25	0.27	0.14	0.27	0.02	8.0%
384	60	4565	13.86	13.84	1.98	13.90	15.77	10.21	15.77	1.87	13.5%
385	60	4565	31.32	31.52	4.64	32.04	35.74	23.08	35.74	3.70	11.5%
386	60	4567	1.80	1.70	0.45	1.86	1.86	1.40	1.86	0.00	0.0%
387	60	4567	1.01	0.94	0.26	1.05	1.05	0.79	1.05	0.00	0.0%
388	60	4567	4.29	4.07	1.15	4.68	4.68	3.21	4.68	0.00	0.0%
389	180	4667	39.64	38.42	7.72	40.88	34.07	32.16	34.07	-6.81	-16.7%
390	10	4369	0.27	0.26	0.03	0.28	0.28	0.12	0.28	0.00	0.0%
391	60	4567	1.53	1.52	0.41	1.71	1.71	1.00	1.71	0.00	0.0%
392	60	4475	0.52	0.52	0.15	0.53	0.57	0.33	0.57	0.04	7.5%
393	60	4475	0.26	0.26	0.08	0.27	0.29	0.16	0.29	0.02	7.4%
394	10	4369	1.01	0.97	0.11	1.07	0.98	0.67	0.98	-0.09	-8.4%
395	15	4413	1.61	1.58	0.20	1.67	1.51	0.84	1.51	-0.16	-9.6%
396	10	4369	0.95	0.91	0.10	1.00	0.88	0.51	0.88	-0.12	-12.0%
397	60	4568	13.66	13.46	2.05	13.67	15.62	9.53	15.62	1.95	14.3%
398	10	4369	0.32	0.30	0.03	0.33	0.30	0.16	0.30	-0.03	-9.1%
399	10	4369	0.13	0.12	0.01	0.14	0.14	0.07	0.14	0.00	0.0%
400	360	4730	0.31	0.31	0.04	0.31	0.15	0.37	0.37	0.06	19.4%
401	60	4567	1.95	1.91	0.53	2.17	2.17	1.38	2.17	0.00	0.0%
402	10	4369	1.55	1.49	0.17	1.63	1.27	0.63	1.27	-0.36	-22.1%
403	10	4369	0.97	0.93	0.10	1.02	0.92	0.49	0.92	-0.10	-9.8%
404	15	4415	6.31	6.34	0.21	6.40	6.83	3.99	6.83	0.43	6.7%
405	15	4381	2.92	2.89	0.35	3.02	2.62	1.43	2.62	-0.40	-13.2%
406	15	4410	2.01	2.00	0.23	2.02	1.91	1.02	1.91	-0.11	-5.4%
407	180	4667	39.58	38.35	7.74	40.86	34.07	32.16	34.07	-6.79	-16.6%
408	90	4595	7.02	7.37	1.14	7.15	6.40	6.99	6.99	-0.16	-2.2%
409	90	4592	6.99	7.37	1.08	7.06	6.17	7.06	7.06	0.00	0.0%
410	120	4628	12.00	11.58	2.04	12.48	11.79	11.78	11.79	-0.69	-5.5%
411	60	4567	1.16	1.10	0.29	1.20	1.20	0.91	1.20	0.00	0.0%
412	60	4567	1.56	1.48	0.43	1.67	1.67	1.19	1.67	0.00	0.0%
413	60	4567	1.41	1.36	0.37	1.48	1.48	1.03	1.48	0.00	0.0%
414	15	4413	2.41	2.33	0.33	2.47	2.25	1.33	2.25	-0.22	-8.9%
415	15	4413	2.66	2.58	0.37	2.73	2.28	1.43	2.28	-0.45	-16.5%
416	10	4369	0.70	0.67	0.07	0.74	0.64	0.34	0.64	-0.10	-13.5%
417	15	4410	0.74	0.74	0.08	0.74	0.77	0.39	0.77	0.03	4.1%
418	60	4565	1.40	1.39	0.39	1.45	1.63	0.87	1.63	0.18	12.4%
419	60	4565	4.81	4.64	1.19	4.84	5.34	3.57	5.34	0.50	10.3%
420	60	4568	16.55	17.17	1.92	16.78	18.30	16.36	18.30	1.52	9.1%
421	10	4369	0.69	0.66	0.07	0.73	0.60	0.31	0.60	-0.13	-17.8%
422	15	4413	7.44	7.27	0.98	7.68	6.05	3.66	6.05	-1.63	-21.2%
423	15	4413	3.52	3.42	0.48	3.62	2.85	1.73	2.85	-0.77	-21.3%
424	15	4413	2.78	2.69	0.38	2.85	2.28	1.40	2.28	-0.57	-20.0%
425	10	4369	0.74	0.71	0.08	0.78	0.59	0.24	0.59	-0.19	-24.4%
426	60	4565	0.66	0.66	0.20	0.66	0.74	0.47	0.74	0.08	12.1%
427	10	4369	0.99	0.95	0.11	1.05	1.05	0.65	1.05	0.00	0.0%
428	10	4369	1.46	1.41	0.16	1.54	1.27	0.64	1.27	-0.27	-17.5%
429	60	4567	18.37	17.91	3.89	20.08	20.08	14.33	20.08	0.00	0.0%
430	10	4369	0.35	0.33	0.04	0.37	0.35	0.16	0.35	-0.02	-5.4%
431	10	4369	1.06	1.02	0.11	1.12	0.95	0.50	0.95	-0.17	-15.2%
432	10	4369	0.75	0.72	0.08	0.80	0.67	0.33	0.67	-0.13	-16.3%
433	15	4410	1.47	1.48	0.11	1.50	1.36	0.67	1.36	-0.14	-9.3%
434	15	4381	0.93	0.92	0.11	0.96	0.94	0.53	0.94	-0.02	-2.1%
435	15	4413	0.52	0.51	0.07	0.54	0.50	0.24	0.50	-0.04	-7.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
436	60	4567	5.11	5.03	0.65	5.47	5.47	4.62	5.47	0.00	0.0%
437	60	4567	4.62	4.51	0.68	4.95	4.95	4.04	4.95	0.00	0.0%
438	60	4567	4.48	4.34	0.71	4.81	4.81	3.88	4.81	0.00	0.0%
439	60	4567	4.42	4.27	0.72	4.74	4.74	3.82	4.74	0.00	0.0%
440	60	4565	3.84	3.75	0.69	3.84	4.17	3.19	4.17	0.33	8.6%
441	60	4565	3.79	3.71	0.69	3.80	4.12	3.12	4.12	0.32	8.4%
442	60	4565	3.61	3.56	0.67	3.63	3.91	2.94	3.91	0.28	7.7%
443	90	4593	5.28	5.35	1.11	5.64	5.57	4.95	5.57	-0.07	-1.2%
444	90	4593	5.32	5.39	1.12	5.71	5.59	5.00	5.59	-0.12	-2.1%
445	60	4565	0.44	0.44	0.13	0.44	0.50	0.30	0.50	0.06	13.6%
446	60	4475	0.28	0.29	0.09	0.29	0.32	0.19	0.32	0.03	10.3%
447	60	4567	1.27	1.25	0.33	1.39	1.39	0.90	1.39	0.00	0.0%
448	60	4565	0.75	0.74	0.22	0.75	0.83	0.54	0.83	0.08	10.7%
449	60	4565	0.68	0.68	0.20	0.68	0.76	0.44	0.76	0.08	11.8%
450	20	4444	0.06	0.06	0.01	0.07	0.07	0.03	0.07	0.00	0.0%
451	60	4565	0.27	0.27	0.07	0.27	0.30	0.16	0.30	0.03	11.1%
452	45	4478	0.15	0.14	0.03	0.16	0.17	0.09	0.17	0.01	6.2%
453	60	4567	1.94	1.81	0.45	1.97	1.97	1.61	1.97	0.00	0.0%
454	10	4369	0.45	0.43	0.05	0.48	0.47	0.28	0.47	-0.01	-2.1%
455	60	4567	1.99	1.86	0.46	2.05	2.05	1.63	2.05	0.00	0.0%
456	60	4565	0.09	0.08	0.02	0.09	0.10	0.07	0.10	0.01	11.1%
457	60	4475	0.46	0.46	0.12	0.47	0.49	0.30	0.49	0.02	4.3%
458	10	4369	0.19	0.19	0.02	0.20	0.20	0.09	0.20	0.00	0.0%
459	15	4381	0.58	0.57	0.07	0.61	0.59	0.30	0.59	-0.02	-3.3%
460	15	4381	0.98	0.98	0.11	0.99	0.98	0.51	0.98	-0.01	-1.0%
461	15	4381	1.27	1.28	0.10	1.27	1.31	0.70	1.31	0.04	3.1%
462	10	4369	0.55	0.53	0.06	0.58	0.55	0.36	0.55	-0.03	-5.2%
463	10	4369	0.23	0.22	0.02	0.24	0.24	0.12	0.24	0.00	0.0%
464	60	4475	0.31	0.31	0.08	0.31	0.34	0.19	0.34	0.03	9.7%
465	60	4475	0.09	0.10	0.03	0.10	0.11	0.05	0.11	0.01	10.0%
466	60	4475	0.33	0.33	0.10	0.33	0.38	0.21	0.38	0.05	15.2%
467	60	4565	1.33	1.33	0.39	1.34	1.51	0.87	1.51	0.17	12.7%
468	15	4410	0.97	0.96	0.11	0.97	0.96	0.51	0.96	-0.01	-1.0%
469	10	4369	0.63	0.60	0.07	0.66	0.60	0.30	0.60	-0.06	-9.1%
470	10	4369	0.34	0.32	0.04	0.36	0.36	0.18	0.36	0.00	0.0%
471	10	4369	0.28	0.27	0.03	0.29	0.29	0.14	0.29	0.00	0.0%
472	10	4369	0.21	0.20	0.02	0.22	0.22	0.11	0.22	0.00	0.0%
473	15	4413	0.36	0.35	0.05	0.37	0.36	0.19	0.36	-0.01	-2.7%
474	15	4410	1.27	1.27	0.14	1.27	1.25	0.70	1.25	-0.02	-1.6%
475	15	4410	1.09	1.08	0.13	1.09	1.06	0.59	1.06	-0.03	-2.8%
476	10	4369	0.10	0.10	0.01	0.11	0.12	0.06	0.12	0.01	9.1%
477	10	4369	0.17	0.17	0.02	0.18	0.17	0.07	0.17	-0.01	-5.6%
478	10	4369	0.34	0.33	0.04	0.36	0.34	0.17	0.34	-0.02	-5.6%
479	15	4413	0.57	0.56	0.07	0.59	0.54	0.29	0.54	-0.05	-8.5%
480	15	4410	1.26	1.26	0.09	1.28	1.22	0.71	1.22	-0.06	-4.7%
481	10	4370	1.49	1.49	0.02	1.52	1.50	0.86	1.50	-0.02	-1.3%
482	60	4475	0.03	0.03	0.01	0.03	0.03	0.02	0.03	0.00	0.0%
483	60	4475	0.11	0.11	0.03	0.11	0.12	0.07	0.12	0.01	9.1%
484	60	4565	0.23	0.22	0.07	0.23	0.25	0.15	0.25	0.02	8.7%
485	10	4369	0.63	0.60	0.07	0.66	0.60	0.31	0.60	-0.06	-9.1%
486	15	4416	0.59	0.60	0.06	0.60	0.61	0.34	0.61	0.01	1.7%
487	45	4542	0.10	0.10	0.02	0.10	0.12	0.05	0.12	0.02	20.0%
488	45	4478	0.13	0.12	0.03	0.13	0.15	0.08	0.15	0.02	15.4%
489	15	4410	1.22	1.21	0.14	1.22	1.20	0.76	1.20	-0.02	-1.6%
490	45	4478	0.05	0.05	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
491	60	4475	0.18	0.18	0.06	0.19	0.21	0.11	0.21	0.02	10.5%
492	60	4565	0.39	0.39	0.11	0.41	0.45	0.26	0.45	0.04	9.8%
493	45	4478	0.06	0.06	0.01	0.07	0.08	0.03	0.08	0.01	14.3%
494	60	4475	0.12	0.12	0.04	0.13	0.14	0.08	0.14	0.01	7.7%
495	10	4369	0.16	0.15	0.02	0.17	0.19	0.09	0.19	0.02	11.8%
496	10	4369	0.21	0.20	0.02	0.22	0.22	0.11	0.22	0.00	0.0%
497	60	4475	0.45	0.44	0.12	0.45	0.48	0.31	0.48	0.03	6.7%
498	60	4475	0.24	0.24	0.07	0.24	0.27	0.17	0.27	0.03	12.5%
499	60	4475	0.22	0.22	0.06	0.23	0.25	0.13	0.25	0.02	8.7%
500	10	4369	0.26	0.25	0.03	0.28	0.27	0.13	0.27	-0.01	-3.6%
501	10	4369	0.29	0.28	0.03	0.30	0.30	0.15	0.30	0.00	0.0%
502	15	4413	11.10	10.74	1.30	11.19	12.02	7.00	12.02	0.83	7.4%
503	60	4565	0.36	0.37	0.10	0.36	0.38	0.22	0.38	0.02	5.6%
504	10	4369	0.54	0.52	0.06	0.57	0.53	0.31	0.53	-0.04	-7.0%
505	60	4475	0.20	0.20	0.06	0.21	0.23	0.12	0.23	0.02	9.5%
506	10	4369	0.15	0.15	0.02	0.16	0.17	0.09	0.17	0.01	6.2%
507	60	4565	0.27	0.27	0.08	0.27	0.30	0.18	0.30	0.03	11.1%
508	60	4565	0.14	0.14	0.04	0.14	0.16	0.09	0.16	0.02	14.3%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
509	60	4565	0.41	0.41	0.13	0.42	0.47	0.28	0.47	0.05	11.9%
510	15	4408	1.59	1.59	0.12	1.59	1.62	0.95	1.62	0.03	1.9%
511	10	4377	2.04	2.04	0.05	2.06	2.04	1.22	2.04	-0.02	-1.0%
512	10	4374	2.17	2.17	0.05	2.19	2.15	1.29	2.15	-0.04	-1.8%
513	15	4381	1.06	1.05	0.12	1.10	1.02	0.61	1.02	-0.08	-7.3%
514	10	4369	0.41	0.40	0.04	0.43	0.39	0.18	0.39	-0.04	-9.3%
515	10	4369	0.47	0.45	0.05	0.49	0.46	0.25	0.46	-0.03	-6.1%
516	10	4369	0.17	0.17	0.02	0.18	0.19	0.09	0.19	0.01	5.6%
517	10	4369	0.21	0.20	0.02	0.22	0.23	0.10	0.23	0.01	4.5%
518	60	4475	0.52	0.52	0.16	0.52	0.58	0.35	0.58	0.06	11.5%
519	10	4369	0.53	0.51	0.06	0.56	0.56	0.34	0.56	0.00	0.0%
520	60	4565	0.82	0.82	0.23	0.83	0.92	0.54	0.92	0.09	10.8%
521	60	4475	0.19	0.19	0.05	0.19	0.20	0.12	0.20	0.01	5.3%
522	60	4475	0.23	0.23	0.06	0.23	0.24	0.14	0.24	0.01	4.3%
523	60	4565	0.25	0.26	0.07	0.26	0.28	0.14	0.28	0.02	7.7%
524	60	4565	0.39	0.40	0.11	0.42	0.47	0.24	0.47	0.05	11.9%
525	10	4369	1.52	1.46	0.16	1.60	1.22	0.49	1.22	-0.38	-23.8%
526	10	4369	0.32	0.30	0.03	0.33	0.30	0.14	0.30	-0.03	-9.1%
527	60	4475	1.36	1.34	0.34	1.37	1.48	0.90	1.48	0.11	8.0%
528	15	4381	0.31	0.31	0.04	0.33	0.27	0.11	0.27	-0.06	-18.2%
529	10	4369	0.10	0.10	0.01	0.11	0.09	0.04	0.09	-0.02	-18.2%
530	15	4413	0.72	0.70	0.09	0.75	0.68	0.39	0.68	-0.07	-9.3%
531	15	4413	0.26	0.25	0.03	0.27	0.28	0.12	0.28	0.01	3.7%
532	20	4444	0.05	0.05	0.01	0.05	0.06	0.02	0.06	0.01	20.0%
533	45	4542	0.43	0.40	0.09	0.44	0.50	0.23	0.50	0.06	13.6%
534	10	4369	0.90	0.87	0.10	0.95	0.75	0.33	0.75	-0.20	-21.1%
535	60	4565	0.44	0.44	0.14	0.45	0.50	0.31	0.50	0.05	11.1%
536	60	4475	0.48	0.47	0.14	0.48	0.54	0.32	0.54	0.06	12.5%
537	60	4565	0.42	0.42	0.13	0.42	0.47	0.28	0.47	0.05	11.9%
538	45	4544	0.05	0.05	0.01	0.07	0.06	0.03	0.06	-0.01	-14.3%
539	60	4475	0.13	0.14	0.04	0.13	0.15	0.07	0.15	0.02	15.4%
540	60	4475	0.21	0.22	0.06	0.21	0.25	0.12	0.25	0.04	19.0%
541	60	4565	0.53	0.54	0.15	0.55	0.62	0.32	0.62	0.07	12.7%
542	60	4565	0.25	0.26	0.07	0.25	0.28	0.15	0.28	0.03	12.0%
543	60	4565	1.11	1.09	0.31	1.11	1.23	0.76	1.23	0.12	10.8%
544	60	4475	0.27	0.27	0.08	0.28	0.30	0.17	0.30	0.02	7.1%
545	60	4565	0.57	0.57	0.16	0.58	0.65	0.35	0.65	0.07	12.1%
546	60	4565	0.63	0.63	0.18	0.65	0.73	0.40	0.73	0.08	12.3%
547	60	4567	1.11	1.10	0.32	1.23	1.23	0.74	1.23	0.00	0.0%
548	60	4567	1.18	1.17	0.34	1.31	1.31	0.79	1.31	0.00	0.0%
549	60	4565	0.80	0.80	0.23	0.83	0.94	0.49	0.94	0.11	13.3%
550	60	4565	1.31	1.29	0.36	1.33	1.50	0.84	1.50	0.17	12.8%
551	60	4565	2.97	2.92	0.74	3.02	3.36	2.03	3.36	0.34	11.3%
552	60	4565	3.03	2.97	0.74	3.08	3.42	2.06	3.42	0.34	11.0%
553	60	4565	1.08	1.06	0.29	1.09	1.22	0.72	1.22	0.13	11.9%
554	60	4475	0.12	0.13	0.04	0.13	0.14	0.08	0.14	0.01	7.7%
555	60	4565	0.43	0.43	0.13	0.43	0.48	0.28	0.48	0.05	11.6%
556	60	4565	5.60	5.46	1.19	5.63	6.21	4.02	6.21	0.58	10.3%
557	60	4565	5.19	5.04	1.16	5.24	5.79	3.61	5.79	0.55	10.5%
558	60	4565	0.66	0.66	0.20	0.67	0.75	0.44	0.75	0.08	11.9%
559	60	4565	0.45	0.45	0.13	0.46	0.50	0.30	0.50	0.04	8.7%
560	60	4475	0.30	0.30	0.09	0.31	0.35	0.19	0.35	0.04	12.9%
561	10	4369	0.14	0.14	0.01	0.15	0.16	0.07	0.16	0.01	6.7%
562	45	4542	0.24	0.22	0.05	0.25	0.28	0.13	0.28	0.03	12.0%
563	10	4369	0.53	0.51	0.06	0.56	0.44	0.18	0.44	-0.12	-21.4%
564	10	4369	0.24	0.23	0.02	0.25	0.21	0.09	0.21	-0.04	-16.0%
565	60	4565	0.47	0.47	0.13	0.48	0.55	0.28	0.55	0.07	14.6%
566	60	4565	0.77	0.77	0.22	0.79	0.88	0.47	0.88	0.09	11.4%
567	60	4565	0.87	0.87	0.24	0.91	1.00	0.55	1.00	0.09	9.9%
568	60	4565	1.08	1.06	0.30	1.11	1.23	0.69	1.23	0.12	10.8%
569	60	4565	0.17	0.17	0.05	0.17	0.19	0.11	0.19	0.02	11.8%
570	60	4565	1.30	1.28	0.35	1.32	1.48	0.84	1.48	0.16	12.1%
571	60	4565	0.15	0.16	0.04	0.16	0.18	0.09	0.18	0.02	12.5%
572	10	4378	0.59	0.59	0.01	0.59	0.55	0.26	0.55	-0.04	-6.8%
573	15	4381	0.93	0.92	0.11	0.97	0.78	0.36	0.78	-0.19	-19.6%
574	15	4413	0.41	0.40	0.05	0.42	0.36	0.16	0.36	-0.06	-14.3%
575	60	4475	0.28	0.28	0.08	0.29	0.31	0.17	0.31	0.02	6.9%
576	60	4565	0.12	0.12	0.04	0.12	0.14	0.08	0.14	0.02	16.7%
577	60	4565	0.30	0.29	0.08	0.30	0.33	0.20	0.33	0.03	10.0%
578	60	4475	0.13	0.13	0.04	0.13	0.14	0.08	0.14	0.01	7.7%
579	45	4542	1.55	1.49	0.29	1.57	1.76	0.90	1.76	0.19	12.1%
580	60	4565	0.10	0.10	0.03	0.10	0.11	0.06	0.11	0.01	10.0%
581	15	4410	7.49	7.61	0.51	7.54	7.69	4.05	7.69	0.15	2.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
582	15	4381	0.31	0.31	0.04	0.32	0.36	0.17	0.36	0.04	12.5%
583	10	4369	0.24	0.23	0.03	0.26	0.25	0.12	0.25	-0.01	-3.8%
584	10	4369	0.50	0.48	0.05	0.53	0.49	0.23	0.49	-0.04	-7.5%
585	10	4369	1.30	1.30	0.00	1.30	1.38	0.71	1.38	0.08	6.2%
586	10	4378	1.19	1.19	0.02	1.19	1.30	0.66	1.30	0.11	9.2%
587	10	4369	0.20	0.19	0.02	0.21	0.22	0.10	0.22	0.01	4.8%
588	45	4542	0.09	0.08	0.02	0.09	0.11	0.05	0.11	0.02	22.2%
589	10	4369	0.51	0.49	0.05	0.54	0.48	0.24	0.48	-0.06	-11.1%
590	15	4413	0.63	0.61	0.08	0.65	0.61	0.31	0.61	-0.04	-6.2%
591	15	4413	0.85	0.84	0.10	0.89	0.84	0.44	0.84	-0.05	-5.6%
592	10	4369	0.20	0.19	0.02	0.21	0.20	0.09	0.20	-0.01	-4.8%
593	60	4565	0.17	0.18	0.05	0.18	0.20	0.10	0.20	0.02	11.1%
594	60	4565	0.19	0.20	0.06	0.20	0.23	0.11	0.23	0.03	15.0%
595	45	4542	0.50	0.46	0.10	0.52	0.56	0.28	0.56	0.04	7.7%
596	10	4369	0.20	0.19	0.02	0.21	0.20	0.09	0.20	-0.01	-4.8%
597	10	4369	0.23	0.22	0.02	0.24	0.19	0.07	0.19	-0.05	-20.8%
598	10	4369	0.42	0.41	0.04	0.45	0.36	0.14	0.36	-0.09	-20.0%
599	15	4381	0.71	0.71	0.08	0.72	0.79	0.39	0.79	0.07	9.7%
600	10	4369	0.22	0.21	0.02	0.24	0.24	0.10	0.24	0.00	0.0%
601	60	4565	0.15	0.15	0.04	0.15	0.17	0.09	0.17	0.02	13.3%
602	10	4369	0.46	0.44	0.05	0.49	0.42	0.18	0.42	-0.07	-14.3%
603	15	4410	0.81	0.80	0.09	0.81	0.80	0.37	0.80	-0.01	-1.2%
604	10	4369	2.22	2.18	0.12	2.25	2.23	1.02	2.23	-0.02	-0.9%
605	10	4369	0.33	0.31	0.03	0.34	0.31	0.13	0.31	-0.03	-8.8%
606	10	4369	0.18	0.17	0.02	0.19	0.14	0.06	0.14	-0.05	-26.3%
607	15	4416	1.46	1.47	0.14	1.46	1.40	0.61	1.40	-0.06	-4.1%
608	10	4369	0.63	0.60	0.07	0.66	0.52	0.21	0.52	-0.14	-21.2%
609	15	4415	1.37	1.37	0.13	1.37	1.29	0.57	1.29	-0.08	-5.8%
610	15	4413	0.72	0.70	0.09	0.74	0.66	0.32	0.66	-0.08	-10.8%
611	15	4413	0.07	0.07	0.01	0.07	0.08	0.03	0.08	0.01	14.3%
612	10	4369	2.42	2.36	0.11	2.47	2.47	1.15	2.47	0.00	0.0%
613	10	4369	0.09	0.08	0.01	0.09	0.09	0.04	0.09	0.00	0.0%
614	15	4410	0.49	0.49	0.06	0.49	0.48	0.23	0.48	-0.01	-2.0%
615	15	4410	0.54	0.54	0.06	0.54	0.52	0.26	0.52	-0.02	-3.7%
616	10	4369	0.11	0.11	0.01	0.12	0.11	0.05	0.11	-0.01	-8.3%
617	60	4475	0.32	0.32	0.10	0.33	0.36	0.20	0.36	0.03	9.1%
618	10	4369	0.49	0.47	0.05	0.52	0.40	0.16	0.40	-0.12	-23.1%
619	60	4565	0.85	0.82	0.23	0.87	0.94	0.60	0.94	0.07	8.0%
620	60	4567	1.04	1.01	0.28	1.13	1.13	0.76	1.13	0.00	0.0%
621	15	4413	0.15	0.15	0.02	0.16	0.16	0.06	0.16	0.00	0.0%
622	60	4565	0.25	0.25	0.08	0.26	0.29	0.18	0.29	0.03	11.5%
623	60	4565	0.45	0.43	0.12	0.45	0.50	0.31	0.50	0.05	11.1%
624	60	4565	0.47	0.46	0.13	0.47	0.52	0.33	0.52	0.05	10.6%
625	60	4565	0.48	0.48	0.14	0.49	0.54	0.33	0.54	0.05	10.2%
626	60	4565	1.46	1.42	0.40	1.47	1.62	1.00	1.62	0.15	10.2%
627	15	4413	0.52	0.51	0.07	0.54	0.52	0.24	0.52	-0.02	-3.7%
628	10	4369	0.31	0.30	0.03	0.33	0.28	0.12	0.28	-0.05	-15.2%
629	60	4565	0.22	0.22	0.07	0.22	0.25	0.14	0.25	0.03	13.6%
630	60	4565	0.10	0.10	0.03	0.10	0.11	0.06	0.11	0.01	10.0%
631	60	4565	0.33	0.33	0.10	0.34	0.37	0.23	0.37	0.03	8.8%
632	10	4369	0.25	0.24	0.03	0.27	0.28	0.12	0.28	0.01	3.7%
633	10	4369	0.41	0.39	0.04	0.43	0.41	0.20	0.41	-0.02	-4.7%
634	10	4369	0.62	0.59	0.07	0.65	0.58	0.29	0.58	-0.07	-10.8%
635	15	4410	0.76	0.76	0.08	0.76	0.79	0.41	0.79	0.03	3.9%
636	10	4369	0.42	0.40	0.04	0.44	0.40	0.19	0.40	-0.04	-9.1%
637	10	4369	0.58	0.56	0.06	0.62	0.56	0.31	0.56	-0.06	-9.7%
638	10	4369	0.44	0.42	0.05	0.46	0.41	0.21	0.41	-0.05	-10.9%
639	15	4381	1.06	1.07	0.11	1.06	1.10	0.67	1.10	0.04	3.8%
640	10	4369	0.47	0.45	0.05	0.50	0.45	0.22	0.45	-0.05	-10.0%
641	10	4369	0.31	0.30	0.03	0.33	0.29	0.13	0.29	-0.04	-12.1%
642	15	4410	0.86	0.85	0.10	0.86	0.79	0.34	0.79	-0.07	-8.1%
643	10	4369	0.68	0.65	0.07	0.72	0.56	0.23	0.56	-0.16	-22.2%
644	10	4369	1.83	1.76	0.20	1.92	1.47	0.65	1.47	-0.45	-23.4%
645	10	4369	0.45	0.43	0.05	0.48	0.46	0.23	0.46	-0.02	-4.2%
646	10	4373	1.39	1.38	0.04	1.42	1.42	0.79	1.42	0.00	0.0%
647	15	4410	0.65	0.65	0.07	0.65	0.66	0.33	0.66	0.01	1.5%
648	10	4369	0.20	0.19	0.02	0.21	0.20	0.09	0.20	-0.01	-4.8%
649	15	4381	0.83	0.83	0.10	0.86	0.80	0.43	0.80	-0.06	-7.0%
650	15	4410	1.18	1.17	0.13	1.18	1.18	0.61	1.18	0.00	0.0%
651	10	4369	0.35	0.34	0.04	0.37	0.34	0.18	0.34	-0.03	-8.1%
652	10	4369	0.34	0.32	0.04	0.36	0.35	0.16	0.35	-0.01	-2.8%
653	10	4369	0.48	0.46	0.05	0.50	0.46	0.22	0.46	-0.04	-8.0%
654	15	4413	0.60	0.59	0.08	0.63	0.59	0.29	0.59	-0.04	-6.3%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
655	10	4369	0.32	0.31	0.03	0.34	0.33	0.17	0.33	-0.01	-2.9%
656	10	4369	0.17	0.16	0.02	0.17	0.18	0.09	0.18	0.01	5.9%
657	10	4369	0.31	0.30	0.03	0.33	0.31	0.14	0.31	-0.02	-6.1%
658	10	4369	0.14	0.13	0.01	0.14	0.14	0.06	0.14	0.00	0.0%
659	15	4413	0.44	0.43	0.06	0.45	0.46	0.21	0.46	0.01	2.2%
660	10	4369	0.26	0.25	0.03	0.27	0.26	0.12	0.26	-0.01	-3.7%
661	45	4542	0.12	0.12	0.03	0.12	0.15	0.07	0.15	0.03	25.0%
662	15	4410	0.89	0.88	0.11	0.89	0.85	0.42	0.85	-0.04	-4.5%
663	10	4369	0.19	0.18	0.02	0.20	0.19	0.09	0.19	-0.01	-5.0%
664	15	4381	2.55	2.52	0.31	2.66	2.28	1.25	2.28	-0.38	-14.3%
665	10	4369	1.55	1.49	0.17	1.63	1.34	0.73	1.34	-0.29	-17.8%
666	60	4567	9.55	9.16	2.13	10.43	10.43	7.46	10.43	0.00	0.0%
667	10	4369	0.42	0.40	0.04	0.44	0.42	0.21	0.42	-0.02	-4.5%
668	10	4369	0.19	0.18	0.02	0.20	0.22	0.10	0.22	0.02	10.0%
669	15	4410	1.54	1.53	0.17	1.54	1.52	0.84	1.52	-0.02	-1.3%
670	15	4413	1.37	1.35	0.17	1.43	1.43	0.83	1.43	0.00	0.0%
671	10	4369	0.86	0.82	0.09	0.90	0.81	0.45	0.81	-0.09	-10.0%
672	60	4565	2.47	2.48	0.64	2.55	2.80	1.60	2.80	0.25	9.8%
673	10	4369	0.33	0.32	0.04	0.35	0.35	0.18	0.35	0.00	0.0%
674	10	4369	0.16	0.15	0.02	0.17	0.16	0.08	0.16	-0.01	-5.9%
675	60	4475	0.52	0.53	0.15	0.54	0.56	0.32	0.56	0.02	3.7%
676	10	4369	0.33	0.31	0.03	0.34	0.34	0.18	0.34	0.00	0.0%
677	60	4567	0.75	0.73	0.22	0.81	0.81	0.55	0.81	0.00	0.0%
678	60	4567	1.02	0.99	0.29	1.12	1.12	0.75	1.12	0.00	0.0%
679	60	4565	1.56	1.56	0.45	1.58	1.76	1.03	1.76	0.18	11.4%
680	60	4475	0.56	0.57	0.16	0.59	0.62	0.34	0.62	0.03	5.1%
681	10	4369	0.18	0.17	0.02	0.19	0.20	0.08	0.20	0.01	5.3%
682	15	4413	0.45	0.44	0.06	0.47	0.48	0.24	0.48	0.01	2.1%
683	60	4565	4.36	4.23	1.13	4.43	4.85	3.16	4.85	0.42	9.5%
684	60	4475	0.27	0.27	0.08	0.28	0.31	0.17	0.31	0.03	10.7%
685	25	4470	0.08	0.08	0.02	0.08	0.09	0.04	0.09	0.01	12.5%
686	15	4413	0.08	0.08	0.01	0.08	0.08	0.03	0.08	0.00	0.0%
687	10	4369	0.12	0.12	0.01	0.13	0.15	0.06	0.15	0.02	15.4%
688	15	4416	0.58	0.58	0.06	0.58	0.59	0.29	0.59	0.01	1.7%
689	60	4565	0.27	0.27	0.08	0.27	0.30	0.18	0.30	0.03	11.1%
690	60	4475	0.31	0.32	0.10	0.32	0.35	0.20	0.35	0.03	9.4%
691	60	4565	0.34	0.33	0.10	0.34	0.37	0.25	0.37	0.03	8.8%
692	45	4542	0.08	0.07	0.02	0.08	0.10	0.04	0.10	0.02	25.0%
693	45	4478	0.20	0.18	0.04	0.21	0.22	0.11	0.22	0.01	4.8%
694	15	4410	1.40	1.39	0.13	1.41	1.48	0.91	1.48	0.07	5.0%
695	10	4379	2.29	2.26	0.09	2.37	2.46	1.59	2.46	0.09	3.8%
696	60	4567	4.76	4.58	1.04	5.25	5.25	3.26	5.25	0.00	0.0%
697	10	4369	0.57	0.55	0.06	0.60	0.51	0.25	0.51	-0.09	-15.0%
698	10	4369	0.60	0.58	0.06	0.64	0.55	0.26	0.55	-0.09	-14.1%
699	10	4369	0.12	0.12	0.01	0.13	0.15	0.06	0.15	0.02	15.4%
700	10	4369	0.84	0.80	0.09	0.88	0.75	0.41	0.75	-0.13	-14.8%
701	10	4369	0.99	0.95	0.10	1.04	0.91	0.48	0.91	-0.13	-12.5%
702	15	4413	0.84	0.83	0.10	0.88	0.79	0.41	0.79	-0.09	-10.2%
703	10	4369	0.49	0.47	0.05	0.52	0.48	0.25	0.48	-0.04	-7.7%
704	10	4369	0.11	0.11	0.01	0.12	0.12	0.06	0.12	0.00	0.0%
705	10	4369	0.12	0.11	0.01	0.12	0.13	0.05	0.13	0.01	8.3%
706	10	4369	0.17	0.16	0.02	0.17	0.17	0.10	0.17	0.00	0.0%
707	15	4413	0.78	0.76	0.10	0.81	0.75	0.41	0.75	-0.06	-7.4%
708	60	4567	7.38	7.03	1.38	8.18	8.18	5.28	8.18	0.00	0.0%
709	60	4567	7.49	7.16	1.37	8.33	8.33	5.43	8.33	0.00	0.0%
710	60	4567	7.54	7.21	1.36	8.39	8.39	5.49	8.39	0.00	0.0%
711	10	4369	0.21	0.20	0.02	0.22	0.22	0.10	0.22	0.00	0.0%
712	10	4369	0.33	0.32	0.04	0.35	0.32	0.14	0.32	-0.03	-8.6%
713	10	4369	0.33	0.32	0.04	0.35	0.34	0.16	0.34	-0.01	-2.9%
714	15	4413	0.51	0.50	0.07	0.53	0.50	0.25	0.50	-0.03	-5.7%
715	60	4568	14.24	14.30	2.00	14.24	16.28	10.50	16.28	2.04	14.3%
716	10	4369	0.32	0.30	0.03	0.33	0.32	0.17	0.32	-0.01	-3.0%
717	60	4567	6.54	6.17	1.38	7.23	7.23	4.60	7.23	0.00	0.0%
718	10	4369	0.87	0.84	0.09	0.92	0.78	0.40	0.78	-0.14	-15.2%
719	15	4413	0.59	0.58	0.07	0.61	0.58	0.34	0.58	-0.03	-4.9%
720	10	4369	0.26	0.25	0.03	0.27	0.26	0.15	0.26	-0.01	-3.7%
721	10	4369	0.36	0.35	0.04	0.38	0.34	0.15	0.34	-0.04	-10.5%
722	10	4369	0.28	0.27	0.03	0.29	0.29	0.14	0.29	0.00	0.0%
723	15	4413	0.42	0.41	0.05	0.43	0.41	0.20	0.41	-0.02	-4.7%
724	60	4475	0.34	0.35	0.09	0.35	0.38	0.21	0.38	0.03	8.6%
725	15	4416	1.00	1.02	0.12	1.02	1.07	0.65	1.07	0.05	4.9%
726	60	4565	0.33	0.34	0.09	0.33	0.35	0.20	0.35	0.02	6.1%
727	60	4565	22.53	22.54	3.26	22.82	25.95	16.69	25.95	3.13	13.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
728	45	4542	0.13	0.12	0.03	0.13	0.15	0.07	0.15	0.02	15.4%
729	60	4565	0.10	0.11	0.03	0.10	0.11	0.07	0.11	0.01	10.0%
730	10	4369	0.11	0.11	0.01	0.12	0.13	0.05	0.13	0.01	8.3%
731	15	4410	0.26	0.27	0.03	0.26	0.30	0.13	0.30	0.04	15.4%
732	15	4410	1.09	1.08	0.13	1.09	1.00	0.57	1.00	-0.09	-8.3%
733	10	4378	0.20	0.19	0.01	0.20	0.22	0.11	0.22	0.02	10.0%
734	45	4478	0.11	0.10	0.02	0.11	0.12	0.07	0.12	0.01	9.1%
735	15	4413	0.17	0.17	0.02	0.18	0.19	0.10	0.19	0.01	5.6%
736	60	4565	0.97	0.96	0.28	0.99	1.10	0.64	1.10	0.11	11.1%
737	60	4565	0.41	0.41	0.12	0.41	0.46	0.27	0.46	0.05	12.2%
738	60	4565	0.45	0.45	0.14	0.45	0.51	0.29	0.51	0.06	13.3%
739	60	4475	0.24	0.24	0.07	0.24	0.27	0.16	0.27	0.03	12.5%
740	60	4565	0.72	0.72	0.21	0.73	0.81	0.47	0.81	0.08	11.0%
741	60	4475	0.12	0.13	0.03	0.12	0.14	0.07	0.14	0.02	16.7%
742	60	4565	0.28	0.28	0.08	0.28	0.32	0.17	0.32	0.04	14.3%
743	60	4565	0.23	0.23	0.07	0.23	0.26	0.14	0.26	0.03	13.0%
744	60	4565	0.34	0.36	0.10	0.35	0.38	0.20	0.38	0.03	8.6%
745	60	4565	0.11	0.12	0.03	0.12	0.13	0.07	0.13	0.01	8.3%
746	45	4542	0.22	0.20	0.04	0.23	0.24	0.12	0.24	0.01	4.3%
747	60	4565	0.29	0.30	0.08	0.30	0.32	0.18	0.32	0.02	6.7%
748	60	4565	0.40	0.40	0.12	0.40	0.45	0.26	0.45	0.05	12.5%
749	60	4475	0.21	0.21	0.06	0.21	0.24	0.12	0.24	0.03	14.3%
750	60	4475	0.17	0.17	0.05	0.18	0.19	0.10	0.19	0.01	5.6%
751	60	4565	0.42	0.41	0.12	0.43	0.47	0.29	0.47	0.04	9.3%
752	60	4568	32.56	33.52	4.42	33.34	37.00	23.82	37.00	3.66	11.0%
753	10	4369	0.38	0.36	0.04	0.40	0.34	0.15	0.34	-0.06	-15.0%
754	10	4369	0.94	0.90	0.10	0.99	0.77	0.35	0.77	-0.22	-22.2%
755	15	4413	1.42	1.39	0.17	1.47	1.12	0.54	1.12	-0.35	-23.8%
756	60	4565	0.05	0.06	0.01	0.05	0.05	0.03	0.05	0.00	0.0%
757	20	4444	0.02	0.02	0.00	0.03	0.02	0.01	0.02	-0.01	-33.3%
758	10	4378	1.88	1.84	0.12	1.88	1.70	0.83	1.70	-0.18	-9.6%
759	60	4475	0.48	0.49	0.15	0.50	0.54	0.30	0.54	0.04	8.0%
760	60	4565	0.30	0.31	0.09	0.31	0.34	0.18	0.34	0.03	9.7%
761	15	4413	0.32	0.31	0.04	0.33	0.33	0.18	0.33	0.00	0.0%
762	10	4369	0.62	0.59	0.07	0.65	0.59	0.35	0.59	-0.06	-9.2%
763	60	4568	14.28	14.40	1.93	14.85	16.41	9.73	16.41	1.56	10.5%
764	10	4369	0.23	0.22	0.02	0.24	0.25	0.12	0.25	0.01	4.2%
765	15	4412	7.47	7.41	0.38	7.47	7.69	4.87	7.69	0.22	2.9%
766	60	4565	1.12	1.11	0.32	1.13	1.26	0.74	1.26	0.13	11.5%
767	60	4475	0.44	0.45	0.12	0.45	0.50	0.28	0.50	0.05	11.1%
768	25	4479	0.16	0.16	0.03	0.17	0.20	0.08	0.20	0.03	17.6%
769	60	4565	0.22	0.22	0.07	0.22	0.25	0.14	0.25	0.03	13.6%
770	10	4369	0.17	0.17	0.02	0.18	0.21	0.09	0.21	0.03	16.7%
771	10	4369	0.13	0.13	0.01	0.14	0.13	0.05	0.13	-0.01	-7.1%
772	15	4413	0.40	0.39	0.05	0.41	0.42	0.19	0.42	0.01	2.4%
773	15	4415	0.61	0.60	0.07	0.61	0.57	0.24	0.57	-0.04	-6.6%
774	10	4369	0.27	0.26	0.03	0.29	0.22	0.09	0.22	-0.07	-24.1%
775	15	4413	0.48	0.47	0.06	0.49	0.46	0.19	0.46	-0.03	-6.1%
776	10	4369	0.44	0.42	0.05	0.46	0.37	0.15	0.37	-0.09	-19.6%
777	10	4369	0.28	0.27	0.03	0.30	0.30	0.17	0.30	0.00	0.0%
778	10	4369	0.61	0.58	0.06	0.64	0.58	0.34	0.58	-0.06	-9.4%
779	20	4444	0.02	0.02	0.00	0.02	0.02	0.01	0.02	0.00	0.0%
780	60	4565	0.45	0.45	0.13	0.45	0.50	0.28	0.50	0.05	11.1%
781	60	4475	0.10	0.10	0.03	0.10	0.11	0.06	0.11	0.01	10.0%
782	45	4542	0.07	0.07	0.01	0.07	0.08	0.04	0.08	0.01	14.3%
783	10	4369	0.15	0.15	0.02	0.16	0.15	0.06	0.15	-0.01	-6.3%
784	10	4369	0.13	0.13	0.01	0.14	0.12	0.04	0.12	-0.02	-14.3%
785	20	4444	0.04	0.04	0.01	0.04	0.04	0.02	0.04	0.00	0.0%
786	15	4415	0.31	0.31	0.03	0.31	0.30	0.12	0.30	-0.01	-3.2%
787	60	4567	0.80	0.79	0.20	0.89	0.89	0.50	0.89	0.00	0.0%
788	20	4444	0.06	0.06	0.01	0.06	0.06	0.03	0.06	0.00	0.0%
789	45	4542	0.09	0.08	0.02	0.09	0.10	0.05	0.10	0.01	11.1%
790	10	4369	0.27	0.26	0.03	0.29	0.25	0.10	0.25	-0.04	-13.8%
791	10	4369	0.13	0.12	0.01	0.14	0.13	0.07	0.13	-0.01	-7.1%
792	10	4369	0.23	0.22	0.02	0.24	0.22	0.11	0.22	-0.02	-8.3%
793	10	4369	0.32	0.30	0.03	0.33	0.32	0.17	0.32	-0.01	-3.0%
794	60	4565	0.15	0.15	0.04	0.15	0.16	0.09	0.16	0.01	6.7%
795	10	4369	0.22	0.21	0.02	0.23	0.23	0.14	0.23	0.00	0.0%
796	60	4475	0.19	0.19	0.06	0.19	0.20	0.11	0.20	0.01	5.3%
797	60	4565	1.27	1.28	0.33	1.30	1.43	0.83	1.43	0.13	10.0%
798	60	4565	0.26	0.27	0.08	0.26	0.30	0.17	0.30	0.04	15.4%
799	10	4369	0.21	0.20	0.02	0.22	0.22	0.12	0.22	0.00	0.0%
800	10	4369	0.43	0.41	0.05	0.45	0.40	0.21	0.40	-0.05	-11.1%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration			
			Average	Median	Standard Dev	Adopted				m^3/s	%
801	60	4567	1.13	1.10	0.31	1.25	1.25	0.81	1.25	0.00	0.0%
802	45	4542	0.05	0.05	0.01	0.05	0.06	0.03	0.06	0.01	20.0%
803	10	4369	0.24	0.23	0.03	0.25	0.25	0.12	0.25	0.00	0.0%
804	15	4408	6.53	6.56	0.39	6.62	6.78	4.28	6.78	0.16	2.4%
805	10	4369	6.49	6.49	0.01	6.50	6.43	3.98	6.43	-0.07	-1.1%
806	10	4369	3.44	3.37	0.17	3.50	3.39	2.22	3.39	-0.11	-3.1%
807	15	4410	2.95	2.99	0.26	2.98	2.85	1.88	2.85	-0.13	-4.4%
808	10	4369	0.49	0.47	0.05	0.52	0.50	0.22	0.50	-0.02	-3.8%
809	10	4369	0.60	0.58	0.06	0.63	0.49	0.19	0.49	-0.14	-22.2%
810	60	4565	1.16	1.14	0.33	1.18	1.30	0.79	1.30	0.12	10.2%
811	60	4565	0.89	0.88	0.26	0.90	1.00	0.60	1.00	0.10	11.1%
812	60	4565	0.22	0.22	0.06	0.22	0.25	0.13	0.25	0.03	13.6%
813	60	4567	0.81	0.80	0.21	0.90	0.90	0.51	0.90	0.00	0.0%
814	45	4543	14.29	14.14	0.80	14.37	14.54	8.77	14.54	0.17	1.2%
815	45	4543	14.98	14.87	0.92	14.99	15.98	9.13	15.98	0.99	6.6%
816	45	4542	0.08	0.08	0.02	0.08	0.09	0.04	0.09	0.01	12.5%
817	10	4369	0.22	0.21	0.02	0.24	0.25	0.12	0.25	0.01	4.2%
818	360	4731	118.24	122.90	17.70	122.04	131.51	122.04	131.51	9.47	7.8%
819	1440	4831	0.06	0.06	0.01	0.06	0.02	0.05	0.05	-0.01	-16.7%
820	60	4475	0.81	0.81	0.24	0.81	0.93	0.51	0.93	0.12	14.8%
821	360	4731	118.03	122.70	17.71	121.95	131.40	121.95	131.40	9.45	7.7%
822	60	4568	32.88	34.07	4.35	33.95	37.33	24.08	37.33	3.38	10.0%
823	60	4565	0.60	0.58	0.17	0.60	0.65	0.44	0.65	0.05	8.3%
824	60	4475	0.43	0.43	0.12	0.44	0.47	0.28	0.47	0.03	6.8%
825	25	4479	0.05	0.05	0.01	0.05	0.06	0.02	0.06	0.01	20.0%
826	10	4369	0.45	0.43	0.05	0.47	0.37	0.15	0.37	-0.10	-21.3%
827	10	4369	0.56	0.53	0.06	0.59	0.52	0.23	0.52	-0.07	-11.9%
828	10	4369	0.64	0.62	0.07	0.68	0.60	0.26	0.60	-0.08	-11.8%
829	15	4381	1.55	1.54	0.18	1.60	1.30	0.58	1.30	-0.30	-18.8%
830	10	4369	0.63	0.60	0.07	0.66	0.64	0.31	0.64	-0.02	-3.0%
831	10	4369	0.27	0.26	0.03	0.29	0.30	0.13	0.30	0.01	3.4%
832	15	4381	0.38	0.38	0.05	0.39	0.43	0.19	0.43	0.04	10.3%
833	10	4369	0.21	0.21	0.02	0.23	0.22	0.10	0.22	-0.01	-4.3%
834	10	4369	0.28	0.27	0.03	0.30	0.30	0.14	0.30	0.00	0.0%
835	10	4369	0.09	0.08	0.01	0.09	0.08	0.03	0.08	-0.01	-11.1%
836	60	4475	1.25	1.26	0.31	1.25	1.35	0.82	1.35	0.10	8.0%
837	10	4369	0.51	0.49	0.05	0.54	0.49	0.25	0.49	-0.05	-9.3%
838	10	4369	0.18	0.17	0.02	0.19	0.19	0.09	0.19	0.00	0.0%
839	60	4567	0.70	0.69	0.19	0.76	0.76	0.49	0.76	0.00	0.0%
840	10	4369	0.21	0.20	0.02	0.22	0.23	0.10	0.23	0.01	4.5%
841	15	4415	0.65	0.65	0.07	0.65	0.68	0.31	0.68	0.03	4.6%
842	10	4369	0.10	0.10	0.01	0.11	0.11	0.04	0.11	0.00	0.0%
843	15	4410	1.11	1.10	0.13	1.11	1.08	0.65	1.08	-0.03	-2.7%
844	15	4410	1.38	1.36	0.16	1.38	1.35	0.80	1.35	-0.03	-2.2%
845	60	4565	2.08	2.06	0.54	2.12	2.32	1.40	2.32	0.20	9.4%
846	10	4369	0.33	0.32	0.03	0.35	0.32	0.17	0.32	-0.03	-8.6%
847	10	4369	0.73	0.70	0.08	0.77	0.70	0.43	0.70	-0.07	-9.1%
848	10	4369	0.36	0.35	0.04	0.38	0.36	0.18	0.36	-0.02	-5.3%
849	15	4416	0.42	0.42	0.04	0.42	0.47	0.23	0.47	0.05	11.9%
850	10	4369	0.23	0.22	0.02	0.24	0.24	0.12	0.24	0.00	0.0%
851	15	4381	1.44	1.43	0.17	1.49	1.36	0.78	1.36	-0.13	-8.7%
852	10	4369	0.78	0.75	0.08	0.82	0.70	0.36	0.70	-0.12	-14.6%
853	15	4413	1.02	1.00	0.13	1.06	0.96	0.51	0.96	-0.10	-9.4%
854	15	4410	0.80	0.80	0.09	0.80	0.89	0.44	0.89	0.09	11.3%
855	15	4381	0.18	0.18	0.02	0.19	0.21	0.09	0.21	0.02	10.5%
856	10	4369	0.25	0.24	0.03	0.26	0.24	0.10	0.24	-0.02	-7.7%
857	20	4444	0.03	0.02	0.01	0.03	0.02	0.01	0.02	-0.01	-33.3%
858	10	4369	0.10	0.09	0.01	0.10	0.11	0.04	0.11	0.01	10.0%
859	10	4369	0.22	0.21	0.02	0.23	0.24	0.11	0.24	0.01	4.3%
860	10	4369	0.39	0.37	0.04	0.41	0.39	0.19	0.39	-0.02	-4.9%
861	10	4369	0.25	0.24	0.03	0.27	0.26	0.12	0.26	-0.01	-3.7%
862	10	4369	0.45	0.43	0.05	0.47	0.44	0.21	0.44	-0.03	-6.4%
863	10	4369	0.46	0.44	0.05	0.48	0.44	0.22	0.44	-0.04	-8.3%
864	15	4381	1.90	1.88	0.23	1.98	1.83	1.01	1.83	-0.15	-7.6%
865	10	4369	2.16	2.10	0.17	2.24	2.17	1.21	2.17	-0.07	-3.1%
866	10	4369	2.37	2.33	0.16	2.45	2.36	1.33	2.36	-0.09	-3.7%
867	10	4369	0.49	0.47	0.05	0.52	0.49	0.25	0.49	-0.03	-5.8%
868	10	4369	0.36	0.34	0.04	0.38	0.36	0.19	0.36	-0.02	-5.3%
869	10	4369	0.18	0.17	0.02	0.19	0.19	0.10	0.19	0.00	0.0%
870	10	4372	1.54	1.55	0.04	1.55	1.57	0.92	1.57	0.02	1.3%
871	45	4542	0.05	0.05	0.01	0.05	0.06	0.03	0.06	0.01	20.0%
872	10	4369	1.20	1.20	0.00	1.20	1.29	0.70	1.29	0.09	7.5%
873	10	4369	0.51	0.49	0.05	0.54	0.52	0.26	0.52	-0.02	-3.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)		Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4567 TP for the 1 hour duration	4731 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted					
874	60	4567	4.01	3.78	0.78	4.32	4.32	2.91	4.32	0.00	0.0%
875	60	4567	4.08	3.85	0.77	4.40	4.40	2.99	4.40	0.00	0.0%
876	60	4567	4.19	3.98	0.78	4.56	4.56	3.10	4.56	0.00	0.0%
877	10	4369	0.82	0.82	0.00	0.82	0.83	0.44	0.83	0.01	1.2%
878	10	4369	0.25	0.24	0.03	0.27	0.27	0.12	0.27	0.00	0.0%
879	60	4569	6.37	6.22	1.20	7.13	7.33	4.63	7.33	0.20	2.8%
880	15	4413	0.34	0.34	0.04	0.36	0.37	0.18	0.37	0.01	2.8%
881	45	4542	0.12	0.11	0.02	0.12	0.14	0.06	0.14	0.02	16.7%
882	60	4567	1.63	1.60	0.42	1.80	1.80	1.07	1.80	0.00	0.0%
883	60	4567	1.57	1.55	0.42	1.74	1.74	1.03	1.74	0.00	0.0%
884	60	4567	8.15	7.86	1.99	8.93	8.93	6.03	8.93	0.00	0.0%
885	60	4567	5.51	5.21	1.33	6.04	6.04	4.25	6.04	0.00	0.0%
886	10	4369	0.45	0.43	0.05	0.47	0.42	0.21	0.42	-0.05	-10.6%
887	10	4369	0.33	0.32	0.03	0.35	0.32	0.15	0.32	-0.03	-8.6%
888	10	4369	0.42	0.40	0.04	0.44	0.41	0.21	0.41	-0.03	-6.8%
889	60	4475	0.18	0.18	0.06	0.18	0.21	0.12	0.21	0.03	16.7%
890	10	4369	0.37	0.35	0.04	0.39	0.37	0.19	0.37	-0.02	-5.1%
891	10	4369	0.59	0.57	0.06	0.62	0.55	0.28	0.55	-0.07	-11.3%
892	10	4369	2.13	2.08	0.09	2.14	2.07	1.14	2.07	-0.07	-3.3%
893	15	4416	0.49	0.49	0.05	0.49	0.51	0.28	0.51	0.02	4.1%
894	15	4413	0.60	0.59	0.08	0.62	0.59	0.30	0.59	-0.03	-4.8%
895	10	4369	0.42	0.41	0.04	0.45	0.40	0.20	0.40	-0.05	-11.1%
896	10	4369	2.81	2.78	0.08	2.82	2.75	1.61	2.75	-0.07	-2.5%
897	10	4369	0.56	0.54	0.06	0.59	0.57	0.30	0.57	-0.02	-3.4%
898	10	4369	0.46	0.44	0.05	0.48	0.43	0.23	0.43	-0.05	-10.4%
899	25	4479	0.08	0.08	0.02	0.08	0.09	0.04	0.09	0.01	12.5%
900	10	4369	0.40	0.38	0.04	0.42	0.40	0.19	0.40	-0.02	-4.8%
901	10	4369	0.42	0.40	0.04	0.44	0.40	0.20	0.40	-0.04	-9.1%
902	15	4413	0.49	0.48	0.06	0.51	0.48	0.25	0.48	-0.03	-5.9%
903	10	4369	0.33	0.32	0.04	0.35	0.33	0.18	0.33	-0.02	-5.7%
904	60	4567	5.43	5.15	1.31	5.96	5.96	4.17	5.96	0.00	0.0%
905	10	4369	0.27	0.26	0.03	0.28	0.28	0.12	0.28	0.00	0.0%
906	15	4415	0.55	0.55	0.06	0.56	0.59	0.30	0.59	0.03	5.4%
907	60	4567	2.41	2.35	0.62	2.63	2.63	1.75	2.63	0.00	0.0%
908	60	4567	1.48	1.45	0.37	1.62	1.62	1.03	1.62	0.00	0.0%
909	60	4567	1.87	1.85	0.53	2.09	2.09	1.31	2.09	0.00	0.0%
910	60	4475	0.42	0.42	0.11	0.42	0.46	0.28	0.46	0.04	9.5%
911	10	4369	0.19	0.19	0.02	0.20	0.23	0.10	0.23	0.03	15.0%
912	60	4567	3.54	3.32	0.73	3.86	3.86	2.48	3.86	0.00	0.0%
913	45	4478	0.22	0.21	0.04	0.22	0.25	0.12	0.25	0.03	13.6%
914	45	4542	0.13	0.12	0.03	0.13	0.16	0.07	0.16	0.03	23.1%
915	10	4369	0.36	0.35	0.04	0.38	0.38	0.19	0.38	0.00	0.0%
916	45	4478	0.75	0.69	0.15	0.80	0.82	0.43	0.82	0.02	2.5%
917	15	4381	2.90	2.90	0.29	2.91	2.48	1.11	2.48	-0.43	-14.8%
918	10	4369	1.79	1.72	0.19	1.89	1.44	0.63	1.44	-0.45	-23.8%
919	10	4369	0.38	0.36	0.04	0.40	0.34	0.14	0.34	-0.06	-15.0%
920	15	4410	0.68	0.68	0.07	0.68	0.64	0.28	0.64	-0.04	-5.9%
921	10	4378	1.09	1.07	0.05	1.09	1.12	0.59	1.12	0.03	2.8%
922	10	4369	1.45	1.41	0.09	1.48	1.52	0.84	1.52	0.04	2.7%
923	10	4369	0.59	0.57	0.06	0.62	0.59	0.32	0.59	-0.03	-4.8%
924	10	4369	0.56	0.54	0.06	0.59	0.55	0.28	0.55	-0.04	-6.8%
925	10	4373	2.42	2.35	0.17	2.45	2.41	1.43	2.41	-0.04	-1.6%
926	15	4415	0.37	0.37	0.04	0.37	0.41	0.18	0.41	0.04	10.8%
927	10	4369	0.64	0.62	0.07	0.68	0.61	0.29	0.61	-0.07	-10.3%
928	10	4369	0.24	0.23	0.03	0.26	0.22	0.09	0.22	-0.04	-15.4%
929	10	4369	0.42	0.40	0.04	0.44	0.42	0.21	0.42	-0.02	-4.5%
930	10	4369	0.16	0.15	0.02	0.17	0.18	0.08	0.18	0.01	5.9%
931	15	4413	1.24	1.21	0.16	1.28	1.22	0.65	1.22	-0.06	-4.7%
932	10	4369	0.60	0.58	0.06	0.63	0.57	0.28	0.57	-0.06	-9.5%
933	10	4369	0.54	0.52	0.06	0.57	0.54	0.28	0.54	-0.03	-5.3%
934	10	4369	0.52	0.50	0.05	0.55	0.50	0.26	0.50	-0.05	-9.1%
935	15	4410	1.24	1.25	0.12	1.25	1.21	0.64	1.21	-0.04	-3.2%

Average Difference (All Subcatchments)	**0.11%**
Average Difference (Focus Locations)	**2.93%**

ARR2016 Results for 2% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
1	60	4360	185.62	183.14	12.57	185.73	186.01	199.25	173.78	199.25	13.52	7.3%
2	45	4528	1.43	1.39	0.26	1.43	1.43	1.22	0.81	1.43	0.00	0.0%
3	30	4503	1.36	1.37	0.17	1.36	1.41	1.10	0.76	1.41	0.05	3.7%
4	45	4528	2.81	2.78	0.51	2.84	2.84	2.47	1.64	2.84	0.00	0.0%
5	45	4528	3.10	3.19	0.41	3.30	3.30	2.76	1.90	3.30	0.00	0.0%
6	45	4528	8.17	8.17	1.08	8.32	8.32	8.18	5.59	8.32	0.00	0.0%
7	45	4531	9.70	9.91	1.22	9.74	10.08	9.54	6.76	10.08	0.34	3.5%
8	45	4528	10.16	10.28	0.92	10.51	10.51	10.49	7.35	10.51	0.00	0.0%
9	20	4433	1.49	1.47	0.21	1.50	1.44	1.06	0.71	1.44	-0.06	-4.0%
10	45	4528	13.07	13.28	2.00	13.59	13.59	11.92	8.12	13.59	0.00	0.0%
11	30	4457	1.36	1.36	0.17	1.37	1.40	1.10	0.76	1.40	0.03	2.2%
12	45	4528	5.23	5.24	0.85	5.43	5.43	4.58	3.14	5.43	0.00	0.0%
13	45	4528	0.97	0.98	0.16	0.98	0.98	0.90	0.61	0.98	0.00	0.0%
14	45	4528	1.30	1.32	0.22	1.31	1.31	1.20	0.81	1.31	0.00	0.0%
15	45	4528	2.97	2.99	0.45	3.07	3.07	2.83	1.94	3.07	0.00	0.0%
16	60	4559	20.18	19.52	2.93	22.09	20.81	21.22	14.86	21.22	-0.87	-3.9%
17	20	4371	1.29	1.26	0.21	1.33	1.15	0.85	0.59	1.15	-0.18	-13.5%
18	10	4363	4.76	4.75	0.23	4.91	4.49	3.57	2.50	4.49	-0.42	-8.6%
19	60	4558	1.64	1.65	0.22	1.66	1.60	1.93	1.30	1.93	0.27	16.3%
20	45	4528	7.19	7.24	1.11	7.54	7.54	6.39	4.40	7.54	0.00	0.0%
21	60	4558	8.85	8.96	1.03	8.91	8.61	9.66	6.59	9.66	0.75	8.4%
22	60	4559	22.42	21.69	3.00	24.43	22.78	24.26	16.91	24.26	-0.17	-0.7%
23	60	4559	2.09	2.11	0.30	2.15	1.97	2.25	1.48	2.25	0.10	4.7%
24	45	4528	8.70	8.86	1.25	9.16	9.16	8.08	5.71	9.16	0.00	0.0%
25	45	4531	10.46	10.89	1.27	10.65	11.14	10.04	7.18	11.14	0.49	4.6%
26	45	4528	15.23	15.55	1.94	15.89	15.89	14.37	9.95	15.89	0.00	0.0%
27	25	4464	1.82	1.77	0.28	1.84	1.81	1.33	0.91	1.81	-0.03	-1.6%
28	20	4371	1.63	1.57	0.26	1.69	1.56	1.23	0.84	1.56	-0.13	-7.7%
29	45	4528	6.65	6.71	1.05	6.95	6.95	5.65	3.89	6.95	0.00	0.0%
30	45	4528	1.86	1.84	0.34	1.87	1.87	1.66	1.11	1.87	0.00	0.0%
31	60	4559	31.11	30.43	3.87	33.60	31.23	34.14	23.73	34.14	0.54	1.6%
32	10	4363	2.00	1.99	0.19	2.12	1.65	1.19	0.82	1.65	-0.47	-22.2%
33	45	4528	8.61	8.66	1.34	8.93	8.93	7.49	5.11	8.93	0.00	0.0%
34	120	4618	16.81	15.96	1.23	17.32	15.88	18.89	15.90	18.89	1.57	9.1%
35	45	4528	1.76	1.77	0.31	1.76	1.76	1.62	1.08	1.76	0.00	0.0%
36	45	4531	6.25	6.32	1.03	6.27	6.39	5.74	3.89	6.39	0.12	1.9%
37	45	4528	2.74	2.77	0.46	2.80	2.80	2.50	1.69	2.80	0.00	0.0%
38	45	4528	3.28	3.33	0.50	3.39	3.39	2.98	2.02	3.39	0.00	0.0%
39	45	4531	8.25	8.39	1.27	8.28	8.51	7.73	5.24	8.51	0.23	2.8%
40	60	4559	31.97	31.31	3.67	34.34	31.74	35.44	24.53	35.44	1.10	3.2%
41	20	4371	1.37	1.30	0.20	1.41	1.31	0.99	0.68	1.31	-0.10	-7.1%
42	60	4405	36.39	36.32	2.89	36.61	34.49	43.16	29.38	43.16	6.55	17.9%
43	10	4363	2.24	2.23	0.21	2.38	1.95	1.50	1.03	1.95	-0.43	-18.1%
44	120	4618	16.83	16.00	1.21	17.33	15.91	18.90	15.98	18.90	1.57	9.1%
45	45	4528	1.35	1.35	0.24	1.35	1.35	1.22	0.82	1.35	0.00	0.0%
46	60	4405	36.62	36.57	2.80	36.89	34.59	43.63	29.67	43.63	6.74	18.3%
47	45	4531	1.10	1.10	0.19	1.11	1.09	1.02	0.68	1.09	-0.02	-1.8%
48	45	4535	1.88	1.86	0.33	2.08	1.84	1.72	1.15	1.84	-0.24	-11.5%
49	45	4528	1.26	1.22	0.22	1.27	1.27	1.07	0.73	1.27	0.00	0.0%
50	45	4531	3.96	3.99	0.62	3.96	4.01	3.74	2.54	4.01	0.05	1.3%
51	10	4363	2.23	2.22	0.21	2.37	1.69	1.21	0.83	1.69	-0.68	-28.7%
52	30	4500	3.70	3.61	0.46	3.85	3.74	3.16	2.15	3.74	-0.11	-2.9%
53	20	4359	3.60	3.51	0.59	3.70	3.50	2.83	1.94	3.50	-0.20	-5.4%
54	60	4405	37.42	37.41	2.55	37.80	35.02	44.92	30.51	44.92	7.12	18.8%
55	10	4363	2.27	2.26	0.22	2.41	1.82	1.31	0.90	1.82	-0.59	-24.5%
56	20	4359	6.21	6.02	0.92	6.38	5.87	4.76	3.28	5.87	-0.51	-8.0%
57	20	4371	8.66	8.43	1.38	8.67	8.00	6.36	4.44	8.00	-0.67	-7.7%
58	120	4615	16.97	16.96	1.21	16.99	14.81	18.86	16.77	18.86	1.87	11.0%
59	10	4363	3.54	3.53	0.34	3.75	2.66	1.96	1.35	2.66	-1.09	-29.1%
60	90	4586	20.06	20.26	0.70	20.14	16.66	22.04	20.51	22.04	1.90	9.4%
61	45	4528	4.31	4.37	0.69	4.47	4.47	3.89	2.65	4.47	0.00	0.0%
62	45	4531	6.71	6.92	0.89	6.75	7.09	6.36	4.47	7.09	0.34	5.0%
63	45	4531	1.91	1.92	0.34	1.95	1.90	1.77	1.19	1.90	-0.05	-2.6%
64	45	4531	12.11	12.38	1.38	12.29	12.49	11.99	8.38	12.49	0.20	1.6%
65	45	4528	1.03	1.02	0.19	1.03	1.03	0.92	0.61	1.03	0.00	0.0%
66	60	4405	38.32	38.21	2.13	38.68	35.40	46.30	31.39	46.30	7.62	19.7%
67	45	4528	1.16	1.13	0.21	1.17	1.17	0.98	0.66	1.17	0.00	0.0%
68	45	4535	1.59	1.58	0.29	1.78	1.57	1.45	0.97	1.57	-0.21	-11.8%
69	60	4558	15.23	14.86	2.01	15.25	15.41	16.43	11.22	16.43	1.18	7.7%
70	60	4405	38.48	38.35	2.05	38.83	35.47	46.58	31.59	46.58	7.75	20.0%
71	20	4367	1.66	1.63	0.27	1.66	1.53	1.18	0.81	1.53	-0.13	-7.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
72	60	4559	48.87	48.71	2.54	50.11	46.81	59.64	41.87	59.64	9.53	19.0%
73	30	4500	2.34	2.31	0.25	2.50	2.38	2.00	1.37	2.38	-0.12	-4.8%
74	45	4531	13.56	13.81	1.30	13.58	14.05	13.86	9.67	14.05	0.47	3.5%
75	10	4363	1.69	1.68	0.16	1.79	1.36	0.97	0.66	1.36	-0.43	-24.0%
76	10	4366	6.19	6.18	0.32	6.39	4.91	3.92	2.77	4.91	-1.48	-23.2%
77	10	4363	7.93	7.93	0.26	8.06	6.76	5.26	3.74	6.76	-1.30	-16.1%
78	90	4585	22.50	22.58	1.18	22.56	20.43	24.97	22.96	24.97	2.41	10.7%
79	20	4371	1.98	1.88	0.36	2.24	1.76	1.67	1.06	1.76	-0.48	-21.4%
80	60	4559	49.25	48.99	2.52	50.55	47.11	60.14	42.60	60.14	9.59	19.0%
81	10	4363	1.84	1.83	0.18	1.96	1.55	1.14	0.78	1.55	-0.41	-20.9%
82	90	4532	26.76	26.70	2.45	27.19	26.83	30.18	26.00	30.18	2.99	11.0%
83	60	4558	1.12	1.12	0.03	1.13	1.12	1.20	1.07	1.20	0.07	6.2%
84	45	4528	3.39	3.39	0.55	3.55	3.55	2.91	1.99	3.55	0.00	0.0%
85	45	4533	1.55	1.53	0.24	1.77	1.54	1.35	0.91	1.54	-0.23	-13.0%
86	45	4531	2.91	2.92	0.44	2.94	2.90	2.97	2.01	2.97	0.03	1.0%
87	20	4359	1.52	1.46	0.25	1.56	1.33	0.96	0.65	1.33	-0.23	-14.7%
88	60	4559	49.88	49.58	2.51	51.30	47.63	61.01	43.55	61.01	9.71	18.9%
89	30	4457	1.23	1.22	0.13	1.23	1.25	1.01	0.68	1.25	0.02	1.6%
90	60	4405	48.22	48.27	2.13	48.44	44.61	59.64	43.10	59.64	11.20	23.1%
91	20	4359	1.55	1.53	0.24	1.57	1.41	1.04	0.70	1.41	-0.16	-10.2%
92	45	4531	5.18	5.33	0.55	5.23	5.43	4.80	3.66	5.43	0.20	3.8%
93	60	4558	3.77	3.76	0.41	3.77	3.63	4.33	2.84	4.33	0.56	14.9%
94	60	4405	48.27	48.31	2.12	48.48	44.65	59.71	43.27	59.71	11.23	23.2%
95	10	4363	2.05	2.04	0.19	2.17	1.61	1.15	0.77	1.61	-0.56	-25.8%
96	10	4363	2.35	2.34	0.22	2.49	1.79	1.28	0.86	1.79	-0.70	-28.1%
97	20	4367	2.12	2.09	0.36	2.16	1.85	1.35	0.92	1.85	-0.31	-14.4%
98	120	4618	22.57	22.43	0.35	22.62	22.27	23.14	22.68	23.14	0.52	2.3%
99	20	4359	1.90	1.84	0.25	1.99	1.86	1.41	0.95	1.86	-0.13	-6.5%
100	120	4614	49.67	49.37	8.84	53.70	45.82	61.70	45.67	61.70	8.00	14.9%
101	20	4371	1.78	1.71	0.25	1.78	1.61	1.19	0.79	1.61	-0.17	-9.6%
102	60	4558	7.49	7.52	0.92	7.51	7.50	7.80	5.94	7.80	0.29	3.9%
103	10	4363	4.87	4.86	0.46	5.16	3.61	2.66	1.80	3.61	-1.55	-30.0%
104	10	4363	5.81	5.83	0.53	6.10	4.39	3.27	2.23	4.39	-1.71	-28.0%
105	10	4363	1.63	1.63	0.16	1.73	1.34	0.96	0.65	1.34	-0.39	-22.5%
106	20	4433	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
107	20	4359	2.11	2.03	0.18	2.34	2.00	1.61	1.07	2.00	-0.34	-14.5%
108	60	4558	8.19	8.27	0.78	8.23	7.82	9.08	6.71	9.08	0.85	10.3%
109	10	4363	1.68	1.67	0.16	1.78	1.48	1.12	0.76	1.48	-0.30	-16.9%
110	10	4361	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	20	4359	1.98	1.94	0.32	1.99	1.92	1.42	0.98	1.92	-0.07	-3.5%
112	120	4618	50.30	49.79	8.45	53.86	45.86	61.78	46.11	61.78	7.92	14.7%
113	45	4528	1.74	1.75	0.30	1.82	1.82	1.53	1.03	1.82	0.00	0.0%
114	45	4528	2.36	2.35	0.41	2.49	2.49	1.92	1.30	2.49	0.00	0.0%
115	20	4371	1.67	1.61	0.23	1.70	1.60	1.25	0.84	1.60	-0.10	-5.9%
116	20	4371	13.08	12.58	2.12	13.25	12.37	9.32	6.47	12.37	-0.88	-6.6%
117	45	4528	27.93	28.09	0.91	28.07	28.07	27.42	24.79	28.07	0.00	0.0%
118	120	4618	50.62	50.07	8.27	53.92	45.88	61.81	46.31	61.81	7.89	14.6%
119	25	4462	2.58	2.56	0.29	2.58	2.46	1.90	1.29	2.46	-0.12	-4.7%
120	45	4528	5.79	5.84	0.72	5.92	5.92	5.28	3.51	5.92	0.00	0.0%
121	45	4528	9.73	9.71	1.12	10.10	10.10	8.83	6.08	10.10	0.00	0.0%
122	60	4558	9.73	9.99	0.59	9.91	8.53	11.78	8.61	11.78	1.87	18.9%
123	20	4428	14.51	14.23	2.04	14.65	14.31	11.64	7.98	14.31	-0.34	-2.3%
124	20	4371	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
125	20	4367	2.58	2.54	0.40	2.59	2.30	1.70	1.14	2.30	-0.29	-11.2%
126	120	4618	73.54	73.66	8.40	76.96	66.60	84.76	69.92	84.76	7.80	10.1%
127	45	4528	3.36	3.36	0.60	3.52	3.52	2.70	1.85	3.52	0.00	0.0%
128	45	4531	7.75	7.85	1.18	7.79	7.93	6.97	4.71	7.93	0.14	1.8%
129	45	4528	2.84	2.83	0.50	2.97	2.97	2.32	1.56	2.97	0.00	0.0%
130	120	4499	77.93	79.25	7.00	81.33	66.97	85.74	77.20	85.74	4.41	5.4%
131	20	4367	5.20	5.06	0.63	5.30	5.19	4.11	2.83	5.19	-0.11	-2.1%
132	90	4584	16.22	16.56	2.78	17.15	15.82	19.65	14.35	19.65	2.50	14.6%
133	20	4359	4.24	4.03	0.60	4.36	3.94	2.93	1.98	3.94	-0.42	-9.6%
134	90	4584	18.38	18.53	2.68	18.93	18.63	22.15	16.90	22.15	3.22	17.0%
135	20	4359	2.75	2.68	0.45	2.78	2.43	1.80	1.22	2.43	-0.35	-12.6%
136	30	4500	2.48	2.44	0.32	2.51	2.63	2.10	1.41	2.63	0.12	4.8%
137	20	4404	1.78	1.71	0.19	1.81	1.70	1.30	0.88	1.70	-0.11	-6.1%
138	90	4532	20.26	20.36	2.81	20.30	20.53	24.57	18.86	24.57	4.27	21.0%
139	45	4531	16.35	16.59	2.32	16.52	16.67	14.98	10.43	16.67	0.15	0.9%
140	20	4371	1.40	1.37	0.20	1.40	1.27	0.93	0.63	1.27	-0.13	-9.3%
141	60	4558	21.03	20.77	2.50	21.17	20.98	25.44	19.72	25.44	4.27	20.2%
142	20	4371	0.98	0.93	0.17	1.01	0.77	0.57	0.36	0.77	-0.24	-23.8%
143	45	4528	22.19	22.16	1.31	22.58	22.58	26.32	20.77	26.32	3.74	16.6%
144	45	4528	23.07	23.05	1.36	23.50	23.50	26.71	21.51	26.71	3.21	13.7%
145	120	4499	79.04	80.05	6.28	81.42	67.02	85.86	78.78	85.86	4.44	5.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
146	20	4404	4.01	3.81	0.50	4.14	3.95	3.14	2.16	3.95	-0.19	-4.6%
147	20	4367	4.63	4.53	0.52	4.69	3.78	3.28	2.16	3.78	-0.91	-19.4%
148	20	4359	1.45	1.41	0.21	1.46	1.38	1.05	0.72	1.38	-0.08	-5.5%
149	20	4371	3.20	3.12	0.45	3.23	3.10	2.36	1.63	3.10	-0.13	-4.0%
150	20	4367	5.14	4.99	0.69	5.22	5.05	3.85	2.69	5.05	-0.17	-3.3%
151	20	4404	8.97	8.61	0.94	9.05	8.45	7.11	4.85	8.45	-0.60	-6.6%
152	20	4404	1.36	1.31	0.15	1.43	1.28	0.96	0.63	1.28	-0.15	-10.5%
153	360	4406	4.19	4.07	0.39	4.36	2.25	2.31	3.84	3.84	-0.52	-11.9%
154	10	4363	6.04	5.95	0.24	6.24	4.50	3.50	2.26	4.50	-1.74	-27.9%
155	120	4615	96.82	98.15	6.80	97.84	83.19	104.96	100.86	104.96	7.12	7.3%
156	10	4366	2.13	2.12	0.13	2.18	1.55	1.24	0.76	1.55	-0.63	-28.9%
157	10	4356	3.94	3.94	0.08	3.95	2.92	2.29	1.49	2.92	-1.03	-26.1%
158	45	4528	2.02	2.04	0.35	2.11	2.11	1.67	1.14	2.11	0.00	0.0%
159	120	4499	97.57	98.70	6.42	98.60	84.67	105.06	101.65	105.06	6.46	6.6%
160	20	4404	3.33	3.18	0.44	3.50	3.06	2.31	1.54	3.06	-0.44	-12.6%
161	10	4366	3.91	3.89	0.09	3.95	3.95	3.10	2.11	3.95	0.00	0.0%
162	20	4404	14.41	13.66	1.63	14.65	14.25	11.55	8.04	14.25	-0.40	-2.7%
163	120	4499	97.94	98.99	6.31	98.75	85.45	105.17	102.05	105.17	6.42	6.5%
164	20	4371	1.90	1.86	0.28	1.93	1.78	1.34	0.91	1.78	-0.15	-7.8%
165	45	4528	13.62	13.57	1.44	13.94	13.94	12.06	8.86	13.94	0.00	0.0%
166	25	4461	8.61	8.76	0.87	8.68	8.78	7.19	4.83	8.78	0.10	1.2%
167	45	4528	13.30	13.19	1.48	13.56	13.56	11.67	8.60	13.56	0.00	0.0%
168	20	4359	1.51	1.44	0.22	1.56	1.45	1.08	0.74	1.45	-0.11	-7.1%
169	20	4371	1.83	1.76	0.25	1.83	1.69	1.26	0.83	1.69	-0.14	-7.7%
170	20	4404	3.17	3.07	0.36	3.32	3.11	2.33	1.58	3.11	-0.21	-6.3%
171	45	4528	15.37	15.29	1.52	15.70	15.70	13.78	9.96	15.70	0.00	0.0%
172	45	4531	2.22	2.28	0.31	2.23	2.32	1.98	1.31	2.32	0.09	4.0%
173	30	4500	2.98	2.93	0.49	2.99	3.02	2.36	1.59	3.02	0.03	1.0%
174	720	4443	102.68	101.51	27.47	106.78	96.22	106.81	108.09	108.09	1.31	1.2%
175	45	4528	5.76	5.90	0.80	6.04	6.04	5.19	3.49	6.04	0.00	0.0%
176	45	4528	1.62	1.62	0.27	1.64	1.64	1.45	0.95	1.64	0.00	0.0%
177	45	4528	2.23	2.23	0.38	2.32	2.32	1.90	1.27	2.32	0.00	0.0%
178	45	4528	3.88	3.91	0.62	4.02	4.02	3.41	2.23	4.02	0.00	0.0%
179	20	4359	5.15	4.93	0.68	5.34	5.04	3.96	2.60	5.04	-0.30	-5.6%
180	20	4359	1.57	1.53	0.22	1.59	1.48	1.09	0.73	1.48	-0.11	-6.9%
181	720	4758	105.27	104.19	28.36	109.74	99.77	107.52	110.43	110.43	0.69	0.6%
182	20	4359	1.84	1.79	0.28	1.89	1.66	1.22	0.83	1.66	-0.23	-12.2%
183	45	4528	4.41	4.41	0.72	4.61	4.61	3.78	2.60	4.61	0.00	0.0%
184	20	4371	1.12	1.11	0.19	1.15	0.94	0.67	0.45	0.94	-0.21	-18.3%
185	45	4528	7.71	7.67	1.19	7.92	7.92	6.69	4.55	7.92	0.00	0.0%
186	45	4528	1.85	1.83	0.31	1.92	1.92	1.52	1.00	1.92	0.00	0.0%
187	45	4528	2.03	2.08	0.31	2.16	2.16	1.75	1.17	2.16	0.00	0.0%
188	45	4528	1.73	1.74	0.27	1.81	1.81	1.48	0.97	1.81	0.00	0.0%
189	45	4528	4.18	4.25	0.63	4.37	4.37	3.65	2.40	4.37	0.00	0.0%
190	20	4404	1.54	1.48	0.17	1.58	1.48	1.17	0.76	1.48	-0.10	-6.3%
191	720	4758	105.67	104.47	28.46	109.93	99.94	107.54	110.65	110.65	0.72	0.7%
192	45	4528	10.31	10.44	1.27	10.64	10.64	9.32	6.41	10.64	0.00	0.0%
193	45	4533	19.58	19.52	1.47	20.02	20.27	18.13	12.76	20.27	0.25	1.2%
194	25	4462	1.71	1.72	0.20	1.74	1.67	1.32	0.85	1.67	-0.07	-4.0%
195	15	4392	8.15	7.95	0.39	8.48	6.97	5.61	3.59	6.97	-1.51	-17.8%
196	10	4356	1.81	1.81	0.03	1.81	1.70	1.44	0.95	1.70	-0.11	-6.1%
197	45	4528	30.40	30.45	2.56	31.37	31.37	28.12	19.35	31.37	0.00	0.0%
198	15	4397	10.08	10.08	0.45	10.10	9.25	7.57	4.91	9.25	-0.85	-8.4%
199	720	4758	106.17	104.81	28.59	110.17	100.12	107.57	110.93	110.93	0.76	0.7%
200	45	4528	1.31	1.29	0.23	1.36	1.36	1.05	0.70	1.36	0.00	0.0%
201	45	4528	31.54	31.43	2.48	32.32	32.32	29.28	20.26	32.32	0.00	0.0%
202	45	4528	9.88	10.11	1.36	10.34	10.34	8.81	5.74	10.34	0.00	0.0%
203	45	4528	32.16	32.01	2.38	32.96	32.96	30.03	20.86	32.96	0.00	0.0%
204	60	4559	9.14	8.93	1.26	9.99	9.38	9.36	6.12	9.38	-0.61	-6.1%
205	720	4758	109.43	107.17	29.66	111.95	102.16	107.69	112.80	112.80	0.85	0.8%
206	45	4528	1.45	1.41	0.25	1.47	1.47	1.21	0.80	1.47	0.00	0.0%
207	45	4528	41.97	41.88	3.29	43.51	43.51	39.03	27.10	43.51	0.00	0.0%
208	45	4528	2.09	2.13	0.28	2.20	2.20	1.86	1.19	2.20	0.00	0.0%
209	720	4758	114.80	112.87	31.44	118.85	110.13	114.23	117.86	117.86	-0.99	-0.8%
210	20	4359	1.46	1.40	0.19	1.53	1.38	1.03	0.69	1.38	-0.15	-9.8%
211	720	4758	115.63	113.79	31.67	120.07	110.54	115.59	118.40	118.40	-1.67	-1.4%
212	10	4363	2.53	2.51	0.16	2.66	2.03	1.64	1.04	2.03	-0.63	-23.7%
213	45	4533	43.69	43.31	2.45	44.62	44.85	43.05	29.58	44.85	0.23	0.5%
214	30	4402	2.89	2.72	0.54	3.13	2.95	2.39	1.57	2.95	-0.18	-5.8%
215	720	4758	116.12	114.35	31.82	120.76	110.60	115.92	118.52	118.52	-2.24	-1.9%
216	45	4533	44.05	43.73	2.21	44.71	45.02	44.67	30.48	45.02	0.31	0.7%
217	720	4758	117.57	116.09	32.28	122.96	111.60	117.88	119.62	119.62	-3.34	-2.7%
218	1440	4817	0.21	0.20	0.02	0.21	0.04	0.08	0.15	0.15	-0.06	-28.6%
219	25	4462	2.81	2.81	0.43	2.84	2.82	2.20	1.43	2.82	-0.02	-0.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
220	10	4363	1.64	1.63	0.16	1.74	1.36	0.99	0.67	1.36	-0.38	-21.8%
221	10	4363	2.83	2.82	0.27	3.00	2.22	1.70	1.16	2.22	-0.78	-26.0%
222	10	4363	7.17	7.04	0.55	7.65	6.75	5.34	3.66	6.75	-0.90	-11.8%
223	15	4398	6.49	6.36	0.36	6.53	6.46	5.68	3.82	6.46	-0.07	-1.1%
224	20	4367	2.46	2.41	0.31	2.51	2.28	1.80	1.21	2.28	-0.23	-9.2%
225	10	4363	3.09	3.09	0.25	3.26	2.62	2.02	1.41	2.62	-0.64	-19.6%
226	20	4367	1.99	1.93	0.29	2.06	1.85	1.39	0.95	1.85	-0.21	-10.2%
227	10	4363	5.38	5.39	0.33	5.57	4.89	3.85	2.66	4.89	-0.68	-12.2%
228	20	4367	1.33	1.28	0.20	1.35	1.24	0.95	0.64	1.24	-0.11	-8.1%
229	10	4363	6.98	7.01	0.33	7.21	6.66	5.18	3.60	6.66	-0.55	-7.6%
230	10	4363	3.34	3.24	0.21	3.52	3.09	2.40	1.64	3.09	-0.43	-12.2%
231	45	4528	14.95	15.16	1.79	15.48	15.48	13.67	9.40	15.48	0.00	0.0%
232	45	4528	1.58	1.57	0.25	1.65	1.65	1.30	0.88	1.65	0.00	0.0%
233	30	4504	26.70	26.00	1.76	27.49	27.07	26.47	17.99	27.07	-0.42	-1.5%
234	360	4406	0.49	0.47	0.07	0.56	0.44	0.52	0.41	0.52	-0.04	-7.1%
235	45	4533	153.76	153.39	5.59	154.14	156.57	162.97	150.19	162.97	8.83	5.7%
236	10	4363	1.05	1.04	0.10	1.11	0.87	0.64	0.44	0.87	-0.24	-21.6%
237	45	4527	27.90	28.05	1.01	28.02	28.02	28.55	19.01	28.55	0.53	1.9%
238	45	4528	3.22	3.24	0.52	3.37	3.37	2.78	1.90	3.37	0.00	0.0%
239	360	4406	0.49	0.47	0.07	0.56	0.44	0.52	0.41	0.52	-0.04	-7.1%
240	10	4363	2.35	2.34	0.22	2.49	1.49	1.14	0.71	1.49	-1.00	-40.2%
241	45	4533	18.16	18.20	1.57	18.52	18.57	17.06	11.72	18.57	0.05	0.3%
242	15	4397	9.46	9.51	0.47	9.59	9.57	8.11	5.50	9.57	-0.02	-0.2%
243	45	4496	19.07	18.92	1.03	19.20	19.06	19.40	12.83	19.40	0.20	1.0%
244	30	4500	2.04	2.02	0.34	2.10	2.14	1.64	1.13	2.14	0.04	1.9%
245	45	4533	154.38	154.01	5.47	154.68	157.07	164.32	151.07	164.32	9.64	6.2%
246	10	4363	2.04	2.03	0.19	2.17	1.41	1.02	0.68	1.41	-0.76	-35.0%
247	10	4363	3.80	3.78	0.36	4.03	2.33	1.78	1.11	2.33	-1.70	-42.2%
248	10	4363	2.02	2.01	0.19	2.14	1.52	1.09	0.74	1.52	-0.62	-29.0%
249	10	4363	7.40	7.41	0.69	7.80	4.71	3.55	2.32	4.71	-3.09	-39.6%
250	45	4528	28.98	29.13	1.10	29.05	29.05	30.44	20.15	30.44	1.39	4.8%
251	60	4559	154.52	151.04	12.16	159.80	157.13	164.52	151.30	164.52	4.72	3.0%
252	10	4363	4.35	4.34	0.42	4.61	2.73	2.04	1.32	2.73	-1.88	-40.8%
253	15	4403	12.77	12.73	1.39	12.92	11.40	10.49	7.16	11.40	-1.52	-11.8%
254	45	4528	2.35	2.34	0.43	2.44	2.44	1.89	1.28	2.44	0.00	0.0%
255	60	4559	176.62	173.65	13.31	182.38	178.19	189.59	166.07	189.59	7.21	4.0%
256	10	4366	9.77	9.75	0.85	10.14	6.77	5.13	3.36	6.77	-3.37	-33.2%
257	25	4464	13.48	13.32	0.81	13.52	11.76	13.30	8.39	13.30	-0.22	-1.6%
258	45	4531	19.06	19.08	1.08	19.27	18.74	18.80	12.08	18.80	-0.47	-2.4%
259	60	4559	176.84	174.01	13.23	182.52	178.29	189.78	166.52	189.78	7.26	4.0%
260	10	4361	3.87	3.82	0.29	4.09	3.51	2.75	1.86	3.51	-0.58	-14.2%
261	20	4359	4.34	4.18	0.58	4.37	4.50	3.76	2.58	4.50	0.13	3.0%
262	25	4462	8.17	8.20	0.58	8.18	8.19	7.11	4.93	8.19	0.01	0.1%
263	60	4559	184.92	182.06	12.83	190.99	185.71	198.67	172.74	198.67	7.68	4.0%
264	25	4464	1.42	1.37	0.18	1.44	1.44	1.11	0.77	1.44	0.00	0.0%
265	45	4528	2.75	2.72	0.47	2.78	2.78	2.47	1.67	2.78	0.00	0.0%
266	45	4528	1.69	1.63	0.30	1.69	1.69	1.44	0.97	1.69	0.00	0.0%
267	45	4528	4.24	4.29	0.72	4.39	4.39	3.87	2.65	4.39	0.00	0.0%
268	45	4528	1.38	1.34	0.25	1.41	1.41	1.15	0.78	1.41	0.00	0.0%
269	45	4528	2.68	2.65	0.49	2.71	2.71	2.36	1.57	2.71	0.00	0.0%
270	45	4528	1.57	1.55	0.27	1.61	1.61	1.34	0.91	1.61	0.00	0.0%
271	45	4528	6.25	6.23	1.07	6.46	6.46	5.67	3.88	6.46	0.00	0.0%
272	45	4528	3.11	3.17	0.44	3.16	3.16	3.05	2.15	3.16	0.00	0.0%
273	45	4528	3.94	4.00	0.60	4.07	4.07	3.62	2.46	4.07	0.00	0.0%
274	45	4528	1.58	1.54	0.29	1.62	1.62	1.32	0.89	1.62	0.00	0.0%
275	45	4528	6.19	6.18	1.08	6.34	6.34	5.46	3.66	6.34	0.00	0.0%
276	20	4433	0.63	0.63	0.09	0.64	0.54	0.40	0.26	0.54	-0.10	-15.6%
277	45	4528	7.78	7.73	1.35	7.95	7.95	6.84	4.60	7.95	0.00	0.0%
278	45	4531	4.60	4.66	0.72	4.64	4.70	4.22	2.93	4.70	0.06	1.3%
279	45	4528	8.37	8.40	1.35	8.66	8.66	7.48	5.05	8.66	0.00	0.0%
280	45	4528	2.10	2.14	0.30	2.12	2.12	2.10	1.47	2.12	0.00	0.0%
281	45	4528	7.48	7.60	1.01	7.73	7.73	7.26	5.11	7.73	0.00	0.0%
282	45	4528	2.54	2.51	0.47	2.55	2.55	2.25	1.50	2.55	0.00	0.0%
283	45	4531	6.30	6.52	0.61	6.44	6.63	6.19	4.37	6.63	0.19	3.0%
284	45	4528	3.52	3.54	0.62	3.57	3.57	3.21	2.18	3.57	0.00	0.0%
285	45	4528	1.37	1.33	0.25	1.39	1.39	1.16	0.78	1.39	0.00	0.0%
286	45	4528	7.69	7.77	1.23	7.96	7.96	7.02	4.85	7.96	0.00	0.0%
287	60	4558	7.80	7.74	1.09	7.83	7.88	8.17	5.70	8.17	0.34	4.3%
288	45	4528	20.13	20.42	1.99	20.79	20.79	21.03	14.75	21.03	0.24	1.2%
289	45	4528	2.63	2.70	0.37	2.66	2.66	2.54	1.77	2.66	0.00	0.0%
290	45	4528	1.72	1.77	0.23	1.74	1.74	1.71	1.18	1.74	0.00	0.0%
291	45	4531	2.59	2.62	0.44	2.62	2.63	2.40	1.62	2.63	0.01	0.4%
292	60	4559	22.42	21.69	3.00	24.43	22.78	24.24	16.90	24.24	-0.19	-0.8%
293	60	4558	8.66	8.75	1.06	8.74	8.53	9.39	6.43	9.39	0.65	7.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
294	45	4528	14.74	15.06	1.95	15.41	15.41	13.80	9.51	15.41	0.00	0.0%
295	120	4618	16.82	15.98	1.22	17.32	15.90	18.89	15.95	18.89	1.57	9.1%
296	45	4525	24.63	24.73	0.44	24.72	24.74	24.54	23.32	24.74	0.02	0.1%
297	45	4528	25.97	26.02	0.65	26.11	26.11	25.65	23.94	26.11	0.00	0.0%
298	10	4366	12.70	12.70	1.02	13.18	11.02	8.29	5.67	11.02	-2.16	-16.4%
299	60	4558	1.12	1.12	0.03	1.12	1.12	1.21	1.07	1.21	0.09	8.0%
300	45	4528	2.73	2.72	0.44	2.87	2.87	2.31	1.59	2.87	0.00	0.0%
301	45	4528	5.08	5.04	0.89	5.29	5.29	4.29	2.90	5.29	0.00	0.0%
302	45	4531	12.55	12.81	1.89	12.58	13.06	11.17	7.62	13.06	0.48	3.8%
303	45	4528	4.30	4.32	0.67	4.43	4.43	3.69	2.46	4.43	0.00	0.0%
304	30	4500	3.05	3.02	0.48	3.07	3.00	2.37	1.62	3.00	-0.07	-2.3%
305	30	4402	8.99	8.63	1.20	9.95	9.18	7.98	5.47	9.18	-0.77	-7.7%
306	45	4528	6.82	6.93	0.89	7.13	7.13	6.16	4.03	7.13	0.00	0.0%
307	1440	4817	0.07	0.07	0.01	0.07	0.02	0.03	0.05	0.05	-0.02	-28.6%
308	45	4528	18.81	18.67	1.17	18.94	18.94	18.66	12.56	18.94	0.00	0.0%
309	15	4397	9.19	9.15	0.39	9.23	9.35	7.86	5.32	9.35	0.12	1.3%
310	60	4559	176.81	173.96	13.25	182.50	178.28	189.75	166.47	189.75	7.25	4.0%
311	30	4495	18.28	18.64	1.12	18.32	17.87	18.27	11.33	18.27	-0.05	-0.3%
312	10	4364	3.63	3.62	0.28	3.64	3.30	2.57	1.75	3.30	-0.34	-9.3%
313	10	4363	3.27	3.18	0.20	3.44	3.03	2.35	1.61	3.03	-0.41	-11.9%
314	45	4528	14.67	14.96	1.91	15.31	15.31	13.24	9.08	15.31	0.00	0.0%
315	10	4363	5.93	5.96	0.54	6.21	5.00	3.90	2.65	5.00	-1.21	-19.5%
316	10	4363	4.19	4.13	0.19	4.36	3.97	3.07	2.13	3.97	-0.39	-8.9%
317	45	4533	19.33	19.29	1.48	19.80	20.01	17.87	12.57	20.01	0.21	1.1%
318	45	4528	10.25	10.38	1.27	10.58	10.58	9.26	6.36	10.58	0.00	0.0%
319	360	4406	4.27	4.11	0.38	4.36	2.35	2.37	3.82	3.82	-0.54	-12.4%
320	360	4720	3.89	3.86	0.27	3.90	2.25	2.35	3.57	3.57	-0.33	-8.5%
321	360	4406	3.89	3.87	0.28	3.93	2.30	2.88	3.54	3.54	-0.39	-9.9%
322	360	4694	3.87	3.86	0.26	3.89	2.41	3.46	3.57	3.57	-0.32	-8.2%
323	360	4694	3.42	3.40	0.15	3.44	2.87	3.45	3.34	3.45	0.01	0.3%
324	360	4694	3.41	3.38	0.15	3.42	3.28	3.46	3.33	3.46	0.04	1.2%
325	45	4531	16.20	16.53	2.25	16.43	16.62	14.93	10.29	16.62	0.19	1.2%
326	45	4531	13.36	13.71	1.89	13.48	13.94	12.10	8.33	13.94	0.46	3.4%
327	20	4359	2.68	2.64	0.46	2.74	2.29	1.65	1.14	2.29	-0.45	-16.4%
328	30	4500	2.24	2.22	0.38	2.30	2.26	1.72	1.18	2.26	-0.04	-1.7%
329	25	4462	0.66	0.65	0.06	0.67	0.67	0.51	0.35	0.67	0.00	0.0%
330	45	4531	8.64	8.83	0.70	8.67	9.02	8.50	5.63	9.02	0.35	4.0%
331	10	4363	7.88	7.75	0.23	8.06	6.12	4.86	3.13	6.12	-1.94	-24.1%
332	20	4367	4.47	4.30	0.60	4.58	4.20	3.20	2.13	4.20	-0.38	-8.3%
333	10	4363	1.61	1.60	0.15	1.71	1.32	0.95	0.65	1.32	-0.39	-22.8%
334	45	4528	11.63	11.77	1.83	12.09	12.09	10.19	6.91	12.09	0.00	0.0%
335	20	4359	1.51	1.44	0.23	1.55	1.41	1.03	0.70	1.41	-0.14	-9.0%
336	20	4359	2.98	2.91	0.44	3.06	2.82	2.10	1.46	2.82	-0.24	-7.8%
337	20	4359	1.92	1.86	0.27	1.99	1.72	1.26	0.84	1.72	-0.27	-13.6%
338	20	4359	2.15	2.10	0.39	2.16	1.90	1.45	0.99	1.90	-0.26	-12.0%
339	10	4363	4.10	4.09	0.39	4.35	3.15	2.38	1.63	3.15	-1.20	-27.6%
340	20	4371	3.21	3.12	0.45	3.27	3.13	2.65	1.79	3.13	-0.14	-4.3%
341	45	4535	1.56	1.53	0.28	1.78	1.54	1.38	0.93	1.54	-0.24	-13.5%
342	120	4618	17.43	17.30	0.96	17.62	16.40	19.09	17.60	19.09	1.47	8.3%
343	10	4366	12.86	12.84	1.03	13.25	11.46	8.64	5.92	11.46	-1.79	-13.5%
344	45	4528	4.15	4.11	0.69	4.30	4.30	3.54	2.43	4.30	0.00	0.0%
345	20	4359	1.11	1.06	0.17	1.14	1.10	0.85	0.58	1.10	-0.04	-3.5%
346	20	4367	1.04	1.02	0.17	1.06	0.91	0.67	0.46	0.91	-0.15	-14.2%
347	20	4359	1.50	1.42	0.24	1.55	1.32	0.96	0.64	1.32	-0.23	-14.8%
348	45	4528	9.12	9.17	1.25	9.39	9.39	8.09	5.49	9.39	0.00	0.0%
349	45	4528	9.39	9.61	1.38	9.86	9.86	8.22	5.38	9.86	0.00	0.0%
350	10	4363	2.74	2.76	0.24	2.86	2.28	1.74	1.19	2.28	-0.58	-20.3%
351	45	4528	42.49	42.28	3.12	43.97	43.97	40.19	27.80	43.97	0.00	0.0%
352	20	4404	3.90	3.71	0.44	3.96	3.54	2.81	1.78	3.54	-0.42	-10.6%
353	10	4368	5.06	5.15	0.45	5.14	3.67	2.81	1.77	3.67	-1.47	-28.6%
354	30	4500	1.26	1.27	0.19	1.31	1.27	1.00	0.67	1.27	-0.04	-3.1%
355	45	4528	28.34	28.45	1.03	28.41	28.41	29.36	19.36	29.36	0.95	3.3%
356	45	4528	28.71	28.81	1.08	28.79	28.79	29.98	19.78	29.98	1.19	4.1%
357	30	4402	1.35	1.34	0.20	1.38	1.36	1.04	0.71	1.36	-0.02	-1.4%
358	15	4398	12.31	12.47	1.37	12.72	11.17	9.23	6.52	11.17	-1.55	-12.2%
359	10	4366	11.09	11.09	0.96	11.50	9.42	7.78	5.30	9.42	-2.08	-18.1%
360	15	4403	12.65	12.65	1.40	12.89	11.34	9.73	6.87	11.34	-1.55	-12.0%
361	60	4559	7.27	7.20	0.88	7.80	7.41	7.28	5.59	7.41	-0.39	-5.0%
362	20	4359	1.93	1.87	0.27	1.97	1.87	1.38	0.94	1.87	-0.10	-5.1%
363	20	4359	1.31	1.27	0.20	1.33	1.25	0.92	0.63	1.25	-0.08	-6.0%
364	10	4363	1.36	1.36	0.13	1.45	1.20	0.89	0.61	1.20	-0.25	-17.2%
365	25	4464	1.55	1.51	0.23	1.57	1.54	1.14	0.79	1.54	-0.03	-1.9%
366	20	4359	1.56	1.53	0.27	1.58	1.35	0.98	0.66	1.35	-0.23	-14.6%
367	360	4723	4.97	4.86	0.71	5.00	4.83	4.20	4.54	4.83	-0.17	-3.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
368	20	4371	1.38	1.34	0.22	1.41	1.17	0.84	0.56	1.17	-0.24	-17.0%
369	30	4500	3.58	3.56	0.47	3.72	3.63	2.96	2.05	3.63	-0.09	-2.4%
370	20	4367	2.12	2.05	0.28	2.13	2.09	1.66	1.13	2.09	-0.04	-1.9%
371	10	4363	1.70	1.70	0.16	1.81	1.39	1.08	0.73	1.39	-0.42	-23.2%
372	20	4371	1.45	1.40	0.23	1.49	1.30	0.93	0.64	1.30	-0.19	-12.8%
373	20	4367	3.06	2.95	0.36	3.06	2.86	2.17	1.44	2.86	-0.20	-6.5%
374	20	4367	1.16	1.14	0.21	1.19	0.85	0.67	0.41	0.85	-0.34	-28.6%
375	45	4528	2.96	2.94	0.54	2.99	2.99	2.64	1.75	2.99	0.00	0.0%
376	45	4528	2.19	2.13	0.39	2.23	2.23	1.84	1.25	2.23	0.00	0.0%
377	20	4428	14.34	14.07	2.06	14.40	14.13	11.31	7.76	14.13	-0.27	-1.9%
378	120	4615	96.68	98.05	6.86	97.70	82.94	104.93	100.66	104.93	7.23	7.4%
379	20	4367	0.79	0.77	0.13	0.80	0.66	0.47	0.31	0.66	-0.14	-17.5%
380	15	4358	5.76	5.60	0.47	5.80	5.54	4.79	3.23	5.54	-0.26	-4.5%
381	45	4528	1.04	1.01	0.19	1.05	1.05	0.89	0.60	1.05	0.00	0.0%
382	45	4527	1.54	1.49	0.27	1.76	1.53	1.31	0.88	1.53	-0.23	-13.1%
383	25	4464	0.34	0.33	0.06	0.34	0.32	0.24	0.16	0.32	-0.02	-5.9%
384	45	4528	18.03	18.05	1.58	18.52	18.52	16.40	11.60	18.52	0.00	0.0%
385	45	4528	41.97	41.88	3.29	43.50	43.50	39.01	27.09	43.50	0.00	0.0%
386	45	4531	2.54	2.51	0.45	2.54	2.49	2.32	1.56	2.49	-0.05	-2.0%
387	45	4531	1.45	1.45	0.26	1.45	1.44	1.32	0.88	1.44	-0.01	-0.7%
388	45	4528	6.16	6.15	1.07	6.31	6.31	5.43	3.64	6.31	0.00	0.0%
389	120	4618	50.13	49.70	8.57	53.83	45.85	61.76	46.00	61.76	7.93	14.7%
390	20	4371	0.38	0.36	0.07	0.39	0.28	0.22	0.13	0.28	-0.11	-28.2%
391	25	4462	2.06	2.05	0.22	2.09	2.08	1.62	1.10	2.08	-0.01	-0.5%
392	25	4464	0.73	0.70	0.10	0.75	0.73	0.54	0.37	0.73	-0.02	-2.7%
393	25	4464	0.37	0.36	0.06	0.38	0.36	0.27	0.18	0.36	-0.02	-5.3%
394	20	4371	1.36	1.31	0.21	1.41	1.33	1.11	0.74	1.33	-0.08	-5.7%
395	20	4367	2.09	2.06	0.28	2.10	1.89	1.38	0.93	1.89	-0.21	-10.0%
396	20	4371	1.24	1.20	0.20	1.27	1.11	0.81	0.55	1.11	-0.16	-12.6%
397	45	4533	18.06	18.16	1.62	18.49	18.50	16.93	11.64	18.50	0.01	0.1%
398	20	4371	0.42	0.41	0.07	0.43	0.36	0.26	0.17	0.36	-0.07	-16.3%
399	20	4371	0.20	0.19	0.03	0.20	0.15	0.12	0.07	0.15	-0.05	-25.0%
400	720	4785	0.40	0.40	0.08	0.40	0.19	0.32	0.35	0.35	-0.05	-12.5%
401	45	4528	2.69	2.68	0.44	2.80	2.80	2.31	1.57	2.80	0.00	0.0%
402	10	4363	1.94	1.94	0.18	2.06	1.45	1.03	0.69	1.45	-0.61	-29.6%
403	20	4371	1.29	1.24	0.21	1.32	1.10	0.79	0.53	1.10	-0.22	-16.7%
404	25	4461	8.20	8.26	0.81	8.25	8.11	6.54	4.42	8.11	-0.14	-1.7%
405	10	4363	3.60	3.63	0.32	3.74	3.08	2.26	1.57	3.08	-0.66	-17.6%
406	20	4371	2.56	2.53	0.39	2.61	2.27	1.66	1.12	2.27	-0.34	-13.0%
407	120	4618	50.08	49.68	8.60	53.83	45.85	61.76	45.97	61.76	7.93	14.7%
408	60	4558	9.77	10.10	0.69	9.97	8.74	11.54	8.39	11.54	1.57	15.7%
409	60	4558	9.73	9.99	0.59	9.90	8.53	11.77	8.61	11.77	1.87	18.9%
410	90	4584	16.26	16.61	2.82	17.22	15.94	19.71	14.30	19.71	2.49	14.5%
411	45	4531	1.65	1.64	0.29	1.66	1.63	1.52	1.01	1.63	-0.03	-1.8%
412	45	4528	2.24	2.21	0.41	2.26	2.26	1.97	1.31	2.26	0.00	0.0%
413	30	4502	1.98	1.97	0.19	2.08	1.97	1.69	1.14	1.97	-0.11	-5.3%
414	20	4359	3.15	3.07	0.52	3.25	2.86	2.12	1.47	2.86	-0.39	-12.0%
415	10	4363	3.35	3.34	0.32	3.55	2.87	2.32	1.58	2.87	-0.68	-19.2%
416	20	4367	0.90	0.88	0.15	0.90	0.77	0.55	0.37	0.77	-0.13	-14.4%
417	20	4371	1.06	1.01	0.17	1.11	0.90	0.65	0.43	0.90	-0.21	-18.9%
418	30	4402	1.87	1.81	0.35	1.93	1.83	1.42	0.96	1.83	-0.10	-5.2%
419	45	4528	6.68	6.74	1.06	6.90	6.90	5.88	3.98	6.90	0.00	0.0%
420	45	4528	22.87	22.84	1.35	23.31	23.31	26.56	21.37	26.56	3.25	13.9%
421	10	4363	0.86	0.86	0.08	0.92	0.70	0.50	0.33	0.70	-0.22	-23.9%
422	10	4363	9.29	9.31	0.86	9.79	7.31	6.00	4.03	7.31	-2.48	-25.3%
423	10	4363	4.43	4.42	0.42	4.70	3.47	2.83	1.90	3.47	-1.23	-26.2%
424	10	4363	3.49	3.48	0.33	3.70	2.82	2.28	1.53	2.82	-0.88	-23.8%
425	10	4363	0.93	0.92	0.09	0.98	0.56	0.46	0.27	0.56	-0.42	-42.9%
426	45	4528	0.91	0.89	0.16	0.94	0.94	0.75	0.52	0.94	0.00	0.0%
427	20	4371	1.43	1.37	0.21	1.48	1.39	1.05	0.72	1.39	-0.09	-6.1%
428	10	4363	1.84	1.83	0.17	1.95	1.45	1.04	0.71	1.45	-0.50	-25.6%
429	45	4528	26.00	26.44	2.82	27.17	27.17	25.45	17.94	27.17	0.00	0.0%
430	20	4371	0.48	0.46	0.08	0.50	0.35	0.28	0.17	0.35	-0.15	-30.0%
431	20	4367	1.33	1.32	0.23	1.36	1.12	0.80	0.55	1.12	-0.24	-17.6%
432	10	4363	0.95	0.94	0.09	1.00	0.75	0.54	0.36	0.75	-0.25	-25.0%
433	20	4359	1.86	1.78	0.29	1.95	1.52	1.16	0.74	1.52	-0.43	-22.1%
434	20	4359	1.29	1.23	0.20	1.33	1.18	0.86	0.58	1.18	-0.15	-11.3%
435	20	4371	0.67	0.66	0.09	0.67	0.56	0.42	0.27	0.56	-0.11	-16.4%
436	60	4559	7.05	6.94	0.89	7.56	7.20	7.03	5.35	7.20	-0.36	-4.8%
437	45	4531	6.32	6.49	0.55	6.45	6.54	6.19	4.68	6.54	0.09	1.4%
438	45	4531	6.13	6.31	0.59	6.30	6.33	5.88	4.44	6.33	0.03	0.5%
439	45	4531	6.05	6.24	0.62	6.23	6.24	5.75	4.35	6.24	0.01	0.2%
440	45	4531	5.17	5.31	0.56	5.22	5.42	4.78	3.64	5.42	0.20	3.8%
441	45	4531	5.10	5.24	0.56	5.14	5.35	4.68	3.57	5.35	0.21	4.1%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
442	45	4528	4.84	4.94	0.56	5.07	5.07	4.40	3.35	5.07	0.00	0.0%
443	60	4558	7.42	7.46	0.94	7.45	7.47	7.65	5.86	7.65	0.20	2.7%
444	60	4558	7.48	7.51	0.92	7.51	7.50	7.78	5.93	7.78	0.27	3.6%
445	25	4462	0.60	0.59	0.06	0.61	0.62	0.47	0.33	0.62	0.01	1.6%
446	25	4462	0.40	0.39	0.05	0.40	0.40	0.30	0.20	0.40	0.00	0.0%
447	45	4528	1.71	1.68	0.29	1.74	1.74	1.46	0.99	1.74	0.00	0.0%
448	45	4528	1.05	1.02	0.19	1.05	1.05	0.89	0.60	1.05	0.00	0.0%
449	25	4462	0.92	0.92	0.10	0.94	0.94	0.72	0.50	0.94	0.00	0.0%
450	20	4371	0.09	0.09	0.02	0.10	0.06	0.05	0.03	0.06	-0.04	-40.0%
451	20	4429	0.39	0.39	0.05	0.40	0.36	0.27	0.17	0.36	-0.04	-10.0%
452	20	4371	0.23	0.22	0.03	0.24	0.20	0.15	0.10	0.20	-0.04	-16.7%
453	45	4531	2.79	2.83	0.48	2.89	2.77	2.63	1.80	2.77	-0.12	-4.2%
454	20	4371	0.65	0.62	0.10	0.67	0.60	0.44	0.30	0.60	-0.07	-10.4%
455	45	4528	2.87	2.90	0.47	2.87	2.87	2.74	1.88	2.87	0.00	0.0%
456	45	4528	0.12	0.12	0.02	0.12	0.12	0.11	0.07	0.12	0.00	0.0%
457	20	4371	0.66	0.64	0.09	0.68	0.64	0.48	0.33	0.64	-0.04	-5.9%
458	20	4371	0.27	0.26	0.05	0.28	0.21	0.16	0.10	0.21	-0.07	-25.0%
459	20	4371	0.81	0.78	0.11	0.83	0.69	0.50	0.33	0.69	-0.14	-16.9%
460	20	4359	1.36	1.30	0.21	1.40	1.17	0.85	0.56	1.17	-0.23	-16.4%
461	20	4371	1.75	1.69	0.24	1.75	1.58	1.16	0.77	1.58	-0.17	-9.7%
462	20	4371	0.76	0.72	0.11	0.78	0.74	0.59	0.40	0.74	-0.04	-5.1%
463	20	4371	0.34	0.33	0.05	0.35	0.29	0.21	0.14	0.29	-0.06	-17.1%
464	25	4464	0.42	0.42	0.06	0.43	0.42	0.30	0.21	0.42	-0.01	-2.3%
465	20	4429	0.14	0.14	0.02	0.14	0.12	0.09	0.06	0.12	-0.02	-14.3%
466	25	4462	0.45	0.45	0.05	0.46	0.46	0.34	0.23	0.46	0.00	0.0%
467	25	4462	1.80	1.79	0.19	1.83	1.89	1.44	0.98	1.89	0.06	3.3%
468	20	4359	1.33	1.28	0.21	1.38	1.16	0.83	0.55	1.16	-0.22	-15.9%
469	20	4371	0.82	0.80	0.13	0.85	0.68	0.50	0.32	0.68	-0.17	-20.0%
470	20	4371	0.49	0.47	0.08	0.51	0.41	0.30	0.19	0.41	-0.10	-19.6%
471	20	4371	0.40	0.38	0.06	0.41	0.33	0.24	0.16	0.33	-0.08	-19.5%
472	20	4371	0.30	0.29	0.05	0.31	0.25	0.18	0.12	0.25	-0.06	-19.4%
473	20	4371	0.49	0.47	0.06	0.49	0.41	0.31	0.20	0.41	-0.08	-16.3%
474	20	4359	1.68	1.64	0.27	1.71	1.52	1.13	0.76	1.52	-0.19	-11.1%
475	20	4371	1.47	1.42	0.22	1.49	1.30	0.95	0.64	1.30	-0.19	-12.8%
476	20	4371	0.16	0.16	0.02	0.17	0.13	0.10	0.06	0.13	-0.04	-23.5%
477	20	4371	0.24	0.23	0.05	0.25	0.17	0.14	0.08	0.17	-0.08	-32.0%
478	20	4371	0.47	0.45	0.07	0.48	0.39	0.28	0.19	0.39	-0.09	-18.8%
479	20	4371	0.73	0.72	0.10	0.73	0.65	0.48	0.32	0.65	-0.08	-11.0%
480	20	4359	1.69	1.64	0.24	1.76	1.56	1.15	0.78	1.56	-0.20	-11.4%
481	20	4359	1.90	1.83	0.25	1.98	1.86	1.41	0.95	1.86	-0.12	-6.1%
482	25	4462	0.04	0.04	0.01	0.05	0.04	0.03	0.02	0.04	-0.01	-20.0%
483	25	4462	0.15	0.15	0.02	0.15	0.15	0.11	0.08	0.15	0.00	0.0%
484	45	4528	0.31	0.31	0.05	0.33	0.33	0.25	0.17	0.33	0.00	0.0%
485	20	4371	0.83	0.81	0.13	0.86	0.71	0.52	0.34	0.71	-0.15	-17.4%
486	20	4371	0.85	0.81	0.12	0.86	0.77	0.57	0.37	0.77	-0.09	-10.5%
487	20	4371	0.16	0.16	0.03	0.17	0.13	0.10	0.06	0.13	-0.04	-23.5%
488	20	4433	0.20	0.20	0.03	0.21	0.17	0.12	0.08	0.17	-0.04	-19.0%
489	20	4371	1.65	1.60	0.23	1.67	1.59	1.24	0.84	1.59	-0.08	-4.8%
490	20	4371	0.08	0.08	0.02	0.08	0.06	0.05	0.03	0.06	-0.02	-25.0%
491	25	4462	0.26	0.25	0.04	0.26	0.26	0.19	0.13	0.26	0.00	0.0%
492	45	4528	0.53	0.52	0.10	0.54	0.54	0.43	0.29	0.54	0.00	0.0%
493	20	4371	0.10	0.10	0.02	0.10	0.07	0.06	0.04	0.07	-0.03	-30.0%
494	25	4464	0.17	0.17	0.03	0.18	0.17	0.12	0.08	0.17	-0.01	-5.6%
495	20	4371	0.25	0.24	0.04	0.26	0.20	0.14	0.10	0.20	-0.06	-23.1%
496	20	4371	0.31	0.30	0.05	0.32	0.24	0.18	0.11	0.24	-0.08	-25.0%
497	25	4464	0.63	0.61	0.08	0.63	0.64	0.50	0.34	0.64	0.01	1.6%
498	25	4462	0.33	0.32	0.04	0.33	0.34	0.26	0.18	0.34	0.01	3.0%
499	25	4464	0.31	0.31	0.06	0.32	0.30	0.22	0.14	0.30	-0.02	-6.3%
500	20	4371	0.38	0.36	0.06	0.39	0.30	0.22	0.14	0.30	-0.09	-23.1%
501	20	4371	0.42	0.40	0.06	0.43	0.36	0.26	0.17	0.36	-0.07	-16.3%
502	20	4428	14.50	14.22	2.04	14.62	14.29	11.60	7.95	14.29	-0.33	-2.3%
503	20	4371	0.53	0.51	0.08	0.55	0.50	0.36	0.24	0.50	-0.05	-9.1%
504	20	4371	0.74	0.71	0.11	0.76	0.67	0.49	0.34	0.67	-0.09	-11.8%
505	25	4462	0.28	0.27	0.04	0.28	0.28	0.21	0.13	0.28	0.00	0.0%
506	20	4371	0.24	0.23	0.04	0.25	0.19	0.14	0.09	0.19	-0.06	-24.0%
507	45	4528	0.37	0.36	0.07	0.38	0.38	0.30	0.20	0.38	0.00	0.0%
508	25	4462	0.19	0.19	0.03	0.20	0.19	0.14	0.09	0.19	-0.01	-5.0%
509	25	4462	0.56	0.56	0.05	0.57	0.58	0.44	0.30	0.58	0.01	1.8%
510	20	4367	2.05	1.96	0.24	2.11	2.00	1.52	1.04	2.00	-0.11	-5.2%
511	20	4367	2.53	2.42	0.28	2.56	2.51	1.97	1.33	2.51	-0.05	-2.0%
512	20	4367	2.65	2.54	0.31	2.68	2.62	2.07	1.41	2.62	-0.06	-2.2%
513	20	4359	1.36	1.35	0.23	1.38	1.27	0.98	0.67	1.27	-0.11	-8.0%
514	20	4371	0.54	0.53	0.09	0.56	0.41	0.31	0.19	0.41	-0.15	-26.8%
515	20	4371	0.64	0.61	0.10	0.66	0.58	0.42	0.28	0.58	-0.08	-12.1%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
516	20	4371	0.26	0.25	0.04	0.27	0.21	0.15	0.10	0.21	-0.06	-22.2%
517	20	4371	0.32	0.30	0.06	0.33	0.24	0.18	0.11	0.24	-0.09	-27.3%
518	25	4462	0.72	0.70	0.08	0.72	0.73	0.57	0.39	0.73	0.01	1.4%
519	20	4371	0.76	0.73	0.11	0.79	0.74	0.55	0.37	0.74	-0.05	-6.3%
520	25	4462	1.11	1.10	0.10	1.13	1.13	0.90	0.60	1.13	0.00	0.0%
521	20	4371	0.26	0.26	0.04	0.27	0.26	0.19	0.13	0.26	-0.01	-3.7%
522	20	4371	0.32	0.32	0.05	0.34	0.32	0.23	0.16	0.32	-0.02	-5.9%
523	20	4433	0.37	0.38	0.04	0.38	0.34	0.25	0.16	0.34	-0.04	-10.5%
524	30	4402	0.53	0.50	0.10	0.57	0.52	0.41	0.26	0.52	-0.05	-8.8%
525	10	4363	1.91	1.90	0.18	2.03	1.13	0.93	0.54	1.13	-0.90	-44.3%
526	20	4371	0.43	0.41	0.07	0.44	0.34	0.25	0.16	0.34	-0.10	-22.7%
527	20	4359	1.89	1.82	0.23	1.98	1.87	1.49	0.98	1.87	-0.11	-5.6%
528	10	4363	0.39	0.39	0.04	0.40	0.25	0.20	0.12	0.25	-0.15	-37.5%
529	20	4367	0.13	0.12	0.03	0.13	0.09	0.07	0.04	0.09	-0.04	-30.8%
530	20	4371	0.92	0.90	0.13	0.92	0.85	0.62	0.43	0.85	-0.07	-7.6%
531	20	4371	0.38	0.36	0.07	0.40	0.28	0.22	0.13	0.28	-0.12	-30.0%
532	20	4371	0.07	0.07	0.02	0.08	0.06	0.04	0.02	0.06	-0.02	-25.0%
533	20	4371	0.68	0.66	0.11	0.70	0.54	0.39	0.26	0.54	-0.16	-22.9%
534	10	4363	1.13	1.13	0.11	1.20	0.77	0.60	0.37	0.77	-0.43	-35.8%
535	30	4503	0.61	0.62	0.07	0.61	0.63	0.50	0.34	0.63	0.02	3.3%
536	25	4462	0.65	0.63	0.07	0.66	0.67	0.51	0.35	0.67	0.01	1.5%
537	25	4462	0.57	0.57	0.06	0.59	0.59	0.45	0.31	0.59	0.00	0.0%
538	20	4433	0.08	0.08	0.01	0.08	0.06	0.05	0.03	0.06	-0.02	-25.0%
539	20	4429	0.20	0.20	0.03	0.20	0.17	0.13	0.08	0.17	-0.03	-15.0%
540	20	4433	0.31	0.30	0.04	0.31	0.27	0.20	0.13	0.27	-0.04	-12.9%
541	25	4464	0.72	0.74	0.10	0.73	0.72	0.55	0.35	0.72	-0.01	-1.4%
542	25	4462	0.35	0.35	0.06	0.36	0.34	0.25	0.16	0.34	-0.02	-5.6%
543	45	4528	1.53	1.52	0.27	1.60	1.60	1.26	0.86	1.60	0.00	0.0%
544	25	4462	0.38	0.37	0.06	0.38	0.37	0.27	0.18	0.37	-0.01	-2.6%
545	25	4464	0.76	0.78	0.09	0.78	0.78	0.60	0.39	0.78	0.00	0.0%
546	25	4464	0.85	0.87	0.09	0.86	0.87	0.67	0.44	0.87	0.01	1.2%
547	25	4462	1.50	1.46	0.17	1.51	1.57	1.21	0.83	1.57	0.06	4.0%
548	45	4528	1.59	1.58	0.27	1.67	1.67	1.29	0.89	1.67	0.00	0.0%
549	25	4464	1.07	1.10	0.12	1.09	1.09	0.85	0.55	1.09	0.00	0.0%
550	45	4528	1.79	1.77	0.30	1.86	1.86	1.47	0.96	1.86	0.00	0.0%
551	45	4528	4.08	4.13	0.63	4.25	4.25	3.51	2.32	4.25	0.00	0.0%
552	45	4528	4.16	4.23	0.63	4.35	4.35	3.62	2.39	4.35	0.00	0.0%
553	45	4528	1.46	1.45	0.24	1.53	1.53	1.21	0.80	1.53	0.00	0.0%
554	25	4462	0.18	0.17	0.03	0.18	0.17	0.13	0.08	0.17	-0.01	-5.6%
555	25	4462	0.58	0.58	0.06	0.60	0.60	0.46	0.31	0.60	0.00	0.0%
556	45	4531	7.74	7.96	0.84	7.75	8.16	7.25	4.77	8.16	0.41	5.3%
557	45	4528	7.15	7.30	0.85	7.52	7.52	6.56	4.31	7.52	0.00	0.0%
558	30	4502	0.89	0.90	0.12	0.90	0.93	0.72	0.48	0.93	0.03	3.3%
559	45	4528	0.61	0.60	0.11	0.64	0.64	0.49	0.33	0.64	0.00	0.0%
560	25	4462	0.42	0.41	0.05	0.43	0.42	0.31	0.21	0.42	-0.01	-2.3%
561	20	4371	0.21	0.20	0.04	0.22	0.15	0.12	0.07	0.15	-0.07	-31.8%
562	20	4359	0.35	0.34	0.05	0.36	0.31	0.24	0.15	0.31	-0.05	-13.9%
563	10	4363	0.66	0.66	0.06	0.70	0.43	0.34	0.20	0.43	-0.27	-38.6%
564	10	4363	0.29	0.29	0.03	0.31	0.20	0.16	0.09	0.20	-0.11	-35.5%
565	25	4460	0.64	0.65	0.10	0.64	0.62	0.48	0.30	0.62	-0.02	-3.1%
566	25	4464	1.02	1.04	0.12	1.03	1.04	0.81	0.52	1.04	0.01	1.0%
567	30	4402	1.16	1.14	0.19	1.24	1.18	0.93	0.61	1.18	-0.06	-4.8%
568	45	4528	1.45	1.42	0.24	1.49	1.49	1.19	0.78	1.49	0.00	0.0%
569	25	4462	0.23	0.23	0.03	0.24	0.24	0.18	0.12	0.24	0.00	0.0%
570	45	4528	1.75	1.74	0.28	1.82	1.82	1.46	0.96	1.82	0.00	0.0%
571	20	4429	0.23	0.23	0.03	0.23	0.21	0.15	0.10	0.21	-0.02	-8.7%
572	10	4366	0.71	0.71	0.02	0.72	0.60	0.47	0.29	0.60	-0.12	-16.7%
573	10	4363	1.15	1.16	0.10	1.20	0.82	0.64	0.40	0.82	-0.38	-31.7%
574	20	4371	0.51	0.50	0.08	0.52	0.37	0.29	0.18	0.37	-0.15	-28.8%
575	25	4462	0.39	0.38	0.06	0.39	0.38	0.29	0.19	0.38	-0.01	-2.6%
576	25	4462	0.17	0.17	0.03	0.17	0.16	0.12	0.08	0.16	-0.01	-5.9%
577	45	4528	0.41	0.40	0.07	0.42	0.42	0.33	0.22	0.42	0.00	0.0%
578	25	4462	0.18	0.18	0.02	0.18	0.18	0.13	0.09	0.18	0.00	0.0%
579	20	4359	2.22	2.13	0.31	2.35	2.02	1.57	1.00	2.02	-0.33	-14.0%
580	25	4460	0.14	0.14	0.02	0.14	0.14	0.10	0.07	0.14	0.00	0.0%
581	15	4396	9.59	9.45	0.40	9.89	8.76	7.08	4.57	8.76	-1.13	-11.4%
582	20	4371	0.49	0.47	0.08	0.51	0.39	0.29	0.18	0.39	-0.12	-23.5%
583	20	4371	0.35	0.34	0.06	0.36	0.28	0.20	0.13	0.28	-0.08	-22.2%
584	20	4371	0.67	0.65	0.11	0.69	0.54	0.39	0.25	0.54	-0.15	-21.7%
585	25	4462	1.60	1.61	0.18	1.63	1.55	1.22	0.79	1.55	-0.08	-4.9%
586	25	4464	1.52	1.55	0.19	1.53	1.44	1.12	0.73	1.44	-0.09	-5.9%
587	20	4371	0.29	0.28	0.05	0.30	0.23	0.17	0.11	0.23	-0.07	-23.3%
588	20	4371	0.14	0.14	0.02	0.14	0.11	0.08	0.05	0.11	-0.03	-21.4%
589	20	4371	0.68	0.65	0.11	0.70	0.56	0.41	0.27	0.56	-0.14	-20.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
590	20	4371	0.79	0.78	0.11	0.81	0.70	0.52	0.34	0.70	-0.11	-13.6%
591	20	4359	1.13	1.10	0.19	1.15	0.98	0.72	0.48	0.98	-0.17	-14.8%
592	20	4371	0.28	0.27	0.05	0.29	0.21	0.16	0.10	0.21	-0.08	-27.6%
593	25	4464	0.24	0.25	0.05	0.25	0.23	0.18	0.11	0.23	-0.02	-8.0%
594	25	4462	0.27	0.27	0.05	0.27	0.26	0.20	0.12	0.26	-0.01	-3.7%
595	20	4371	0.77	0.74	0.12	0.80	0.64	0.46	0.30	0.64	-0.16	-20.0%
596	20	4371	0.28	0.27	0.05	0.29	0.21	0.17	0.10	0.21	-0.08	-27.6%
597	15	4393	0.28	0.27	0.04	0.31	0.17	0.15	0.08	0.17	-0.14	-45.2%
598	10	4363	0.53	0.53	0.05	0.56	0.33	0.27	0.15	0.33	-0.23	-41.1%
599	20	4371	1.08	1.04	0.17	1.13	0.89	0.64	0.42	0.89	-0.24	-21.2%
600	20	4371	0.32	0.30	0.05	0.33	0.24	0.18	0.11	0.24	-0.09	-27.3%
601	20	4433	0.21	0.21	0.02	0.21	0.19	0.14	0.09	0.19	-0.02	-9.5%
602	20	4367	0.58	0.57	0.11	0.59	0.41	0.33	0.20	0.41	-0.18	-30.5%
603	20	4371	1.11	1.07	0.19	1.16	0.86	0.65	0.41	0.86	-0.30	-25.9%
604	20	4371	2.79	2.71	0.45	2.80	2.29	1.81	1.13	2.29	-0.51	-18.2%
605	20	4371	0.42	0.41	0.08	0.43	0.30	0.23	0.14	0.30	-0.13	-30.2%
606	10	4363	0.22	0.22	0.02	0.24	0.14	0.11	0.06	0.14	-0.10	-41.7%
607	20	4367	1.92	1.89	0.35	1.93	1.41	1.12	0.68	1.41	-0.52	-26.9%
608	10	4363	0.79	0.78	0.07	0.84	0.49	0.40	0.23	0.49	-0.35	-41.7%
609	20	4367	1.77	1.75	0.32	1.81	1.30	1.03	0.62	1.30	-0.51	-28.2%
610	20	4371	0.91	0.89	0.13	0.91	0.72	0.54	0.34	0.72	-0.19	-20.9%
611	20	4371	0.11	0.10	0.02	0.11	0.07	0.06	0.03	0.07	-0.04	-36.4%
612	20	4359	2.98	2.87	0.42	3.06	2.55	2.04	1.27	2.55	-0.51	-16.7%
613	20	4371	0.12	0.12	0.02	0.13	0.09	0.07	0.04	0.09	-0.04	-30.8%
614	20	4371	0.66	0.64	0.10	0.67	0.54	0.39	0.26	0.54	-0.13	-19.4%
615	20	4367	0.71	0.69	0.12	0.71	0.59	0.43	0.28	0.59	-0.12	-16.9%
616	20	4371	0.16	0.15	0.03	0.16	0.11	0.09	0.05	0.11	-0.05	-31.3%
617	25	4462	0.44	0.44	0.06	0.45	0.44	0.33	0.21	0.44	-0.01	-2.2%
618	10	4363	0.61	0.61	0.06	0.65	0.36	0.29	0.17	0.36	-0.29	-44.6%
619	45	4528	1.19	1.17	0.21	1.21	1.21	1.00	0.66	1.21	0.00	0.0%
620	45	4528	1.47	1.47	0.25	1.50	1.50	1.29	0.84	1.50	0.00	0.0%
621	20	4371	0.21	0.20	0.05	0.23	0.14	0.12	0.07	0.14	-0.09	-39.1%
622	45	4528	0.35	0.34	0.06	0.36	0.36	0.28	0.19	0.36	0.00	0.0%
623	45	4528	0.62	0.60	0.11	0.63	0.63	0.51	0.34	0.63	0.00	0.0%
624	45	4528	0.65	0.64	0.11	0.68	0.68	0.54	0.37	0.68	0.00	0.0%
625	45	4528	0.67	0.65	0.12	0.68	0.68	0.55	0.37	0.68	0.00	0.0%
626	45	4528	2.01	1.99	0.35	2.09	2.09	1.68	1.13	2.09	0.00	0.0%
627	20	4371	0.71	0.68	0.09	0.71	0.56	0.42	0.26	0.56	-0.15	-21.1%
628	20	4367	0.39	0.38	0.07	0.40	0.28	0.22	0.13	0.28	-0.12	-30.0%
629	25	4462	0.30	0.30	0.03	0.31	0.31	0.23	0.16	0.31	0.00	0.0%
630	25	4462	0.14	0.14	0.03	0.14	0.13	0.10	0.06	0.13	-0.01	-7.1%
631	45	4528	0.46	0.45	0.08	0.47	0.47	0.38	0.25	0.47	0.00	0.0%
632	20	4371	0.38	0.37	0.07	0.40	0.28	0.23	0.13	0.28	-0.12	-30.0%
633	20	4371	0.57	0.54	0.09	0.58	0.46	0.34	0.22	0.46	-0.12	-20.7%
634	20	4371	0.81	0.79	0.14	0.83	0.66	0.47	0.31	0.66	-0.17	-20.5%
635	20	4371	1.09	1.04	0.17	1.13	0.94	0.68	0.45	0.94	-0.19	-16.8%
636	20	4371	0.55	0.53	0.09	0.57	0.44	0.32	0.21	0.44	-0.13	-22.8%
637	20	4371	0.78	0.75	0.12	0.81	0.70	0.50	0.34	0.70	-0.11	-13.6%
638	20	4371	0.57	0.55	0.09	0.58	0.47	0.34	0.22	0.47	-0.11	-19.0%
639	20	4359	1.50	1.43	0.22	1.54	1.44	1.07	0.74	1.44	-0.10	-6.5%
640	20	4371	0.63	0.60	0.10	0.64	0.52	0.37	0.25	0.52	-0.12	-18.8%
641	20	4371	0.40	0.39	0.07	0.41	0.31	0.23	0.15	0.31	-0.10	-24.4%
642	20	4371	1.09	1.07	0.19	1.11	0.78	0.62	0.38	0.78	-0.33	-29.7%
643	10	4363	0.85	0.85	0.08	0.91	0.53	0.43	0.25	0.53	-0.38	-41.8%
644	10	4363	2.29	2.29	0.22	2.44	1.49	1.15	0.71	1.49	-0.95	-38.9%
645	20	4371	0.63	0.60	0.10	0.65	0.53	0.39	0.25	0.53	-0.12	-18.5%
646	20	4404	1.77	1.70	0.19	1.80	1.69	1.29	0.88	1.69	-0.11	-6.1%
647	20	4371	0.91	0.87	0.15	0.95	0.77	0.55	0.36	0.77	-0.18	-18.9%
648	20	4371	0.28	0.27	0.05	0.29	0.22	0.17	0.10	0.22	-0.07	-24.1%
649	20	4367	1.08	1.07	0.18	1.09	0.95	0.69	0.47	0.95	-0.14	-12.8%
650	20	4359	1.64	1.56	0.27	1.70	1.39	1.01	0.66	1.39	-0.31	-18.2%
651	20	4371	0.47	0.45	0.07	0.49	0.40	0.29	0.19	0.40	-0.09	-18.4%
652	20	4371	0.47	0.45	0.08	0.49	0.37	0.27	0.17	0.37	-0.12	-24.5%
653	20	4371	0.63	0.61	0.10	0.65	0.51	0.37	0.24	0.51	-0.14	-21.5%
654	20	4371	0.81	0.78	0.14	0.84	0.67	0.48	0.32	0.67	-0.17	-20.2%
655	20	4371	0.46	0.44	0.07	0.48	0.39	0.28	0.19	0.39	-0.09	-18.8%
656	20	4371	0.25	0.24	0.04	0.25	0.20	0.14	0.09	0.20	-0.05	-20.0%
657	20	4371	0.42	0.40	0.07	0.43	0.32	0.24	0.15	0.32	-0.11	-25.6%
658	20	4371	0.19	0.18	0.03	0.20	0.14	0.11	0.06	0.14	-0.06	-30.0%
659	20	4371	0.61	0.58	0.10	0.64	0.49	0.37	0.23	0.49	-0.15	-23.4%
660	20	4371	0.35	0.33	0.06	0.36	0.28	0.20	0.13	0.28	-0.08	-22.2%
661	20	4371	0.20	0.19	0.03	0.20	0.16	0.12	0.07	0.16	-0.04	-20.0%
662	20	4359	1.19	1.15	0.21	1.23	0.96	0.70	0.46	0.96	-0.27	-22.0%
663	20	4371	0.27	0.26	0.05	0.28	0.20	0.16	0.09	0.20	-0.08	-28.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
664	10	4363	3.16	3.18	0.29	3.29	2.69	1.97	1.37	2.69	-0.60	-18.2%
665	10	4363	1.94	1.94	0.18	2.06	1.61	1.17	0.80	1.61	-0.45	-21.8%
666	45	4531	13.18	13.53	1.88	13.30	13.76	11.91	8.18	13.76	0.46	3.5%
667	20	4371	0.58	0.55	0.09	0.59	0.48	0.35	0.23	0.48	-0.11	-18.6%
668	20	4371	0.29	0.28	0.05	0.30	0.23	0.17	0.11	0.23	-0.07	-23.3%
669	20	4371	2.07	2.01	0.30	2.11	1.86	1.36	0.92	1.86	-0.25	-11.8%
670	20	4371	1.86	1.79	0.24	1.89	1.79	1.33	0.91	1.79	-0.10	-5.3%
671	20	4371	1.14	1.10	0.18	1.17	1.01	0.73	0.50	1.01	-0.16	-13.7%
672	45	4528	3.29	3.27	0.60	3.43	3.43	2.62	1.80	3.43	0.00	0.0%
673	20	4371	0.49	0.47	0.07	0.50	0.40	0.29	0.19	0.40	-0.10	-20.0%
674	20	4371	0.23	0.22	0.04	0.23	0.19	0.13	0.09	0.19	-0.04	-17.4%
675	20	4433	0.74	0.73	0.10	0.74	0.72	0.53	0.35	0.72	-0.02	-2.7%
676	20	4371	0.47	0.45	0.07	0.49	0.41	0.29	0.19	0.41	-0.08	-16.3%
677	45	4535	1.05	1.03	0.19	1.22	1.05	0.91	0.61	1.05	-0.17	-13.9%
678	45	4528	1.44	1.42	0.25	1.47	1.47	1.25	0.83	1.47	0.00	0.0%
679	45	4528	2.11	2.09	0.37	2.23	2.23	1.70	1.15	2.23	0.00	0.0%
680	20	4371	0.80	0.79	0.10	0.82	0.77	0.57	0.37	0.77	-0.05	-6.1%
681	20	4371	0.26	0.25	0.05	0.27	0.19	0.15	0.09	0.19	-0.08	-29.6%
682	20	4371	0.66	0.63	0.10	0.68	0.56	0.41	0.26	0.56	-0.12	-17.6%
683	45	4528	6.06	6.04	1.04	6.26	6.26	5.20	3.54	6.26	0.00	0.0%
684	25	4462	0.38	0.37	0.05	0.39	0.38	0.28	0.19	0.38	-0.01	-2.6%
685	20	4371	0.13	0.12	0.03	0.13	0.09	0.07	0.04	0.09	-0.04	-30.8%
686	20	4371	0.12	0.11	0.03	0.12	0.08	0.07	0.04	0.08	-0.04	-33.3%
687	20	4371	0.19	0.18	0.03	0.20	0.15	0.11	0.07	0.15	-0.05	-25.0%
688	20	4359	0.81	0.77	0.13	0.84	0.65	0.48	0.31	0.65	-0.19	-22.6%
689	25	4464	0.36	0.37	0.04	0.38	0.37	0.28	0.19	0.37	-0.01	-2.6%
690	25	4462	0.44	0.43	0.06	0.44	0.45	0.33	0.23	0.45	0.01	2.3%
691	45	4528	0.48	0.47	0.09	0.49	0.49	0.42	0.27	0.49	0.00	0.0%
692	20	4371	0.13	0.12	0.02	0.13	0.10	0.07	0.05	0.10	-0.03	-23.1%
693	20	4371	0.30	0.29	0.04	0.31	0.26	0.19	0.12	0.26	-0.05	-16.1%
694	25	4464	1.86	1.83	0.21	1.86	1.84	1.46	0.99	1.84	-0.02	-1.1%
695	30	4500	3.08	3.05	0.36	3.27	3.08	2.55	1.74	3.08	-0.19	-5.8%
696	45	4528	6.30	6.28	0.99	6.48	6.48	5.44	3.68	6.48	0.00	0.0%
697	20	4367	0.72	0.71	0.12	0.73	0.57	0.41	0.27	0.57	-0.16	-21.9%
698	20	4367	0.76	0.75	0.13	0.77	0.60	0.43	0.28	0.60	-0.17	-22.1%
699	20	4371	0.19	0.19	0.04	0.20	0.14	0.11	0.07	0.14	-0.06	-30.0%
700	10	4363	1.05	1.04	0.10	1.11	0.90	0.65	0.44	0.90	-0.21	-18.9%
701	20	4371	1.27	1.24	0.21	1.31	1.07	0.77	0.52	1.07	-0.24	-18.3%
702	20	4359	1.11	1.08	0.19	1.14	0.92	0.66	0.44	0.92	-0.22	-19.3%
703	20	4371	0.66	0.63	0.10	0.68	0.56	0.40	0.27	0.56	-0.12	-17.6%
704	20	4371	0.17	0.16	0.03	0.17	0.13	0.10	0.06	0.13	-0.04	-23.5%
705	20	4371	0.17	0.16	0.03	0.18	0.13	0.10	0.06	0.13	-0.05	-27.8%
706	20	4371	0.24	0.23	0.04	0.25	0.22	0.16	0.11	0.22	-0.03	-12.0%
707	20	4371	1.03	1.01	0.13	1.04	0.92	0.68	0.45	0.92	-0.12	-11.5%
708	45	4528	9.84	9.88	1.29	10.12	10.12	8.77	6.00	10.12	0.00	0.0%
709	45	4528	10.00	10.06	1.28	10.31	10.31	8.98	6.15	10.31	0.00	0.0%
710	45	4528	10.07	10.15	1.27	10.39	10.39	9.06	6.21	10.39	0.00	0.0%
711	20	4371	0.31	0.29	0.05	0.31	0.24	0.17	0.11	0.24	-0.07	-22.6%
712	20	4371	0.44	0.43	0.08	0.45	0.33	0.25	0.15	0.33	-0.12	-26.7%
713	20	4371	0.47	0.45	0.08	0.48	0.37	0.27	0.18	0.37	-0.11	-22.9%
714	20	4371	0.67	0.65	0.09	0.67	0.57	0.42	0.27	0.57	-0.10	-14.9%
715	45	4528	18.58	18.57	1.55	19.15	19.15	17.01	12.00	19.15	0.00	0.0%
716	20	4371	0.44	0.42	0.07	0.46	0.39	0.28	0.19	0.39	-0.07	-15.2%
717	45	4528	8.69	8.68	1.28	8.90	8.90	7.61	5.14	8.90	0.00	0.0%
718	20	4367	1.10	1.08	0.18	1.12	0.91	0.65	0.44	0.91	-0.21	-18.8%
719	20	4371	0.79	0.76	0.10	0.79	0.75	0.55	0.38	0.75	-0.04	-5.1%
720	20	4371	0.36	0.35	0.05	0.37	0.33	0.24	0.16	0.33	-0.04	-10.8%
721	20	4371	0.48	0.46	0.08	0.49	0.37	0.27	0.17	0.37	-0.12	-24.5%
722	20	4371	0.40	0.39	0.06	0.41	0.33	0.23	0.15	0.33	-0.08	-19.5%
723	20	4359	0.56	0.54	0.09	0.57	0.45	0.34	0.22	0.45	-0.12	-21.1%
724	20	4371	0.50	0.48	0.07	0.51	0.46	0.34	0.23	0.46	-0.05	-9.8%
725	20	4404	1.41	1.37	0.17	1.49	1.37	1.07	0.71	1.37	-0.12	-8.1%
726	20	4433	0.48	0.47	0.07	0.48	0.45	0.33	0.22	0.45	-0.03	-6.2%
727	45	4528	30.02	30.13	2.61	31.05	31.05	27.71	19.02	31.05	0.00	0.0%
728	20	4371	0.20	0.20	0.03	0.21	0.16	0.12	0.08	0.16	-0.05	-23.8%
729	25	4462	0.14	0.14	0.02	0.15	0.15	0.11	0.07	0.15	0.00	0.0%
730	20	4371	0.17	0.16	0.03	0.18	0.13	0.10	0.06	0.13	-0.05	-27.8%
731	20	4371	0.40	0.38	0.08	0.42	0.30	0.23	0.14	0.30	-0.12	-28.6%
732	20	4371	1.39	1.37	0.22	1.41	1.25	0.91	0.63	1.25	-0.16	-11.3%
733	20	4371	0.27	0.25	0.04	0.27	0.25	0.19	0.12	0.25	-0.02	-7.4%
734	20	4371	0.17	0.17	0.03	0.18	0.14	0.10	0.07	0.14	-0.04	-22.2%
735	20	4371	0.25	0.24	0.03	0.25	0.22	0.16	0.10	0.22	-0.03	-12.0%
736	45	4528	1.30	1.28	0.23	1.36	1.36	1.05	0.70	1.36	0.00	0.0%
737	25	4462	0.55	0.55	0.05	0.57	0.57	0.44	0.30	0.57	0.00	0.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
738	25	4462	0.61	0.61	0.06	0.63	0.62	0.47	0.32	0.62	-0.01	-1.6%
739	25	4462	0.33	0.33	0.04	0.34	0.33	0.25	0.17	0.33	-0.01	-2.9%
740	45	4528	0.97	0.96	0.17	1.02	1.02	0.78	0.53	1.02	0.00	0.0%
741	20	4433	0.18	0.18	0.02	0.18	0.16	0.12	0.07	0.16	-0.02	-11.1%
742	25	4462	0.38	0.38	0.05	0.39	0.38	0.29	0.19	0.38	-0.01	-2.6%
743	25	4462	0.32	0.31	0.04	0.33	0.32	0.24	0.16	0.32	-0.01	-3.0%
744	20	4433	0.50	0.50	0.06	0.51	0.47	0.35	0.22	0.47	-0.04	-7.8%
745	20	4371	0.17	0.17	0.03	0.18	0.16	0.11	0.07	0.16	-0.02	-11.1%
746	20	4433	0.33	0.33	0.05	0.33	0.29	0.21	0.14	0.29	-0.04	-12.1%
747	20	4371	0.44	0.43	0.06	0.45	0.40	0.29	0.19	0.40	-0.05	-11.1%
748	25	4462	0.55	0.55	0.06	0.56	0.56	0.42	0.29	0.56	0.00	0.0%
749	20	4429	0.30	0.30	0.03	0.30	0.27	0.20	0.13	0.27	-0.03	-10.0%
750	25	4462	0.24	0.24	0.04	0.24	0.24	0.18	0.12	0.24	0.00	0.0%
751	45	4528	0.58	0.57	0.10	0.60	0.60	0.47	0.32	0.60	0.00	0.0%
752	45	4533	43.67	43.30	2.46	44.62	44.84	42.98	29.50	44.84	0.22	0.5%
753	20	4367	0.47	0.46	0.08	0.48	0.34	0.27	0.16	0.34	-0.14	-29.2%
754	10	4363	1.18	1.17	0.11	1.25	0.80	0.62	0.39	0.80	-0.45	-36.0%
755	10	4363	1.75	1.76	0.16	1.83	1.23	0.95	0.60	1.23	-0.60	-32.8%
756	20	4433	0.08	0.08	0.01	0.08	0.07	0.05	0.03	0.07	-0.01	-12.5%
757	20	4371	0.04	0.03	0.01	0.04	0.03	0.02	0.01	0.03	-0.01	-25.0%
758	10	4363	2.28	2.23	0.14	2.40	1.82	1.43	0.92	1.82	-0.58	-24.2%
759	25	4462	0.68	0.66	0.10	0.69	0.68	0.50	0.33	0.68	-0.01	-1.4%
760	20	4433	0.45	0.45	0.05	0.45	0.40	0.30	0.19	0.40	-0.05	-11.1%
761	20	4371	0.45	0.42	0.07	0.46	0.41	0.30	0.20	0.41	-0.05	-10.9%
762	20	4371	0.82	0.79	0.13	0.85	0.76	0.57	0.39	0.76	-0.09	-10.6%
763	45	4528	18.86	18.74	1.13	18.95	18.95	18.86	12.62	18.95	0.00	0.0%
764	20	4371	0.35	0.33	0.05	0.36	0.29	0.21	0.14	0.29	-0.07	-19.4%
765	15	4397	9.26	9.25	0.41	9.33	9.40	7.91	5.36	9.40	0.07	0.8%
766	30	4502	1.49	1.52	0.19	1.55	1.55	1.21	0.82	1.55	0.00	0.0%
767	20	4433	0.62	0.62	0.08	0.62	0.61	0.45	0.30	0.61	-0.01	-1.6%
768	20	4371	0.26	0.25	0.05	0.27	0.19	0.15	0.09	0.19	-0.08	-29.6%
769	25	4462	0.31	0.30	0.04	0.31	0.31	0.23	0.16	0.31	0.00	0.0%
770	20	4371	0.27	0.27	0.05	0.29	0.21	0.16	0.10	0.21	-0.08	-27.6%
771	20	4371	0.18	0.17	0.03	0.18	0.13	0.10	0.06	0.13	-0.05	-27.8%
772	20	4371	0.57	0.55	0.10	0.60	0.44	0.34	0.21	0.44	-0.16	-26.7%
773	20	4367	0.79	0.77	0.15	0.79	0.56	0.45	0.27	0.56	-0.23	-29.1%
774	10	4363	0.34	0.34	0.03	0.36	0.20	0.17	0.10	0.20	-0.16	-44.4%
775	20	4371	0.63	0.61	0.12	0.66	0.45	0.36	0.21	0.45	-0.21	-31.8%
776	10	4363	0.55	0.54	0.05	0.58	0.36	0.28	0.17	0.36	-0.22	-37.9%
777	20	4371	0.42	0.40	0.06	0.43	0.38	0.28	0.18	0.38	-0.05	-11.6%
778	20	4371	0.81	0.78	0.13	0.83	0.75	0.56	0.38	0.75	-0.08	-9.6%
779	20	4359	0.02	0.02	0.01	0.03	0.02	0.01	0.01	0.02	-0.01	-33.3%
780	25	4462	0.62	0.62	0.08	0.63	0.62	0.47	0.31	0.62	-0.01	-1.6%
781	20	4433	0.15	0.15	0.02	0.15	0.13	0.10	0.06	0.13	-0.02	-13.3%
782	20	4433	0.11	0.11	0.02	0.11	0.09	0.07	0.04	0.09	-0.02	-18.2%
783	20	4371	0.20	0.19	0.04	0.20	0.14	0.11	0.06	0.14	-0.06	-30.0%
784	15	4393	0.17	0.16	0.03	0.18	0.10	0.08	0.05	0.10	-0.08	-44.4%
785	20	4371	0.05	0.05	0.01	0.06	0.04	0.03	0.02	0.04	-0.02	-33.3%
786	20	4371	0.41	0.39	0.09	0.42	0.28	0.23	0.13	0.28	-0.14	-33.3%
787	20	4404	1.12	1.07	0.12	1.17	1.05	0.78	0.55	1.05	-0.12	-10.3%
788	20	4371	0.09	0.08	0.02	0.09	0.06	0.05	0.03	0.06	-0.03	-33.3%
789	20	4433	0.14	0.14	0.02	0.14	0.12	0.09	0.06	0.12	-0.02	-14.3%
790	20	4367	0.34	0.34	0.07	0.35	0.23	0.19	0.11	0.23	-0.12	-34.3%
791	20	4371	0.18	0.17	0.03	0.19	0.14	0.10	0.07	0.14	-0.05	-26.3%
792	20	4371	0.31	0.30	0.05	0.32	0.24	0.18	0.11	0.24	-0.08	-25.0%
793	20	4371	0.44	0.42	0.07	0.45	0.38	0.28	0.18	0.38	-0.07	-15.6%
794	20	4371	0.22	0.21	0.03	0.23	0.20	0.15	0.10	0.20	-0.03	-13.0%
795	20	4371	0.32	0.30	0.05	0.32	0.30	0.23	0.15	0.30	-0.02	-6.3%
796	25	4462	0.26	0.26	0.04	0.27	0.26	0.19	0.12	0.26	-0.01	-3.7%
797	25	4464	1.72	1.71	0.22	1.72	1.75	1.33	0.92	1.75	0.03	1.7%
798	25	4462	0.36	0.36	0.04	0.37	0.37	0.28	0.19	0.37	0.00	0.0%
799	20	4371	0.30	0.29	0.04	0.31	0.27	0.20	0.13	0.27	-0.04	-12.9%
800	20	4371	0.56	0.55	0.09	0.58	0.48	0.34	0.23	0.48	-0.10	-17.2%
801	45	4528	1.58	1.56	0.27	1.63	1.63	1.35	0.91	1.63	0.00	0.0%
802	20	4433	0.08	0.08	0.01	0.08	0.06	0.05	0.03	0.06	-0.02	-25.0%
803	20	4371	0.34	0.32	0.05	0.35	0.28	0.20	0.13	0.28	-0.07	-20.0%
804	25	4462	8.13	8.17	0.58	8.13	8.16	7.06	4.89	8.16	0.03	0.4%
805	10	4363	7.80	7.79	0.01	7.80	7.73	6.45	4.47	7.73	-0.07	-0.9%
806	10	4366	4.20	4.20	0.18	4.27	4.31	3.56	2.45	4.31	0.04	0.9%
807	20	4371	3.79	3.71	0.60	3.82	3.66	3.04	2.06	3.66	-0.16	-4.2%
808	20	4371	0.69	0.65	0.12	0.71	0.51	0.39	0.24	0.51	-0.20	-28.2%
809	10	4363	0.75	0.75	0.07	0.80	0.44	0.37	0.21	0.44	-0.36	-45.0%
810	45	4528	1.59	1.56	0.29	1.65	1.65	1.30	0.88	1.65	0.00	0.0%
811	30	4502	1.20	1.20	0.16	1.21	1.25	0.96	0.66	1.25	0.04	3.3%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
812	25	4460	0.31	0.31	0.06	0.31	0.29	0.22	0.14	0.29	-0.02	-6.5%
813	20	4404	1.13	1.09	0.13	1.18	1.07	0.80	0.56	1.07	-0.11	-9.3%
814	30	4495	18.33	18.66	1.09	18.35	17.92	18.30	11.41	18.30	-0.05	-0.3%
815	45	4531	19.03	19.05	1.09	19.24	18.71	18.77	12.05	18.77	-0.47	-2.4%
816	20	4371	0.13	0.13	0.02	0.13	0.10	0.07	0.05	0.10	-0.03	-23.1%
817	20	4371	0.34	0.33	0.05	0.35	0.28	0.21	0.13	0.28	-0.07	-20.0%
818	45	4533	153.71	153.34	5.61	154.10	156.53	162.83	150.08	162.83	8.73	5.7%
819	1440	4817	0.07	0.07	0.01	0.08	0.03	0.03	0.06	0.06	-0.02	-25.0%
820	25	4464	1.10	1.10	0.15	1.12	1.12	0.85	0.55	1.12	0.00	0.0%
821	45	4533	153.61	153.26	5.64	154.05	156.46	162.53	149.92	162.53	8.48	5.5%
822	45	4533	44.03	43.70	2.22	44.70	45.01	44.56	30.43	45.01	0.31	0.7%
823	45	4528	0.85	0.83	0.16	0.86	0.86	0.73	0.48	0.86	0.00	0.0%
824	25	4464	0.61	0.59	0.09	0.62	0.61	0.45	0.31	0.61	-0.01	-1.6%
825	20	4371	0.08	0.08	0.02	0.08	0.05	0.05	0.03	0.05	-0.03	-37.5%
826	10	4363	0.56	0.56	0.05	0.60	0.35	0.29	0.16	0.35	-0.25	-41.7%
827	20	4371	0.71	0.70	0.13	0.73	0.53	0.40	0.25	0.53	-0.20	-27.4%
828	20	4371	0.83	0.81	0.16	0.86	0.61	0.48	0.28	0.61	-0.25	-29.1%
829	10	4363	1.90	1.93	0.17	1.97	1.35	1.05	0.64	1.35	-0.62	-31.5%
830	20	4371	0.88	0.84	0.14	0.91	0.71	0.52	0.34	0.71	-0.20	-22.0%
831	20	4371	0.41	0.39	0.07	0.42	0.31	0.23	0.15	0.31	-0.11	-26.2%
832	20	4371	0.57	0.55	0.09	0.60	0.45	0.35	0.21	0.45	-0.15	-25.0%
833	20	4371	0.31	0.29	0.05	0.32	0.24	0.18	0.11	0.24	-0.08	-25.0%
834	20	4371	0.41	0.40	0.07	0.43	0.33	0.24	0.15	0.33	-0.10	-23.3%
835	20	4371	0.11	0.11	0.02	0.12	0.08	0.06	0.04	0.08	-0.04	-33.3%
836	25	4460	1.68	1.65	0.24	1.74	1.76	1.32	0.91	1.76	0.02	1.1%
837	20	4371	0.67	0.65	0.11	0.69	0.57	0.42	0.28	0.57	-0.12	-17.4%
838	20	4371	0.27	0.26	0.05	0.28	0.20	0.16	0.09	0.20	-0.08	-28.6%
839	30	4503	0.94	0.95	0.10	0.94	0.96	0.78	0.53	0.96	0.02	2.1%
840	20	4371	0.30	0.29	0.05	0.31	0.23	0.17	0.11	0.23	-0.08	-25.8%
841	20	4371	0.92	0.88	0.15	0.96	0.71	0.53	0.33	0.71	-0.25	-26.0%
842	20	4371	0.14	0.13	0.03	0.15	0.10	0.08	0.05	0.10	-0.05	-33.3%
843	20	4359	1.51	1.45	0.24	1.56	1.39	1.05	0.72	1.39	-0.17	-10.9%
844	20	4367	1.80	1.77	0.25	1.80	1.67	1.27	0.88	1.67	-0.13	-7.2%
845	45	4528	2.80	2.79	0.50	2.93	2.93	2.27	1.53	2.93	0.00	0.0%
846	20	4371	0.45	0.43	0.07	0.47	0.38	0.28	0.18	0.38	-0.09	-19.1%
847	20	4371	0.97	0.94	0.15	1.00	0.92	0.70	0.47	0.92	-0.08	-8.0%
848	20	4371	0.50	0.48	0.08	0.52	0.42	0.31	0.20	0.42	-0.10	-19.2%
849	20	4371	0.64	0.62	0.10	0.67	0.54	0.39	0.26	0.54	-0.13	-19.4%
850	20	4371	0.33	0.31	0.05	0.34	0.27	0.20	0.13	0.27	-0.07	-20.6%
851	20	4359	1.85	1.82	0.31	1.86	1.71	1.25	0.86	1.71	-0.15	-8.1%
852	20	4367	0.98	0.97	0.16	1.00	0.83	0.60	0.40	0.83	-0.17	-17.0%
853	20	4359	1.33	1.30	0.22	1.37	1.14	0.82	0.56	1.14	-0.23	-16.8%
854	20	4371	1.20	1.15	0.19	1.25	1.01	0.73	0.48	1.01	-0.24	-19.2%
855	20	4371	0.27	0.26	0.04	0.27	0.21	0.16	0.10	0.21	-0.06	-22.2%
856	20	4371	0.33	0.32	0.06	0.34	0.24	0.19	0.11	0.24	-0.10	-29.4%
857	20	4371	0.04	0.03	0.01	0.04	0.03	0.02	0.01	0.03	-0.01	-25.0%
858	20	4371	0.14	0.13	0.03	0.15	0.10	0.08	0.05	0.10	-0.05	-33.3%
859	20	4371	0.33	0.32	0.05	0.34	0.25	0.19	0.12	0.25	-0.09	-26.5%
860	20	4371	0.54	0.51	0.08	0.55	0.44	0.32	0.21	0.44	-0.11	-20.0%
861	20	4371	0.36	0.35	0.06	0.37	0.29	0.21	0.14	0.29	-0.08	-21.6%
862	20	4371	0.61	0.58	0.10	0.63	0.48	0.36	0.23	0.48	-0.15	-23.8%
863	20	4371	0.62	0.59	0.10	0.63	0.51	0.37	0.24	0.51	-0.12	-19.0%
864	20	4359	2.46	2.42	0.39	2.47	2.25	1.65	1.12	2.25	-0.22	-8.9%
865	20	4359	2.81	2.74	0.42	2.83	2.64	1.96	1.33	2.64	-0.19	-6.7%
866	20	4371	3.09	2.97	0.41	3.13	2.88	2.15	1.46	2.88	-0.25	-8.0%
867	20	4371	0.69	0.65	0.11	0.71	0.57	0.41	0.27	0.57	-0.14	-19.7%
868	20	4371	0.50	0.48	0.08	0.52	0.44	0.32	0.21	0.44	-0.08	-15.4%
869	20	4371	0.27	0.26	0.04	0.27	0.22	0.16	0.10	0.22	-0.05	-18.5%
870	20	4429	1.96	1.89	0.17	1.96	1.87	1.52	1.01	1.87	-0.09	-4.6%
871	20	4433	0.08	0.08	0.01	0.08	0.07	0.05	0.03	0.07	-0.01	-12.5%
872	25	4462	1.53	1.53	0.16	1.55	1.47	1.17	0.76	1.47	-0.08	-5.2%
873	20	4371	0.72	0.68	0.11	0.74	0.61	0.44	0.29	0.61	-0.13	-17.6%
874	45	4531	5.46	5.53	0.73	5.49	5.58	4.90	3.24	5.58	0.09	1.6%
875	45	4531	5.55	5.62	0.72	5.57	5.67	5.01	3.32	5.67	0.10	1.8%
876	45	4528	5.69	5.75	0.72	5.82	5.82	5.17	3.43	5.82	0.00	0.0%
877	20	4429	1.03	0.98	0.10	1.03	0.96	0.74	0.49	0.96	-0.07	-6.8%
878	20	4371	0.36	0.35	0.06	0.37	0.27	0.21	0.13	0.27	-0.10	-27.0%
879	30	4402	8.49	8.15	1.11	9.36	8.53	7.44	5.08	8.53	-0.83	-8.9%
880	20	4371	0.50	0.49	0.07	0.51	0.41	0.31	0.20	0.41	-0.10	-19.6%
881	20	4433	0.18	0.18	0.03	0.19	0.15	0.11	0.07	0.15	-0.04	-21.1%
882	30	4402	2.18	2.16	0.27	2.19	2.23	1.74	1.18	2.23	0.04	1.8%
883	25	4462	2.10	2.09	0.23	2.13	2.13	1.66	1.12	2.13	0.00	0.0%
884	45	4528	11.24	11.33	1.80	11.67	11.67	9.79	6.64	11.67	0.00	0.0%
885	45	4531	7.70	7.79	1.18	7.72	7.86	6.92	4.67	7.86	0.14	1.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4528 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
886	20	4371	0.59	0.57	0.10	0.61	0.48	0.35	0.23	0.48	-0.13	-21.3%
887	20	4371	0.44	0.42	0.07	0.45	0.35	0.26	0.17	0.35	-0.10	-22.2%
888	20	4371	0.57	0.55	0.09	0.59	0.48	0.35	0.23	0.48	-0.11	-18.6%
889	25	4462	0.25	0.25	0.03	0.26	0.26	0.19	0.13	0.26	0.00	0.0%
890	20	4371	0.51	0.49	0.08	0.53	0.43	0.31	0.20	0.43	-0.10	-18.9%
891	20	4371	0.77	0.75	0.13	0.79	0.63	0.46	0.30	0.63	-0.16	-20.3%
892	20	4367	2.64	2.51	0.33	2.72	2.47	1.87	1.25	2.47	-0.25	-9.2%
893	20	4359	0.69	0.66	0.10	0.71	0.62	0.45	0.30	0.62	-0.09	-12.7%
894	20	4371	0.81	0.78	0.11	0.81	0.68	0.50	0.33	0.68	-0.13	-16.0%
895	20	4371	0.56	0.54	0.09	0.57	0.45	0.33	0.21	0.45	-0.12	-21.1%
896	10	4363	3.38	3.36	0.08	3.42	3.39	2.60	1.77	3.39	-0.03	-0.9%
897	20	4371	0.79	0.75	0.12	0.81	0.68	0.49	0.33	0.68	-0.13	-16.0%
898	20	4371	0.60	0.58	0.10	0.62	0.52	0.38	0.25	0.52	-0.10	-16.1%
899	20	4371	0.13	0.12	0.02	0.13	0.09	0.07	0.04	0.09	-0.04	-30.8%
900	20	4371	0.56	0.53	0.09	0.57	0.44	0.32	0.21	0.44	-0.13	-22.8%
901	20	4371	0.56	0.53	0.09	0.57	0.46	0.33	0.22	0.46	-0.11	-19.3%
902	20	4371	0.64	0.63	0.08	0.65	0.57	0.42	0.28	0.57	-0.08	-12.3%
903	20	4371	0.47	0.44	0.07	0.48	0.40	0.29	0.19	0.40	-0.08	-16.7%
904	45	4531	7.58	7.66	1.17	7.59	7.74	6.80	4.58	7.74	0.15	2.0%
905	20	4371	0.38	0.36	0.06	0.39	0.29	0.21	0.14	0.29	-0.10	-25.6%
906	20	4359	0.78	0.75	0.12	0.80	0.68	0.51	0.33	0.68	-0.12	-15.0%
907	45	4528	3.34	3.34	0.55	3.50	3.50	2.86	1.96	3.50	0.00	0.0%
908	30	4402	1.99	1.98	0.23	2.01	2.06	1.70	1.16	2.06	0.05	2.5%
909	45	4528	2.56	2.53	0.43	2.67	2.67	2.16	1.48	2.67	0.00	0.0%
910	25	4464	0.58	0.57	0.08	0.58	0.58	0.43	0.30	0.58	0.00	0.0%
911	20	4371	0.30	0.29	0.05	0.31	0.23	0.17	0.11	0.23	-0.08	-25.8%
912	45	4531	4.80	4.90	0.66	4.82	4.97	4.25	2.82	4.97	0.15	3.1%
913	20	4371	0.34	0.33	0.05	0.35	0.29	0.21	0.13	0.29	-0.06	-17.1%
914	20	4371	0.21	0.20	0.04	0.22	0.17	0.12	0.08	0.17	-0.05	-22.7%
915	20	4371	0.52	0.50	0.08	0.54	0.42	0.31	0.20	0.42	-0.12	-22.2%
916	20	4371	1.13	1.09	0.17	1.17	0.99	0.72	0.47	0.99	-0.18	-15.4%
917	10	4368	3.53	3.59	0.32	3.57	2.56	1.99	1.23	2.56	-1.01	-28.3%
918	10	4363	2.25	2.24	0.21	2.39	1.46	1.12	0.70	1.46	-0.93	-38.9%
919	20	4367	0.47	0.47	0.09	0.49	0.33	0.26	0.16	0.33	-0.16	-32.7%
920	20	4371	0.89	0.87	0.17	0.93	0.65	0.51	0.30	0.65	-0.28	-30.1%
921	20	4404	1.40	1.33	0.17	1.45	1.27	1.00	0.65	1.27	-0.18	-12.4%
922	20	4359	1.86	1.84	0.28	1.89	1.80	1.36	0.92	1.80	-0.09	-4.8%
923	20	4371	0.82	0.78	0.13	0.85	0.73	0.52	0.35	0.73	-0.12	-14.1%
924	20	4371	0.76	0.73	0.12	0.79	0.63	0.45	0.30	0.63	-0.16	-20.3%
925	20	4367	3.10	3.04	0.45	3.12	3.00	2.27	1.57	3.00	-0.12	-3.8%
926	20	4371	0.56	0.54	0.10	0.58	0.43	0.33	0.20	0.43	-0.15	-25.9%
927	20	4371	0.84	0.82	0.14	0.87	0.67	0.49	0.31	0.67	-0.20	-23.0%
928	20	4371	0.31	0.30	0.07	0.32	0.21	0.18	0.10	0.21	-0.11	-34.4%
929	20	4371	0.57	0.55	0.09	0.59	0.47	0.35	0.22	0.47	-0.12	-20.3%
930	20	4371	0.24	0.23	0.04	0.24	0.19	0.13	0.09	0.19	-0.05	-20.8%
931	20	4359	1.65	1.59	0.26	1.70	1.44	1.05	0.71	1.44	-0.26	-15.3%
932	20	4371	0.79	0.77	0.13	0.81	0.65	0.46	0.31	0.65	-0.16	-19.8%
933	20	4371	0.75	0.71	0.12	0.77	0.64	0.46	0.31	0.64	-0.13	-16.9%
934	20	4371	0.69	0.67	0.11	0.71	0.59	0.42	0.28	0.59	-0.12	-16.9%
935	20	4359	1.69	1.63	0.29	1.74	1.45	1.05	0.70	1.45	-0.29	-16.7%

Average Difference (All Subcatchments)	-9.62%
Average Difference (Focus Locations)	**2.44%**

ARR2016 Results for 1% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
1	60	4360	224.35	222.29	14.16	228.23	216.49	230.87	199.33	230.87	2.64	1.2%
2	25	4462	1.85	1.83	0.20	1.89	2.15	1.40	0.94	2.15	0.26	13.8%
3	25	4462	1.80	1.79	0.25	1.84	2.01	1.28	0.86	2.01	0.17	9.2%
4	30	4502	3.52	3.54	0.42	3.57	4.27	2.83	1.88	4.27	0.70	19.6%
5	45	4528	3.89	3.95	0.49	4.11	4.36	3.23	2.16	4.36	0.25	6.1%
6	45	4528	10.25	10.12	1.11	10.50	11.75	9.47	6.37	11.75	1.25	11.9%
7	45	4528	12.50	12.71	1.49	13.13	14.30	11.27	7.73	14.30	1.17	8.9%
8	45	4528	12.87	12.80	1.01	13.23	13.80	12.22	8.38	13.80	0.57	4.3%
9	20	4371	2.00	1.98	0.30	2.00	1.89	1.23	0.81	1.89	-0.11	-5.5%
10	45	4528	16.40	16.31	2.24	17.05	19.11	13.83	9.27	19.11	2.06	12.1%
11	25	4464	1.79	1.79	0.24	1.84	2.01	1.28	0.86	2.01	0.17	9.2%
12	45	4528	6.54	6.48	0.92	6.92	7.61	5.28	3.59	7.61	0.69	10.0%
13	45	4528	1.23	1.22	0.19	1.25	1.49	1.06	0.70	1.49	0.24	19.2%
14	45	4528	1.64	1.62	0.25	1.67	2.00	1.41	0.92	2.00	0.33	19.8%
15	45	4528	3.75	3.75	0.50	3.89	4.41	3.31	2.22	4.41	0.52	13.4%
16	45	4528	25.86	25.82	2.26	26.66	28.18	24.70	16.96	28.18	1.52	5.7%
17	20	4371	1.64	1.57	0.26	1.68	1.60	0.98	0.66	1.60	-0.08	-4.8%
18	20	4404	5.71	5.46	0.58	5.91	6.65	4.08	2.84	6.65	0.74	12.5%
19	45	4528	2.11	2.17	0.20	2.17	2.32	2.22	1.48	2.32	0.15	6.9%
20	45	4528	9.00	8.96	1.22	9.42	10.51	7.40	5.02	10.51	1.09	11.6%
21	60	4405	11.07	10.98	1.27	11.12	11.59	11.11	7.52	11.59	0.47	4.2%
22	45	4528	28.45	28.41	2.03	29.26	30.63	28.16	19.29	30.63	1.37	4.7%
23	45	4531	2.66	2.66	0.40	2.75	3.25	2.57	1.69	3.25	0.50	18.2%
24	45	4528	11.03	11.14	1.42	11.60	12.69	9.48	6.52	12.69	1.09	9.4%
25	45	4531	13.36	13.68	1.47	13.46	14.76	11.87	8.20	14.76	1.30	9.7%
26	45	4528	19.19	19.40	2.19	20.19	21.65	16.77	11.35	21.65	1.46	7.2%
27	20	4371	2.44	2.42	0.34	2.47	2.39	1.57	1.04	2.39	-0.08	-3.2%
28	20	4371	2.12	2.05	0.32	2.18	2.19	1.41	0.96	2.19	0.01	0.5%
29	30	4402	8.30	7.82	1.41	9.17	9.58	6.55	4.42	9.58	0.41	4.5%
30	30	4503	2.33	2.32	0.24	2.34	2.84	1.91	1.26	2.84	0.50	21.4%
31	60	4559	38.92	37.68	4.61	41.88	40.75	39.55	27.05	40.75	-1.13	-2.7%
32	20	4371	2.43	2.33	0.41	2.47	2.31	1.38	0.93	2.31	-0.16	-6.5%
33	30	4402	10.65	10.06	1.56	11.57	12.35	8.68	5.81	12.35	0.78	6.7%
34	60	4559	19.74	19.68	0.90	20.30	19.00	25.33	18.16	25.33	5.03	24.8%
35	45	4528	2.21	2.15	0.34	2.23	2.72	1.89	1.23	2.72	0.49	22.0%
36	45	4528	7.88	7.77	1.14	8.11	9.46	6.70	4.44	9.46	1.35	16.6%
37	30	4402	3.50	3.50	0.37	3.58	4.16	2.91	1.93	4.16	0.58	16.2%
38	45	4528	4.16	4.15	0.57	4.39	4.83	3.47	2.31	4.83	0.44	10.0%
39	45	4528	10.46	10.43	1.44	10.83	12.34	9.00	5.98	12.34	1.51	13.9%
40	60	4559	40.03	38.84	4.30	42.78	41.18	41.66	27.97	41.66	-1.12	-2.6%
41	20	4371	1.78	1.74	0.27	1.83	1.80	1.14	0.78	1.80	-0.03	-1.6%
42	60	4405	45.54	45.09	3.26	45.77	43.44	50.53	33.49	50.53	4.76	10.4%
43	20	4371	2.77	2.64	0.44	2.85	2.78	1.71	1.17	2.78	-0.07	-2.5%
44	60	4559	19.75	19.69	0.89	20.31	19.00	25.34	18.19	25.34	5.03	24.8%
45	45	4528	1.69	1.64	0.26	1.72	2.07	1.42	0.93	2.07	0.35	20.3%
46	60	4405	45.90	45.41	3.08	46.11	43.50	51.11	33.82	51.11	5.00	10.8%
47	45	4533	1.38	1.34	0.21	1.56	1.70	1.19	0.78	1.70	0.14	9.0%
48	30	4502	2.42	2.39	0.24	2.51	2.91	2.00	1.32	2.91	0.40	15.9%
49	25	4462	1.64	1.61	0.19	1.67	1.89	1.22	0.83	1.89	0.22	13.2%
50	45	4528	5.04	5.03	0.67	5.29	5.90	4.33	2.90	5.90	0.61	11.5%
51	20	4367	2.58	2.52	0.46	2.59	2.39	1.45	0.95	2.39	-0.20	-7.7%
52	20	4371	4.74	4.57	0.55	4.75	5.45	3.64	2.44	5.45	0.70	14.7%
53	20	4371	4.62	4.41	0.71	4.76	5.11	3.26	2.21	5.11	0.35	7.4%
54	60	4405	46.95	46.50	2.77	47.20	44.16	52.86	34.75	52.86	5.66	12.0%
55	20	4371	2.72	2.62	0.47	2.76	2.56	1.54	1.02	2.56	-0.20	-7.2%
56	20	4359	7.88	7.57	1.00	8.26	8.29	5.46	3.73	8.29	0.03	0.4%
57	20	4359	10.96	10.54	1.53	11.42	11.25	7.29	5.05	11.25	-0.17	-1.5%
58	60	4559	19.69	19.60	0.76	20.17	18.65	22.29	18.57	22.29	2.12	10.5%
59	10	4363	4.01	4.02	0.36	4.23	3.83	2.26	1.53	3.83	-0.40	-9.5%
60	120	4499	22.39	22.18	1.74	23.21	23.00	23.48	21.45	23.48	0.27	1.2%
61	45	4528	5.47	5.42	0.80	5.75	6.51	4.55	3.03	6.51	0.76	13.2%
62	45	4528	8.50	8.73	1.05	8.96	9.71	7.43	5.09	9.71	0.75	8.4%
63	45	4533	2.41	2.35	0.37	2.72	2.97	2.08	1.36	2.97	0.25	9.2%
64	45	4528	15.32	15.50	1.55	16.01	16.69	13.93	9.56	16.69	0.68	4.2%
65	30	4503	1.29	1.28	0.13	1.29	1.57	1.06	0.70	1.57	0.28	21.7%
66	60	4405	48.16	47.82	2.28	48.25	44.77	55.39	35.73	55.39	7.14	14.8%
67	25	4462	1.52	1.50	0.18	1.55	1.74	1.12	0.76	1.74	0.19	12.3%
68	30	4503	2.02	2.01	0.20	2.03	2.45	1.67	1.10	2.45	0.42	20.7%
69	45	4533	19.10	19.16	1.21	19.39	19.86	18.89	12.79	19.86	0.47	2.4%
70	60	4405	48.37	48.10	2.20	48.43	44.86	55.87	35.97	55.87	7.44	15.4%
71	20	4371	2.12	2.04	0.32	2.18	2.15	1.35	0.92	2.15	-0.03	-1.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
72	60	4559	61.37	60.89	2.95	62.77	60.64	70.80	47.69	70.80	8.03	12.8%
73	25	4464	3.00	2.97	0.38	3.00	3.45	2.29	1.56	3.45	0.45	15.0%
74	45	4528	17.26	17.52	1.49	18.08	18.43	16.08	11.02	18.43	0.35	1.9%
75	20	4371	2.04	1.96	0.35	2.07	1.90	1.15	0.75	1.90	-0.17	-8.2%
76	10	4363	7.03	7.03	0.34	7.24	7.46	4.55	3.14	7.46	0.22	3.0%
77	20	4367	9.39	8.94	1.22	9.43	9.94	6.21	4.24	9.94	0.51	5.4%
78	90	4562	25.28	24.71	2.68	25.86	27.98	26.17	24.45	27.98	2.12	8.2%
79	20	4371	2.47	2.38	0.43	2.77	2.60	1.94	1.21	2.60	-0.17	-6.1%
80	60	4559	61.81	61.27	2.92	63.25	60.94	71.37	48.54	71.37	8.12	12.8%
81	20	4371	2.25	2.16	0.37	2.30	2.18	1.32	0.89	2.18	-0.12	-5.2%
82	45	4528	31.72	31.43	4.22	32.29	37.76	31.48	28.20	37.76	5.47	16.9%
83	60	4559	1.22	1.22	0.02	1.23	1.22	1.27	1.13	1.27	0.04	3.3%
84	30	4402	4.21	4.10	0.62	4.56	4.96	3.35	2.28	4.96	0.40	8.8%
85	25	4464	1.96	1.94	0.18	1.97	2.23	1.55	1.04	2.23	0.26	13.2%
86	45	4528	3.71	3.62	0.48	3.72	4.43	3.51	2.31	4.43	0.71	19.1%
87	20	4371	1.93	1.85	0.30	1.97	1.82	1.12	0.74	1.82	-0.15	-7.6%
88	60	4559	62.57	61.92	2.96	64.07	61.47	72.52	49.60	72.52	8.45	13.2%
89	25	4464	1.61	1.59	0.22	1.63	1.79	1.15	0.78	1.79	0.16	9.8%
90	60	4559	60.87	60.58	2.65	62.24	58.35	71.13	49.14	71.13	8.89	14.3%
91	20	4371	1.98	1.89	0.28	2.01	1.96	1.24	0.81	1.96	-0.05	-2.5%
92	45	4528	6.29	6.37	0.62	6.54	6.85	5.52	4.09	6.85	0.31	4.7%
93	60	4405	4.71	4.74	0.53	4.73	4.95	5.05	3.25	5.05	0.32	6.8%
94	60	4559	60.94	60.64	2.63	62.30	58.39	71.22	49.35	71.22	8.92	14.3%
95	20	4371	2.45	2.36	0.43	2.48	2.25	1.38	0.89	2.25	-0.23	-9.3%
96	20	4371	2.74	2.67	0.49	2.78	2.53	1.53	1.00	2.53	-0.25	-9.0%
97	20	4371	2.68	2.55	0.43	2.74	2.59	1.58	1.06	2.59	-0.15	-5.5%
98	60	4559	23.50	23.43	0.22	23.63	23.43	24.06	23.22	24.06	0.43	1.8%
99	20	4359	2.45	2.36	0.29	2.56	2.58	1.66	1.10	2.58	0.02	0.8%
100	60	4559	62.79	62.36	2.59	64.12	59.81	73.96	52.06	73.96	9.84	15.3%
101	20	4359	2.28	2.21	0.31	2.43	2.19	1.37	0.91	2.19	-0.24	-9.9%
102	45	4528	9.30	9.37	0.58	9.58	9.91	8.99	6.75	9.91	0.33	3.4%
103	10	4363	5.53	5.55	0.50	5.83	5.22	3.08	2.06	5.22	-0.61	-10.5%
104	10	4363	6.59	6.64	0.59	6.88	6.38	3.93	2.57	6.38	-0.50	-7.3%
105	20	4371	2.01	1.91	0.34	2.04	1.87	1.13	0.74	1.87	-0.17	-8.3%
106	20	4359	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
107	20	4359	2.66	2.57	0.21	2.93	2.77	1.86	1.23	2.77	-0.16	-5.5%
108	60	4559	10.11	10.00	1.10	10.79	10.41	10.33	7.64	10.41	-0.38	-3.5%
109	20	4371	2.11	2.01	0.33	2.16	2.09	1.28	0.87	2.09	-0.07	-3.2%
110	10	4356	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	20	4359	2.54	2.46	0.36	2.60	2.70	1.67	1.12	2.70	0.10	3.8%
112	60	4559	62.87	62.42	2.57	64.18	59.85	74.09	52.56	74.09	9.91	15.4%
113	45	4528	2.18	2.15	0.34	2.27	2.65	1.77	1.19	2.65	0.38	16.7%
114	25	4464	3.05	3.10	0.40	3.07	3.40	2.26	1.50	3.40	0.33	10.7%
115	20	4371	2.17	2.11	0.29	2.20	2.21	1.42	0.97	2.21	0.01	0.5%
116	20	4359	16.25	15.93	2.59	16.48	18.00	11.02	7.44	18.00	1.52	9.2%
117	45	4528	29.74	29.74	1.08	30.19	31.61	28.45	26.04	31.61	1.42	4.7%
118	60	4559	62.91	62.46	2.56	64.22	59.87	74.16	52.78	74.16	9.94	15.5%
119	20	4429	3.26	3.11	0.32	3.27	3.45	2.23	1.48	3.45	0.18	5.5%
120	45	4528	7.16	7.04	0.77	7.25	7.95	6.11	4.04	7.95	0.70	9.7%
121	30	4402	12.08	11.51	1.57	13.33	13.43	10.27	6.99	13.43	0.10	0.8%
122	60	4558	12.39	12.60	1.02	12.59	11.82	13.52	9.84	13.52	0.93	7.4%
123	20	4404	18.02	17.54	2.42	18.57	19.94	13.69	9.18	19.94	1.37	7.4%
124	10	4356	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-100.0%
125	20	4371	3.27	3.13	0.51	3.29	3.23	2.01	1.31	3.23	-0.06	-1.8%
126	60	4559	86.33	85.74	2.66	87.69	82.61	98.47	77.54	98.47	10.78	12.3%
127	20	4371	4.32	4.21	0.50	4.34	4.92	3.17	2.12	4.92	0.58	13.4%
128	45	4528	9.58	9.52	1.26	9.90	11.13	8.08	5.44	11.13	1.23	12.4%
129	25	4464	3.62	3.70	0.45	3.66	4.16	2.68	1.80	4.16	0.50	13.7%
130	120	4499	89.83	90.06	9.33	91.63	82.97	99.62	85.86	99.62	7.99	8.7%
131	20	4359	6.64	6.39	0.74	6.94	7.34	4.76	3.26	7.34	0.40	5.8%
132	60	4405	20.78	21.08	1.88	20.90	21.61	22.57	16.46	22.57	1.67	8.0%
133	20	4359	5.48	5.26	0.76	5.75	5.45	3.42	2.28	5.45	-0.30	-5.2%
134	60	4559	23.39	23.24	2.15	23.93	24.25	26.49	19.41	26.49	2.56	10.7%
135	20	4371	3.45	3.34	0.50	3.51	3.40	2.10	1.40	3.40	-0.11	-3.1%
136	25	4461	3.15	3.10	0.34	3.25	3.50	2.43	1.63	3.50	0.25	7.7%
137	20	4429	2.28	2.20	0.22	2.30	2.37	1.53	1.01	2.37	0.07	3.0%
138	60	4559	25.75	24.72	2.88	27.48	25.64	30.23	21.65	30.23	2.75	10.0%
139	45	4528	20.21	20.06	2.47	20.61	23.12	17.43	12.01	23.12	2.51	12.2%
140	20	4359	1.79	1.73	0.23	1.89	1.72	1.09	0.73	1.72	-0.17	-9.0%
141	60	4559	26.72	26.11	2.95	28.75	26.27	31.95	22.64	31.95	3.20	11.1%
142	20	4371	1.20	1.13	0.23	1.21	1.07	0.67	0.43	1.07	-0.14	-11.6%
143	60	4405	28.09	27.92	2.84	28.20	29.25	33.73	23.84	33.73	5.53	19.6%
144	60	4405	28.83	28.97	2.69	29.33	30.24	34.36	24.71	34.36	5.03	17.1%
145	120	4499	91.18	90.97	8.79	91.73	83.02	99.75	87.60	99.75	8.02	8.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
146	20	4404	5.10	4.85	0.54	5.29	5.65	3.64	2.48	5.65	0.36	6.8%
147	20	4404	5.55	5.40	0.61	5.69	5.27	3.79	2.48	5.27	-0.42	-7.4%
148	20	4359	1.85	1.78	0.25	1.89	2.02	1.24	0.83	2.02	0.13	6.9%
149	20	4371	4.11	3.94	0.53	4.12	4.38	2.74	1.88	4.38	0.26	6.3%
150	20	4359	6.58	6.29	0.83	6.90	7.33	4.55	3.09	7.33	0.43	6.2%
151	20	4404	11.05	10.72	1.06	11.26	11.61	8.16	5.57	11.61	0.35	3.1%
152	20	4404	1.76	1.70	0.20	1.87	1.71	1.12	0.73	1.71	-0.16	-8.6%
153	360	4406	4.68	4.55	0.46	4.81	2.28	2.39	4.20	4.20	-0.61	-12.7%
154	10	4363	6.91	6.81	0.23	7.10	6.55	4.10	2.58	6.55	-0.55	-7.7%
155	120	4499	113.87	115.44	10.89	118.16	99.22	127.47	112.82	127.47	9.31	7.9%
156	10	4363	2.43	2.44	0.15	2.52	2.29	1.44	0.87	2.29	-0.23	-9.1%
157	10	4363	4.48	4.46	0.10	4.56	4.21	2.66	1.71	4.21	-0.35	-7.7%
158	30	4402	2.51	2.34	0.44	2.67	2.94	1.96	1.31	2.94	0.27	10.1%
159	120	4499	115.03	116.52	10.36	119.07	101.22	127.69	113.72	127.69	8.62	7.2%
160	20	4404	4.21	3.99	0.52	4.45	4.23	2.71	1.77	4.23	-0.22	-4.9%
161	25	4462	4.91	4.91	0.52	4.95	5.61	3.66	2.43	5.61	0.66	13.3%
162	20	4367	17.86	17.09	1.91	18.38	19.22	13.41	9.25	19.22	0.84	4.6%
163	120	4499	115.64	117.04	10.14	119.61	102.34	127.92	114.17	127.92	8.31	6.9%
164	20	4359	2.44	2.33	0.33	2.52	2.54	1.58	1.04	2.54	0.02	0.8%
165	25	4461	16.49	16.73	1.21	16.52	17.56	13.76	9.89	17.56	1.04	6.3%
166	25	4461	10.85	11.05	1.07	10.94	11.78	8.38	5.56	11.78	0.84	7.7%
167	25	4461	16.17	16.51	1.30	16.31	17.31	13.24	9.59	17.31	1.00	6.1%
168	20	4371	1.98	1.92	0.27	2.02	1.96	1.26	0.85	1.96	-0.06	-3.0%
169	20	4359	2.35	2.29	0.33	2.53	2.32	1.48	0.96	2.32	-0.21	-8.3%
170	20	4404	4.14	4.03	0.49	4.41	4.25	2.75	1.81	4.25	-0.16	-3.6%
171	25	4461	18.58	18.77	1.11	18.62	19.70	15.72	11.14	19.70	1.08	5.8%
172	45	4528	2.77	2.76	0.34	2.89	3.10	2.31	1.51	3.10	0.21	7.3%
173	25	4464	3.82	3.95	0.49	3.89	4.38	2.79	1.83	4.38	0.49	12.6%
174	120	4617	122.23	124.16	9.73	127.28	117.92	132.10	120.91	132.10	4.82	3.8%
175	45	4528	7.14	7.17	0.81	7.39	8.06	6.07	4.03	8.06	0.67	9.1%
176	30	4498	2.01	2.02	0.19	2.01	2.38	1.67	1.09	2.38	0.37	18.4%
177	45	4528	2.77	2.71	0.38	2.88	3.24	2.20	1.47	3.24	0.36	12.5%
178	45	4528	4.82	4.72	0.66	4.99	5.60	3.93	2.58	5.60	0.61	12.2%
179	20	4359	6.52	6.24	0.80	6.86	6.71	4.58	2.98	6.71	-0.15	-2.2%
180	20	4371	2.04	1.98	0.25	2.05	2.03	1.29	0.84	2.03	-0.02	-1.0%
181	120	4617	124.49	126.09	9.51	128.85	122.73	133.37	123.40	133.37	4.52	3.5%
182	20	4371	2.35	2.25	0.36	2.37	2.31	1.44	0.96	2.31	-0.06	-2.5%
183	30	4402	5.51	5.29	0.86	6.02	6.49	4.34	2.99	6.49	0.47	7.8%
184	20	4371	1.40	1.33	0.24	1.41	1.31	0.80	0.52	1.31	-0.10	-7.1%
185	25	4394	9.61	9.77	1.01	9.68	11.00	7.74	5.24	11.00	1.32	13.6%
186	25	4464	2.33	2.39	0.24	2.34	2.63	1.78	1.15	2.63	0.29	12.4%
187	45	4528	2.52	2.52	0.33	2.62	2.87	2.05	1.35	2.87	0.25	9.5%
188	30	4502	2.14	2.10	0.31	2.36	2.41	1.71	1.13	2.41	0.05	2.1%
189	45	4528	5.17	5.08	0.62	5.31	5.84	4.25	2.77	5.84	0.53	10.0%
190	20	4429	1.97	1.87	0.23	1.97	2.15	1.36	0.87	2.15	0.18	9.1%
191	120	4617	124.64	126.20	9.45	128.95	122.87	133.41	123.66	133.41	4.46	3.5%
192	45	4528	12.76	12.68	1.33	13.13	14.14	10.88	7.37	14.14	1.01	7.7%
193	45	4533	23.59	23.19	1.65	23.79	24.95	20.81	14.37	24.95	1.16	4.9%
194	25	4394	2.16	2.20	0.28	2.19	2.32	1.54	0.98	2.32	0.13	5.9%
195	15	4392	9.63	9.43	0.40	9.89	9.47	6.51	4.11	9.47	-0.42	-4.2%
196	25	4461	2.23	2.22	0.26	2.33	2.58	1.66	1.10	2.58	0.25	10.7%
197	45	4533	36.98	36.56	2.77	37.88	39.26	32.52	21.94	39.26	1.38	3.6%
198	25	4462	12.20	12.60	1.02	12.45	11.61	8.76	5.63	11.61	-0.84	-6.7%
199	120	4617	124.80	126.33	9.39	129.06	123.02	133.45	123.97	133.45	4.39	3.4%
200	25	4464	1.71	1.76	0.22	1.75	1.91	1.23	0.81	1.91	0.16	9.1%
201	45	4533	38.39	37.94	2.72	39.28	40.85	33.92	22.99	40.85	1.57	4.0%
202	45	4528	12.18	12.10	1.36	12.54	13.49	10.25	6.60	13.49	0.95	7.6%
203	45	4533	39.12	38.64	2.59	39.82	41.46	34.79	23.69	41.46	1.64	4.1%
204	45	4528	11.45	11.27	0.70	11.87	12.08	10.93	7.06	12.08	0.21	1.8%
205	120	4617	126.42	127.73	8.64	129.82	124.06	133.67	126.30	133.67	3.85	3.0%
206	25	4464	1.88	1.89	0.21	1.94	2.12	1.38	0.92	2.12	0.18	9.3%
207	45	4533	51.19	50.66	3.51	52.25	54.51	45.08	30.86	54.51	2.26	4.3%
208	45	4533	2.57	2.51	0.29	2.63	2.80	2.13	1.37	2.80	0.17	6.5%
209	120	4617	131.71	132.84	8.46	134.90	133.93	137.17	132.61	137.17	2.27	1.7%
210	20	4404	1.89	1.84	0.23	2.02	1.89	1.22	0.80	1.89	-0.13	-6.4%
211	120	4617	132.11	133.19	8.35	135.12	134.25	137.27	133.36	137.27	2.15	1.6%
212	10	4363	2.92	2.89	0.17	3.06	3.05	1.92	1.19	3.05	-0.01	-0.3%
213	45	4527	53.34	52.79	2.65	54.27	55.23	49.51	33.72	55.23	0.96	1.8%
214	20	4359	3.73	3.55	0.45	3.97	3.95	2.79	1.81	3.95	-0.02	-0.5%
215	120	4617	132.19	133.25	8.32	135.16	134.29	137.28	133.54	137.28	2.12	1.6%
216	45	4527	53.80	53.35	2.44	54.38	55.32	51.62	34.74	55.32	0.94	1.7%
217	720	4443	133.05	130.51	35.79	139.15	134.86	137.52	134.83	137.52	-1.63	-1.2%
218	1440	4817	0.24	0.24	0.02	0.25	0.06	0.10	0.18	0.18	-0.07	-28.0%
219	20	4359	3.66	3.49	0.45	3.91	3.81	2.57	1.64	3.81	-0.10	-2.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
220	20	4371	1.98	1.91	0.33	2.02	1.91	1.14	0.77	1.91	-0.11	-5.4%
221	20	4367	3.25	3.20	0.56	3.29	3.23	1.96	1.33	3.23	-0.06	-1.8%
222	20	4371	8.38	8.17	1.16	8.39	10.03	6.21	4.21	10.03	1.64	19.5%
223	20	4433	8.01	8.16	0.57	8.11	8.68	6.58	4.39	8.68	0.57	7.0%
224	20	4404	3.09	2.99	0.34	3.24	3.16	2.06	1.40	3.16	-0.08	-2.5%
225	20	4359	3.67	3.59	0.57	3.70	3.88	2.37	1.62	3.88	0.18	4.9%
226	20	4359	2.54	2.45	0.32	2.68	2.59	1.63	1.10	2.59	-0.09	-3.4%
227	20	4404	6.68	6.40	0.80	6.92	7.08	4.42	3.05	7.08	0.16	2.3%
228	20	4359	1.70	1.64	0.23	1.80	1.70	1.09	0.74	1.70	-0.10	-5.6%
229	20	4404	8.81	8.47	1.01	9.28	9.60	6.04	4.13	9.60	0.32	3.4%
230	20	4371	3.96	3.85	0.53	3.97	4.57	2.81	1.89	4.57	0.60	15.1%
231	45	4533	18.62	18.59	1.89	19.03	20.68	16.16	10.80	20.68	1.65	8.7%
232	25	4460	2.03	2.05	0.22	2.03	2.23	1.52	1.01	2.23	0.20	9.9%
233	30	4504	32.48	31.67	2.05	33.41	33.68	30.78	20.67	33.68	0.27	0.8%
234	360	4406	0.58	0.55	0.07	0.65	0.66	0.63	0.48	0.66	0.01	1.5%
235	45	4533	186.49	186.50	6.15	187.71	188.95	185.11	169.93	188.95	1.24	0.7%
236	20	4371	1.28	1.22	0.21	1.30	1.23	0.74	0.50	1.23	-0.07	-5.4%
237	45	4528	33.83	34.05	1.15	33.98	34.35	33.15	21.84	34.35	0.37	1.1%
238	45	4528	4.02	3.96	0.57	4.19	4.72	3.22	2.19	4.72	0.53	12.6%
239	360	4406	0.58	0.55	0.07	0.65	0.66	0.63	0.48	0.66	0.01	1.5%
240	10	4363	2.65	2.65	0.24	2.81	2.17	1.34	0.82	2.17	-0.64	-22.8%
241	45	4533	22.50	22.14	1.68	22.54	24.25	20.11	13.48	24.25	1.71	7.6%
242	30	4504	11.61	11.16	1.57	12.81	12.75	9.47	6.33	12.75	-0.06	-0.5%
243	45	4528	23.51	23.36	1.21	23.70	24.51	22.25	14.75	24.51	0.81	3.4%
244	20	4359	2.65	2.60	0.33	2.81	2.96	1.93	1.30	2.96	0.15	5.3%
245	45	4533	187.24	187.33	6.03	188.38	189.45	187.49	171.11	189.45	1.07	0.6%
246	10	4363	2.31	2.30	0.21	2.44	2.02	1.22	0.78	2.02	-0.42	-17.2%
247	10	4363	4.29	4.28	0.40	4.55	3.44	2.09	1.28	3.44	-1.11	-24.4%
248	20	4371	2.32	2.27	0.42	2.34	2.16	1.31	0.85	2.16	-0.18	-7.7%
249	10	4363	8.36	8.38	0.77	8.81	7.01	4.19	2.65	7.01	-1.80	-20.4%
250	45	4528	35.03	35.21	1.27	35.10	34.81	35.84	23.16	35.84	0.74	2.1%
251	45	4533	187.34	187.44	6.00	188.46	189.50	187.93	171.40	189.50	1.04	0.6%
252	10	4363	4.92	4.91	0.46	5.21	4.01	2.42	1.51	4.01	-1.20	-23.0%
253	15	4407	14.91	15.19	1.58	15.00	16.10	12.46	8.23	16.10	1.10	7.3%
254	30	4402	2.96	2.70	0.58	3.19	3.46	2.20	1.48	3.46	0.27	8.5%
255	60	4360	213.02	210.88	15.23	217.18	211.80	219.16	189.90	219.16	1.98	0.9%
256	10	4366	11.09	11.08	0.94	11.54	10.03	6.08	3.85	10.03	-1.51	-13.1%
257	25	4467	15.70	15.50	0.91	15.83	16.20	15.63	9.64	16.20	0.37	2.3%
258	45	4531	22.11	22.02	1.34	22.27	23.08	21.94	13.86	23.08	0.81	3.6%
259	60	4360	213.29	211.27	15.13	217.80	211.86	219.50	190.44	219.50	1.70	0.8%
260	20	4367	4.69	4.52	0.50	4.79	4.90	3.23	2.14	4.90	0.11	2.3%
261	20	4359	5.39	5.23	0.67	5.46	6.25	4.34	2.96	6.25	0.79	14.5%
262	25	4466	10.06	10.10	0.74	10.27	11.36	8.26	5.67	11.36	1.09	10.6%
263	60	4360	223.49	220.99	14.48	226.32	216.31	229.77	198.09	229.77	3.45	1.5%
264	20	4371	1.88	1.86	0.23	1.91	1.99	1.28	0.87	1.99	0.08	4.2%
265	45	4528	3.43	3.39	0.48	3.62	4.11	2.83	1.91	4.11	0.49	13.5%
266	25	4462	2.19	2.17	0.24	2.24	2.54	1.64	1.11	2.54	0.30	13.4%
267	45	4528	5.39	5.33	0.85	5.61	6.58	4.52	3.02	6.58	0.97	17.3%
268	25	4464	1.77	1.78	0.18	1.81	2.06	1.32	0.89	2.06	0.25	13.8%
269	30	4502	3.36	3.37	0.39	3.39	4.08	2.72	1.80	4.08	0.69	20.4%
270	25	4462	1.99	1.99	0.21	2.02	2.34	1.54	1.04	2.34	0.32	15.8%
271	45	4528	7.82	7.72	1.20	8.03	9.52	6.62	4.43	9.52	1.49	18.6%
272	45	4528	3.99	4.01	0.55	4.11	4.74	3.65	2.46	4.74	0.63	15.3%
273	45	4528	5.00	5.00	0.68	5.29	5.80	4.19	2.81	5.80	0.51	9.6%
274	25	4464	2.04	2.04	0.22	2.08	2.36	1.51	1.02	2.36	0.28	13.5%
275	45	4528	7.72	7.51	1.17	7.99	9.30	6.28	4.18	9.30	1.31	16.4%
276	20	4359	0.81	0.80	0.15	0.91	0.73	0.47	0.30	0.73	-0.18	-19.8%
277	45	4528	9.68	9.44	1.44	10.04	11.65	7.86	5.25	11.65	1.61	16.0%
278	45	4528	5.79	5.75	0.79	5.98	6.84	4.95	3.34	6.84	0.86	14.4%
279	45	4528	10.45	10.34	1.45	10.92	12.24	8.63	5.76	12.24	1.32	12.1%
280	45	4528	2.71	2.73	0.38	2.77	3.23	2.50	1.68	3.23	0.46	16.6%
281	45	4528	9.59	9.69	1.17	10.10	10.96	8.51	5.84	10.96	0.86	8.5%
282	25	4462	3.20	3.18	0.27	3.26	3.88	2.58	1.71	3.88	0.62	19.0%
283	45	4533	8.00	8.11	0.69	8.08	8.55	7.30	4.98	8.55	0.47	5.8%
284	45	4528	4.42	4.32	0.67	4.52	5.41	3.74	2.49	5.41	0.89	19.7%
285	25	4464	1.76	1.77	0.18	1.81	2.06	1.32	0.89	2.06	0.25	13.8%
286	45	4528	9.59	9.54	1.33	9.82	11.39	8.19	5.54	11.39	1.57	16.0%
287	45	4528	9.75	9.81	0.62	9.94	10.14	9.41	6.49	10.14	0.20	2.0%
288	45	4528	25.80	25.78	2.29	26.62	28.15	24.47	16.84	28.15	1.53	5.7%
289	45	4531	3.40	3.43	0.49	3.41	4.04	3.04	2.03	4.04	0.63	18.5%
290	45	4528	2.23	2.26	0.32	2.25	2.65	2.02	1.35	2.65	0.40	17.8%
291	45	4528	3.28	3.23	0.50	3.34	4.00	2.81	1.85	4.00	0.66	19.8%
292	45	4528	28.44	28.41	2.03	29.26	30.63	28.14	19.28	30.63	1.37	4.7%
293	60	4405	10.81	10.69	1.28	10.81	11.24	10.74	7.32	11.24	0.43	4.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
294	45	4528	18.56	18.77	2.23	19.54	21.06	16.11	10.85	21.06	1.52	7.8%
295	60	4559	19.74	19.69	0.89	20.30	19.00	25.34	18.18	25.34	5.04	24.8%
296	45	4528	25.56	25.53	0.53	25.70	26.67	25.63	24.37	26.67	0.97	3.8%
297	45	4528	27.12	27.06	0.70	27.39	28.44	26.72	25.07	28.44	1.05	3.8%
298	20	4359	15.09	14.81	2.52	15.30	16.16	9.61	6.51	16.16	0.86	5.6%
299	60	4559	1.22	1.22	0.02	1.23	1.22	1.27	1.13	1.27	0.04	3.3%
300	25	4462	3.43	3.43	0.41	3.43	3.95	2.67	1.82	3.95	0.52	15.2%
301	30	4402	6.33	6.13	0.99	6.91	7.49	4.96	3.35	7.49	0.58	8.4%
302	45	4528	15.51	15.40	2.01	16.04	17.90	13.01	8.78	17.90	1.86	11.6%
303	30	4402	5.36	5.21	0.74	6.03	6.11	4.28	2.84	6.11	0.08	1.3%
304	25	4460	3.86	3.95	0.52	3.94	4.46	2.83	1.86	4.46	0.52	13.2%
305	30	4402	11.24	10.70	1.49	12.35	12.57	9.25	6.29	12.57	0.22	1.8%
306	45	4533	8.44	8.34	0.89	8.74	9.22	7.16	4.65	9.22	0.48	5.5%
307	1440	4817	0.09	0.08	0.01	0.09	0.02	0.03	0.06	0.06	-0.03	-33.3%
308	45	4528	23.23	23.02	1.31	23.56	24.44	21.41	14.44	24.44	0.88	3.7%
309	30	4504	11.38	10.97	1.63	12.69	12.62	9.14	6.11	12.62	-0.07	-0.6%
310	60	4360	213.25	211.22	15.14	217.72	211.85	219.45	190.37	219.45	1.73	0.8%
311	30	4503	21.38	21.64	1.34	21.50	22.16	21.28	13.00	22.16	0.66	3.1%
312	20	4404	4.49	4.34	0.47	4.60	4.75	3.02	2.01	4.75	0.15	3.3%
313	20	4371	3.93	3.82	0.53	3.96	4.46	2.75	1.85	4.46	0.50	12.6%
314	45	4528	18.25	18.29	2.01	18.88	20.45	15.60	10.44	20.45	1.57	8.3%
315	20	4371	7.16	6.96	1.18	7.35	7.21	4.46	3.05	7.21	-0.14	-1.9%
316	20	4367	5.08	4.90	0.59	5.09	5.87	3.58	2.46	5.87	0.78	15.3%
317	30	4498	23.30	22.96	1.96	23.54	24.68	20.50	14.14	24.68	1.14	4.8%
318	45	4528	12.68	12.61	1.33	13.05	14.07	10.80	7.31	14.07	1.02	7.8%
319	360	4406	4.73	4.71	0.42	4.76	2.38	2.59	4.18	4.18	-0.58	-12.2%
320	360	4406	4.27	4.28	0.29	4.31	2.32	3.27	3.89	3.89	-0.42	-9.7%
321	360	4406	4.24	4.24	0.29	4.27	2.42	3.69	3.85	3.85	-0.42	-9.8%
322	360	4694	4.21	4.19	0.25	4.22	3.31	3.69	4.03	4.03	-0.19	-4.5%
323	360	4694	3.65	3.65	0.15	3.66	3.41	3.66	3.50	3.66	0.00	0.0%
324	360	4694	3.63	3.63	0.15	3.64	3.49	3.66	3.49	3.66	0.02	0.5%
325	45	4528	20.08	20.01	2.41	20.58	22.81	17.39	11.87	22.81	2.23	10.8%
326	45	4528	16.54	16.48	2.02	17.06	18.71	14.08	9.60	18.71	1.65	9.7%
327	20	4371	3.35	3.19	0.56	3.42	3.20	1.94	1.31	3.20	-0.22	-6.4%
328	20	4371	2.89	2.80	0.33	2.91	3.20	2.01	1.36	3.20	0.29	10.0%
329	25	4464	0.86	0.87	0.13	0.88	0.95	0.61	0.40	0.95	0.07	8.0%
330	45	4533	10.87	10.75	0.85	10.96	11.60	9.99	6.48	11.60	0.64	5.8%
331	10	4363	9.08	8.96	0.23	9.24	8.90	5.66	3.58	8.90	-0.34	-3.7%
332	20	4359	5.70	5.50	0.69	6.05	5.83	3.71	2.44	5.83	-0.22	-3.6%
333	20	4371	1.94	1.87	0.32	1.98	1.85	1.11	0.74	1.85	-0.13	-6.6%
334	45	4528	14.38	14.17	1.95	14.84	16.77	11.85	7.97	16.77	1.93	13.0%
335	20	4371	1.96	1.90	0.29	2.00	1.93	1.21	0.81	1.93	-0.07	-3.5%
336	20	4359	3.84	3.70	0.47	4.00	3.92	2.47	1.67	3.92	-0.08	-2.0%
337	20	4359	2.43	2.35	0.31	2.58	2.34	1.47	0.98	2.34	-0.24	-9.3%
338	20	4359	2.71	2.64	0.44	2.77	2.72	1.65	1.14	2.72	-0.05	-1.8%
339	20	4367	4.67	4.61	0.82	4.77	4.57	2.70	1.85	4.57	-0.20	-4.2%
340	20	4371	4.16	4.04	0.54	4.23	4.57	3.04	2.04	4.57	0.34	8.0%
341	25	4462	2.01	1.96	0.21	2.02	2.38	1.59	1.06	2.38	0.36	17.8%
342	120	4618	20.22	19.93	2.80	21.12	19.13	25.59	18.66	25.59	4.47	21.2%
343	20	4359	15.50	15.23	2.58	15.75	16.85	10.05	6.80	16.85	1.10	7.0%
344	25	4462	5.24	5.26	0.59	5.33	6.13	4.06	2.80	6.13	0.80	15.0%
345	20	4371	1.47	1.43	0.20	1.52	1.51	0.97	0.67	1.51	-0.01	-0.7%
346	20	4371	1.31	1.25	0.21	1.34	1.28	0.78	0.52	1.28	-0.06	-4.5%
347	20	4371	1.92	1.84	0.30	1.94	1.79	1.11	0.73	1.79	-0.15	-7.7%
348	45	4528	11.29	11.05	1.30	11.55	12.77	9.41	6.31	12.77	1.22	10.6%
349	45	4528	11.60	11.51	1.38	11.99	12.97	9.59	6.18	12.97	0.98	8.2%
350	20	4359	3.28	3.23	0.56	3.32	3.29	2.00	1.36	3.29	-0.03	-0.9%
351	45	4533	51.87	51.37	3.30	52.69	54.86	46.39	31.67	54.86	2.17	4.1%
352	20	4404	4.87	4.70	0.55	5.00	4.88	3.22	2.04	4.88	-0.12	-2.4%
353	20	4359	5.82	5.59	1.05	5.99	5.15	3.24	2.02	5.15	-0.84	-14.0%
354	25	4464	1.62	1.65	0.20	1.68	1.80	1.18	0.77	1.80	0.12	7.1%
355	45	4362	34.34	34.45	1.17	34.35	34.48	34.45	22.24	34.48	0.13	0.4%
356	45	4528	34.74	34.86	1.23	34.82	34.68	35.20	22.72	35.20	0.38	1.1%
357	20	4359	1.74	1.69	0.19	1.81	1.92	1.21	0.82	1.92	0.11	6.1%
358	15	4398	14.37	14.70	1.47	14.58	15.91	10.94	7.49	15.91	1.33	9.1%
359	10	4366	12.60	12.64	1.02	13.23	14.29	8.96	6.11	14.29	1.06	8.0%
360	15	4407	14.79	15.09	1.56	14.96	16.06	11.56	7.90	16.06	1.10	7.4%
361	45	4528	9.01	9.10	0.65	9.33	9.75	8.54	6.33	9.75	0.42	4.5%
362	20	4371	2.53	2.46	0.33	2.58	2.56	1.62	1.08	2.56	-0.02	-0.8%
363	20	4371	1.71	1.65	0.24	1.75	1.69	1.08	0.73	1.69	-0.06	-3.4%
364	20	4371	1.72	1.64	0.27	1.76	1.69	1.03	0.70	1.69	-0.07	-4.0%
365	20	4371	2.07	2.05	0.28	2.09	2.09	1.35	0.91	2.09	0.00	0.0%
366	20	4371	1.97	1.89	0.32	2.03	1.88	1.17	0.77	1.88	-0.15	-7.4%
367	360	4587	5.76	5.80	0.87	5.91	5.95	4.59	5.03	5.95	0.04	0.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
368	20	4359	1.73	1.66	0.27	1.85	1.58	0.98	0.64	1.58	-0.27	-14.6%
369	25	4464	4.59	4.65	0.59	4.64	5.37	3.39	2.36	5.37	0.73	15.7%
370	20	4359	2.74	2.65	0.32	2.88	2.99	1.90	1.30	2.99	0.11	3.8%
371	20	4371	2.01	1.95	0.33	2.06	2.01	1.23	0.84	2.01	-0.05	-2.4%
372	20	4371	1.86	1.79	0.29	1.89	1.78	1.10	0.73	1.78	-0.11	-5.8%
373	20	4404	3.92	3.72	0.46	4.11	3.99	2.55	1.66	3.99	-0.12	-2.9%
374	20	4371	1.38	1.34	0.28	1.39	1.22	0.77	0.46	1.22	-0.17	-12.2%
375	30	4500	3.71	3.70	0.40	3.89	4.51	3.04	2.01	4.51	0.62	15.9%
376	25	4462	2.87	2.83	0.35	2.93	3.27	2.10	1.43	3.27	0.34	11.6%
377	20	4404	17.84	17.35	2.43	18.47	19.77	13.30	8.93	19.77	1.30	7.0%
378	120	4499	113.65	115.26	10.97	117.99	98.88	127.41	112.60	127.41	9.42	8.0%
379	20	4371	0.98	0.94	0.16	0.99	0.91	0.55	0.36	0.91	-0.08	-8.1%
380	20	4359	7.04	6.91	0.53	7.57	7.86	5.52	3.72	7.86	0.29	3.8%
381	25	4462	1.35	1.34	0.15	1.38	1.57	1.01	0.69	1.57	0.19	13.8%
382	25	4462	1.98	1.96	0.22	2.01	2.30	1.51	1.00	2.30	0.29	14.4%
383	20	4429	0.45	0.45	0.06	0.46	0.43	0.28	0.18	0.43	-0.03	-6.5%
384	30	4498	21.82	21.61	2.14	22.07	23.29	18.78	13.03	23.29	1.22	5.5%
385	45	4533	51.18	50.65	3.51	52.25	54.51	45.05	30.84	54.51	2.26	4.3%
386	30	4502	3.25	3.23	0.31	3.32	3.91	2.69	1.78	3.91	0.59	17.8%
387	45	4528	1.82	1.77	0.27	1.85	2.23	1.53	1.01	2.23	0.38	20.5%
388	45	4528	7.69	7.47	1.16	7.96	9.26	6.25	4.15	9.26	1.30	16.3%
389	60	4559	62.86	62.41	2.58	64.17	59.84	74.07	52.44	74.07	9.90	15.4%
390	20	4371	0.46	0.43	0.10	0.46	0.41	0.25	0.15	0.41	-0.05	-10.9%
391	25	4464	2.66	2.69	0.36	2.72	2.95	1.90	1.26	2.95	0.23	8.5%
392	20	4433	0.97	0.97	0.12	0.97	0.99	0.64	0.42	0.99	0.02	2.1%
393	20	4433	0.49	0.49	0.06	0.49	0.48	0.32	0.20	0.48	-0.01	-2.0%
394	20	4371	1.78	1.72	0.26	1.84	1.93	1.27	0.86	1.93	0.09	4.9%
395	20	4359	2.69	2.61	0.35	2.86	2.52	1.60	1.06	2.52	-0.34	-11.9%
396	20	4371	1.58	1.52	0.25	1.62	1.54	0.94	0.64	1.54	-0.08	-4.9%
397	45	4533	22.39	22.09	1.74	22.49	24.22	19.96	13.38	24.22	1.73	7.7%
398	20	4371	0.53	0.51	0.09	0.53	0.49	0.29	0.20	0.49	-0.04	-7.5%
399	20	4359	0.24	0.23	0.05	0.27	0.21	0.14	0.08	0.21	-0.06	-22.2%
400	360	4596	0.46	0.46	0.05	0.47	0.26	0.40	0.41	0.41	-0.06	-12.8%
401	25	4464	3.36	3.39	0.36	3.38	3.94	2.67	1.81	3.94	0.56	16.6%
402	20	4367	2.23	2.19	0.40	2.26	2.05	1.24	0.81	2.05	-0.21	-9.3%
403	20	4371	1.62	1.56	0.27	1.64	1.50	0.92	0.60	1.50	-0.14	-8.5%
404	25	4461	10.26	10.40	1.04	10.39	11.18	7.65	5.07	11.18	0.79	7.6%
405	20	4371	4.44	4.30	0.69	4.52	4.35	2.68	1.80	4.35	-0.17	-3.8%
406	20	4359	3.26	3.12	0.48	3.42	3.15	1.94	1.29	3.15	-0.27	-7.9%
407	60	4559	62.85	62.41	2.58	64.17	59.84	74.07	52.41	74.07	9.90	15.4%
408	60	4405	12.30	12.52	1.12	12.52	12.09	13.16	9.56	13.16	0.64	5.1%
409	60	4558	12.38	12.59	1.03	12.58	11.81	13.51	9.83	13.51	0.93	7.4%
410	60	4405	20.90	21.20	1.91	21.01	21.79	22.60	16.39	22.60	1.59	7.6%
411	30	4503	2.11	2.10	0.19	2.11	2.55	1.76	1.16	2.55	0.44	20.9%
412	30	4502	2.81	2.81	0.32	2.82	3.41	2.27	1.50	3.41	0.59	20.9%
413	25	4464	2.55	2.49	0.33	2.56	2.91	1.93	1.30	2.91	0.35	13.7%
414	20	4371	4.02	3.86	0.63	4.14	4.00	2.45	1.67	4.00	-0.14	-3.4%
415	20	4371	4.05	3.90	0.66	4.18	4.18	2.65	1.80	4.18	0.00	0.0%
416	20	4371	1.13	1.08	0.18	1.15	1.06	0.64	0.43	1.06	-0.09	-7.8%
417	20	4371	1.34	1.29	0.23	1.36	1.23	0.76	0.49	1.23	-0.13	-9.6%
418	25	4464	2.39	2.46	0.38	2.44	2.73	1.72	1.11	2.73	0.29	11.9%
419	45	4528	8.27	8.15	1.12	8.53	9.66	6.82	4.60	9.66	1.13	13.2%
420	60	4405	28.68	28.77	2.71	29.12	29.99	34.21	24.55	34.21	5.09	17.5%
421	20	4371	1.05	1.01	0.18	1.06	0.97	0.59	0.38	0.97	-0.09	-8.5%
422	10	4363	10.53	10.56	0.97	11.06	10.94	6.90	4.64	10.94	-0.12	-1.1%
423	20	4367	5.06	5.00	0.88	5.17	5.15	3.25	2.19	5.15	-0.02	-0.4%
424	20	4359	4.06	3.98	0.69	4.19	4.15	2.61	1.76	4.15	-0.04	-1.0%
425	10	4363	1.05	1.05	0.09	1.11	0.84	0.52	0.31	0.84	-0.27	-24.3%
426	25	4462	1.20	1.19	0.16	1.22	1.36	0.86	0.59	1.36	0.14	11.5%
427	20	4371	1.87	1.83	0.28	1.93	1.91	1.21	0.82	1.91	-0.02	-1.0%
428	20	4371	2.19	2.12	0.38	2.22	2.04	1.24	0.80	2.04	-0.18	-8.1%
429	45	4533	33.13	33.56	3.19	34.72	36.44	30.05	20.47	36.44	1.72	5.0%
430	20	4359	0.58	0.54	0.12	0.63	0.51	0.33	0.19	0.51	-0.12	-19.0%
431	20	4371	1.66	1.58	0.28	1.68	1.55	0.94	0.62	1.55	-0.13	-7.7%
432	20	4371	1.16	1.10	0.20	1.16	1.05	0.65	0.41	1.05	-0.11	-9.5%
433	20	4359	2.29	2.18	0.34	2.45	2.10	1.34	0.84	2.10	-0.35	-14.3%
434	20	4371	1.67	1.62	0.26	1.71	1.61	1.01	0.67	1.61	-0.10	-5.8%
435	20	4359	0.84	0.80	0.11	0.90	0.78	0.49	0.31	0.78	-0.12	-13.3%
436	45	4528	8.76	8.82	0.70	9.02	9.52	8.21	6.06	9.52	0.50	5.5%
437	45	4528	7.79	7.89	0.65	8.06	8.35	7.19	5.27	8.35	0.29	3.6%
438	45	4528	7.53	7.63	0.69	7.76	8.17	6.83	5.01	8.17	0.41	5.3%
439	45	4528	7.42	7.52	0.70	7.63	8.14	6.67	4.91	8.14	0.51	6.7%
440	45	4528	6.28	6.35	0.63	6.52	6.84	5.50	4.08	6.84	0.32	4.9%
441	45	4528	6.18	6.24	0.63	6.40	6.77	5.38	3.99	6.77	0.37	5.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
442	45	4528	5.85	5.87	0.63	6.05	6.51	5.02	3.74	6.51	0.46	7.6%
443	45	4528	9.24	9.32	0.61	9.53	9.88	8.86	6.65	9.88	0.35	3.7%
444	45	4528	9.30	9.37	0.58	9.58	9.91	8.97	6.75	9.91	0.33	3.4%
445	25	4462	0.79	0.79	0.12	0.80	0.87	0.56	0.37	0.87	0.07	8.7%
446	20	4433	0.52	0.52	0.05	0.52	0.54	0.35	0.23	0.54	0.02	3.8%
447	25	4462	2.20	2.20	0.26	2.22	2.52	1.68	1.13	2.52	0.30	13.5%
448	25	4462	1.36	1.35	0.15	1.39	1.58	1.02	0.70	1.58	0.19	13.7%
449	25	4460	1.20	1.21	0.17	1.21	1.30	0.84	0.56	1.30	0.09	7.4%
450	20	4371	0.11	0.10	0.03	0.12	0.11	0.06	0.04	0.11	-0.01	-8.3%
451	20	4404	0.50	0.49	0.08	0.55	0.46	0.31	0.20	0.46	-0.09	-16.4%
452	20	4359	0.29	0.29	0.05	0.32	0.26	0.17	0.11	0.26	-0.06	-18.8%
453	45	4533	3.56	3.51	0.54	4.04	4.36	3.12	2.06	4.36	0.32	7.9%
454	20	4371	0.84	0.82	0.13	0.86	0.81	0.51	0.34	0.81	-0.05	-5.8%
455	45	4528	3.65	3.59	0.53	3.68	4.42	3.25	2.15	4.42	0.74	20.1%
456	25	4464	0.15	0.15	0.01	0.16	0.19	0.12	0.08	0.19	0.03	18.8%
457	20	4371	0.87	0.86	0.13	0.88	0.87	0.56	0.38	0.87	-0.01	-1.1%
458	20	4359	0.33	0.31	0.07	0.36	0.29	0.18	0.11	0.29	-0.07	-19.4%
459	20	4359	1.03	1.00	0.16	1.11	0.92	0.58	0.38	0.92	-0.19	-17.1%
460	20	4371	1.73	1.66	0.27	1.75	1.59	0.98	0.65	1.59	-0.16	-9.1%
461	20	4359	2.24	2.18	0.30	2.39	2.14	1.34	0.89	2.14	-0.25	-10.5%
462	20	4371	1.00	0.97	0.15	1.03	1.04	0.68	0.46	1.04	0.01	1.0%
463	20	4371	0.43	0.42	0.07	0.43	0.39	0.24	0.16	0.39	-0.04	-9.3%
464	20	4359	0.56	0.55	0.08	0.60	0.56	0.36	0.24	0.56	-0.04	-6.7%
465	20	4359	0.18	0.18	0.03	0.21	0.17	0.10	0.06	0.17	-0.04	-19.0%
466	25	4460	0.58	0.59	0.09	0.59	0.64	0.41	0.27	0.64	0.05	8.5%
467	25	4464	2.36	2.39	0.34	2.38	2.62	1.71	1.13	2.62	0.24	10.1%
468	20	4371	1.70	1.63	0.27	1.72	1.57	0.98	0.64	1.57	-0.15	-8.7%
469	20	4371	1.03	0.99	0.18	1.04	0.94	0.58	0.37	0.94	-0.10	-9.6%
470	20	4371	0.62	0.60	0.11	0.62	0.56	0.35	0.22	0.56	-0.06	-9.7%
471	20	4359	0.50	0.48	0.09	0.54	0.45	0.28	0.18	0.45	-0.09	-16.7%
472	20	4359	0.38	0.36	0.07	0.41	0.33	0.21	0.13	0.33	-0.08	-19.5%
473	20	4359	0.61	0.59	0.09	0.66	0.56	0.35	0.23	0.56	-0.10	-15.2%
474	20	4371	2.15	2.06	0.32	2.20	2.09	1.31	0.88	2.09	-0.11	-5.0%
475	20	4371	1.87	1.80	0.28	1.88	1.77	1.11	0.74	1.77	-0.11	-5.9%
476	20	4359	0.20	0.20	0.04	0.22	0.18	0.11	0.07	0.18	-0.04	-18.2%
477	20	4371	0.28	0.26	0.06	0.28	0.24	0.16	0.09	0.24	-0.04	-14.3%
478	20	4371	0.59	0.57	0.10	0.59	0.54	0.33	0.21	0.54	-0.05	-8.5%
479	20	4359	0.93	0.90	0.12	1.00	0.88	0.55	0.36	0.88	-0.12	-12.0%
480	20	4359	2.16	2.09	0.28	2.29	2.09	1.35	0.89	2.09	-0.20	-8.7%
481	20	4359	2.44	2.35	0.29	2.56	2.58	1.66	1.09	2.58	0.02	0.8%
482	20	4429	0.06	0.06	0.01	0.06	0.06	0.04	0.03	0.06	0.00	0.0%
483	20	4429	0.20	0.20	0.02	0.20	0.21	0.13	0.09	0.21	0.01	5.0%
484	25	4464	0.40	0.41	0.04	0.41	0.46	0.30	0.20	0.46	0.05	12.2%
485	20	4371	1.06	1.01	0.17	1.07	0.97	0.60	0.39	0.97	-0.10	-9.3%
486	20	4359	1.09	1.06	0.15	1.17	1.01	0.65	0.43	1.01	-0.16	-13.7%
487	20	4359	0.20	0.19	0.04	0.22	0.18	0.11	0.07	0.18	-0.04	-18.2%
488	20	4359	0.26	0.25	0.05	0.29	0.23	0.15	0.09	0.23	-0.06	-20.7%
489	20	4371	2.14	2.08	0.28	2.17	2.19	1.41	0.96	2.19	0.02	0.9%
490	20	4371	0.10	0.09	0.02	0.10	0.09	0.05	0.03	0.09	-0.01	-10.0%
491	20	4433	0.34	0.34	0.04	0.34	0.34	0.22	0.14	0.34	0.00	0.0%
492	25	4394	0.68	0.71	0.07	0.69	0.79	0.50	0.33	0.79	0.10	14.5%
493	20	4359	0.12	0.12	0.03	0.14	0.11	0.07	0.04	0.11	-0.03	-21.4%
494	20	4429	0.23	0.23	0.03	0.24	0.22	0.14	0.09	0.22	-0.02	-8.3%
495	20	4359	0.31	0.30	0.06	0.34	0.28	0.18	0.11	0.28	-0.06	-17.6%
496	20	4359	0.38	0.36	0.07	0.42	0.34	0.21	0.13	0.34	-0.08	-19.0%
497	20	4371	0.84	0.82	0.11	0.85	0.89	0.57	0.39	0.89	0.04	4.7%
498	25	4462	0.44	0.43	0.06	0.44	0.48	0.31	0.21	0.48	0.04	9.1%
499	20	4429	0.42	0.41	0.06	0.42	0.39	0.25	0.16	0.39	-0.03	-7.1%
500	20	4359	0.47	0.44	0.09	0.51	0.41	0.26	0.16	0.41	-0.10	-19.6%
501	20	4371	0.53	0.51	0.09	0.53	0.48	0.29	0.19	0.48	-0.05	-9.4%
502	20	4404	18.01	17.54	2.42	18.57	19.94	13.64	9.15	19.94	1.37	7.4%
503	20	4371	0.69	0.69	0.11	0.70	0.65	0.42	0.28	0.65	-0.05	-7.1%
504	20	4371	0.95	0.92	0.15	0.97	0.92	0.58	0.39	0.92	-0.05	-5.2%
505	20	4433	0.37	0.37	0.04	0.38	0.37	0.25	0.16	0.37	-0.01	-2.6%
506	20	4359	0.30	0.29	0.06	0.33	0.26	0.17	0.10	0.26	-0.07	-21.2%
507	25	4464	0.48	0.49	0.06	0.49	0.54	0.35	0.23	0.54	0.05	10.2%
508	20	4429	0.25	0.25	0.03	0.26	0.26	0.16	0.11	0.26	0.00	0.0%
509	25	4462	0.74	0.74	0.11	0.76	0.82	0.52	0.35	0.82	0.06	7.9%
510	20	4404	2.64	2.55	0.26	2.76	2.79	1.80	1.20	2.79	0.03	1.1%
511	20	4404	3.25	3.12	0.32	3.33	3.62	2.30	1.54	3.62	0.29	8.7%
512	20	4404	3.38	3.25	0.33	3.50	3.81	2.42	1.63	3.81	0.31	8.9%
513	20	4359	1.75	1.67	0.26	1.81	1.80	1.12	0.77	1.80	-0.01	-0.6%
514	20	4371	0.66	0.62	0.13	0.66	0.58	0.36	0.22	0.58	-0.08	-12.1%
515	20	4371	0.82	0.79	0.13	0.83	0.78	0.48	0.32	0.78	-0.05	-6.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
516	20	4359	0.32	0.31	0.06	0.35	0.29	0.18	0.11	0.29	-0.06	-17.1%
517	20	4371	0.38	0.35	0.08	0.38	0.33	0.21	0.13	0.33	-0.05	-13.2%
518	25	4462	0.94	0.94	0.14	0.95	1.03	0.66	0.45	1.03	0.08	8.4%
519	20	4371	1.00	0.98	0.15	1.03	1.01	0.64	0.43	1.01	-0.02	-1.9%
520	25	4464	1.44	1.43	0.17	1.47	1.58	1.04	0.69	1.58	0.11	7.5%
521	20	4371	0.35	0.35	0.05	0.36	0.35	0.23	0.15	0.35	-0.01	-2.8%
522	20	4371	0.43	0.43	0.07	0.44	0.42	0.27	0.18	0.42	-0.02	-4.5%
523	20	4429	0.50	0.49	0.08	0.50	0.45	0.29	0.18	0.45	-0.05	-10.0%
524	25	4394	0.67	0.70	0.10	0.68	0.74	0.48	0.31	0.74	0.06	8.8%
525	10	4363	2.16	2.17	0.19	2.29	1.71	1.05	0.62	1.71	-0.58	-25.3%
526	20	4359	0.53	0.50	0.09	0.57	0.47	0.29	0.18	0.47	-0.10	-17.5%
527	20	4404	2.46	2.40	0.28	2.61	2.55	1.69	1.13	2.55	-0.06	-2.3%
528	15	4393	0.45	0.43	0.07	0.46	0.38	0.23	0.13	0.38	-0.08	-17.4%
529	15	4393	0.15	0.15	0.03	0.15	0.13	0.08	0.05	0.13	-0.02	-13.3%
530	20	4359	1.18	1.14	0.15	1.25	1.17	0.74	0.49	1.17	-0.08	-6.4%
531	20	4371	0.46	0.43	0.10	0.46	0.40	0.25	0.15	0.40	-0.06	-13.0%
532	20	4371	0.09	0.08	0.02	0.09	0.08	0.05	0.03	0.08	-0.01	-11.1%
533	20	4359	0.84	0.81	0.16	0.93	0.75	0.47	0.29	0.75	-0.18	-19.4%
534	15	4393	1.29	1.24	0.19	1.37	1.11	0.69	0.43	1.11	-0.26	-19.0%
535	25	4462	0.81	0.80	0.11	0.82	0.90	0.57	0.39	0.90	0.08	9.8%
536	25	4462	0.85	0.85	0.13	0.85	0.92	0.61	0.40	0.92	0.07	8.2%
537	25	4462	0.76	0.75	0.11	0.77	0.83	0.53	0.36	0.83	0.06	7.8%
538	20	4359	0.10	0.10	0.02	0.12	0.09	0.06	0.03	0.09	-0.03	-25.0%
539	20	4359	0.26	0.25	0.05	0.29	0.23	0.15	0.09	0.23	-0.06	-20.7%
540	20	4359	0.40	0.38	0.07	0.44	0.37	0.24	0.15	0.37	-0.07	-15.9%
541	25	4464	0.92	0.94	0.16	0.93	0.99	0.64	0.41	0.99	0.06	6.5%
542	20	4429	0.47	0.46	0.06	0.47	0.46	0.30	0.19	0.46	-0.01	-2.1%
543	25	4464	1.93	1.97	0.20	1.95	2.24	1.48	0.99	2.24	0.29	14.9%
544	20	4433	0.50	0.50	0.06	0.50	0.49	0.32	0.20	0.49	-0.01	-2.0%
545	25	4464	0.99	1.02	0.15	1.00	1.08	0.70	0.45	1.08	0.08	8.0%
546	25	4464	1.10	1.13	0.16	1.12	1.20	0.79	0.51	1.20	0.08	7.1%
547	25	4462	1.96	1.98	0.28	1.98	2.19	1.42	0.96	2.19	0.21	10.6%
548	25	4464	2.08	2.08	0.29	2.08	2.33	1.52	1.02	2.33	0.25	12.0%
549	25	4464	1.39	1.42	0.21	1.40	1.50	0.99	0.63	1.50	0.10	7.1%
550	25	4464	2.26	2.31	0.24	2.26	2.53	1.72	1.11	2.53	0.27	11.9%
551	45	4528	5.04	4.94	0.63	5.16	5.72	4.09	2.68	5.72	0.56	10.9%
552	45	4528	5.15	5.06	0.63	5.28	5.82	4.21	2.75	5.82	0.54	10.2%
553	25	4464	1.83	1.87	0.19	1.83	2.06	1.41	0.93	2.06	0.23	12.6%
554	20	4429	0.24	0.23	0.03	0.24	0.23	0.15	0.09	0.23	-0.01	-4.2%
555	25	4464	0.77	0.77	0.11	0.78	0.84	0.54	0.36	0.84	0.06	7.7%
556	45	4533	9.65	9.60	0.92	9.87	10.27	8.50	5.50	10.27	0.40	4.1%
557	45	4533	8.86	8.78	0.89	9.11	9.49	7.67	4.97	9.49	0.38	4.2%
558	25	4460	1.18	1.20	0.16	1.19	1.32	0.85	0.56	1.32	0.13	10.9%
559	25	4394	0.78	0.80	0.11	0.78	0.87	0.57	0.38	0.87	0.09	11.5%
560	20	4433	0.54	0.54	0.05	0.55	0.57	0.37	0.24	0.57	0.02	3.6%
561	20	4359	0.25	0.24	0.05	0.28	0.22	0.14	0.08	0.22	-0.06	-21.4%
562	20	4371	0.46	0.45	0.07	0.46	0.43	0.28	0.17	0.43	-0.03	-6.5%
563	15	4393	0.75	0.73	0.12	0.80	0.63	0.39	0.24	0.63	-0.17	-21.3%
564	15	4393	0.35	0.34	0.06	0.36	0.29	0.19	0.11	0.29	-0.07	-19.4%
565	20	4359	0.84	0.81	0.11	0.90	0.86	0.55	0.35	0.86	-0.04	-4.4%
566	25	4464	1.32	1.36	0.19	1.34	1.44	0.94	0.60	1.44	0.10	7.5%
567	25	4394	1.48	1.55	0.18	1.49	1.67	1.08	0.70	1.67	0.18	12.1%
568	25	4464	1.84	1.89	0.20	1.86	2.05	1.38	0.90	2.05	0.19	10.2%
569	20	4433	0.30	0.30	0.03	0.30	0.32	0.21	0.14	0.32	0.02	6.7%
570	25	4394	2.21	2.26	0.22	2.26	2.43	1.69	1.11	2.43	0.17	7.5%
571	20	4429	0.30	0.30	0.05	0.30	0.27	0.18	0.11	0.27	-0.03	-10.0%
572	20	4429	0.86	0.82	0.09	0.87	0.83	0.53	0.33	0.83	-0.04	-4.6%
573	20	4371	1.34	1.31	0.27	1.36	1.19	0.74	0.45	1.19	-0.17	-12.5%
574	20	4371	0.61	0.58	0.11	0.61	0.54	0.34	0.20	0.54	-0.07	-11.5%
575	20	4433	0.52	0.51	0.06	0.52	0.51	0.34	0.21	0.51	-0.01	-1.9%
576	20	4429	0.23	0.22	0.03	0.23	0.22	0.14	0.09	0.22	-0.01	-4.3%
577	25	4464	0.53	0.54	0.06	0.53	0.60	0.39	0.26	0.60	0.07	13.2%
578	20	4433	0.24	0.24	0.02	0.24	0.24	0.16	0.10	0.24	0.00	0.0%
579	20	4359	2.82	2.69	0.39	3.03	2.76	1.81	1.15	2.76	-0.27	-8.9%
580	20	4429	0.19	0.18	0.02	0.19	0.18	0.12	0.08	0.18	-0.01	-5.3%
581	25	4462	11.65	11.90	1.08	11.80	11.43	8.20	5.25	11.43	-0.37	-3.1%
582	20	4371	0.61	0.58	0.12	0.61	0.54	0.34	0.21	0.54	-0.07	-11.5%
583	20	4359	0.43	0.41	0.08	0.47	0.38	0.24	0.15	0.38	-0.09	-19.1%
584	20	4371	0.83	0.79	0.15	0.83	0.75	0.46	0.29	0.75	-0.08	-9.6%
585	20	4429	2.02	1.96	0.20	2.06	2.16	1.43	0.91	2.16	0.10	4.9%
586	20	4429	1.94	1.89	0.21	1.98	2.03	1.31	0.83	2.03	0.05	2.5%
587	20	4359	0.36	0.34	0.07	0.40	0.31	0.20	0.12	0.31	-0.09	-22.5%
588	20	4359	0.17	0.16	0.03	0.19	0.15	0.10	0.06	0.15	-0.04	-21.1%
589	20	4371	0.85	0.81	0.14	0.85	0.77	0.47	0.31	0.77	-0.08	-9.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
590	20	4371	1.01	0.96	0.14	1.01	0.97	0.61	0.39	0.97	-0.04	-4.0%
591	20	4371	1.43	1.36	0.24	1.47	1.36	0.86	0.56	1.36	-0.11	-7.5%
592	20	4371	0.34	0.32	0.07	0.34	0.30	0.19	0.11	0.30	-0.04	-11.8%
593	20	4429	0.33	0.32	0.05	0.34	0.31	0.20	0.13	0.31	-0.03	-8.8%
594	20	4429	0.36	0.36	0.05	0.37	0.35	0.23	0.14	0.35	-0.02	-5.4%
595	20	4371	0.97	0.93	0.17	0.97	0.87	0.55	0.34	0.87	-0.10	-10.3%
596	20	4359	0.34	0.32	0.07	0.37	0.31	0.19	0.11	0.31	-0.06	-16.2%
597	15	4393	0.33	0.31	0.06	0.34	0.27	0.17	0.09	0.27	-0.07	-20.6%
598	15	4393	0.61	0.59	0.10	0.64	0.50	0.31	0.18	0.50	-0.14	-21.9%
599	20	4371	1.36	1.31	0.24	1.36	1.22	0.77	0.48	1.22	-0.14	-10.3%
600	20	4371	0.38	0.36	0.08	0.38	0.33	0.21	0.13	0.33	-0.05	-13.2%
601	20	4429	0.28	0.27	0.04	0.28	0.27	0.17	0.11	0.27	-0.01	-3.6%
602	20	4371	0.69	0.66	0.15	0.69	0.60	0.38	0.22	0.60	-0.09	-13.0%
603	20	4371	1.36	1.28	0.26	1.37	1.20	0.76	0.47	1.20	-0.17	-12.4%
604	20	4367	3.44	3.26	0.56	3.45	3.27	2.09	1.28	3.27	-0.18	-5.2%
605	20	4371	0.49	0.47	0.11	0.50	0.44	0.27	0.16	0.44	-0.06	-12.0%
606	15	4393	0.26	0.25	0.04	0.27	0.21	0.13	0.07	0.21	-0.06	-22.2%
607	20	4359	2.30	2.21	0.47	2.47	2.03	1.27	0.77	2.03	-0.44	-17.8%
608	15	4393	0.90	0.87	0.14	0.96	0.73	0.45	0.26	0.73	-0.23	-24.0%
609	20	4359	2.12	2.05	0.43	2.27	1.87	1.17	0.71	1.87	-0.40	-17.6%
610	20	4359	1.12	1.07	0.17	1.21	0.99	0.63	0.39	0.99	-0.22	-18.2%
611	20	4371	0.13	0.11	0.03	0.13	0.11	0.07	0.04	0.11	-0.02	-15.4%
612	20	4367	3.73	3.55	0.51	3.75	3.67	2.35	1.46	3.67	-0.08	-2.1%
613	20	4359	0.15	0.14	0.03	0.16	0.13	0.08	0.05	0.13	-0.03	-18.8%
614	20	4359	0.82	0.78	0.13	0.88	0.74	0.46	0.29	0.74	-0.14	-15.9%
615	20	4371	0.89	0.84	0.15	0.90	0.82	0.51	0.33	0.82	-0.08	-8.9%
616	20	4359	0.18	0.17	0.04	0.20	0.16	0.10	0.06	0.16	-0.04	-20.0%
617	20	4433	0.58	0.58	0.06	0.59	0.59	0.38	0.25	0.59	0.00	0.0%
618	10	4363	0.69	0.70	0.06	0.73	0.55	0.33	0.20	0.55	-0.18	-24.7%
619	25	4394	1.48	1.51	0.11	1.49	1.76	1.16	0.77	1.76	0.27	18.1%
620	30	4503	1.82	1.83	0.20	1.82	2.16	1.48	0.97	2.16	0.34	18.7%
621	20	4371	0.25	0.24	0.06	0.26	0.23	0.14	0.08	0.23	-0.03	-11.5%
622	25	4464	0.46	0.46	0.06	0.47	0.52	0.33	0.22	0.52	0.05	10.6%
623	25	4394	0.78	0.81	0.07	0.80	0.90	0.59	0.39	0.90	0.10	12.5%
624	25	4464	0.82	0.82	0.09	0.82	0.97	0.63	0.43	0.97	0.15	18.3%
625	25	4464	0.87	0.87	0.10	0.89	0.99	0.63	0.42	0.99	0.10	11.2%
626	25	4464	2.53	2.59	0.25	2.58	2.96	1.95	1.31	2.96	0.38	14.7%
627	20	4359	0.87	0.84	0.14	0.95	0.77	0.49	0.30	0.77	-0.18	-18.9%
628	20	4359	0.46	0.44	0.10	0.49	0.40	0.26	0.15	0.40	-0.09	-18.4%
629	25	4464	0.39	0.40	0.06	0.40	0.43	0.27	0.18	0.43	0.03	7.5%
630	20	4429	0.19	0.18	0.03	0.19	0.18	0.12	0.07	0.18	-0.01	-5.3%
631	25	4464	0.60	0.61	0.07	0.62	0.68	0.44	0.29	0.68	0.06	9.7%
632	20	4371	0.46	0.43	0.10	0.46	0.41	0.26	0.15	0.41	-0.05	-10.9%
633	20	4371	0.70	0.68	0.13	0.71	0.63	0.40	0.25	0.63	-0.08	-11.3%
634	20	4371	1.01	0.96	0.18	1.02	0.91	0.56	0.36	0.91	-0.11	-10.8%
635	20	4371	1.39	1.33	0.23	1.40	1.28	0.79	0.51	1.28	-0.12	-8.6%
636	20	4371	0.68	0.65	0.13	0.68	0.60	0.38	0.24	0.60	-0.08	-11.8%
637	20	4371	1.00	0.97	0.16	1.02	0.95	0.59	0.39	0.95	-0.07	-6.9%
638	20	4371	0.71	0.68	0.12	0.71	0.65	0.40	0.26	0.65	-0.06	-8.5%
639	20	4371	1.97	1.91	0.27	2.01	1.95	1.26	0.85	1.95	-0.06	-3.0%
640	20	4371	0.78	0.75	0.13	0.79	0.71	0.44	0.28	0.71	-0.08	-10.1%
641	20	4359	0.49	0.46	0.09	0.53	0.43	0.27	0.17	0.43	-0.10	-18.9%
642	20	4359	1.29	1.24	0.26	1.39	1.12	0.71	0.43	1.12	-0.27	-19.4%
643	15	4393	0.97	0.94	0.15	1.04	0.80	0.49	0.29	0.80	-0.24	-23.1%
644	10	4363	2.60	2.60	0.24	2.75	2.17	1.34	0.82	2.17	-0.58	-21.1%
645	20	4371	0.79	0.76	0.13	0.80	0.72	0.45	0.29	0.72	-0.08	-10.0%
646	20	4429	2.26	2.19	0.22	2.28	2.35	1.52	1.00	2.35	0.07	3.1%
647	20	4371	1.15	1.10	0.19	1.16	1.05	0.65	0.42	1.05	-0.11	-9.5%
648	20	4359	0.34	0.32	0.07	0.38	0.30	0.19	0.12	0.30	-0.08	-21.1%
649	20	4371	1.38	1.31	0.22	1.41	1.31	0.83	0.54	1.31	-0.10	-7.1%
650	20	4371	2.08	1.99	0.35	2.10	1.91	1.18	0.77	1.91	-0.19	-9.0%
651	20	4371	0.60	0.58	0.10	0.60	0.55	0.34	0.22	0.55	-0.05	-8.3%
652	20	4359	0.58	0.55	0.11	0.63	0.51	0.32	0.20	0.51	-0.12	-19.0%
653	20	4371	0.79	0.75	0.14	0.79	0.71	0.44	0.28	0.71	-0.08	-10.1%
654	20	4371	1.01	0.96	0.18	1.02	0.92	0.57	0.36	0.92	-0.10	-9.8%
655	20	4371	0.58	0.57	0.10	0.59	0.53	0.33	0.21	0.53	-0.06	-10.2%
656	20	4359	0.30	0.29	0.06	0.33	0.27	0.17	0.11	0.27	-0.06	-18.2%
657	20	4359	0.51	0.49	0.10	0.56	0.45	0.29	0.18	0.45	-0.11	-19.6%
658	20	4371	0.23	0.21	0.05	0.23	0.20	0.13	0.07	0.20	-0.03	-13.0%
659	20	4371	0.76	0.72	0.14	0.76	0.68	0.43	0.27	0.68	-0.08	-10.5%
660	20	4359	0.43	0.41	0.08	0.47	0.38	0.24	0.15	0.38	-0.09	-19.1%
661	20	4359	0.24	0.23	0.05	0.27	0.21	0.13	0.08	0.21	-0.06	-22.2%
662	20	4371	1.47	1.39	0.26	1.49	1.34	0.83	0.54	1.34	-0.15	-10.1%
663	20	4359	0.32	0.30	0.07	0.35	0.28	0.18	0.11	0.28	-0.07	-20.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
664	20	4359	3.88	3.76	0.59	4.06	3.80	2.33	1.57	3.80	-0.26	-6.4%
665	20	4371	2.37	2.27	0.39	2.42	2.27	1.36	0.92	2.27	-0.15	-6.2%
666	45	4528	16.32	16.27	2.01	16.84	18.51	13.86	9.43	18.51	1.67	9.9%
667	20	4371	0.73	0.70	0.12	0.73	0.66	0.40	0.26	0.66	-0.07	-9.6%
668	20	4359	0.36	0.34	0.07	0.39	0.31	0.20	0.12	0.31	-0.08	-20.5%
669	20	4371	2.65	2.56	0.38	2.65	2.53	1.59	1.06	2.53	-0.12	-4.5%
670	20	4359	2.43	2.37	0.33	2.56	2.47	1.56	1.06	2.47	-0.09	-3.5%
671	20	4371	1.45	1.40	0.23	1.48	1.39	0.85	0.57	1.39	-0.09	-6.1%
672	20	4371	4.27	4.17	0.51	4.30	4.85	3.07	2.06	4.85	0.55	12.8%
673	20	4371	0.61	0.59	0.11	0.61	0.55	0.34	0.22	0.55	-0.06	-9.8%
674	20	4359	0.28	0.27	0.05	0.31	0.26	0.16	0.10	0.26	-0.05	-16.1%
675	20	4371	0.99	0.99	0.14	1.00	0.94	0.61	0.40	0.94	-0.06	-6.0%
676	20	4371	0.60	0.58	0.10	0.60	0.54	0.34	0.22	0.54	-0.06	-10.0%
677	25	4462	1.37	1.34	0.15	1.38	1.60	1.05	0.70	1.60	0.22	15.9%
678	25	4464	1.82	1.81	0.19	1.83	2.18	1.44	0.96	2.18	0.35	19.1%
679	25	4464	2.76	2.81	0.38	2.78	3.08	2.01	1.33	3.08	0.30	10.8%
680	20	4359	1.06	1.06	0.15	1.16	1.00	0.66	0.43	1.00	-0.16	-13.8%
681	20	4371	0.31	0.29	0.07	0.31	0.28	0.17	0.10	0.28	-0.03	-9.7%
682	20	4371	0.83	0.80	0.14	0.83	0.76	0.47	0.30	0.76	-0.07	-8.4%
683	30	4402	7.49	7.30	1.09	8.06	8.94	6.03	4.09	8.94	0.88	10.9%
684	20	4433	0.51	0.50	0.06	0.51	0.51	0.33	0.22	0.51	0.00	0.0%
685	20	4371	0.15	0.14	0.04	0.15	0.13	0.08	0.05	0.13	-0.02	-13.3%
686	20	4371	0.14	0.13	0.03	0.14	0.12	0.07	0.04	0.12	-0.02	-14.3%
687	20	4359	0.23	0.22	0.05	0.26	0.20	0.13	0.08	0.20	-0.06	-23.1%
688	20	4359	1.01	0.97	0.17	1.09	0.90	0.56	0.35	0.90	-0.19	-17.4%
689	25	4464	0.48	0.49	0.07	0.48	0.52	0.34	0.22	0.52	0.04	8.3%
690	20	4433	0.58	0.58	0.06	0.58	0.60	0.39	0.26	0.60	0.02	3.4%
691	25	4464	0.61	0.62	0.05	0.63	0.73	0.48	0.32	0.73	0.10	15.9%
692	20	4359	0.15	0.15	0.03	0.17	0.13	0.09	0.05	0.13	-0.04	-23.5%
693	20	4371	0.39	0.38	0.07	0.39	0.35	0.21	0.14	0.35	-0.04	-10.3%
694	20	4404	2.41	2.33	0.24	2.53	2.64	1.68	1.14	2.64	0.11	4.3%
695	20	4404	3.97	3.85	0.40	4.15	4.55	2.90	2.01	4.55	0.40	9.6%
696	30	4402	7.85	7.55	1.13	8.59	9.11	6.31	4.24	9.11	0.52	6.1%
697	20	4371	0.89	0.84	0.16	0.89	0.80	0.50	0.31	0.80	-0.09	-10.1%
698	20	4371	0.93	0.88	0.17	0.94	0.84	0.52	0.33	0.84	-0.10	-10.6%
699	20	4371	0.23	0.21	0.05	0.23	0.21	0.13	0.08	0.21	-0.02	-8.7%
700	20	4371	1.32	1.26	0.21	1.34	1.25	0.76	0.51	1.25	-0.09	-6.7%
701	20	4371	1.59	1.52	0.27	1.62	1.49	0.91	0.60	1.49	-0.13	-8.0%
702	20	4371	1.38	1.31	0.24	1.40	1.28	0.79	0.51	1.28	-0.12	-8.6%
703	20	4371	0.83	0.80	0.14	0.84	0.76	0.47	0.31	0.76	-0.08	-9.5%
704	20	4359	0.20	0.20	0.04	0.22	0.18	0.11	0.07	0.18	-0.04	-18.2%
705	20	4371	0.20	0.19	0.04	0.20	0.18	0.12	0.07	0.18	-0.02	-10.0%
706	20	4371	0.31	0.31	0.05	0.32	0.30	0.18	0.12	0.30	-0.02	-6.3%
707	20	4359	1.32	1.29	0.18	1.42	1.24	0.79	0.52	1.24	-0.18	-12.7%
708	45	4528	12.17	11.96	1.37	12.46	13.65	10.26	6.90	13.65	1.19	9.6%
709	45	4528	12.38	12.23	1.35	12.70	13.81	10.48	7.07	13.81	1.11	8.7%
710	45	4528	12.46	12.34	1.35	12.80	13.89	10.57	7.14	13.89	1.09	8.5%
711	20	4359	0.38	0.36	0.07	0.41	0.33	0.21	0.13	0.33	-0.08	-19.5%
712	20	4371	0.53	0.50	0.11	0.53	0.47	0.29	0.18	0.47	-0.06	-11.3%
713	20	4359	0.58	0.55	0.11	0.63	0.52	0.32	0.20	0.52	-0.11	-17.5%
714	20	4359	0.84	0.81	0.12	0.91	0.78	0.49	0.31	0.78	-0.13	-14.3%
715	30	4498	22.44	22.14	2.14	22.59	23.95	19.48	13.49	23.95	1.36	6.0%
716	20	4371	0.57	0.55	0.09	0.57	0.52	0.32	0.21	0.52	-0.05	-8.8%
717	25	4394	10.80	11.07	1.00	10.99	12.36	8.80	5.92	12.36	1.37	12.5%
718	20	4371	1.37	1.30	0.23	1.38	1.26	0.77	0.50	1.26	-0.12	-8.7%
719	20	4359	1.03	1.00	0.13	1.09	1.00	0.65	0.43	1.00	-0.09	-8.3%
720	20	4371	0.47	0.46	0.07	0.47	0.44	0.27	0.18	0.44	-0.03	-6.4%
721	20	4359	0.58	0.55	0.11	0.63	0.51	0.32	0.20	0.51	-0.12	-19.0%
722	20	4359	0.50	0.48	0.09	0.55	0.45	0.28	0.18	0.45	-0.10	-18.2%
723	20	4371	0.70	0.66	0.12	0.70	0.63	0.40	0.25	0.63	-0.07	-10.0%
724	20	4371	0.65	0.64	0.10	0.66	0.63	0.40	0.26	0.63	-0.03	-4.5%
725	20	4371	1.83	1.79	0.23	1.83	1.83	1.21	0.82	1.83	0.00	0.0%
726	20	4371	0.63	0.62	0.10	0.63	0.59	0.38	0.25	0.59	-0.04	-6.3%
727	45	4528	36.51	36.08	2.81	37.38	38.88	32.01	21.57	38.88	1.50	4.0%
728	20	4359	0.25	0.24	0.05	0.28	0.23	0.14	0.09	0.23	-0.05	-17.9%
729	25	4462	0.19	0.19	0.03	0.19	0.20	0.13	0.09	0.20	0.01	5.3%
730	20	4371	0.20	0.19	0.04	0.20	0.17	0.11	0.07	0.17	-0.03	-15.0%
731	20	4371	0.48	0.45	0.11	0.49	0.42	0.26	0.16	0.42	-0.07	-14.3%
732	20	4371	1.78	1.70	0.26	1.79	1.70	1.07	0.72	1.70	-0.09	-5.0%
733	20	4359	0.34	0.32	0.05	0.36	0.35	0.22	0.14	0.35	-0.01	-2.8%
734	20	4359	0.22	0.21	0.04	0.24	0.20	0.13	0.08	0.20	-0.04	-16.7%
735	20	4359	0.31	0.31	0.05	0.34	0.29	0.18	0.12	0.29	-0.05	-14.7%
736	25	4464	1.71	1.75	0.22	1.75	1.91	1.23	0.81	1.91	0.16	9.1%
737	25	4464	0.73	0.73	0.10	0.75	0.81	0.51	0.34	0.81	0.06	8.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
738	25	4464	0.80	0.81	0.12	0.82	0.88	0.56	0.37	0.88	0.06	7.3%
739	25	4460	0.43	0.43	0.07	0.43	0.46	0.30	0.20	0.46	0.03	7.0%
740	25	4464	1.28	1.30	0.18	1.29	1.42	0.92	0.61	1.42	0.13	10.1%
741	20	4429	0.23	0.23	0.04	0.24	0.21	0.14	0.09	0.21	-0.03	-12.5%
742	20	4429	0.50	0.49	0.05	0.51	0.52	0.34	0.22	0.52	0.01	2.0%
743	20	4433	0.41	0.41	0.04	0.41	0.43	0.28	0.18	0.43	0.02	4.9%
744	20	4429	0.67	0.66	0.10	0.67	0.61	0.40	0.26	0.61	-0.06	-9.0%
745	20	4359	0.22	0.22	0.04	0.25	0.21	0.14	0.08	0.21	-0.04	-16.0%
746	20	4359	0.43	0.42	0.08	0.47	0.38	0.25	0.16	0.38	-0.09	-19.1%
747	20	4371	0.57	0.56	0.09	0.57	0.53	0.34	0.22	0.53	-0.04	-7.0%
748	25	4462	0.72	0.72	0.12	0.73	0.77	0.50	0.33	0.77	0.04	5.5%
749	20	4359	0.39	0.38	0.06	0.44	0.37	0.24	0.15	0.37	-0.07	-15.9%
750	20	4433	0.32	0.32	0.04	0.32	0.32	0.21	0.13	0.32	0.00	0.0%
751	25	4464	0.75	0.77	0.08	0.77	0.85	0.55	0.37	0.85	0.08	10.4%
752	45	4527	53.32	52.76	2.66	54.27	55.23	49.21	33.63	55.23	0.96	1.8%
753	20	4359	0.56	0.53	0.12	0.60	0.49	0.31	0.18	0.49	-0.11	-18.3%
754	10	4363	1.34	1.34	0.12	1.41	1.15	0.72	0.44	1.15	-0.26	-18.4%
755	10	4363	1.99	2.02	0.18	2.06	1.80	1.09	0.69	1.80	-0.26	-12.6%
756	20	4359	0.10	0.10	0.02	0.12	0.10	0.06	0.04	0.10	-0.02	-16.7%
757	20	4371	0.04	0.04	0.01	0.04	0.04	0.02	0.01	0.04	0.00	0.0%
758	20	4404	2.68	2.55	0.39	2.76	2.70	1.68	1.05	2.70	-0.06	-2.2%
759	20	4433	0.91	0.90	0.10	0.91	0.90	0.59	0.38	0.90	-0.01	-1.1%
760	20	4429	0.59	0.58	0.10	0.59	0.54	0.34	0.22	0.54	-0.05	-8.5%
761	20	4371	0.57	0.55	0.09	0.59	0.56	0.35	0.23	0.56	-0.03	-5.1%
762	20	4371	1.06	1.02	0.16	1.08	1.06	0.65	0.44	1.06	-0.02	-1.9%
763	45	4496	23.28	23.10	1.28	23.37	24.45	21.63	14.51	24.45	1.08	4.6%
764	20	4359	0.44	0.42	0.08	0.48	0.39	0.24	0.16	0.39	-0.09	-18.8%
765	30	4504	11.43	11.01	1.62	12.71	12.64	9.22	6.16	12.64	-0.07	-0.6%
766	25	4464	1.94	1.95	0.22	1.99	2.14	1.42	0.94	2.14	0.15	7.5%
767	20	4359	0.83	0.82	0.12	0.90	0.83	0.53	0.35	0.83	-0.07	-7.8%
768	20	4371	0.31	0.29	0.07	0.31	0.28	0.17	0.10	0.28	-0.03	-9.7%
769	20	4433	0.40	0.40	0.03	0.40	0.43	0.28	0.18	0.43	0.03	7.5%
770	20	4359	0.34	0.32	0.07	0.37	0.29	0.18	0.11	0.29	-0.08	-21.6%
771	20	4371	0.21	0.20	0.05	0.21	0.18	0.12	0.07	0.18	-0.03	-14.3%
772	20	4371	0.70	0.66	0.14	0.71	0.62	0.39	0.24	0.62	-0.09	-12.7%
773	20	4371	0.95	0.91	0.20	0.95	0.83	0.52	0.30	0.83	-0.12	-12.6%
774	15	4393	0.39	0.37	0.06	0.41	0.32	0.20	0.11	0.32	-0.09	-22.0%
775	20	4371	0.75	0.70	0.17	0.76	0.66	0.41	0.24	0.66	-0.10	-13.2%
776	15	4393	0.63	0.61	0.10	0.66	0.53	0.33	0.19	0.53	-0.13	-19.7%
777	20	4371	0.54	0.53	0.09	0.55	0.51	0.32	0.21	0.51	-0.04	-7.3%
778	20	4371	1.05	1.01	0.16	1.07	1.03	0.65	0.44	1.03	-0.04	-3.7%
779	20	4359	0.03	0.03	0.01	0.03	0.02	0.02	0.01	0.02	-0.01	-33.3%
780	20	4433	0.80	0.80	0.07	0.80	0.83	0.55	0.35	0.83	0.03	3.7%
781	20	4359	0.19	0.19	0.03	0.22	0.17	0.11	0.07	0.17	-0.05	-22.7%
782	20	4359	0.14	0.14	0.03	0.15	0.12	0.08	0.05	0.12	-0.03	-20.0%
783	15	4358	0.23	0.23	0.04	0.24	0.21	0.13	0.07	0.21	-0.03	-12.5%
784	15	4393	0.19	0.19	0.03	0.20	0.16	0.10	0.06	0.16	-0.04	-20.0%
785	20	4371	0.06	0.06	0.01	0.06	0.06	0.04	0.02	0.06	0.00	0.0%
786	20	4367	0.48	0.46	0.11	0.48	0.42	0.26	0.15	0.42	-0.06	-12.5%
787	20	4429	1.44	1.40	0.17	1.45	1.50	0.94	0.63	1.50	0.05	3.4%
788	20	4371	0.10	0.09	0.02	0.10	0.09	0.06	0.03	0.09	-0.01	-10.0%
789	20	4359	0.18	0.18	0.03	0.20	0.15	0.10	0.06	0.15	-0.05	-25.0%
790	15	4358	0.41	0.39	0.07	0.41	0.35	0.21	0.13	0.35	-0.06	-14.6%
791	20	4359	0.22	0.21	0.04	0.24	0.19	0.13	0.08	0.19	-0.05	-20.8%
792	20	4359	0.38	0.36	0.07	0.41	0.34	0.21	0.13	0.34	-0.07	-17.1%
793	20	4371	0.56	0.54	0.09	0.56	0.52	0.32	0.21	0.52	-0.04	-7.1%
794	20	4371	0.29	0.28	0.05	0.29	0.27	0.17	0.11	0.27	-0.02	-6.9%
795	20	4371	0.41	0.41	0.06	0.42	0.41	0.26	0.18	0.41	-0.01	-2.4%
796	20	4433	0.35	0.35	0.04	0.35	0.34	0.22	0.14	0.34	-0.01	-2.9%
797	20	4371	2.25	2.22	0.28	2.26	2.48	1.57	1.06	2.48	0.22	9.7%
798	20	4433	0.47	0.47	0.04	0.48	0.51	0.33	0.21	0.51	0.03	6.3%
799	20	4371	0.39	0.38	0.06	0.39	0.37	0.23	0.15	0.37	-0.02	-5.1%
800	20	4371	0.71	0.68	0.12	0.72	0.66	0.40	0.26	0.66	-0.06	-8.3%
801	25	4460	1.98	1.99	0.20	1.98	2.34	1.55	1.05	2.34	0.36	18.2%
802	20	4359	0.10	0.09	0.02	0.11	0.09	0.05	0.03	0.09	-0.02	-18.2%
803	20	4359	0.43	0.41	0.07	0.46	0.38	0.24	0.15	0.38	-0.08	-17.4%
804	25	4466	10.01	10.08	0.76	10.25	11.35	8.19	5.63	11.35	1.10	10.7%
805	25	4462	9.52	9.66	0.91	9.62	11.18	7.48	5.14	11.18	1.56	16.2%
806	20	4359	5.27	5.15	0.66	5.37	6.08	4.13	2.82	6.08	0.71	13.2%
807	20	4371	4.87	4.68	0.62	4.88	5.23	3.49	2.38	5.23	0.35	7.2%
808	20	4371	0.82	0.77	0.18	0.83	0.73	0.46	0.27	0.73	-0.10	-12.0%
809	10	4363	0.85	0.85	0.07	0.90	0.66	0.42	0.24	0.66	-0.24	-26.7%
810	25	4464	2.04	2.10	0.23	2.08	2.36	1.52	1.01	2.36	0.28	13.5%
811	25	4460	1.59	1.61	0.22	1.59	1.78	1.14	0.76	1.78	0.19	11.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
812	20	4429	0.42	0.41	0.06	0.43	0.39	0.25	0.16	0.39	-0.04	-9.3%
813	20	4429	1.46	1.41	0.17	1.46	1.53	0.96	0.64	1.53	0.07	4.8%
814	30	4503	21.43	21.66	1.31	21.52	22.21	21.31	13.09	22.21	0.69	3.2%
815	45	4531	22.08	21.99	1.34	22.24	23.06	21.93	13.82	23.06	0.82	3.7%
816	20	4359	0.16	0.15	0.03	0.18	0.14	0.09	0.06	0.14	-0.04	-22.2%
817	20	4359	0.43	0.41	0.07	0.47	0.39	0.24	0.15	0.39	-0.08	-17.0%
818	45	4533	186.41	186.42	6.17	187.65	188.90	184.84	169.78	188.90	1.25	0.7%
819	1440	4817	0.09	0.09	0.01	0.09	0.05	0.04	0.07	0.07	-0.02	-22.2%
820	20	4359	1.45	1.41	0.16	1.57	1.53	0.99	0.64	1.53	-0.04	-2.5%
821	45	4533	186.29	186.29	6.21	187.57	188.86	184.14	169.55	188.86	1.29	0.7%
822	45	4527	53.78	53.32	2.45	54.37	55.31	51.49	34.70	55.31	0.94	1.7%
823	25	4464	1.08	1.09	0.10	1.11	1.28	0.83	0.56	1.28	0.17	15.3%
824	20	4371	0.82	0.81	0.10	0.82	0.82	0.53	0.36	0.82	0.00	0.0%
825	20	4371	0.09	0.09	0.02	0.10	0.08	0.05	0.03	0.08	-0.02	-20.0%
826	15	4393	0.64	0.62	0.10	0.68	0.52	0.32	0.19	0.52	-0.16	-23.5%
827	20	4371	0.85	0.81	0.18	0.85	0.75	0.47	0.28	0.75	-0.10	-11.8%
828	20	4371	0.99	0.93	0.21	0.99	0.87	0.55	0.32	0.87	-0.12	-12.1%
829	20	4371	2.23	2.16	0.45	2.25	1.97	1.22	0.73	1.97	-0.28	-12.4%
830	20	4371	1.10	1.05	0.20	1.10	0.98	0.62	0.39	0.98	-0.12	-10.9%
831	20	4371	0.50	0.47	0.10	0.50	0.44	0.27	0.17	0.44	-0.06	-12.0%
832	20	4371	0.71	0.67	0.14	0.71	0.63	0.40	0.24	0.63	-0.08	-11.3%
833	20	4359	0.37	0.35	0.08	0.41	0.33	0.21	0.13	0.33	-0.08	-19.5%
834	20	4359	0.51	0.49	0.10	0.56	0.45	0.29	0.18	0.45	-0.11	-19.6%
835	15	4358	0.13	0.13	0.03	0.14	0.12	0.07	0.04	0.12	-0.02	-14.3%
836	20	4371	2.23	2.20	0.31	2.25	2.41	1.56	1.05	2.41	0.16	7.1%
837	20	4371	0.85	0.82	0.14	0.86	0.78	0.48	0.32	0.78	-0.08	-9.3%
838	20	4371	0.32	0.30	0.07	0.32	0.28	0.18	0.11	0.28	-0.04	-12.5%
839	25	4462	1.23	1.23	0.15	1.24	1.39	0.90	0.61	1.39	0.15	12.1%
840	20	4371	0.36	0.34	0.08	0.36	0.32	0.20	0.12	0.32	-0.04	-11.1%
841	20	4371	1.12	1.06	0.22	1.13	1.00	0.62	0.38	1.00	-0.13	-11.5%
842	20	4371	0.17	0.16	0.04	0.17	0.15	0.09	0.05	0.15	-0.02	-11.8%
843	20	4371	1.94	1.87	0.30	1.99	1.93	1.21	0.83	1.93	-0.06	-3.0%
844	20	4359	2.31	2.23	0.32	2.44	2.36	1.46	1.01	2.36	-0.08	-3.3%
845	25	4464	3.59	3.66	0.45	3.62	4.12	2.64	1.76	4.12	0.50	13.8%
846	20	4371	0.57	0.55	0.10	0.57	0.52	0.32	0.21	0.52	-0.05	-8.8%
847	20	4371	1.26	1.22	0.19	1.30	1.28	0.80	0.55	1.28	-0.02	-1.5%
848	20	4371	0.63	0.61	0.11	0.63	0.57	0.36	0.23	0.57	-0.06	-9.5%
849	20	4371	0.81	0.78	0.14	0.82	0.73	0.46	0.29	0.73	-0.09	-11.0%
850	20	4359	0.41	0.39	0.07	0.44	0.37	0.23	0.15	0.37	-0.07	-15.9%
851	20	4359	2.38	2.28	0.34	2.45	2.35	1.47	0.99	2.35	-0.10	-4.1%
852	20	4371	1.23	1.17	0.20	1.25	1.15	0.70	0.46	1.15	-0.10	-8.0%
853	20	4371	1.68	1.60	0.28	1.70	1.58	0.97	0.64	1.58	-0.12	-7.1%
854	20	4371	1.51	1.45	0.27	1.52	1.40	0.87	0.56	1.40	-0.12	-7.9%
855	20	4359	0.33	0.31	0.06	0.36	0.29	0.18	0.12	0.29	-0.07	-19.4%
856	20	4371	0.40	0.37	0.08	0.40	0.34	0.22	0.13	0.34	-0.06	-15.0%
857	20	4371	0.04	0.04	0.01	0.04	0.04	0.02	0.01	0.04	0.00	0.0%
858	20	4371	0.16	0.15	0.04	0.17	0.15	0.10	0.05	0.15	-0.02	-11.8%
859	20	4359	0.40	0.38	0.08	0.44	0.35	0.22	0.13	0.35	-0.09	-20.5%
860	20	4371	0.67	0.64	0.12	0.67	0.60	0.38	0.24	0.60	-0.07	-10.4%
861	20	4359	0.45	0.43	0.08	0.49	0.40	0.25	0.16	0.40	-0.09	-18.4%
862	20	4371	0.75	0.72	0.14	0.75	0.67	0.42	0.26	0.67	-0.08	-10.7%
863	20	4371	0.77	0.74	0.13	0.77	0.69	0.43	0.28	0.69	-0.08	-10.4%
864	20	4371	3.16	3.03	0.46	3.26	3.05	1.92	1.28	3.05	-0.21	-6.4%
865	20	4371	3.64	3.48	0.50	3.68	3.64	2.31	1.53	3.64	-0.04	-1.1%
866	20	4404	3.97	3.84	0.50	4.20	3.99	2.52	1.67	3.99	-0.21	-5.0%
867	20	4371	0.86	0.83	0.15	0.87	0.78	0.49	0.31	0.78	-0.09	-10.3%
868	20	4371	0.64	0.62	0.10	0.64	0.59	0.37	0.24	0.59	-0.05	-7.8%
869	20	4359	0.34	0.33	0.06	0.37	0.30	0.19	0.12	0.30	-0.07	-18.9%
870	20	4359	2.48	2.40	0.19	2.73	2.64	1.76	1.16	2.64	-0.09	-3.3%
871	20	4359	0.10	0.10	0.02	0.12	0.09	0.06	0.04	0.09	-0.03	-25.0%
872	25	4462	1.92	1.95	0.22	1.97	2.08	1.36	0.88	2.08	0.11	5.6%
873	20	4371	0.91	0.87	0.15	0.91	0.82	0.51	0.33	0.82	-0.09	-9.9%
874	45	4528	6.74	6.60	0.77	6.82	7.54	5.68	3.73	7.54	0.72	10.6%
875	45	4528	6.85	6.71	0.76	6.93	7.63	5.81	3.82	7.63	0.70	10.1%
876	45	4528	7.02	6.89	0.76	7.10	7.78	5.98	3.95	7.78	0.68	9.6%
877	20	4429	1.30	1.26	0.14	1.33	1.35	0.86	0.56	1.35	0.02	1.5%
878	20	4359	0.44	0.42	0.09	0.48	0.38	0.25	0.15	0.38	-0.10	-20.8%
879	30	4402	10.60	10.14	1.37	11.62	11.93	8.63	5.84	11.93	0.31	2.7%
880	20	4359	0.63	0.61	0.10	0.69	0.55	0.35	0.22	0.55	-0.14	-20.3%
881	20	4359	0.23	0.22	0.05	0.26	0.20	0.13	0.08	0.20	-0.06	-23.1%
882	25	4464	2.80	2.83	0.36	2.83	3.11	2.03	1.36	3.11	0.28	9.9%
883	25	4460	2.71	2.75	0.37	2.73	2.98	1.94	1.29	2.98	0.25	9.2%
884	45	4528	13.91	13.67	1.91	14.36	16.24	11.36	7.65	16.24	1.88	13.1%
885	45	4528	9.51	9.45	1.25	9.83	11.07	8.02	5.39	11.07	1.24	12.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4534 TP for the 45 minute duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
886	20	4371	0.73	0.70	0.13	0.74	0.66	0.41	0.26	0.66	-0.08	-10.8%
887	20	4371	0.54	0.52	0.10	0.54	0.49	0.31	0.19	0.49	-0.05	-9.3%
888	20	4371	0.72	0.69	0.12	0.72	0.66	0.40	0.26	0.66	-0.06	-8.3%
889	25	4460	0.33	0.33	0.05	0.33	0.35	0.23	0.15	0.35	0.02	6.1%
890	20	4371	0.65	0.63	0.11	0.65	0.59	0.37	0.23	0.59	-0.06	-9.2%
891	20	4371	0.96	0.92	0.16	0.97	0.88	0.54	0.35	0.88	-0.09	-9.3%
892	20	4404	3.35	3.20	0.35	3.49	3.45	2.20	1.43	3.45	-0.04	-1.1%
893	20	4371	0.89	0.86	0.13	0.90	0.83	0.53	0.34	0.83	-0.07	-7.8%
894	20	4359	1.02	0.98	0.15	1.10	0.91	0.59	0.37	0.91	-0.19	-17.3%
895	20	4371	0.69	0.66	0.12	0.70	0.63	0.39	0.25	0.63	-0.07	-10.0%
896	20	4367	4.26	4.12	0.49	4.26	4.76	3.04	2.04	4.76	0.50	11.7%
897	20	4371	1.00	0.97	0.16	1.01	0.92	0.57	0.38	0.92	-0.09	-8.9%
898	20	4371	0.77	0.74	0.12	0.77	0.71	0.44	0.29	0.71	-0.06	-7.8%
899	20	4371	0.15	0.14	0.03	0.15	0.14	0.08	0.05	0.14	-0.01	-6.7%
900	20	4359	0.68	0.65	0.13	0.74	0.61	0.38	0.24	0.61	-0.13	-17.6%
901	20	4371	0.70	0.67	0.12	0.70	0.63	0.39	0.25	0.63	-0.07	-10.0%
902	20	4359	0.82	0.79	0.11	0.87	0.78	0.49	0.32	0.78	-0.09	-10.3%
903	20	4371	0.59	0.57	0.10	0.59	0.53	0.33	0.22	0.53	-0.06	-10.2%
904	45	4528	9.37	9.30	1.24	9.68	10.92	7.87	5.29	10.92	1.24	12.8%
905	20	4359	0.46	0.43	0.09	0.50	0.41	0.25	0.16	0.41	-0.09	-18.0%
906	20	4371	1.00	0.97	0.15	1.02	0.92	0.59	0.37	0.92	-0.10	-9.8%
907	30	4402	4.15	4.05	0.62	4.51	4.89	3.29	2.24	4.89	0.38	8.4%
908	25	4460	2.53	2.52	0.31	2.63	2.88	1.95	1.32	2.88	0.25	9.5%
909	25	4462	3.28	3.29	0.41	3.30	3.73	2.48	1.69	3.73	0.43	13.0%
910	20	4359	0.76	0.74	0.09	0.81	0.79	0.51	0.34	0.79	-0.02	-2.5%
911	20	4371	0.36	0.34	0.08	0.36	0.32	0.20	0.12	0.32	-0.04	-11.1%
912	45	4528	5.94	5.84	0.70	6.08	6.59	4.93	3.25	6.59	0.51	8.4%
913	20	4359	0.43	0.42	0.08	0.48	0.39	0.25	0.15	0.39	-0.09	-18.8%
914	20	4359	0.25	0.24	0.05	0.28	0.22	0.14	0.09	0.22	-0.06	-21.4%
915	20	4359	0.65	0.63	0.12	0.71	0.58	0.37	0.23	0.58	-0.13	-18.3%
916	20	4371	1.45	1.41	0.24	1.46	1.33	0.82	0.54	1.33	-0.13	-8.9%
917	20	4359	4.16	4.01	0.82	4.36	3.67	2.29	1.40	3.67	-0.69	-15.8%
918	10	4363	2.55	2.55	0.23	2.70	2.12	1.31	0.80	2.12	-0.58	-21.5%
919	15	4393	0.56	0.54	0.09	0.57	0.49	0.30	0.18	0.49	-0.08	-14.0%
920	20	4371	1.07	1.02	0.23	1.07	0.94	0.59	0.36	0.94	-0.13	-12.1%
921	20	4404	1.78	1.69	0.22	1.83	1.82	1.17	0.74	1.82	-0.01	-0.5%
922	20	4371	2.40	2.29	0.34	2.42	2.54	1.57	1.06	2.54	0.12	5.0%
923	20	4371	1.05	1.02	0.17	1.06	0.99	0.61	0.40	0.99	-0.07	-6.6%
924	20	4371	0.95	0.91	0.17	0.96	0.86	0.54	0.34	0.86	-0.10	-10.4%
925	20	4371	4.00	3.83	0.53	4.04	4.20	2.64	1.80	4.20	0.16	4.0%
926	20	4371	0.68	0.64	0.14	0.68	0.60	0.39	0.23	0.60	-0.08	-11.8%
927	20	4371	1.04	0.98	0.19	1.04	0.93	0.58	0.36	0.93	-0.11	-10.6%
928	15	4358	0.37	0.35	0.07	0.38	0.32	0.19	0.11	0.32	-0.06	-15.8%
929	20	4371	0.72	0.69	0.12	0.72	0.65	0.40	0.26	0.65	-0.07	-9.7%
930	20	4359	0.29	0.28	0.05	0.32	0.26	0.17	0.10	0.26	-0.06	-18.8%
931	20	4371	2.09	2.00	0.34	2.13	2.01	1.23	0.81	2.01	-0.12	-5.6%
932	20	4371	0.99	0.94	0.17	0.99	0.90	0.55	0.35	0.90	-0.09	-9.1%
933	20	4371	0.95	0.91	0.15	0.96	0.88	0.54	0.35	0.88	-0.08	-8.3%
934	20	4371	0.87	0.84	0.14	0.88	0.80	0.49	0.32	0.80	-0.08	-9.1%
935	20	4371	2.14	2.04	0.35	2.17	2.00	1.22	0.80	2.00	-0.17	-7.8%

Average Difference (All Subcatchments)	**1.35%**
Average Difference (Focus Locations)	**6.86%**

ARR2016 Results for 0.5% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
1	60	4559	265.39	262.94	15.90	270.27	271.75	263.71	229.13	271.75	1.48	0.5%
2	25	4464	2.33	2.32	0.31	2.37	2.33	1.60	1.09	2.33	-0.04	-1.7%
3	20	4429	2.28	2.26	0.20	2.32	2.14	1.48	1.00	2.14	-0.18	-7.8%
4	25	4464	4.48	4.49	0.46	4.58	4.65	3.25	2.17	4.65	0.07	1.5%
5	30	4402	4.75	4.56	0.67	5.13	5.13	3.73	2.49	5.13	0.00	0.0%
6	45	4528	12.44	12.30	1.13	12.79	13.72	10.89	7.34	13.72	0.93	7.3%
7	45	4528	15.36	15.47	1.73	16.10	17.27	13.10	8.90	17.27	1.17	7.3%
8	45	4528	15.67	15.51	1.10	15.94	17.06	14.06	9.63	17.06	1.12	7.0%
9	20	4359	2.47	2.41	0.42	2.74	1.97	1.42	0.94	1.97	-0.77	-28.1%
10	45	4528	19.93	19.54	2.42	20.77	22.10	15.94	10.69	22.10	1.33	6.4%
11	20	4429	2.25	2.24	0.18	2.30	2.14	1.48	1.00	2.14	-0.16	-7.0%
12	25	4462	8.22	8.21	1.00	8.24	8.68	6.07	4.14	8.68	0.44	5.3%
13	30	4502	1.51	1.51	0.15	1.52	1.67	1.23	0.81	1.67	0.15	9.9%
14	30	4502	2.02	2.03	0.22	2.05	2.21	1.63	1.07	2.21	0.16	7.8%
15	45	4528	4.59	4.56	0.56	4.84	5.25	3.81	2.57	5.25	0.41	8.5%
16	45	4528	31.62	31.35	2.46	32.63	34.69	28.41	19.56	34.69	2.06	6.3%
17	20	4359	2.02	1.94	0.32	2.15	1.60	1.14	0.76	1.60	-0.55	-25.6%
18	20	4404	7.09	6.83	0.68	7.37	6.81	4.73	3.26	6.81	-0.56	-7.6%
19	45	4528	2.67	2.72	0.28	2.72	3.16	2.55	1.71	3.16	0.44	16.2%
20	30	4402	10.92	10.40	1.62	12.00	11.90	8.53	5.78	11.90	-0.10	-0.8%
21	45	4528	13.55	13.59	0.71	13.79	14.88	12.75	8.65	14.88	1.09	7.9%
22	45	4533	34.75	34.48	2.28	35.31	38.18	32.37	22.21	38.18	2.87	8.1%
23	30	4502	3.32	3.28	0.23	3.45	3.74	2.95	1.95	3.74	0.29	8.4%
24	45	4528	13.40	13.33	1.56	13.92	15.12	11.00	7.51	15.12	1.20	8.6%
25	45	4533	16.32	16.35	1.70	16.60	18.61	13.84	9.45	18.61	2.01	12.1%
26	45	4533	23.31	23.10	2.36	24.03	25.78	19.40	13.07	25.78	1.75	7.3%
27	20	4359	3.06	3.01	0.48	3.35	2.52	1.80	1.19	2.52	-0.83	-24.8%
28	20	4371	2.65	2.58	0.39	2.69	2.32	1.61	1.10	2.32	-0.37	-13.8%
29	20	4404	10.23	9.90	1.05	10.69	10.53	7.54	5.07	10.53	-0.16	-1.5%
30	25	4464	2.96	2.96	0.30	3.02	3.10	2.19	1.46	3.10	0.08	2.6%
31	45	4527	47.35	46.74	2.49	48.36	51.89	45.73	31.14	51.89	3.53	7.3%
32	20	4359	2.95	2.79	0.50	3.13	2.25	1.60	1.06	2.25	-0.88	-28.1%
33	30	4402	13.01	12.18	1.95	14.30	13.85	10.01	6.67	13.85	-0.45	-3.1%
34	60	4559	29.36	28.74	3.88	31.51	33.88	36.95	21.53	36.95	5.44	17.3%
35	25	4464	2.75	2.75	0.22	2.80	3.00	2.17	1.43	3.00	0.20	7.1%
36	45	4528	9.55	9.31	1.27	9.90	10.57	7.71	5.12	10.57	0.67	6.8%
37	30	4500	4.32	4.28	0.57	4.40	4.58	3.34	2.23	4.58	0.18	4.1%
38	45	4528	5.07	4.98	0.63	5.30	5.58	4.00	2.66	5.58	0.28	5.3%
39	45	4528	12.66	12.45	1.59	13.13	14.17	10.37	6.89	14.17	1.04	7.9%
40	60	4559	48.37	46.89	4.80	51.04	52.65	48.16	32.22	52.65	1.61	3.2%
41	20	4371	2.23	2.18	0.34	2.23	1.88	1.32	0.89	1.88	-0.35	-15.7%
42	60	4463	55.18	54.45	3.73	57.10	57.10	58.38	38.54	58.38	1.28	2.2%
43	20	4371	3.41	3.27	0.53	3.45	2.81	1.96	1.34	2.81	-0.64	-18.6%
44	60	4559	29.37	28.75	3.88	31.52	33.88	36.99	21.55	36.99	5.47	17.4%
45	25	4462	2.14	2.13	0.21	2.18	2.27	1.63	1.08	2.27	0.09	4.1%
46	60	4463	55.64	55.03	3.53	57.28	57.28	59.18	38.92	59.18	1.90	3.3%
47	25	4462	1.72	1.71	0.15	1.75	1.87	1.36	0.90	1.87	0.12	6.9%
48	25	4464	3.05	3.00	0.36	3.07	3.18	2.29	1.52	3.18	0.11	3.6%
49	20	4429	2.06	2.05	0.18	2.07	2.04	1.40	0.96	2.04	-0.03	-1.4%
50	45	4528	6.15	6.12	0.79	6.52	6.92	4.99	3.35	6.92	0.40	6.1%
51	20	4359	3.09	2.97	0.57	3.28	2.30	1.68	1.08	2.30	-0.98	-29.9%
52	20	4359	5.92	5.76	0.68	6.21	5.87	4.17	2.81	5.87	-0.34	-5.5%
53	20	4371	5.75	5.52	0.85	5.82	5.26	3.74	2.54	5.26	-0.56	-9.6%
54	60	4463	56.92	56.53	3.17	58.10	58.10	61.38	39.97	61.38	3.28	5.6%
55	20	4359	3.28	3.11	0.58	3.48	2.48	1.79	1.16	2.48	-1.00	-28.7%
56	20	4359	9.67	9.36	1.22	10.29	8.89	6.25	4.28	8.89	-1.40	-13.6%
57	20	4359	13.43	12.90	1.82	14.19	11.98	8.34	5.80	11.98	-2.21	-15.6%
58	120	4614	27.11	26.16	6.04	29.79	30.88	37.03	21.99	37.03	7.24	24.3%
59	20	4371	4.80	4.66	0.85	4.84	3.68	2.64	1.76	3.68	-1.16	-24.0%
60	120	4499	29.53	28.52	5.11	30.84	31.17	37.97	23.65	37.97	7.13	23.1%
61	45	4528	6.65	6.50	0.90	6.91	7.27	5.24	3.49	7.27	0.36	5.2%
62	45	4533	10.30	10.42	1.17	10.70	11.67	8.58	5.87	11.67	0.97	9.1%
63	25	4462	3.00	2.96	0.26	3.03	3.27	2.39	1.57	3.27	0.24	7.9%
64	45	4533	18.70	18.62	1.67	19.54	20.78	16.19	11.01	20.78	1.24	6.3%
65	25	4464	1.63	1.63	0.16	1.67	1.71	1.21	0.81	1.71	0.04	2.4%
66	60	4360	58.44	58.25	2.60	58.51	58.86	64.63	41.09	64.63	6.12	10.5%
67	25	4460	1.90	1.91	0.27	1.90	1.88	1.28	0.87	1.88	-0.02	-1.1%
68	25	4462	2.57	2.52	0.28	2.59	2.69	1.92	1.27	2.69	0.10	3.9%
69	45	4534	23.42	23.05	1.40	23.75	26.10	21.63	14.72	26.10	2.35	9.9%
70	60	4360	58.71	58.57	2.52	58.95	58.98	65.16	41.35	65.16	6.21	10.5%
71	20	4371	2.64	2.55	0.40	2.66	2.22	1.55	1.06	2.22	-0.44	-16.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
72	60	4559	74.48	73.59	3.55	76.43	79.74	82.45	54.87	82.45	6.02	7.9%
73	20	4371	3.81	3.75	0.50	3.85	3.74	2.62	1.79	3.74	-0.11	-2.9%
74	45	4533	21.13	21.07	1.68	21.56	23.52	18.67	12.69	23.52	1.96	9.1%
75	20	4359	2.45	2.32	0.44	2.62	1.84	1.33	0.87	1.84	-0.78	-29.8%
76	20	4404	8.22	7.89	0.93	8.52	7.49	5.29	3.60	7.49	-1.03	-12.1%
77	20	4404	11.41	10.93	1.44	11.99	10.12	7.18	4.87	10.12	-1.87	-15.6%
78	120	4618	31.27	30.47	4.21	32.26	32.97	38.38	26.24	38.38	6.12	19.0%
79	20	4371	3.02	2.94	0.51	3.35	2.64	2.22	1.39	2.64	-0.71	-21.2%
80	60	4559	75.02	74.02	3.54	76.96	80.17	83.38	55.87	83.38	6.42	8.3%
81	20	4371	2.75	2.62	0.45	2.76	2.16	1.52	1.02	2.16	-0.60	-21.7%
82	45	4528	37.49	36.89	4.81	38.05	42.03	38.83	30.81	42.03	3.98	10.5%
83	60	4559	1.30	1.30	0.02	1.31	1.32	1.34	1.22	1.34	0.03	2.3%
84	25	4394	5.22	5.31	0.55	5.23	5.47	3.86	2.63	5.47	0.24	4.6%
85	25	4464	2.43	2.42	0.24	2.44	2.49	1.78	1.20	2.49	0.05	2.0%
86	45	4528	4.54	4.44	0.52	4.69	5.11	4.06	2.66	5.11	0.42	9.0%
87	20	4359	2.35	2.25	0.38	2.52	1.80	1.29	0.86	1.80	-0.72	-28.6%
88	60	4559	75.91	74.81	3.62	77.87	80.92	84.71	57.08	84.71	6.84	8.8%
89	20	4359	2.08	2.06	0.24	2.21	1.93	1.32	0.90	1.93	-0.28	-12.7%
90	60	4559	74.16	73.52	3.21	75.92	78.40	83.15	56.63	83.15	7.23	9.5%
91	20	4359	2.42	2.34	0.35	2.56	1.98	1.42	0.93	1.98	-0.58	-22.7%
92	45	4533	7.45	7.41	0.67	7.68	8.17	6.28	4.62	8.17	0.49	6.4%
93	60	4405	5.73	5.79	0.66	5.84	6.22	5.81	3.74	6.22	0.38	6.5%
94	60	4559	74.24	73.59	3.20	75.98	78.45	83.26	56.85	83.26	7.28	9.6%
95	20	4359	2.93	2.79	0.54	3.13	2.18	1.58	1.02	2.18	-0.95	-30.4%
96	20	4359	3.28	3.15	0.60	3.48	2.44	1.77	1.14	2.44	-1.04	-29.9%
97	20	4359	3.28	3.14	0.54	3.49	2.56	1.82	1.21	2.56	-0.93	-26.6%
98	120	4499	24.94	24.99	0.74	24.95	24.61	26.01	24.29	26.01	1.06	4.2%
99	20	4404	3.03	2.87	0.36	3.20	2.71	1.91	1.26	2.71	-0.49	-15.3%
100	60	4559	76.61	75.79	3.26	78.53	80.59	86.76	59.98	86.76	8.23	10.5%
101	20	4359	2.78	2.66	0.40	3.02	2.22	1.58	1.04	2.22	-0.80	-26.5%
102	45	4533	11.30	11.35	0.75	11.67	12.42	10.31	7.69	12.42	0.75	6.4%
103	20	4371	6.58	6.41	1.19	6.64	4.98	3.58	2.36	4.98	-1.66	-25.0%
104	20	4359	7.85	7.75	1.37	7.99	6.26	4.54	2.94	6.26	-1.73	-21.7%
105	20	4359	2.42	2.29	0.43	2.59	1.83	1.31	0.85	1.83	-0.76	-29.3%
106	20	4359	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-100.0%
107	20	4404	3.26	3.14	0.26	3.27	3.01	2.13	1.41	3.01	-0.26	-8.0%
108	45	4527	12.33	12.53	0.61	12.73	13.56	11.73	8.70	13.56	0.83	6.5%
109	20	4371	2.60	2.49	0.41	2.62	2.11	1.48	1.00	2.11	-0.51	-19.5%
110	20	4367	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	20	4359	3.12	2.99	0.44	3.26	2.74	1.94	1.29	2.74	-0.52	-16.0%
112	60	4559	76.72	75.87	3.23	78.64	80.65	86.90	60.53	86.90	8.26	10.5%
113	30	4402	2.68	2.56	0.42	2.93	2.88	2.04	1.37	2.88	-0.05	-1.7%
114	25	4394	3.80	3.85	0.56	3.80	3.70	2.61	1.72	3.70	-0.10	-2.6%
115	20	4359	2.70	2.65	0.37	2.89	2.38	1.64	1.12	2.38	-0.51	-17.6%
116	20	4359	19.79	19.17	3.11	20.31	18.02	12.78	8.54	18.02	-2.29	-11.3%
117	25	4394	31.64	31.35	1.59	32.09	31.99	29.99	27.20	31.99	-0.10	-0.3%
118	60	4559	76.76	75.91	3.22	78.69	80.68	86.96	60.79	86.96	8.27	10.5%
119	20	4429	4.01	3.84	0.41	4.07	3.60	2.56	1.69	3.60	-0.47	-11.5%
120	25	4461	8.69	8.72	0.51	8.76	9.52	7.04	4.64	9.52	0.76	8.7%
121	30	4504	14.70	13.93	1.86	16.19	15.66	11.80	8.02	15.66	-0.53	-3.3%
122	60	4558	15.07	15.00	1.47	15.13	16.96	15.43	11.26	16.96	1.83	12.1%
123	20	4404	21.86	20.93	2.89	22.54	21.49	15.85	10.53	21.49	-1.05	-4.7%
124	10	4364	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-100.0%
125	20	4359	3.97	3.79	0.66	4.27	3.22	2.32	1.50	3.22	-1.05	-24.6%
126	60	4559	101.37	100.34	3.28	103.36	105.20	112.43	86.90	112.43	9.07	8.8%
127	20	4359	5.42	5.23	0.66	5.74	5.20	3.67	2.44	5.20	-0.54	-9.4%
128	30	4498	11.68	11.60	1.41	11.68	12.72	9.29	6.26	12.72	1.04	8.9%
129	25	4464	4.49	4.58	0.61	4.51	4.44	3.10	2.06	4.44	-0.07	-1.6%
130	120	4611	103.28	103.28	11.78	103.40	105.76	114.80	96.58	114.80	11.40	11.0%
131	20	4404	8.19	7.92	0.91	8.58	7.77	5.48	3.74	7.77	-0.81	-9.4%
132	60	4557	25.72	25.59	2.61	26.83	30.16	25.77	18.88	30.16	3.33	12.4%
133	20	4359	6.73	6.45	0.97	7.20	5.52	3.95	2.60	5.52	-1.68	-23.3%
134	60	4405	28.86	28.75	2.37	29.05	32.16	30.78	22.28	32.16	3.11	10.7%
135	20	4359	4.20	4.01	0.61	4.44	3.41	2.43	1.60	3.41	-1.03	-23.2%
136	25	4462	3.91	3.93	0.43	3.92	3.93	2.81	1.87	3.93	0.01	0.3%
137	20	4429	2.80	2.71	0.29	2.86	2.43	1.75	1.15	2.43	-0.43	-15.0%
138	60	4559	31.76	31.18	2.88	32.68	34.94	35.51	24.85	35.51	2.83	8.7%
139	30	4498	24.37	24.31	2.40	24.38	26.86	20.03	13.80	26.86	2.48	10.2%
140	20	4359	2.19	2.13	0.31	2.36	1.77	1.26	0.83	1.77	-0.59	-25.0%
141	45	4496	32.94	32.89	1.67	33.12	36.25	37.52	26.00	37.52	4.40	13.3%
142	20	4359	1.42	1.33	0.29	1.54	1.04	0.77	0.49	1.04	-0.50	-32.5%
143	45	4534	34.57	34.93	1.35	34.80	37.48	39.56	27.37	39.56	4.76	13.7%
144	45	4528	35.44	35.85	1.16	35.80	37.94	40.58	28.38	40.58	4.78	13.4%
145	120	4611	105.04	104.48	11.52	105.70	105.83	115.81	98.98	115.81	10.11	9.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
146	20	4404	6.29	6.02	0.64	6.56	6.00	4.19	2.85	6.00	-0.56	-8.5%
147	20	4404	6.56	6.34	0.75	6.72	5.75	4.34	2.85	5.75	-0.97	-14.4%
148	20	4359	2.27	2.17	0.30	2.35	2.02	1.44	0.95	2.02	-0.33	-14.0%
149	20	4359	5.10	4.93	0.66	5.38	4.52	3.16	2.16	4.52	-0.86	-16.0%
150	20	4404	8.11	7.69	1.03	8.56	7.46	5.24	3.54	7.46	-1.10	-12.9%
151	20	4404	13.32	12.80	1.27	13.61	13.06	9.33	6.38	13.06	-0.55	-4.0%
152	20	4429	2.16	2.08	0.27	2.17	1.78	1.29	0.83	1.78	-0.39	-18.0%
153	360	4406	5.23	5.19	0.49	5.26	2.38	2.99	4.61	4.61	-0.65	-12.4%
154	10	4363	8.05	7.97	0.26	8.25	6.32	4.70	2.95	6.32	-1.93	-23.4%
155	90	4588	132.88	135.00	4.83	134.71	121.51	151.93	128.32	151.93	17.22	12.8%
156	20	4359	2.84	2.68	0.50	2.91	2.16	1.64	0.99	2.16	-0.75	-25.8%
157	10	4363	5.22	5.17	0.11	5.31	4.14	3.05	1.96	4.14	-1.17	-22.0%
158	30	4402	3.08	2.84	0.56	3.31	3.14	2.25	1.50	3.14	-0.17	-5.1%
159	120	4499	133.76	133.73	13.94	136.96	121.53	152.33	129.33	152.33	15.37	11.2%
160	20	4404	5.12	4.85	0.65	5.43	4.35	3.12	2.02	4.35	-1.08	-19.9%
161	20	4404	6.01	5.84	0.56	6.03	5.91	4.22	2.78	5.91	-0.12	-2.0%
162	20	4367	21.66	20.76	2.30	21.78	21.22	15.44	10.59	21.22	-0.56	-2.6%
163	120	4499	134.59	134.56	13.77	137.97	121.56	152.72	129.84	152.72	14.75	10.7%
164	20	4404	3.00	2.85	0.41	3.16	2.55	1.84	1.19	2.55	-0.61	-19.3%
165	25	4394	19.77	20.02	1.43	20.36	20.57	15.51	11.04	20.57	0.21	1.0%
166	25	4461	13.26	13.50	1.29	13.35	13.45	9.64	6.38	13.45	0.10	0.7%
167	25	4461	19.36	19.72	1.57	19.40	19.90	14.92	10.71	19.90	0.50	2.6%
168	20	4359	2.46	2.41	0.35	2.63	2.07	1.46	0.98	2.07	-0.56	-21.3%
169	20	4404	2.88	2.75	0.43	3.13	2.36	1.70	1.10	2.36	-0.77	-24.6%
170	20	4429	5.16	5.00	0.66	5.20	4.44	3.17	2.09	4.44	-0.76	-14.6%
171	25	4394	22.36	22.56	1.40	22.82	23.42	17.75	12.48	23.42	0.60	2.6%
172	30	4498	3.36	3.32	0.43	3.38	3.66	2.66	1.74	3.66	0.28	8.3%
173	25	4464	4.71	4.86	0.65	4.72	4.56	3.23	2.11	4.56	-0.16	-3.4%
174	120	4499	143.00	144.70	13.72	150.24	138.80	157.98	138.14	157.98	7.74	5.2%
175	30	4402	8.61	8.21	1.05	9.30	9.57	7.01	4.63	9.57	0.27	2.9%
176	25	4464	2.51	2.50	0.20	2.54	2.65	1.91	1.26	2.65	0.11	4.3%
177	25	4464	3.48	3.55	0.40	3.49	3.63	2.54	1.69	3.63	0.14	4.0%
178	25	4464	5.93	6.04	0.48	5.94	6.34	4.51	2.97	6.34	0.40	6.7%
179	20	4404	7.96	7.60	0.99	8.41	7.30	5.28	3.42	7.30	-1.11	-13.2%
180	20	4359	2.52	2.44	0.33	2.70	2.07	1.49	0.96	2.07	-0.63	-23.3%
181	120	4499	146.16	148.23	13.56	154.23	145.35	160.71	141.34	160.71	6.48	4.2%
182	20	4359	2.87	2.75	0.47	3.07	2.33	1.66	1.10	2.33	-0.74	-24.1%
183	25	4394	6.83	6.94	0.79	6.89	7.10	5.01	3.43	7.10	0.21	3.0%
184	20	4359	1.68	1.59	0.30	1.81	1.28	0.92	0.59	1.28	-0.53	-29.3%
185	25	4394	11.86	12.14	1.25	12.05	12.53	8.89	6.02	12.53	0.48	4.0%
186	25	4464	2.92	3.02	0.34	2.94	2.91	2.05	1.33	2.91	-0.03	-1.0%
187	30	4402	3.08	2.91	0.52	3.38	3.28	2.37	1.56	3.28	-0.10	-3.0%
188	25	4464	2.65	2.73	0.22	2.67	2.76	1.97	1.30	2.76	0.09	3.4%
189	30	4402	6.34	6.10	0.94	7.07	6.75	4.89	3.19	6.75	-0.32	-4.5%
190	20	4429	2.40	2.31	0.29	2.41	2.17	1.56	1.00	2.17	-0.24	-10.0%
191	120	4499	146.37	148.46	13.52	154.47	145.61	160.81	141.62	160.81	6.34	4.1%
192	25	4394	15.42	15.47	0.97	15.76	16.94	12.53	8.46	16.94	1.18	7.5%
193	30	4498	28.25	27.91	2.39	28.62	29.76	23.62	16.18	29.76	1.14	4.0%
194	20	4404	2.63	2.59	0.25	2.65	2.41	1.76	1.13	2.41	-0.24	-9.1%
195	15	4392	11.41	11.26	0.46	11.67	10.01	7.47	4.71	10.01	-1.66	-14.2%
196	25	4462	2.73	2.72	0.32	2.73	2.68	1.90	1.26	2.68	-0.05	-1.8%
197	30	4498	44.18	43.55	3.75	44.49	47.15	37.12	24.87	47.15	2.66	6.0%
198	25	4462	14.65	15.06	1.16	14.95	13.60	10.04	6.44	13.60	-1.35	-9.0%
199	120	4499	146.61	148.72	13.47	154.75	145.89	160.92	141.98	160.92	6.17	4.0%
200	20	4429	2.13	2.09	0.20	2.15	2.04	1.42	0.93	2.04	-0.11	-5.1%
201	30	4498	45.70	45.02	3.63	45.96	48.58	38.77	26.09	48.58	2.62	5.7%
202	30	4402	14.87	14.51	2.09	16.29	15.84	11.78	7.57	15.84	-0.45	-2.8%
203	45	4533	46.43	45.90	2.86	46.54	49.22	39.76	26.89	49.22	2.68	5.8%
204	45	4533	13.91	13.80	0.80	13.98	14.79	12.57	8.11	14.79	0.81	5.8%
205	120	4614	148.88	151.18	12.89	156.77	149.11	161.60	144.94	161.60	4.83	3.1%
206	25	4464	2.33	2.34	0.31	2.38	2.30	1.58	1.06	2.30	-0.08	-3.4%
207	45	4533	60.93	60.36	3.84	61.20	64.26	51.59	35.11	64.26	3.06	5.0%
208	30	4498	3.15	3.12	0.39	3.18	3.38	2.47	1.58	3.38	0.20	6.3%
209	120	4614	155.96	156.60	13.29	161.07	161.35	168.11	152.15	168.11	7.04	4.4%
210	20	4404	2.33	2.24	0.30	2.50	1.94	1.40	0.91	1.94	-0.56	-22.4%
211	120	4614	156.52	157.02	13.21	161.39	161.89	168.34	153.17	168.34	6.95	4.3%
212	20	4359	3.45	3.32	0.43	3.62	2.97	2.20	1.36	2.97	-0.65	-18.0%
213	45	4527	63.49	63.21	3.13	63.68	65.63	56.57	38.39	65.63	1.95	3.1%
214	20	4404	4.61	4.39	0.56	4.82	4.32	3.22	2.09	4.32	-0.50	-10.4%
215	120	4614	156.64	157.14	13.18	161.45	161.96	168.37	153.42	168.37	6.92	4.3%
216	45	4496	64.06	63.99	3.01	64.19	65.81	58.98	39.56	65.81	1.62	2.5%
217	120	4614	157.78	158.22	13.02	162.19	163.10	168.89	155.06	168.89	6.70	4.1%
218	1440	4728	0.33	0.29	0.12	0.34	0.09	0.13	0.22	0.22	-0.12	-35.3%
219	20	4404	4.52	4.29	0.56	4.74	4.09	2.95	1.90	4.09	-0.65	-13.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
220	20	4371	2.42	2.30	0.40	2.42	1.87	1.33	0.89	1.87	-0.55	-22.7%
221	20	4371	3.96	3.80	0.66	4.02	3.20	2.23	1.53	3.20	-0.82	-20.4%
222	20	4367	10.35	10.03	1.39	10.39	10.17	7.18	4.84	10.17	-0.22	-2.1%
223	20	4433	9.82	9.92	0.61	9.86	10.34	7.55	5.04	10.34	0.48	4.9%
224	20	4404	3.78	3.68	0.42	3.98	3.39	2.35	1.60	3.39	-0.59	-14.8%
225	20	4371	4.46	4.28	0.67	4.47	3.88	2.77	1.86	3.88	-0.59	-13.2%
226	20	4359	3.13	3.03	0.39	3.34	2.68	1.88	1.26	2.68	-0.66	-19.8%
227	20	4404	8.17	7.87	0.97	8.47	7.35	5.14	3.50	7.35	-1.12	-13.2%
228	20	4359	2.11	2.05	0.28	2.25	1.80	1.26	0.85	1.80	-0.45	-20.0%
229	20	4404	10.81	10.36	1.24	11.40	9.98	7.01	4.74	9.98	-1.42	-12.5%
230	20	4367	4.89	4.73	0.62	4.91	4.60	3.26	2.16	4.60	-0.31	-6.3%
231	30	4504	22.48	21.77	2.89	24.50	24.83	18.65	12.39	24.83	0.33	1.3%
232	25	4462	2.52	2.53	0.31	2.55	2.48	1.76	1.16	2.48	-0.07	-2.7%
233	30	4504	38.84	37.89	2.40	40.02	40.98	35.33	23.70	40.98	0.96	2.4%
234	20	4429	0.70	0.68	0.08	0.71	0.73	0.77	0.56	0.77	0.06	8.5%
235	45	4527	219.67	218.54	7.69	223.25	229.07	213.52	195.13	229.07	5.82	2.6%
236	20	4359	1.56	1.48	0.25	1.65	1.21	0.86	0.58	1.21	-0.44	-26.7%
237	45	4528	40.37	40.61	1.33	40.56	41.58	38.07	25.05	41.58	1.02	2.5%
238	25	4394	4.96	5.04	0.54	5.01	5.26	3.71	2.52	5.26	0.25	5.0%
239	20	4429	0.70	0.68	0.08	0.71	0.73	0.77	0.56	0.77	0.06	8.5%
240	10	4363	3.05	3.08	0.26	3.21	2.02	1.54	0.93	2.02	-1.19	-37.1%
241	45	4527	27.04	26.46	1.81	27.91	29.25	23.18	15.47	29.25	1.34	4.8%
242	25	4462	14.21	14.28	1.19	14.75	14.84	10.91	7.26	14.84	0.09	0.6%
243	45	4527	28.23	28.19	1.50	28.32	29.74	25.54	16.92	29.74	1.42	5.0%
244	20	4359	3.32	3.22	0.40	3.54	3.16	2.23	1.49	3.16	-0.38	-10.7%
245	45	4527	220.59	219.37	7.56	223.96	229.80	214.20	196.49	229.80	5.84	2.6%
246	10	4363	2.66	2.69	0.23	2.79	1.91	1.41	0.89	1.91	-0.88	-31.5%
247	10	4363	4.94	4.97	0.43	5.20	3.17	2.41	1.46	3.17	-2.03	-39.0%
248	20	4359	2.76	2.66	0.52	2.92	2.08	1.52	0.97	2.08	-0.84	-28.8%
249	10	4363	9.57	9.61	0.88	10.06	6.45	4.81	3.03	6.45	-3.61	-35.9%
250	45	4528	41.70	41.92	1.45	41.77	42.01	41.46	26.54	42.01	0.24	0.6%
251	45	4527	220.71	219.43	7.53	224.03	229.86	214.25	196.82	229.86	5.83	2.6%
252	10	4363	5.66	5.69	0.50	5.96	3.71	2.79	1.73	3.71	-2.25	-37.8%
253	20	4367	17.71	17.42	2.05	19.32	18.10	14.40	9.44	18.10	-1.22	-6.3%
254	20	4359	3.67	3.50	0.41	3.83	3.61	2.55	1.70	3.61	-0.22	-5.7%
255	45	4496	251.98	249.79	7.28	252.78	259.67	248.82	218.05	259.67	6.89	2.7%
256	10	4366	12.75	12.75	1.05	13.31	9.53	7.00	4.41	9.53	-3.78	-28.4%
257	30	4497	18.50	18.46	1.49	18.75	18.29	18.02	11.05	18.29	-0.46	-2.5%
258	30	4500	25.67	25.44	1.56	25.94	24.94	25.26	15.85	25.26	-0.68	-2.6%
259	45	4496	252.13	250.03	7.27	252.96	259.77	249.22	218.70	259.77	6.81	2.7%
260	20	4429	5.72	5.46	0.59	5.73	5.23	3.73	2.46	5.23	-0.50	-8.7%
261	20	4359	6.60	6.38	0.77	6.79	6.80	4.98	3.40	6.80	0.01	0.1%
262	25	4458	12.24	12.28	0.88	12.42	12.97	9.52	6.50	12.97	0.55	4.4%
263	60	4360	264.15	261.47	16.46	268.08	271.44	261.96	227.66	271.44	3.36	1.3%
264	20	4359	2.40	2.38	0.31	2.58	2.13	1.49	1.00	2.13	-0.45	-17.4%
265	25	4464	4.35	4.35	0.49	4.42	4.63	3.25	2.20	4.63	0.21	4.8%
266	25	4464	2.75	2.76	0.37	2.79	2.74	1.88	1.28	2.74	-0.05	-1.8%
267	45	4528	6.56	6.42	0.95	6.78	7.18	5.22	3.48	7.18	0.40	5.9%
268	25	4464	2.23	2.26	0.29	2.26	2.22	1.53	1.03	2.22	-0.04	-1.8%
269	25	4464	4.27	4.28	0.43	4.36	4.44	3.11	2.08	4.44	0.08	1.8%
270	25	4462	2.51	2.53	0.32	2.56	2.55	1.77	1.20	2.55	-0.01	-0.4%
271	30	4402	9.50	9.20	1.28	9.99	10.57	7.62	5.10	10.57	0.58	5.8%
272	45	4528	4.90	4.87	0.62	5.05	5.66	4.26	2.84	5.66	0.61	12.1%
273	45	4528	6.10	6.02	0.77	6.42	6.78	4.84	3.24	6.78	0.36	5.6%
274	25	4464	2.56	2.61	0.34	2.59	2.54	1.75	1.18	2.54	-0.05	-1.9%
275	25	4394	9.69	9.81	0.86	9.71	10.18	7.20	4.82	10.18	0.47	4.8%
276	20	4404	0.98	0.94	0.20	1.10	0.75	0.54	0.34	0.75	-0.35	-31.8%
277	25	4464	12.19	12.42	1.15	12.40	12.85	9.02	6.06	12.85	0.45	3.6%
278	30	4402	7.06	6.97	0.82	7.54	7.84	5.72	3.85	7.84	0.30	4.0%
279	25	4464	12.88	13.13	1.21	13.06	14.04	9.92	6.64	14.04	0.98	7.5%
280	45	4528	3.34	3.33	0.43	3.41	3.85	2.92	1.95	3.85	0.44	12.9%
281	45	4528	11.79	11.84	1.37	12.43	13.21	9.90	6.73	13.21	0.78	6.3%
282	25	4464	4.08	4.06	0.44	4.16	4.22	2.96	1.98	4.22	0.06	1.4%
283	45	4533	9.77	9.83	0.81	9.93	11.01	8.45	5.74	11.01	1.08	10.9%
284	25	4464	5.48	5.50	0.47	5.55	5.92	4.30	2.87	5.92	0.37	6.7%
285	25	4464	2.22	2.23	0.29	2.26	2.22	1.52	1.03	2.22	-0.04	-1.8%
286	45	4528	11.64	11.47	1.39	12.04	13.15	9.44	6.38	13.15	1.11	9.2%
287	45	4533	11.92	11.90	0.71	12.10	12.99	10.94	7.46	12.99	0.89	7.4%
288	45	4528	31.55	31.30	2.51	32.58	34.67	28.15	19.41	34.67	2.09	6.4%
289	45	4528	4.19	4.15	0.57	4.27	4.72	3.56	2.35	4.72	0.45	10.5%
290	45	4528	2.76	2.75	0.37	2.81	3.13	2.38	1.57	3.13	0.32	11.4%
291	30	4502	4.02	4.05	0.45	4.12	4.44	3.24	2.14	4.44	0.32	7.8%
292	45	4533	34.75	34.48	2.28	35.31	38.19	32.35	22.20	38.19	2.88	8.2%
293	45	4528	13.25	13.29	0.71	13.55	14.64	12.39	8.43	14.64	1.09	8.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
294	45	4533	22.53	22.36	2.41	23.36	25.00	18.57	12.50	25.00	1.64	7.0%
295	60	4559	29.36	28.74	3.88	31.52	33.88	36.97	21.54	36.97	5.45	17.3%
296	20	4433	26.51	26.50	0.67	26.52	26.67	26.80	25.13	26.80	0.28	1.1%
297	20	4433	28.50	28.44	0.81	28.53	28.61	28.05	25.94	28.61	0.08	0.3%
298	20	4371	18.28	17.91	3.07	18.41	15.76	11.17	7.47	15.76	-2.65	-14.4%
299	60	4559	1.30	1.30	0.02	1.31	1.32	1.34	1.22	1.34	0.03	2.3%
300	25	4462	4.30	4.31	0.55	4.35	4.38	3.09	2.10	4.38	0.03	0.7%
301	25	4464	7.88	8.11	0.88	7.95	8.20	5.72	3.86	8.20	0.25	3.1%
302	30	4402	18.83	18.49	2.53	20.74	20.51	14.96	10.10	20.51	-0.23	-1.1%
303	25	4461	6.62	6.78	0.58	6.68	6.84	4.93	3.26	6.84	0.16	2.4%
304	20	4399	4.76	4.77	0.43	4.76	4.63	3.27	2.14	4.63	-0.13	-2.7%
305	30	4402	13.65	12.93	1.73	14.87	14.34	10.63	7.22	14.34	-0.53	-3.6%
306	30	4402	10.15	9.93	1.19	11.26	11.13	8.27	5.36	11.13	-0.13	-1.2%
307	1440	4661	0.11	0.10	0.03	0.18	0.03	0.04	0.08	0.08	-0.10	-55.6%
308	45	4527	27.89	27.87	1.57	28.21	29.52	24.52	16.56	29.52	1.31	4.6%
309	25	4462	13.98	14.09	1.26	14.50	14.48	10.53	7.02	14.48	-0.02	-0.1%
310	45	4496	252.10	250.00	7.27	252.93	259.75	249.16	218.61	259.75	6.82	2.7%
311	30	4457	24.92	25.02	1.59	25.12	22.84	24.48	14.88	24.48	-0.64	-2.5%
312	20	4429	5.48	5.23	0.56	5.52	4.95	3.50	2.31	4.95	-0.57	-10.3%
313	20	4359	4.85	4.70	0.62	4.93	4.52	3.19	2.12	4.52	-0.41	-8.3%
314	30	4504	22.11	21.44	2.99	24.32	24.52	18.02	11.98	24.52	0.20	0.8%
315	20	4371	8.80	8.37	1.39	8.93	7.33	5.09	3.50	7.33	-1.60	-17.9%
316	20	4404	6.26	6.03	0.72	6.40	5.93	4.15	2.82	5.93	-0.47	-7.3%
317	30	4498	27.89	27.54	2.45	28.27	29.40	23.25	15.93	29.40	1.13	4.0%
318	25	4394	15.34	15.40	0.99	15.71	16.82	12.43	8.39	16.82	1.11	7.1%
319	360	4694	5.26	5.22	0.48	5.47	2.59	3.92	4.58	4.58	-0.89	-16.3%
320	360	4406	4.66	4.65	0.31	4.68	3.18	3.92	4.23	4.23	-0.45	-9.6%
321	360	4406	4.63	4.60	0.27	4.63	3.78	4.00	4.41	4.41	-0.22	-4.8%
322	360	4694	4.57	4.55	0.26	4.58	3.92	3.99	4.37	4.37	-0.21	-4.6%
323	360	4596	3.90	3.90	0.14	3.90	3.77	3.88	3.75	3.88	-0.02	-0.5%
324	360	4596	3.88	3.88	0.14	3.88	3.77	3.88	3.73	3.88	0.00	0.0%
325	45	4528	24.16	23.69	2.57	24.79	26.85	20.01	13.66	26.85	2.06	8.3%
326	30	4402	19.93	19.67	2.43	21.89	22.09	16.20	11.03	22.09	0.20	0.9%
327	20	4359	4.08	3.87	0.69	4.32	3.18	2.26	1.51	3.18	-1.14	-26.4%
328	20	4359	3.62	3.51	0.43	3.81	3.31	2.32	1.57	3.31	-0.50	-13.1%
329	20	4429	1.10	1.09	0.11	1.13	1.00	0.70	0.46	1.00	-0.13	-11.5%
330	45	4528	13.14	12.85	0.97	13.74	14.24	11.52	7.44	14.24	0.50	3.6%
331	10	4363	10.61	10.49	0.25	10.78	8.81	6.51	4.11	8.81	-1.97	-18.3%
332	20	4404	6.98	6.65	0.87	7.45	5.99	4.27	2.81	5.99	-1.46	-19.6%
333	20	4359	2.36	2.24	0.40	2.50	1.81	1.28	0.85	1.81	-0.69	-27.6%
334	30	4402	17.53	16.97	2.51	19.44	18.88	13.63	9.16	18.88	-0.56	-2.9%
335	20	4359	2.43	2.36	0.37	2.60	1.97	1.39	0.93	1.97	-0.63	-24.2%
336	20	4359	4.75	4.62	0.57	5.03	4.06	2.86	1.92	4.06	-0.97	-19.3%
337	20	4404	2.96	2.84	0.40	3.20	2.38	1.69	1.12	2.38	-0.82	-25.6%
338	20	4371	3.33	3.18	0.52	3.40	2.75	1.92	1.31	2.75	-0.65	-19.1%
339	20	4371	5.65	5.47	0.98	5.72	4.43	3.12	2.12	4.43	-1.29	-22.6%
340	20	4371	5.20	5.11	0.69	5.22	4.94	3.48	2.35	4.94	-0.28	-5.4%
341	25	4462	2.54	2.52	0.31	2.57	2.60	1.82	1.22	2.60	0.03	1.2%
342	60	4559	29.69	29.04	3.84	31.82	34.11	37.51	22.09	37.51	5.69	17.9%
343	20	4371	18.83	18.37	3.10	18.87	16.49	11.69	7.80	16.49	-2.38	-12.6%
344	25	4462	6.52	6.58	0.78	6.69	6.65	4.66	3.21	6.65	-0.04	-0.6%
345	20	4371	1.85	1.82	0.25	1.87	1.62	1.13	0.77	1.62	-0.25	-13.4%
346	20	4359	1.61	1.54	0.26	1.71	1.27	0.89	0.60	1.27	-0.44	-25.7%
347	20	4359	2.34	2.24	0.39	2.52	1.80	1.27	0.85	1.80	-0.72	-28.6%
348	25	4461	13.90	14.26	1.24	14.12	14.96	10.82	7.25	14.96	0.84	5.9%
349	30	4402	14.22	13.70	2.15	15.69	15.02	11.02	7.09	15.02	-0.67	-4.3%
350	20	4359	4.01	3.88	0.65	4.11	3.30	2.32	1.56	3.30	-0.81	-19.7%
351	45	4527	61.72	61.15	3.63	63.12	64.75	53.08	36.03	64.75	1.63	2.6%
352	20	4429	5.85	5.67	0.73	5.90	5.00	3.69	2.33	5.00	-0.90	-15.3%
353	20	4359	6.86	6.51	1.28	7.18	4.97	3.71	2.32	4.97	-2.21	-30.8%
354	25	4460	2.00	2.02	0.28	2.02	1.92	1.36	0.88	1.92	-0.10	-5.0%
355	45	4362	40.94	41.03	1.35	40.96	41.71	39.71	25.52	41.71	0.75	1.8%
356	45	4528	41.39	41.53	1.41	41.47	41.87	40.64	26.06	41.87	0.40	1.0%
357	20	4359	2.18	2.15	0.24	2.31	2.01	1.39	0.94	2.01	-0.30	-13.0%
358	20	4404	17.16	16.67	2.11	17.45	17.74	12.67	8.60	17.74	0.29	1.7%
359	20	4367	14.93	14.49	2.21	15.27	14.48	10.26	7.02	14.48	-0.79	-5.2%
360	20	4404	17.57	17.09	2.07	17.59	18.02	13.38	9.06	18.02	0.43	2.4%
361	45	4533	10.89	10.92	0.79	11.24	12.01	9.80	7.21	12.01	0.77	6.9%
362	20	4359	3.15	3.09	0.42	3.36	2.66	1.87	1.25	2.66	-0.70	-20.8%
363	20	4371	2.12	2.06	0.29	2.12	1.78	1.25	0.83	1.78	-0.34	-16.0%
364	20	4371	2.12	2.03	0.33	2.12	1.69	1.19	0.80	1.69	-0.43	-20.3%
365	20	4359	2.59	2.55	0.39	2.82	2.20	1.56	1.05	2.20	-0.62	-22.0%
366	20	4371	2.39	2.27	0.39	2.39	1.87	1.34	0.88	1.87	-0.52	-21.8%
367	360	4406	6.61	6.66	0.89	6.70	6.24	5.01	5.57	6.24	-0.46	-6.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
368	20	4359	2.09	2.00	0.36	2.27	1.58	1.13	0.74	1.58	-0.69	-30.4%
369	20	4429	5.74	5.56	0.59	5.76	5.67	3.91	2.72	5.67	-0.09	-1.6%
370	20	4404	3.40	3.33	0.41	3.63	3.15	2.21	1.50	3.15	-0.48	-13.2%
371	20	4371	2.46	2.34	0.39	2.50	2.02	1.41	0.96	2.02	-0.48	-19.2%
372	20	4359	2.28	2.20	0.37	2.45	1.77	1.27	0.84	1.77	-0.68	-27.8%
373	20	4429	4.83	4.58	0.60	4.83	4.06	2.93	1.90	4.06	-0.77	-15.9%
374	20	4367	1.63	1.55	0.35	1.63	1.16	0.88	0.53	1.16	-0.47	-28.8%
375	25	4464	4.71	4.72	0.46	4.81	4.94	3.48	2.32	4.94	0.13	2.7%
376	20	4429	3.61	3.57	0.31	3.63	3.52	2.41	1.65	3.52	-0.11	-3.0%
377	20	4404	21.66	20.68	2.91	22.44	21.19	15.38	10.25	21.19	-1.25	-5.6%
378	90	4588	132.73	134.88	4.90	134.57	121.50	151.82	128.06	151.82	17.25	12.8%
379	20	4359	1.19	1.13	0.21	1.28	0.89	0.64	0.41	0.89	-0.39	-30.5%
380	20	4359	8.67	8.54	0.53	9.21	8.84	6.34	4.27	8.84	-0.37	-4.0%
381	25	4464	1.70	1.70	0.23	1.72	1.70	1.16	0.80	1.70	-0.02	-1.2%
382	25	4460	2.45	2.47	0.30	2.46	2.47	1.73	1.16	2.47	0.01	0.4%
383	20	4429	0.56	0.54	0.09	0.56	0.45	0.32	0.21	0.45	-0.11	-19.6%
384	25	4394	26.21	26.16	1.11	26.73	27.59	21.29	14.63	27.59	0.86	3.2%
385	45	4533	60.92	60.35	3.85	61.20	64.26	51.56	35.10	64.26	3.06	5.0%
386	25	4464	4.10	4.02	0.47	4.14	4.29	3.09	2.05	4.29	0.15	3.6%
387	25	4462	2.30	2.28	0.23	2.34	2.46	1.76	1.17	2.46	0.12	5.1%
388	25	4394	9.64	9.75	0.86	9.67	10.13	7.16	4.79	10.13	0.46	4.8%
389	60	4559	76.70	75.85	3.24	78.62	80.64	86.87	60.40	86.87	8.25	10.5%
390	20	4359	0.54	0.50	0.12	0.59	0.39	0.29	0.18	0.39	-0.20	-33.9%
391	20	4429	3.34	3.30	0.32	3.41	3.13	2.20	1.45	3.13	-0.28	-8.2%
392	20	4429	1.23	1.21	0.17	1.23	1.04	0.74	0.49	1.04	-0.19	-15.4%
393	20	4429	0.62	0.60	0.10	0.62	0.50	0.36	0.23	0.50	-0.12	-19.4%
394	20	4371	2.25	2.20	0.32	2.30	2.09	1.46	0.99	2.09	-0.21	-9.1%
395	20	4359	3.28	3.18	0.47	3.58	2.59	1.84	1.22	2.59	-0.99	-27.7%
396	20	4359	1.95	1.88	0.31	2.08	1.54	1.09	0.73	1.54	-0.54	-26.0%
397	45	4528	26.92	26.31	1.85	27.85	29.20	23.01	15.33	29.20	1.35	4.8%
398	20	4359	0.64	0.61	0.11	0.69	0.49	0.34	0.22	0.49	-0.20	-29.0%
399	20	4359	0.29	0.27	0.06	0.32	0.21	0.16	0.10	0.21	-0.11	-34.4%
400	360	4720	0.53	0.53	0.03	0.53	0.39	0.50	0.47	0.50	-0.03	-5.7%
401	25	4462	4.22	4.24	0.51	4.29	4.40	3.08	2.09	4.40	0.11	2.6%
402	20	4359	2.66	2.57	0.50	2.82	1.97	1.44	0.92	1.97	-0.85	-30.1%
403	20	4359	1.97	1.88	0.34	2.13	1.49	1.06	0.70	1.49	-0.64	-30.0%
404	25	4461	12.52	12.72	1.25	12.68	12.34	8.80	5.81	12.34	-0.34	-2.7%
405	20	4371	5.37	5.10	0.85	5.39	4.34	3.10	2.07	4.34	-1.05	-19.5%
406	20	4359	3.98	3.82	0.62	4.26	3.15	2.24	1.47	3.15	-1.11	-26.1%
407	60	4559	76.69	75.85	3.24	78.61	80.63	86.86	60.36	86.86	8.25	10.5%
408	60	4558	14.86	14.78	1.60	14.90	16.99	14.98	10.93	16.99	2.09	14.0%
409	60	4558	15.06	14.99	1.47	15.12	16.96	15.40	11.24	16.96	1.84	12.2%
410	60	4557	25.82	25.66	2.64	26.89	30.29	25.81	18.82	30.29	3.40	12.6%
411	25	4464	2.65	2.60	0.29	2.68	2.80	2.02	1.34	2.80	0.12	4.5%
412	25	4464	3.58	3.58	0.37	3.65	3.71	2.60	1.74	3.71	0.06	1.6%
413	20	4371	3.26	3.22	0.42	3.32	3.16	2.21	1.50	3.16	-0.16	-4.8%
414	20	4371	4.97	4.79	0.78	4.99	4.02	2.84	1.92	4.02	-0.97	-19.4%
415	20	4371	5.00	4.77	0.78	5.11	4.32	3.04	2.07	4.32	-0.79	-15.5%
416	20	4359	1.38	1.32	0.23	1.48	1.05	0.74	0.49	1.05	-0.43	-29.1%
417	20	4359	1.62	1.54	0.30	1.76	1.22	0.88	0.57	1.22	-0.54	-30.7%
418	20	4404	3.01	2.99	0.30	3.03	2.79	1.99	1.28	2.79	-0.24	-7.9%
419	30	4402	10.12	9.83	1.37	11.15	10.97	7.83	5.29	10.97	-0.18	-1.6%
420	45	4534	35.24	35.63	1.18	35.62	37.80	40.34	28.21	40.34	4.72	13.3%
421	20	4359	1.26	1.19	0.22	1.35	0.95	0.69	0.44	0.95	-0.40	-29.6%
422	20	4359	12.22	12.03	2.03	12.49	10.97	7.91	5.34	10.97	-1.52	-12.2%
423	20	4371	6.19	5.97	1.03	6.34	5.26	3.71	2.52	5.26	-1.08	-17.0%
424	20	4371	4.99	4.77	0.81	5.11	4.24	2.98	2.03	4.24	-0.87	-17.0%
425	10	4363	1.22	1.23	0.10	1.26	0.76	0.59	0.35	0.76	-0.50	-39.7%
426	20	4429	1.53	1.51	0.15	1.54	1.45	1.00	0.68	1.45	-0.09	-5.8%
427	20	4371	2.35	2.31	0.35	2.36	2.00	1.40	0.95	2.00	-0.36	-15.3%
428	20	4359	2.64	2.51	0.48	2.81	1.98	1.43	0.93	1.98	-0.83	-29.5%
429	45	4533	40.44	40.05	3.57	41.08	44.52	34.90	23.59	44.52	3.44	8.4%
430	20	4359	0.68	0.64	0.15	0.74	0.49	0.36	0.22	0.49	-0.25	-33.8%
431	20	4359	2.01	1.90	0.35	2.15	1.52	1.09	0.71	1.52	-0.63	-29.3%
432	20	4359	1.38	1.30	0.26	1.49	1.02	0.75	0.47	1.02	-0.47	-31.5%
433	20	4404	2.73	2.58	0.43	2.93	2.07	1.54	0.96	2.07	-0.86	-29.4%
434	20	4359	2.06	2.00	0.33	2.22	1.63	1.15	0.78	1.63	-0.59	-26.6%
435	20	4404	1.00	0.96	0.16	1.09	0.77	0.56	0.35	0.77	-0.32	-29.4%
436	45	4528	10.54	10.54	0.84	10.91	11.67	9.40	6.89	11.67	0.76	7.0%
437	45	4528	9.30	9.28	0.76	9.57	10.38	8.20	5.99	10.38	0.81	8.5%
438	45	4528	8.94	8.93	0.78	9.19	9.90	7.78	5.68	9.90	0.71	7.7%
439	45	4528	8.80	8.79	0.79	9.01	9.71	7.59	5.56	9.71	0.70	7.8%
440	45	4533	7.43	7.39	0.67	7.66	8.15	6.25	4.61	8.15	0.49	6.4%
441	45	4528	7.31	7.26	0.68	7.54	8.03	6.11	4.50	8.03	0.49	6.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
442	30	4402	6.91	6.69	0.81	7.42	7.56	5.68	4.22	7.56	0.14	1.9%
443	45	4533	11.22	11.27	0.77	11.60	12.35	10.19	7.57	12.35	0.75	6.5%
444	45	4533	11.30	11.35	0.75	11.67	12.42	10.30	7.68	12.42	0.75	6.4%
445	20	4429	1.01	1.00	0.10	1.03	0.92	0.65	0.43	0.92	-0.11	-10.7%
446	20	4429	0.67	0.65	0.08	0.68	0.57	0.41	0.27	0.57	-0.11	-16.2%
447	20	4429	2.73	2.68	0.27	2.75	2.74	1.92	1.29	2.74	-0.01	-0.4%
448	25	4464	1.71	1.71	0.23	1.73	1.71	1.17	0.80	1.71	-0.02	-1.2%
449	20	4429	1.52	1.50	0.16	1.54	1.38	0.98	0.65	1.38	-0.16	-10.4%
450	20	4359	0.13	0.12	0.03	0.14	0.09	0.07	0.04	0.09	-0.05	-35.7%
451	20	4404	0.61	0.58	0.11	0.67	0.49	0.35	0.23	0.49	-0.18	-26.9%
452	20	4359	0.35	0.34	0.07	0.39	0.27	0.20	0.12	0.27	-0.12	-30.8%
453	30	4503	4.36	4.36	0.39	4.39	4.87	3.61	2.38	4.87	0.48	10.9%
454	20	4359	1.04	1.02	0.17	1.13	0.84	0.59	0.39	0.84	-0.29	-25.7%
455	45	4528	4.45	4.35	0.57	4.61	5.07	3.76	2.49	5.07	0.46	10.0%
456	25	4460	0.19	0.20	0.02	0.20	0.20	0.14	0.09	0.20	0.00	0.0%
457	20	4359	1.08	1.07	0.17	1.19	0.91	0.65	0.44	0.91	-0.28	-23.5%
458	20	4359	0.39	0.36	0.09	0.42	0.28	0.21	0.13	0.28	-0.14	-33.3%
459	20	4359	1.23	1.18	0.22	1.37	0.94	0.67	0.43	0.94	-0.43	-31.4%
460	20	4359	2.09	2.01	0.36	2.27	1.59	1.14	0.74	1.59	-0.68	-30.0%
461	20	4404	2.73	2.62	0.40	2.98	2.17	1.55	1.01	2.17	-0.81	-27.2%
462	20	4371	1.26	1.24	0.18	1.27	1.12	0.78	0.53	1.12	-0.15	-11.8%
463	20	4359	0.52	0.50	0.10	0.57	0.39	0.28	0.18	0.39	-0.18	-31.6%
464	20	4404	0.70	0.68	0.11	0.75	0.59	0.41	0.27	0.59	-0.16	-21.3%
465	20	4404	0.22	0.21	0.05	0.25	0.17	0.12	0.07	0.17	-0.08	-32.0%
466	20	4429	0.75	0.74	0.08	0.77	0.66	0.47	0.31	0.66	-0.11	-14.3%
467	20	4429	2.99	2.94	0.30	3.05	2.80	1.97	1.30	2.80	-0.25	-8.2%
468	20	4359	2.06	1.97	0.36	2.23	1.57	1.12	0.74	1.57	-0.66	-29.6%
469	20	4359	1.24	1.18	0.23	1.35	0.93	0.67	0.43	0.93	-0.42	-31.1%
470	20	4359	0.74	0.71	0.14	0.82	0.56	0.40	0.25	0.56	-0.26	-31.7%
471	20	4359	0.60	0.57	0.11	0.66	0.45	0.33	0.20	0.45	-0.21	-31.8%
472	20	4359	0.45	0.43	0.09	0.50	0.34	0.24	0.15	0.34	-0.16	-32.0%
473	20	4404	0.73	0.71	0.12	0.80	0.57	0.41	0.26	0.57	-0.23	-28.8%
474	20	4359	2.64	2.55	0.40	2.81	2.13	1.51	1.02	2.13	-0.68	-24.2%
475	20	4359	2.28	2.20	0.36	2.47	1.79	1.27	0.85	1.79	-0.68	-27.5%
476	20	4359	0.24	0.23	0.05	0.27	0.18	0.14	0.08	0.18	-0.09	-33.3%
477	20	4359	0.33	0.31	0.08	0.35	0.23	0.17	0.10	0.23	-0.12	-34.3%
478	20	4359	0.71	0.68	0.13	0.78	0.53	0.38	0.24	0.53	-0.25	-32.1%
479	20	4404	1.14	1.10	0.16	1.24	0.90	0.64	0.42	0.90	-0.34	-27.4%
480	20	4359	2.66	2.57	0.34	2.86	2.19	1.56	1.02	2.19	-0.67	-23.4%
481	20	4359	3.02	2.86	0.36	3.19	2.70	1.91	1.25	2.70	-0.49	-15.4%
482	20	4429	0.07	0.07	0.01	0.08	0.06	0.05	0.03	0.06	-0.02	-25.0%
483	20	4429	0.25	0.25	0.03	0.26	0.22	0.15	0.10	0.22	-0.04	-15.4%
484	25	4464	0.50	0.51	0.07	0.51	0.49	0.34	0.23	0.49	-0.02	-3.9%
485	20	4359	1.28	1.22	0.22	1.39	0.97	0.69	0.45	0.97	-0.42	-30.2%
486	20	4359	1.34	1.29	0.20	1.46	1.06	0.76	0.49	1.06	-0.40	-27.4%
487	20	4359	0.24	0.22	0.05	0.26	0.17	0.13	0.08	0.17	-0.09	-34.6%
488	20	4359	0.31	0.30	0.07	0.35	0.23	0.16	0.10	0.23	-0.12	-34.3%
489	20	4359	2.67	2.62	0.36	2.86	2.35	1.63	1.11	2.35	-0.51	-17.8%
490	20	4359	0.12	0.11	0.03	0.12	0.08	0.06	0.04	0.08	-0.04	-33.3%
491	20	4429	0.43	0.42	0.06	0.44	0.36	0.26	0.17	0.36	-0.08	-18.2%
492	25	4394	0.84	0.87	0.11	0.85	0.84	0.58	0.38	0.84	-0.01	-1.2%
493	20	4359	0.14	0.13	0.03	0.16	0.10	0.08	0.05	0.10	-0.06	-37.5%
494	20	4429	0.29	0.28	0.05	0.29	0.22	0.16	0.11	0.22	-0.07	-24.1%
495	20	4359	0.37	0.35	0.08	0.41	0.28	0.20	0.13	0.28	-0.13	-31.7%
496	20	4359	0.45	0.42	0.09	0.50	0.33	0.25	0.15	0.33	-0.17	-34.0%
497	20	4359	1.07	1.06	0.14	1.14	0.96	0.66	0.45	0.96	-0.18	-15.8%
498	20	4429	0.56	0.55	0.06	0.57	0.51	0.35	0.24	0.51	-0.06	-10.5%
499	20	4429	0.52	0.50	0.09	0.52	0.41	0.29	0.19	0.41	-0.11	-21.2%
500	20	4359	0.55	0.52	0.11	0.61	0.40	0.29	0.18	0.40	-0.21	-34.4%
501	20	4359	0.64	0.61	0.12	0.70	0.48	0.34	0.22	0.48	-0.22	-31.4%
502	20	4404	21.86	20.92	2.89	22.54	21.48	15.79	10.50	21.48	-1.06	-4.7%
503	20	4359	0.86	0.84	0.15	0.95	0.67	0.49	0.32	0.67	-0.28	-29.5%
504	20	4359	1.18	1.14	0.18	1.26	0.94	0.66	0.44	0.94	-0.32	-25.4%
505	20	4429	0.47	0.46	0.07	0.48	0.38	0.28	0.18	0.38	-0.10	-20.8%
506	20	4359	0.36	0.34	0.07	0.40	0.26	0.19	0.12	0.26	-0.14	-35.0%
507	25	4464	0.60	0.61	0.09	0.60	0.58	0.40	0.27	0.58	-0.02	-3.3%
508	20	4429	0.32	0.31	0.04	0.33	0.27	0.19	0.12	0.27	-0.06	-18.2%
509	20	4429	0.94	0.93	0.09	0.96	0.87	0.60	0.40	0.87	-0.09	-9.4%
510	20	4429	3.27	3.18	0.34	3.30	2.95	2.08	1.38	2.95	-0.35	-10.6%
511	20	4404	4.03	3.90	0.40	4.15	3.79	2.65	1.76	3.79	-0.36	-8.7%
512	20	4404	4.18	4.05	0.40	4.34	3.98	2.79	1.87	3.98	-0.36	-8.3%
513	20	4371	2.16	2.08	0.31	2.19	1.87	1.29	0.89	1.87	-0.32	-14.6%
514	20	4359	0.78	0.73	0.17	0.84	0.56	0.42	0.25	0.56	-0.28	-33.3%
515	20	4359	1.01	0.98	0.16	1.09	0.78	0.56	0.37	0.78	-0.31	-28.4%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
516	20	4359	0.38	0.36	0.08	0.42	0.28	0.20	0.13	0.28	-0.14	-33.3%
517	20	4359	0.44	0.41	0.10	0.48	0.32	0.24	0.14	0.32	-0.16	-33.3%
518	20	4429	1.21	1.20	0.13	1.22	1.10	0.76	0.51	1.10	-0.12	-9.8%
519	20	4359	1.26	1.23	0.19	1.35	1.05	0.74	0.50	1.05	-0.30	-22.2%
520	20	4429	1.79	1.77	0.15	1.81	1.71	1.20	0.79	1.71	-0.10	-5.5%
521	20	4359	0.44	0.44	0.07	0.48	0.37	0.26	0.17	0.37	-0.11	-22.9%
522	20	4359	0.54	0.53	0.09	0.59	0.44	0.32	0.21	0.44	-0.15	-25.4%
523	20	4404	0.60	0.57	0.12	0.68	0.46	0.33	0.21	0.46	-0.22	-32.4%
524	25	4394	0.82	0.84	0.12	0.82	0.78	0.56	0.35	0.78	-0.04	-4.9%
525	10	4363	2.50	2.53	0.21	2.61	1.54	1.21	0.71	1.54	-1.07	-41.0%
526	20	4359	0.63	0.59	0.12	0.68	0.46	0.34	0.21	0.46	-0.22	-32.4%
527	20	4404	3.05	3.00	0.36	3.25	2.80	1.93	1.30	2.80	-0.45	-13.8%
528	10	4361	0.52	0.52	0.03	0.52	0.34	0.27	0.15	0.34	-0.18	-34.6%
529	15	4358	0.18	0.17	0.03	0.18	0.12	0.09	0.05	0.12	-0.06	-33.3%
530	20	4359	1.45	1.41	0.19	1.56	1.19	0.84	0.56	1.19	-0.37	-23.7%
531	20	4359	0.54	0.50	0.12	0.58	0.38	0.29	0.17	0.38	-0.20	-34.5%
532	20	4359	0.10	0.10	0.02	0.11	0.07	0.06	0.03	0.07	-0.04	-36.4%
533	20	4359	1.00	0.95	0.21	1.11	0.74	0.55	0.34	0.74	-0.37	-33.3%
534	15	4393	1.51	1.47	0.24	1.57	1.05	0.79	0.48	1.05	-0.52	-33.1%
535	20	4429	1.02	1.01	0.09	1.04	0.97	0.67	0.45	0.97	-0.07	-6.7%
536	20	4429	1.09	1.07	0.12	1.10	1.00	0.70	0.47	1.00	-0.10	-9.1%
537	20	4429	0.97	0.96	0.09	0.99	0.89	0.62	0.41	0.89	-0.10	-10.1%
538	20	4359	0.12	0.11	0.03	0.13	0.09	0.07	0.04	0.09	-0.04	-30.8%
539	20	4404	0.31	0.29	0.07	0.35	0.23	0.17	0.10	0.23	-0.12	-34.3%
540	20	4404	0.48	0.45	0.09	0.53	0.38	0.28	0.17	0.38	-0.15	-28.3%
541	20	4429	1.17	1.15	0.14	1.20	1.03	0.74	0.47	1.03	-0.17	-14.2%
542	20	4429	0.59	0.56	0.09	0.60	0.48	0.34	0.22	0.48	-0.12	-20.0%
543	25	4464	2.43	2.50	0.29	2.44	2.44	1.71	1.14	2.44	0.00	0.0%
544	20	4429	0.63	0.61	0.09	0.64	0.51	0.37	0.24	0.51	-0.13	-20.3%
545	20	4429	1.24	1.22	0.14	1.27	1.13	0.81	0.52	1.13	-0.14	-11.0%
546	20	4429	1.38	1.35	0.14	1.41	1.28	0.90	0.58	1.28	-0.13	-9.2%
547	20	4429	2.50	2.45	0.27	2.52	2.36	1.65	1.10	2.36	-0.16	-6.3%
548	20	4429	2.64	2.58	0.29	2.64	2.51	1.76	1.18	2.51	-0.13	-4.9%
549	20	4429	1.72	1.70	0.17	1.78	1.60	1.14	0.73	1.60	-0.18	-10.1%
550	25	4464	2.83	2.93	0.34	2.83	2.81	1.98	1.28	2.81	-0.02	-0.7%
551	30	4402	6.20	5.94	0.95	6.93	6.55	4.70	3.08	6.55	-0.38	-5.5%
552	30	4402	6.32	6.07	0.94	7.05	6.72	4.85	3.16	6.72	-0.33	-4.7%
553	25	4394	2.29	2.37	0.26	2.37	2.29	1.62	1.07	2.29	-0.08	-3.4%
554	20	4429	0.30	0.28	0.05	0.30	0.24	0.17	0.11	0.24	-0.06	-20.0%
555	20	4429	0.98	0.97	0.09	1.00	0.89	0.63	0.41	0.89	-0.11	-11.0%
556	45	4528	11.63	11.28	1.04	12.11	12.92	9.78	6.32	12.92	0.81	6.7%
557	45	4534	10.66	10.42	0.98	11.05	11.78	8.84	5.72	11.78	0.73	6.6%
558	20	4429	1.49	1.47	0.14	1.52	1.40	0.98	0.65	1.40	-0.12	-7.9%
559	25	4394	0.97	1.00	0.15	0.98	0.93	0.66	0.43	0.93	-0.05	-5.1%
560	20	4429	0.70	0.69	0.09	0.72	0.59	0.43	0.27	0.59	-0.13	-18.1%
561	20	4359	0.30	0.27	0.07	0.32	0.21	0.16	0.10	0.21	-0.11	-34.4%
562	20	4359	0.56	0.53	0.09	0.61	0.42	0.32	0.20	0.42	-0.19	-31.1%
563	15	4393	0.88	0.85	0.14	0.91	0.58	0.44	0.26	0.58	-0.33	-36.3%
564	15	4396	0.41	0.39	0.07	0.43	0.27	0.21	0.12	0.27	-0.16	-37.2%
565	20	4429	1.05	1.00	0.15	1.05	0.88	0.64	0.40	0.88	-0.17	-16.2%
566	20	4429	1.64	1.61	0.18	1.67	1.52	1.08	0.69	1.52	-0.15	-9.0%
567	25	4464	1.84	1.91	0.26	1.85	1.75	1.24	0.80	1.75	-0.10	-5.4%
568	25	4394	2.29	2.38	0.29	2.37	2.25	1.59	1.04	2.25	-0.12	-5.1%
569	20	4429	0.39	0.38	0.05	0.40	0.34	0.24	0.16	0.34	-0.06	-15.0%
570	25	4394	2.75	2.83	0.31	2.82	2.75	1.95	1.27	2.75	-0.07	-2.5%
571	20	4404	0.37	0.35	0.07	0.41	0.29	0.21	0.13	0.29	-0.12	-29.3%
572	20	4429	1.03	0.98	0.12	1.05	0.83	0.62	0.38	0.83	-0.22	-21.0%
573	20	4359	1.58	1.51	0.33	1.65	1.12	0.85	0.51	1.12	-0.53	-32.1%
574	20	4359	0.71	0.68	0.14	0.77	0.51	0.38	0.23	0.51	-0.26	-33.8%
575	20	4429	0.65	0.64	0.10	0.66	0.53	0.38	0.25	0.53	-0.13	-19.7%
576	20	4429	0.28	0.27	0.04	0.29	0.23	0.16	0.10	0.23	-0.06	-20.7%
577	25	4394	0.66	0.67	0.09	0.66	0.64	0.45	0.30	0.64	-0.02	-3.0%
578	20	4429	0.30	0.30	0.04	0.31	0.25	0.18	0.12	0.25	-0.06	-19.4%
579	20	4404	3.41	3.17	0.49	3.65	2.84	2.08	1.31	2.84	-0.81	-22.2%
580	20	4429	0.24	0.23	0.04	0.24	0.19	0.14	0.09	0.19	-0.05	-20.8%
581	25	4462	13.98	14.32	1.23	14.20	12.69	9.40	6.01	12.69	-1.51	-10.6%
582	20	4359	0.72	0.68	0.15	0.79	0.53	0.39	0.24	0.53	-0.26	-32.9%
583	20	4359	0.51	0.47	0.11	0.56	0.37	0.28	0.17	0.37	-0.19	-33.9%
584	20	4359	0.99	0.93	0.20	1.08	0.73	0.54	0.33	0.73	-0.35	-32.4%
585	20	4429	2.48	2.42	0.26	2.55	2.23	1.63	1.04	2.23	-0.32	-12.5%
586	20	4429	2.39	2.33	0.27	2.46	2.04	1.50	0.95	2.04	-0.42	-17.1%
587	20	4359	0.43	0.40	0.09	0.47	0.31	0.23	0.14	0.31	-0.16	-34.0%
588	20	4359	0.20	0.19	0.04	0.22	0.15	0.11	0.07	0.15	-0.07	-31.8%
589	20	4359	1.02	0.97	0.19	1.11	0.76	0.55	0.35	0.76	-0.35	-31.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
590	20	4404	1.23	1.18	0.18	1.31	0.98	0.70	0.45	0.98	-0.33	-25.2%
591	20	4371	1.73	1.65	0.30	1.73	1.36	0.98	0.64	1.36	-0.37	-21.4%
592	20	4359	0.40	0.37	0.09	0.43	0.28	0.21	0.13	0.28	-0.15	-34.9%
593	20	4404	0.41	0.38	0.07	0.45	0.32	0.23	0.14	0.32	-0.13	-28.9%
594	20	4429	0.45	0.43	0.08	0.46	0.36	0.26	0.16	0.36	-0.10	-21.7%
595	20	4359	1.16	1.10	0.23	1.28	0.87	0.63	0.39	0.87	-0.41	-32.0%
596	20	4359	0.40	0.37	0.09	0.44	0.29	0.22	0.13	0.29	-0.15	-34.1%
597	10	4361	0.39	0.39	0.03	0.40	0.23	0.19	0.11	0.23	-0.17	-42.5%
598	10	4363	0.72	0.73	0.05	0.72	0.45	0.35	0.20	0.45	-0.27	-37.5%
599	20	4359	1.63	1.55	0.32	1.79	1.22	0.88	0.56	1.22	-0.57	-31.8%
600	20	4359	0.45	0.42	0.10	0.48	0.32	0.24	0.14	0.32	-0.16	-33.3%
601	20	4404	0.34	0.32	0.06	0.38	0.27	0.19	0.12	0.27	-0.11	-28.9%
602	15	4358	0.81	0.78	0.15	0.83	0.57	0.43	0.26	0.57	-0.26	-31.3%
603	20	4359	1.61	1.51	0.34	1.74	1.17	0.87	0.54	1.17	-0.57	-32.8%
604	20	4404	4.12	3.84	0.68	4.20	3.16	2.39	1.47	3.16	-1.04	-24.8%
605	20	4359	0.58	0.55	0.13	0.62	0.41	0.31	0.19	0.41	-0.21	-33.9%
606	10	4363	0.30	0.30	0.02	0.30	0.19	0.15	0.08	0.19	-0.11	-36.7%
607	20	4359	2.71	2.57	0.58	2.89	1.93	1.47	0.88	1.93	-0.96	-33.2%
608	15	4393	1.05	1.00	0.17	1.09	0.66	0.52	0.31	0.66	-0.43	-39.4%
609	20	4359	2.49	2.36	0.53	2.66	1.77	1.35	0.81	1.77	-0.89	-33.5%
610	20	4404	1.33	1.25	0.24	1.46	0.99	0.72	0.46	0.99	-0.47	-32.2%
611	20	4359	0.15	0.14	0.03	0.15	0.10	0.08	0.05	0.10	-0.05	-33.3%
612	20	4404	4.48	4.31	0.63	4.57	3.57	2.69	1.66	3.57	-1.00	-21.9%
613	20	4359	0.17	0.16	0.04	0.19	0.12	0.09	0.06	0.12	-0.07	-36.8%
614	20	4359	0.98	0.93	0.18	1.07	0.73	0.53	0.34	0.73	-0.34	-31.8%
615	20	4359	1.07	1.01	0.19	1.14	0.81	0.59	0.37	0.81	-0.33	-28.9%
616	20	4359	0.22	0.20	0.05	0.23	0.15	0.12	0.07	0.15	-0.08	-34.8%
617	20	4429	0.74	0.72	0.10	0.76	0.62	0.44	0.28	0.62	-0.14	-18.4%
618	10	4363	0.81	0.82	0.07	0.83	0.49	0.38	0.22	0.49	-0.34	-41.0%
619	25	4394	1.87	1.90	0.19	1.87	1.91	1.33	0.88	1.91	0.04	2.1%
620	25	4464	2.29	2.30	0.19	2.32	2.39	1.70	1.12	2.39	0.07	3.0%
621	20	4367	0.30	0.28	0.07	0.31	0.20	0.16	0.09	0.20	-0.11	-35.5%
622	25	4464	0.57	0.58	0.09	0.57	0.55	0.38	0.25	0.55	-0.02	-3.5%
623	25	4394	0.98	1.01	0.12	0.99	0.98	0.68	0.45	0.98	-0.01	-1.0%
624	25	4464	1.03	1.05	0.13	1.03	1.04	0.73	0.49	1.04	0.01	1.0%
625	25	4464	1.09	1.11	0.16	1.10	1.06	0.73	0.49	1.06	-0.04	-3.6%
626	25	4394	3.19	3.26	0.39	3.20	3.25	2.26	1.51	3.25	0.05	1.6%
627	20	4404	1.03	0.97	0.19	1.14	0.77	0.57	0.35	0.77	-0.37	-32.5%
628	20	4359	0.54	0.51	0.12	0.58	0.38	0.29	0.17	0.38	-0.20	-34.5%
629	20	4429	0.50	0.49	0.05	0.51	0.45	0.32	0.21	0.45	-0.06	-11.8%
630	20	4429	0.24	0.22	0.04	0.24	0.18	0.13	0.09	0.18	-0.06	-25.0%
631	25	4464	0.75	0.77	0.11	0.76	0.74	0.51	0.34	0.74	-0.02	-2.6%
632	20	4359	0.54	0.50	0.12	0.59	0.39	0.29	0.18	0.39	-0.20	-33.9%
633	20	4359	0.84	0.80	0.16	0.92	0.62	0.46	0.28	0.62	-0.30	-32.6%
634	20	4359	1.21	1.14	0.23	1.31	0.90	0.66	0.41	0.90	-0.41	-31.3%
635	20	4359	1.68	1.61	0.30	1.82	1.27	0.91	0.59	1.27	-0.55	-30.2%
636	20	4359	0.81	0.76	0.16	0.88	0.59	0.44	0.27	0.59	-0.29	-33.0%
637	20	4359	1.23	1.18	0.20	1.33	0.95	0.67	0.45	0.95	-0.38	-28.6%
638	20	4359	0.85	0.81	0.16	0.93	0.64	0.46	0.29	0.64	-0.29	-31.2%
639	20	4359	2.45	2.40	0.35	2.62	2.06	1.45	0.97	2.06	-0.56	-21.4%
640	20	4359	0.94	0.89	0.17	1.02	0.70	0.50	0.32	0.70	-0.32	-31.4%
641	20	4359	0.58	0.55	0.12	0.63	0.42	0.31	0.19	0.42	-0.21	-33.3%
642	20	4367	1.51	1.43	0.33	1.51	1.07	0.81	0.49	1.07	-0.44	-29.1%
643	15	4393	1.14	1.09	0.19	1.18	0.72	0.56	0.34	0.72	-0.46	-39.0%
644	15	4393	3.00	2.89	0.46	3.18	2.02	1.55	0.94	2.02	-1.16	-36.5%
645	20	4359	0.96	0.91	0.17	1.05	0.72	0.51	0.33	0.72	-0.33	-31.4%
646	20	4429	2.78	2.70	0.29	2.84	2.42	1.75	1.15	2.42	-0.42	-14.8%
647	20	4359	1.39	1.32	0.25	1.50	1.04	0.75	0.48	1.04	-0.46	-30.7%
648	20	4359	0.41	0.38	0.09	0.44	0.29	0.22	0.13	0.29	-0.15	-34.1%
649	20	4359	1.68	1.60	0.27	1.77	1.32	0.95	0.63	1.32	-0.45	-25.4%
650	20	4359	2.51	2.39	0.45	2.72	1.90	1.36	0.88	1.90	-0.82	-30.1%
651	20	4359	0.72	0.69	0.13	0.79	0.55	0.39	0.25	0.55	-0.24	-30.4%
652	20	4359	0.68	0.63	0.14	0.74	0.49	0.37	0.22	0.49	-0.25	-33.8%
653	20	4359	0.94	0.89	0.18	1.02	0.70	0.51	0.32	0.70	-0.32	-31.4%
654	20	4359	1.21	1.14	0.23	1.31	0.90	0.67	0.42	0.90	-0.41	-31.3%
655	20	4359	0.70	0.67	0.13	0.77	0.53	0.38	0.24	0.53	-0.24	-31.2%
656	20	4359	0.36	0.34	0.08	0.40	0.27	0.20	0.12	0.27	-0.13	-32.5%
657	20	4359	0.61	0.57	0.13	0.66	0.45	0.33	0.20	0.45	-0.21	-31.8%
658	20	4359	0.27	0.25	0.06	0.28	0.19	0.14	0.08	0.19	-0.09	-32.1%
659	20	4359	0.91	0.85	0.18	0.99	0.67	0.49	0.30	0.67	-0.32	-32.3%
660	20	4359	0.51	0.48	0.11	0.56	0.38	0.28	0.17	0.38	-0.18	-32.1%
661	20	4359	0.28	0.27	0.06	0.31	0.21	0.16	0.09	0.21	-0.10	-32.3%
662	20	4359	1.76	1.66	0.34	1.90	1.31	0.96	0.61	1.31	-0.59	-31.1%
663	20	4359	0.38	0.35	0.08	0.41	0.27	0.20	0.12	0.27	-0.14	-34.1%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
664	20	4359	4.71	4.50	0.73	5.00	3.79	2.70	1.80	3.79	-1.21	-24.2%
665	20	4359	2.88	2.74	0.48	3.06	2.22	1.57	1.05	2.22	-0.84	-27.5%
666	30	4402	19.70	19.41	2.44	21.64	21.76	15.95	10.84	21.76	0.12	0.6%
667	20	4359	0.87	0.83	0.16	0.96	0.66	0.47	0.30	0.66	-0.30	-31.3%
668	20	4359	0.42	0.39	0.09	0.46	0.31	0.23	0.14	0.31	-0.15	-32.6%
669	20	4359	3.24	3.14	0.49	3.50	2.57	1.82	1.21	2.57	-0.93	-26.6%
670	20	4359	3.02	2.94	0.44	3.24	2.54	1.80	1.21	2.54	-0.70	-21.6%
671	20	4359	1.78	1.72	0.29	1.92	1.39	0.99	0.66	1.39	-0.53	-27.6%
672	20	4359	5.35	5.18	0.68	5.67	5.06	3.56	2.37	5.06	-0.61	-10.8%
673	20	4359	0.73	0.70	0.14	0.81	0.55	0.39	0.25	0.55	-0.26	-32.1%
674	20	4359	0.34	0.32	0.07	0.37	0.25	0.18	0.12	0.25	-0.12	-32.4%
675	20	4359	1.23	1.20	0.20	1.36	0.99	0.71	0.46	0.99	-0.37	-27.2%
676	20	4359	0.73	0.70	0.13	0.80	0.55	0.40	0.25	0.55	-0.25	-31.3%
677	25	4462	1.73	1.72	0.23	1.75	1.73	1.20	0.81	1.73	-0.02	-1.1%
678	25	4464	2.30	2.33	0.27	2.32	2.37	1.65	1.11	2.37	0.05	2.2%
679	20	4429	3.46	3.38	0.34	3.51	3.31	2.33	1.53	3.31	-0.20	-5.7%
680	20	4429	1.31	1.27	0.21	1.32	1.06	0.76	0.49	1.06	-0.26	-19.7%
681	20	4359	0.36	0.34	0.08	0.39	0.25	0.19	0.11	0.25	-0.14	-35.9%
682	20	4359	1.00	0.96	0.18	1.10	0.75	0.54	0.35	0.75	-0.35	-31.8%
683	25	4394	9.28	9.57	0.93	9.38	9.85	6.92	4.71	9.85	0.47	5.0%
684	20	4429	0.64	0.63	0.09	0.65	0.54	0.38	0.25	0.54	-0.11	-16.9%
685	20	4359	0.18	0.16	0.04	0.19	0.12	0.10	0.06	0.12	-0.07	-36.8%
686	20	4367	0.16	0.15	0.04	0.16	0.11	0.09	0.05	0.11	-0.05	-31.3%
687	20	4359	0.28	0.26	0.06	0.30	0.20	0.15	0.09	0.20	-0.10	-33.3%
688	20	4359	1.21	1.14	0.22	1.32	0.89	0.66	0.40	0.89	-0.43	-32.6%
689	20	4429	0.60	0.59	0.07	0.62	0.55	0.39	0.26	0.55	-0.07	-11.3%
690	20	4429	0.74	0.73	0.09	0.75	0.64	0.45	0.30	0.64	-0.11	-14.7%
691	25	4464	0.78	0.78	0.09	0.80	0.80	0.54	0.37	0.80	0.00	0.0%
692	20	4359	0.18	0.17	0.04	0.20	0.13	0.10	0.06	0.13	-0.07	-35.0%
693	20	4359	0.47	0.45	0.09	0.52	0.36	0.25	0.16	0.36	-0.16	-30.8%
694	20	4429	3.01	2.94	0.33	3.03	2.81	1.94	1.32	2.81	-0.22	-7.3%
695	20	4429	4.98	4.87	0.52	4.99	4.85	3.32	2.31	4.85	-0.14	-2.8%
696	25	4394	9.69	9.88	1.11	9.82	10.22	7.24	4.87	10.22	0.40	4.1%
697	20	4359	1.06	0.99	0.20	1.14	0.78	0.57	0.36	0.78	-0.36	-31.6%
698	20	4359	1.11	1.05	0.22	1.20	0.82	0.60	0.37	0.82	-0.38	-31.7%
699	20	4359	0.27	0.25	0.06	0.29	0.19	0.15	0.09	0.19	-0.10	-34.5%
700	20	4359	1.61	1.54	0.27	1.72	1.23	0.87	0.58	1.23	-0.49	-28.5%
701	20	4359	1.93	1.83	0.34	2.07	1.47	1.04	0.69	1.47	-0.60	-29.0%
702	20	4359	1.66	1.57	0.31	1.78	1.26	0.91	0.59	1.26	-0.52	-29.2%
703	20	4359	1.00	0.96	0.18	1.09	0.76	0.54	0.35	0.76	-0.33	-30.3%
704	20	4359	0.24	0.23	0.05	0.27	0.18	0.13	0.08	0.18	-0.09	-33.3%
705	20	4359	0.24	0.22	0.05	0.26	0.17	0.13	0.08	0.17	-0.09	-34.6%
706	20	4359	0.38	0.37	0.06	0.42	0.30	0.21	0.14	0.30	-0.12	-28.6%
707	20	4404	1.61	1.55	0.24	1.76	1.27	0.91	0.59	1.27	-0.49	-27.8%
708	25	4394	14.86	15.07	1.11	15.40	16.15	11.80	7.92	16.15	0.75	4.9%
709	25	4394	15.04	15.19	1.07	15.53	16.36	12.06	8.12	16.36	0.83	5.3%
710	25	4394	15.12	15.25	1.05	15.57	16.46	12.16	8.19	16.46	0.89	5.7%
711	20	4359	0.45	0.42	0.09	0.49	0.33	0.25	0.15	0.33	-0.16	-32.7%
712	20	4359	0.62	0.59	0.14	0.67	0.45	0.34	0.20	0.45	-0.22	-32.8%
713	20	4359	0.69	0.65	0.14	0.76	0.51	0.38	0.23	0.51	-0.25	-32.9%
714	20	4404	1.01	0.97	0.16	1.10	0.78	0.57	0.36	0.78	-0.32	-29.1%
715	25	4394	26.87	26.73	1.11	27.38	28.17	22.09	15.16	28.17	0.79	2.9%
716	20	4359	0.69	0.67	0.12	0.75	0.53	0.38	0.25	0.53	-0.22	-29.3%
717	25	4394	13.31	13.66	1.27	13.63	14.09	10.12	6.79	14.09	0.46	3.4%
718	20	4359	1.65	1.56	0.30	1.78	1.24	0.89	0.57	1.24	-0.54	-30.3%
719	20	4359	1.27	1.24	0.17	1.37	1.06	0.75	0.50	1.06	-0.31	-22.6%
720	20	4359	0.57	0.56	0.09	0.63	0.44	0.32	0.21	0.44	-0.19	-30.2%
721	20	4359	0.69	0.64	0.14	0.75	0.51	0.37	0.23	0.51	-0.24	-32.0%
722	20	4359	0.60	0.57	0.12	0.66	0.44	0.32	0.20	0.44	-0.22	-33.3%
723	20	4359	0.83	0.79	0.16	0.91	0.62	0.46	0.28	0.62	-0.29	-31.9%
724	20	4359	0.80	0.78	0.13	0.87	0.64	0.46	0.30	0.64	-0.23	-26.4%
725	20	4404	2.27	2.23	0.28	2.42	2.00	1.38	0.94	2.00	-0.42	-17.4%
726	20	4359	0.77	0.76	0.14	0.86	0.62	0.44	0.29	0.62	-0.24	-27.9%
727	30	4498	43.70	43.07	3.84	44.00	46.67	36.53	24.44	46.67	2.67	6.1%
728	20	4359	0.30	0.28	0.06	0.33	0.22	0.17	0.10	0.22	-0.11	-33.3%
729	20	4429	0.24	0.24	0.03	0.25	0.21	0.15	0.10	0.21	-0.04	-16.0%
730	20	4359	0.24	0.22	0.05	0.26	0.17	0.13	0.08	0.17	-0.09	-34.6%
731	20	4359	0.57	0.53	0.13	0.61	0.40	0.30	0.18	0.40	-0.21	-34.4%
732	20	4359	2.18	2.10	0.32	2.33	1.74	1.24	0.82	1.74	-0.59	-25.3%
733	20	4359	0.41	0.39	0.05	0.44	0.35	0.25	0.16	0.35	-0.09	-20.5%
734	20	4359	0.26	0.25	0.05	0.29	0.20	0.14	0.09	0.20	-0.09	-31.0%
735	20	4404	0.38	0.37	0.06	0.42	0.30	0.21	0.14	0.30	-0.12	-28.6%
736	20	4429	2.12	2.09	0.20	2.15	2.03	1.42	0.93	2.03	-0.12	-5.6%
737	20	4429	0.93	0.92	0.08	0.95	0.85	0.60	0.40	0.85	-0.10	-10.5%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
738	20	4429	1.02	1.01	0.10	1.05	0.92	0.65	0.43	0.92	-0.13	-12.4%
739	20	4429	0.55	0.54	0.06	0.56	0.48	0.34	0.22	0.48	-0.08	-14.3%
740	20	4429	1.61	1.57	0.16	1.63	1.52	1.07	0.70	1.52	-0.11	-6.7%
741	20	4404	0.28	0.27	0.05	0.32	0.22	0.16	0.10	0.22	-0.10	-31.3%
742	20	4429	0.64	0.63	0.08	0.66	0.54	0.39	0.25	0.54	-0.12	-18.2%
743	20	4429	0.53	0.52	0.06	0.54	0.46	0.33	0.21	0.46	-0.08	-14.8%
744	20	4404	0.82	0.79	0.15	0.92	0.64	0.46	0.29	0.64	-0.28	-30.4%
745	20	4404	0.27	0.26	0.05	0.31	0.21	0.15	0.10	0.21	-0.10	-32.3%
746	20	4404	0.52	0.50	0.10	0.58	0.39	0.28	0.18	0.39	-0.19	-32.8%
747	20	4359	0.70	0.68	0.12	0.77	0.54	0.39	0.25	0.54	-0.23	-29.9%
748	20	4429	0.93	0.92	0.10	0.95	0.82	0.57	0.38	0.82	-0.13	-13.7%
749	20	4404	0.48	0.45	0.09	0.53	0.38	0.27	0.17	0.38	-0.15	-28.3%
750	20	4429	0.41	0.39	0.06	0.41	0.33	0.24	0.15	0.33	-0.08	-19.5%
751	25	4464	0.94	0.96	0.13	0.95	0.92	0.64	0.42	0.92	-0.03	-3.2%
752	45	4527	63.47	63.16	3.14	63.67	65.63	56.22	38.29	65.63	1.96	3.1%
753	20	4359	0.65	0.62	0.14	0.70	0.46	0.35	0.21	0.46	-0.24	-34.3%
754	15	4393	1.57	1.52	0.25	1.63	1.08	0.82	0.50	1.08	-0.55	-33.7%
755	20	4371	2.33	2.26	0.46	2.34	1.67	1.25	0.78	1.67	-0.67	-28.6%
756	20	4404	0.13	0.12	0.02	0.14	0.10	0.07	0.04	0.10	-0.04	-28.6%
757	20	4359	0.05	0.05	0.01	0.05	0.03	0.03	0.02	0.03	-0.02	-40.0%
758	20	4404	3.21	3.03	0.47	3.29	2.59	1.93	1.20	2.59	-0.70	-21.3%
759	20	4429	1.15	1.12	0.16	1.16	0.94	0.68	0.44	0.94	-0.22	-19.0%
760	20	4404	0.72	0.68	0.14	0.80	0.55	0.40	0.25	0.55	-0.25	-31.3%
761	20	4359	0.71	0.68	0.11	0.76	0.57	0.40	0.27	0.57	-0.19	-25.0%
762	20	4359	1.31	1.27	0.20	1.41	1.08	0.76	0.51	1.08	-0.33	-23.4%
763	45	4527	27.95	27.92	1.55	28.23	29.53	24.79	16.64	29.53	1.30	4.6%
764	20	4359	0.52	0.50	0.10	0.58	0.39	0.29	0.18	0.39	-0.19	-32.8%
765	25	4462	14.02	14.13	1.25	14.56	14.54	10.62	7.07	14.54	-0.02	-0.1%
766	25	4464	2.40	2.45	0.32	2.42	2.33	1.64	1.08	2.33	-0.09	-3.7%
767	20	4359	1.03	0.99	0.17	1.13	0.86	0.61	0.40	0.86	-0.27	-23.9%
768	20	4359	0.36	0.33	0.09	0.39	0.25	0.20	0.11	0.25	-0.14	-35.9%
769	20	4429	0.52	0.51	0.06	0.53	0.45	0.32	0.21	0.45	-0.08	-15.1%
770	20	4359	0.40	0.37	0.09	0.44	0.29	0.22	0.13	0.29	-0.15	-34.1%
771	20	4359	0.25	0.23	0.06	0.26	0.17	0.13	0.08	0.17	-0.09	-34.6%
772	20	4359	0.83	0.76	0.18	0.89	0.60	0.44	0.27	0.60	-0.29	-32.6%
773	20	4367	1.11	1.05	0.25	1.13	0.77	0.60	0.35	0.77	-0.36	-31.9%
774	10	4363	0.46	0.46	0.03	0.46	0.27	0.22	0.13	0.27	-0.19	-41.3%
775	20	4367	0.88	0.84	0.20	0.89	0.61	0.47	0.28	0.61	-0.28	-31.5%
776	15	4393	0.74	0.71	0.13	0.75	0.48	0.38	0.22	0.48	-0.27	-36.0%
777	20	4359	0.66	0.65	0.11	0.73	0.52	0.37	0.24	0.52	-0.21	-28.8%
778	20	4359	1.30	1.26	0.20	1.39	1.06	0.74	0.50	1.06	-0.33	-23.7%
779	10	4356	0.04	0.04	0.00	0.04	0.02	0.02	0.01	0.02	-0.02	-50.0%
780	20	4429	1.02	1.01	0.12	1.05	0.88	0.63	0.41	0.88	-0.17	-16.2%
781	20	4404	0.23	0.22	0.05	0.26	0.18	0.13	0.08	0.18	-0.08	-30.8%
782	20	4404	0.17	0.16	0.03	0.19	0.13	0.09	0.06	0.13	-0.06	-31.6%
783	15	4396	0.27	0.26	0.05	0.28	0.19	0.15	0.08	0.19	-0.09	-32.1%
784	10	4354	0.23	0.23	0.02	0.23	0.14	0.11	0.06	0.14	-0.09	-39.1%
785	20	4359	0.07	0.07	0.02	0.07	0.05	0.04	0.02	0.05	-0.02	-28.6%
786	20	4359	0.56	0.53	0.13	0.57	0.38	0.30	0.17	0.38	-0.19	-33.3%
787	20	4429	1.78	1.71	0.22	1.80	1.54	1.09	0.72	1.54	-0.26	-14.4%
788	20	4371	0.12	0.11	0.03	0.12	0.08	0.07	0.04	0.08	-0.04	-33.3%
789	20	4404	0.21	0.21	0.05	0.24	0.16	0.12	0.07	0.16	-0.08	-33.3%
790	15	4358	0.48	0.45	0.09	0.48	0.32	0.25	0.14	0.32	-0.16	-33.3%
791	20	4359	0.26	0.25	0.05	0.29	0.20	0.15	0.09	0.20	-0.09	-31.0%
792	20	4359	0.45	0.42	0.09	0.49	0.33	0.24	0.15	0.33	-0.16	-32.7%
793	20	4359	0.68	0.65	0.12	0.74	0.52	0.37	0.24	0.52	-0.22	-29.7%
794	20	4359	0.35	0.34	0.06	0.39	0.28	0.19	0.13	0.28	-0.11	-28.2%
795	20	4359	0.52	0.51	0.08	0.56	0.44	0.30	0.20	0.44	-0.12	-21.4%
796	20	4429	0.44	0.43	0.07	0.45	0.35	0.26	0.16	0.35	-0.10	-22.2%
797	20	4359	2.83	2.76	0.35	3.02	2.58	1.81	1.21	2.58	-0.44	-14.6%
798	20	4429	0.61	0.60	0.07	0.63	0.53	0.37	0.25	0.53	-0.10	-15.9%
799	20	4359	0.48	0.47	0.08	0.52	0.37	0.26	0.17	0.37	-0.15	-28.8%
800	20	4359	0.86	0.82	0.15	0.93	0.65	0.46	0.30	0.65	-0.28	-30.1%
801	25	4464	2.50	2.54	0.29	2.51	2.57	1.79	1.21	2.57	0.06	2.4%
802	20	4359	0.12	0.11	0.03	0.13	0.08	0.06	0.04	0.08	-0.05	-38.5%
803	20	4359	0.51	0.49	0.10	0.56	0.38	0.28	0.17	0.38	-0.18	-32.1%
804	25	4458	12.19	12.22	0.91	12.32	12.93	9.44	6.45	12.93	0.61	5.0%
805	25	4462	11.64	11.85	1.09	11.83	12.03	8.59	5.90	12.03	0.20	1.7%
806	20	4359	6.48	6.29	0.75	6.70	6.58	4.73	3.23	6.58	-0.12	-1.8%
807	20	4359	6.02	5.86	0.71	6.28	5.67	4.00	2.73	5.67	-0.61	-9.7%
808	20	4359	0.97	0.91	0.22	1.04	0.69	0.53	0.31	0.69	-0.35	-33.7%
809	10	4363	0.99	1.00	0.08	1.02	0.60	0.47	0.28	0.60	-0.42	-41.2%
810	25	4464	2.55	2.61	0.34	2.58	2.52	1.75	1.16	2.52	-0.06	-2.3%
811	20	4429	2.01	1.97	0.20	2.03	1.89	1.32	0.88	1.89	-0.14	-6.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
812	20	4404	0.52	0.49	0.09	0.58	0.40	0.29	0.18	0.40	-0.18	-31.0%
813	20	4429	1.80	1.73	0.22	1.82	1.56	1.11	0.73	1.56	-0.26	-14.3%
814	30	4457	24.97	25.04	1.58	25.15	23.05	24.53	14.98	24.53	-0.62	-2.5%
815	30	4500	25.66	25.43	1.56	25.93	24.89	25.25	15.82	25.25	-0.68	-2.6%
816	20	4359	0.19	0.18	0.04	0.21	0.14	0.11	0.06	0.14	-0.07	-33.3%
817	20	4359	0.51	0.49	0.10	0.57	0.39	0.28	0.18	0.39	-0.18	-31.6%
818	45	4527	219.58	218.45	7.70	223.19	229.00	213.45	194.96	229.00	5.81	2.6%
819	1440	4661	0.11	0.10	0.03	0.18	0.04	0.06	0.08	0.08	-0.10	-55.6%
820	20	4429	1.83	1.76	0.24	1.83	1.60	1.14	0.73	1.60	-0.23	-12.6%
821	45	4527	219.43	218.31	7.75	223.11	228.93	213.41	194.70	228.93	5.82	2.6%
822	45	4496	64.03	63.96	3.01	64.15	65.79	58.84	39.51	65.79	1.64	2.6%
823	25	4464	1.37	1.38	0.17	1.40	1.39	0.95	0.64	1.39	-0.01	-0.7%
824	20	4359	1.03	1.01	0.15	1.12	0.87	0.61	0.41	0.87	-0.25	-22.3%
825	20	4359	0.11	0.10	0.03	0.12	0.08	0.06	0.04	0.08	-0.04	-33.3%
826	10	4368	0.75	0.76	0.06	0.75	0.47	0.37	0.21	0.47	-0.28	-37.3%
827	20	4359	1.00	0.95	0.22	1.07	0.71	0.54	0.32	0.71	-0.36	-33.6%
828	20	4359	1.16	1.11	0.26	1.24	0.82	0.62	0.38	0.82	-0.42	-33.9%
829	20	4359	2.61	2.49	0.55	2.73	1.84	1.41	0.84	1.84	-0.89	-32.6%
830	20	4359	1.31	1.24	0.26	1.44	0.97	0.71	0.44	0.97	-0.47	-32.6%
831	20	4359	0.59	0.54	0.13	0.64	0.42	0.32	0.19	0.42	-0.22	-34.4%
832	20	4359	0.84	0.78	0.18	0.92	0.61	0.46	0.28	0.61	-0.31	-33.7%
833	20	4359	0.44	0.41	0.10	0.48	0.32	0.24	0.14	0.32	-0.16	-33.3%
834	20	4359	0.60	0.57	0.12	0.67	0.45	0.32	0.20	0.45	-0.22	-32.8%
835	15	4358	0.16	0.15	0.03	0.16	0.11	0.08	0.05	0.11	-0.05	-31.3%
836	20	4359	2.78	2.73	0.40	3.02	2.54	1.80	1.20	2.54	-0.48	-15.9%
837	20	4359	1.03	0.98	0.18	1.12	0.78	0.56	0.36	0.78	-0.34	-30.4%
838	20	4359	0.38	0.35	0.09	0.41	0.27	0.21	0.12	0.27	-0.14	-34.1%
839	20	4429	1.53	1.51	0.14	1.53	1.50	1.03	0.71	1.50	-0.03	-2.0%
840	20	4359	0.43	0.39	0.10	0.46	0.31	0.23	0.14	0.31	-0.15	-32.6%
841	20	4359	1.32	1.23	0.28	1.43	0.95	0.71	0.45	0.95	-0.48	-33.6%
842	20	4359	0.20	0.19	0.05	0.20	0.14	0.10	0.06	0.14	-0.06	-30.0%
843	20	4371	2.40	2.32	0.37	2.41	1.99	1.39	0.95	1.99	-0.42	-17.4%
844	20	4359	2.85	2.77	0.42	3.05	2.42	1.69	1.16	2.42	-0.63	-20.7%
845	25	4464	4.45	4.54	0.61	4.47	4.37	3.05	2.02	4.37	-0.10	-2.2%
846	20	4359	0.69	0.66	0.13	0.75	0.52	0.37	0.24	0.52	-0.23	-30.7%
847	20	4371	1.58	1.53	0.23	1.59	1.34	0.92	0.63	1.34	-0.25	-15.7%
848	20	4359	0.76	0.72	0.14	0.83	0.57	0.41	0.26	0.57	-0.26	-31.3%
849	20	4359	0.98	0.93	0.19	1.07	0.74	0.53	0.34	0.74	-0.33	-30.8%
850	20	4359	0.49	0.47	0.09	0.54	0.37	0.27	0.17	0.37	-0.17	-31.5%
851	20	4371	2.94	2.84	0.42	2.96	2.41	1.70	1.13	2.41	-0.55	-18.6%
852	20	4359	1.49	1.42	0.26	1.60	1.13	0.80	0.53	1.13	-0.47	-29.4%
853	20	4359	2.04	1.94	0.35	2.18	1.58	1.13	0.74	1.58	-0.60	-27.5%
854	20	4359	1.82	1.73	0.34	1.98	1.39	1.01	0.65	1.39	-0.59	-29.8%
855	20	4359	0.39	0.36	0.08	0.42	0.29	0.21	0.13	0.29	-0.13	-31.0%
856	20	4359	0.46	0.44	0.10	0.50	0.33	0.25	0.15	0.33	-0.17	-34.0%
857	20	4371	0.05	0.05	0.01	0.05	0.03	0.03	0.02	0.03	-0.02	-40.0%
858	20	4359	0.20	0.18	0.05	0.20	0.14	0.11	0.06	0.14	-0.06	-30.0%
859	20	4359	0.47	0.44	0.10	0.52	0.34	0.26	0.15	0.34	-0.18	-34.6%
860	20	4359	0.80	0.76	0.15	0.88	0.60	0.43	0.27	0.60	-0.28	-31.8%
861	20	4359	0.54	0.51	0.11	0.59	0.40	0.29	0.18	0.40	-0.19	-32.2%
862	20	4359	0.89	0.84	0.18	0.98	0.65	0.48	0.30	0.65	-0.33	-33.7%
863	20	4359	0.93	0.88	0.17	1.01	0.69	0.50	0.32	0.69	-0.32	-31.7%
864	20	4359	3.89	3.75	0.58	4.11	3.12	2.22	1.46	3.12	-0.99	-24.1%
865	20	4359	4.48	4.31	0.63	4.70	3.73	2.66	1.76	3.73	-0.97	-20.6%
866	20	4404	4.89	4.67	0.64	5.17	4.06	2.91	1.92	4.06	-1.11	-21.5%
867	20	4359	1.04	0.99	0.19	1.14	0.78	0.57	0.36	0.78	-0.36	-31.6%
868	20	4359	0.78	0.75	0.14	0.85	0.59	0.42	0.27	0.59	-0.26	-30.6%
869	20	4359	0.40	0.38	0.08	0.45	0.30	0.22	0.14	0.30	-0.15	-33.3%
870	20	4359	3.04	2.95	0.22	3.33	2.84	2.02	1.33	2.84	-0.49	-14.7%
871	20	4359	0.12	0.12	0.03	0.14	0.09	0.07	0.04	0.09	-0.05	-35.7%
872	25	4462	2.34	2.36	0.28	2.39	2.19	1.57	1.00	2.19	-0.20	-8.4%
873	20	4359	1.09	1.04	0.20	1.20	0.82	0.59	0.38	0.82	-0.38	-31.7%
874	25	4461	8.25	8.37	0.50	8.34	8.83	6.52	4.28	8.83	0.49	5.9%
875	25	4461	8.37	8.46	0.49	8.45	9.02	6.67	4.38	9.02	0.57	6.7%
876	25	4460	8.56	8.62	0.50	8.60	9.32	6.88	4.53	9.32	0.72	8.4%
877	20	4429	1.59	1.53	0.18	1.63	1.38	1.00	0.64	1.38	-0.25	-15.3%
878	20	4359	0.52	0.48	0.11	0.57	0.38	0.28	0.17	0.38	-0.19	-33.3%
879	25	4461	12.86	12.87	1.09	13.06	13.56	9.92	6.71	13.56	0.50	3.8%
880	20	4404	0.75	0.71	0.14	0.83	0.57	0.41	0.26	0.57	-0.26	-31.3%
881	20	4359	0.27	0.26	0.06	0.31	0.21	0.15	0.09	0.21	-0.10	-32.3%
882	20	4429	3.51	3.44	0.36	3.56	3.34	2.35	1.56	3.34	-0.22	-6.2%
883	20	4429	3.41	3.36	0.34	3.47	3.20	2.25	1.49	3.20	-0.27	-7.8%
884	30	4402	16.99	16.43	2.47	18.82	18.19	13.07	8.79	18.19	-0.63	-3.3%
885	30	4502	11.60	11.52	1.41	12.61	12.63	9.21	6.20	12.63	0.02	0.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4619 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
886	20	4359	0.88	0.83	0.17	0.96	0.65	0.47	0.30	0.65	-0.31	-32.3%
887	20	4359	0.65	0.61	0.12	0.71	0.48	0.35	0.22	0.48	-0.23	-32.4%
888	20	4359	0.87	0.83	0.16	0.94	0.65	0.47	0.30	0.65	-0.29	-30.9%
889	20	4429	0.42	0.42	0.04	0.43	0.37	0.26	0.17	0.37	-0.06	-14.0%
890	20	4359	0.78	0.75	0.15	0.86	0.59	0.42	0.27	0.59	-0.27	-31.4%
891	20	4359	1.15	1.09	0.21	1.25	0.86	0.63	0.40	0.86	-0.39	-31.2%
892	20	4429	4.11	3.95	0.44	4.11	3.55	2.54	1.64	3.55	-0.56	-13.6%
893	20	4359	1.09	1.05	0.17	1.17	0.84	0.61	0.39	0.84	-0.33	-28.2%
894	20	4404	1.22	1.17	0.20	1.34	0.93	0.67	0.43	0.93	-0.41	-30.6%
895	20	4359	0.83	0.78	0.16	0.90	0.61	0.45	0.28	0.61	-0.29	-32.2%
896	20	4359	5.26	5.04	0.58	5.49	4.98	3.52	2.33	4.98	-0.51	-9.3%
897	20	4359	1.22	1.17	0.21	1.33	0.93	0.66	0.43	0.93	-0.40	-30.1%
898	20	4359	0.93	0.89	0.16	1.01	0.71	0.50	0.33	0.71	-0.30	-29.7%
899	20	4359	0.18	0.16	0.04	0.19	0.13	0.10	0.06	0.13	-0.06	-31.6%
900	20	4359	0.81	0.76	0.17	0.89	0.60	0.44	0.27	0.60	-0.29	-32.6%
901	20	4359	0.84	0.79	0.15	0.91	0.63	0.45	0.29	0.63	-0.28	-30.8%
902	20	4404	0.99	0.96	0.14	1.08	0.79	0.57	0.36	0.79	-0.29	-26.9%
903	20	4359	0.71	0.68	0.13	0.78	0.54	0.39	0.25	0.54	-0.24	-30.8%
904	30	4502	11.43	11.34	1.41	12.49	12.44	9.05	6.08	12.44	-0.05	-0.4%
905	20	4359	0.54	0.50	0.12	0.59	0.39	0.29	0.18	0.39	-0.20	-33.9%
906	20	4359	1.22	1.17	0.20	1.32	0.93	0.68	0.43	0.93	-0.39	-29.5%
907	25	4394	5.15	5.25	0.55	5.16	5.38	3.80	2.58	5.38	0.22	4.3%
908	20	4404	3.16	3.08	0.35	3.35	3.16	2.23	1.51	3.16	-0.19	-5.7%
909	20	4429	4.10	4.04	0.37	4.14	4.10	2.87	1.95	4.10	-0.04	-1.0%
910	20	4429	0.95	0.93	0.12	0.95	0.83	0.59	0.39	0.83	-0.12	-12.6%
911	20	4359	0.42	0.39	0.10	0.46	0.31	0.23	0.14	0.31	-0.15	-32.6%
912	30	4502	7.25	7.17	0.92	8.01	7.75	5.67	3.73	7.75	-0.26	-3.2%
913	20	4359	0.52	0.50	0.10	0.58	0.39	0.28	0.18	0.39	-0.19	-32.8%
914	20	4359	0.30	0.28	0.07	0.33	0.22	0.16	0.10	0.22	-0.11	-33.3%
915	20	4359	0.78	0.74	0.16	0.86	0.58	0.42	0.26	0.58	-0.28	-32.6%
916	20	4359	1.76	1.70	0.31	1.93	1.35	0.95	0.63	1.35	-0.58	-30.1%
917	20	4367	4.88	4.64	1.02	5.14	3.47	2.63	1.60	3.47	-1.67	-32.5%
918	10	4363	2.94	2.97	0.25	3.08	1.98	1.50	0.91	1.98	-1.10	-35.7%
919	15	4358	0.66	0.63	0.12	0.67	0.45	0.35	0.21	0.45	-0.22	-32.8%
920	20	4367	1.25	1.19	0.28	1.26	0.88	0.67	0.41	0.88	-0.38	-30.2%
921	20	4429	2.16	2.05	0.28	2.17	1.84	1.34	0.85	1.84	-0.33	-15.2%
922	20	4359	2.97	2.84	0.41	3.11	2.60	1.82	1.22	2.60	-0.51	-16.4%
923	20	4359	1.28	1.24	0.22	1.40	0.99	0.70	0.46	0.99	-0.41	-29.3%
924	20	4359	1.14	1.09	0.22	1.25	0.85	0.62	0.39	0.85	-0.40	-32.0%
925	20	4359	4.97	4.79	0.66	5.22	4.36	3.04	2.06	4.36	-0.86	-16.5%
926	20	4359	0.80	0.74	0.18	0.88	0.58	0.44	0.26	0.58	-0.30	-34.1%
927	20	4359	1.23	1.16	0.25	1.34	0.91	0.67	0.42	0.91	-0.43	-32.1%
928	15	4358	0.43	0.40	0.08	0.44	0.28	0.22	0.13	0.28	-0.16	-36.4%
929	20	4359	0.86	0.82	0.16	0.94	0.64	0.46	0.30	0.64	-0.30	-31.9%
930	20	4359	0.35	0.33	0.07	0.39	0.26	0.19	0.12	0.26	-0.13	-33.3%
931	20	4359	2.54	2.44	0.44	2.73	2.00	1.42	0.94	2.00	-0.73	-26.7%
932	20	4359	1.18	1.12	0.22	1.28	0.88	0.64	0.40	0.88	-0.40	-31.3%
933	20	4359	1.15	1.10	0.20	1.25	0.87	0.62	0.40	0.87	-0.38	-30.4%
934	20	4359	1.05	1.01	0.19	1.15	0.80	0.57	0.37	0.80	-0.35	-30.4%
935	20	4359	2.60	2.47	0.44	2.78	1.98	1.41	0.93	1.98	-0.80	-28.8%

Average Difference (All Subcatchments)	**0.56%**
Average Difference (Focus Locations)	**2.98%**

ARR2016 Results for 0.2% AEP Event

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
1	45	4525	323.01	323.19	10.25	324.69	323.83	270.05	272.19	323.83	-0.86	-0.3%
2	20	4429	3.12	3.08	0.30	3.16	2.78	2.05	1.30	2.78	-0.38	-12.0%
3	20	4429	3.02	2.96	0.35	3.08	2.54	1.96	1.19	2.54	-0.54	-17.5%
4	25	4464	5.84	5.93	0.76	5.86	5.57	3.98	2.60	5.57	-0.29	-4.9%
5	30	4402	6.13	5.85	0.97	6.77	6.12	4.34	2.96	6.12	-0.65	-9.6%
6	45	4533	15.68	15.51	1.22	15.68	16.39	11.75	8.75	16.39	0.71	4.5%
7	45	4528	19.43	19.26	1.97	20.20	20.99	13.53	10.65	20.99	0.79	3.9%
8	45	4534	19.66	19.64	1.31	19.82	20.47	14.34	11.47	20.47	0.65	3.3%
9	20	4404	3.10	2.94	0.58	3.41	2.35	1.84	1.11	2.35	-1.06	-31.1%
10	25	4394	25.89	26.31	2.49	26.09	26.48	18.37	12.77	26.48	0.39	1.5%
11	20	4429	3.00	2.95	0.33	3.08	2.55	1.96	1.19	2.55	-0.53	-17.2%
12	20	4429	10.73	10.55	0.98	10.88	10.33	7.53	4.95	10.33	-0.55	-5.1%
13	25	4394	1.98	2.00	0.16	1.99	2.01	1.33	0.97	2.01	0.02	1.0%
14	25	4464	2.67	2.69	0.23	2.71	2.68	1.76	1.28	2.68	-0.03	-1.1%
15	25	4464	5.91	5.97	0.58	5.92	6.32	4.18	3.08	6.32	0.40	6.8%
16	45	4533	39.85	39.45	2.83	40.24	41.88	28.55	23.34	41.88	1.64	4.1%
17	20	4359	2.54	2.43	0.43	2.76	1.90	1.49	0.90	1.90	-0.86	-31.2%
18	20	4429	9.17	8.86	0.86	9.18	8.12	6.06	3.88	8.12	-1.06	-11.5%
19	45	4528	3.48	3.50	0.39	3.53	3.95	2.08	2.05	3.95	0.42	11.9%
20	25	4394	14.12	14.46	1.51	14.41	14.26	9.94	6.89	14.26	-0.15	-1.0%
21	45	4528	17.25	17.40	0.98	17.62	18.07	11.74	10.32	18.07	0.45	2.6%
22	45	4527	43.77	43.22	2.63	44.29	46.21	31.56	26.48	46.21	1.92	4.3%
23	30	4500	4.35	4.27	0.34	4.55	4.64	2.72	2.34	4.64	0.09	2.0%
24	30	4402	17.09	16.44	2.41	18.66	18.28	12.02	8.97	18.28	-0.38	-2.0%
25	30	4498	20.65	20.40	2.30	20.70	22.58	14.32	11.28	22.58	1.88	9.1%
26	30	4402	29.32	28.54	3.50	32.08	30.93	21.22	15.59	30.93	-1.15	-3.6%
27	20	4404	3.89	3.72	0.67	4.26	3.01	2.36	1.42	3.01	-1.25	-29.3%
28	20	4359	3.42	3.34	0.51	3.69	2.76	2.11	1.31	2.76	-0.93	-25.2%
29	20	4404	13.09	12.65	1.37	13.60	12.51	9.13	6.02	12.51	-1.09	-8.0%
30	25	4460	3.87	3.89	0.49	3.89	3.72	2.63	1.75	3.72	-0.17	-4.4%
31	45	4496	59.80	58.68	3.00	60.04	62.66	43.29	37.09	62.66	2.62	4.4%
32	20	4359	3.66	3.47	0.66	3.95	2.68	2.08	1.27	2.68	-1.27	-32.2%
33	25	4461	16.63	17.02	1.49	16.92	16.52	11.68	7.93	16.52	-0.40	-2.4%
34	60	4559	47.56	46.34	6.08	51.07	54.21	27.79	35.19	54.21	3.14	6.1%
35	25	4464	3.65	3.63	0.39	3.69	3.61	2.43	1.71	3.61	-0.08	-2.2%
36	25	4464	12.41	12.68	0.99	12.53	12.64	8.68	6.11	12.64	0.11	0.9%
37	25	4461	5.61	5.60	0.63	5.87	5.51	3.78	2.66	5.51	-0.36	-6.1%
38	25	4462	6.54	6.60	0.68	6.68	6.65	4.71	3.18	6.65	-0.03	-0.4%
39	25	4464	16.27	16.54	1.31	16.29	17.03	11.37	8.22	17.03	0.74	4.5%
40	45	4496	60.95	59.86	2.84	61.33	63.49	44.64	38.42	63.49	2.16	3.5%
41	20	4404	2.85	2.77	0.45	3.11	2.24	1.73	1.06	2.24	-0.87	-28.0%
42	60	4360	68.99	68.63	4.59	69.15	69.63	50.76	45.91	69.63	0.48	0.7%
43	20	4359	4.34	4.15	0.69	4.64	3.34	2.58	1.60	3.34	-1.30	-28.0%
44	60	4559	47.60	46.37	6.06	51.11	54.23	27.88	35.25	54.23	3.12	6.1%
45	25	4464	2.81	2.82	0.34	2.84	2.74	1.89	1.29	2.74	-0.10	-3.5%
46	60	4463	69.64	69.23	4.37	69.86	69.86	51.26	46.35	69.86	0.00	0.0%
47	25	4464	2.28	2.26	0.25	2.31	2.26	1.51	1.07	2.26	-0.05	-2.2%
48	20	4359	4.06	4.03	0.44	4.28	3.82	2.66	1.82	3.82	-0.46	-10.7%
49	20	4429	2.77	2.72	0.30	2.80	2.43	1.81	1.14	2.43	-0.37	-13.2%
50	25	4461	8.08	7.95	0.92	8.38	8.29	5.69	4.01	8.29	-0.09	-1.1%
51	20	4359	3.79	3.62	0.75	4.08	2.74	2.10	1.28	2.74	-1.34	-32.8%
52	20	4404	7.65	7.40	0.90	8.01	7.02	5.03	3.34	7.02	-0.99	-12.4%
53	20	4359	7.38	7.09	1.08	7.83	6.26	4.65	3.03	6.26	-1.57	-20.1%
54	60	4360	71.37	70.68	3.99	72.16	71.27	52.74	47.57	71.27	-0.89	-1.2%
55	20	4359	4.05	3.87	0.76	4.37	2.95	2.28	1.39	2.95	-1.42	-32.5%
56	20	4404	12.26	11.74	1.61	13.07	10.60	7.81	5.09	10.60	-2.47	-18.9%
57	20	4404	16.98	16.24	2.36	18.12	14.26	10.59	6.89	14.26	-3.86	-21.3%
58	60	4559	47.57	46.36	5.56	50.79	53.55	29.82	35.96	53.55	2.76	5.4%
59	20	4359	5.98	5.78	1.08	6.35	4.38	3.40	2.08	4.38	-1.97	-31.0%
60	60	4559	49.02	47.48	5.01	51.82	54.24	34.57	37.89	54.24	2.42	4.7%
61	30	4402	8.60	8.13	1.40	9.59	8.67	6.11	4.16	8.67	-0.92	-9.6%
62	30	4402	13.04	12.64	1.65	14.01	14.07	9.10	7.00	14.07	0.06	0.4%
63	25	4464	3.97	3.93	0.42	4.02	3.95	2.63	1.88	3.95	-0.07	-1.7%
64	45	4533	23.61	23.39	1.90	23.92	24.85	17.01	13.13	24.85	0.93	3.9%
65	25	4464	2.13	2.14	0.27	2.15	2.05	1.45	0.97	2.05	-0.10	-4.7%
66	60	4559	73.42	72.41	3.44	73.95	73.23	55.07	48.91	73.23	-0.72	-1.0%
67	20	4429	2.55	2.51	0.26	2.59	2.23	1.69	1.05	2.23	-0.36	-13.9%
68	20	4359	3.40	3.36	0.31	3.58	3.23	2.26	1.53	3.23	-0.35	-9.8%
69	45	4534	29.79	29.55	1.72	30.13	31.65	21.20	17.54	31.65	1.52	5.0%
70	60	4559	73.77	72.73	3.36	74.19	73.52	55.78	49.21	73.52	-0.67	-0.9%
71	20	4359	3.37	3.26	0.52	3.63	2.64	2.03	1.26	2.64	-0.99	-27.3%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
72	60	4559	93.49	91.85	4.46	96.09	99.70	66.81	65.37	99.70	3.61	3.8%
73	20	4359	5.03	4.95	0.67	5.38	4.46	3.26	2.13	4.46	-0.92	-17.1%
74	45	4534	26.59	25.96	1.94	26.84	28.59	18.98	15.10	28.59	1.75	6.5%
75	20	4359	3.02	2.88	0.59	3.27	2.19	1.68	1.03	2.19	-1.08	-33.0%
76	20	4404	10.40	10.00	1.15	10.79	8.92	6.62	4.28	8.92	-1.87	-17.3%
77	20	4404	14.35	13.67	1.83	15.01	12.03	9.01	5.78	12.03	-2.98	-19.9%
78	60	4559	49.70	47.99	4.76	52.28	54.55	37.29	39.19	54.55	2.27	4.3%
79	20	4359	3.84	3.75	0.62	3.90	3.13	2.32	1.65	3.13	-0.77	-19.7%
80	60	4559	94.15	92.33	4.43	96.67	100.17	68.69	66.57	100.17	3.50	3.6%
81	20	4359	3.46	3.29	0.59	3.72	2.56	1.99	1.21	2.56	-1.16	-31.2%
82	60	4559	50.61	49.17	4.39	52.77	54.84	40.94	40.59	54.84	2.07	3.9%
83	60	4559	1.40	1.40	0.01	1.41	1.41	1.35	1.32	1.41	0.00	0.0%
84	25	4394	6.74	6.92	0.78	6.85	6.53	4.69	3.14	6.53	-0.32	-4.7%
85	20	4404	3.16	3.13	0.23	3.22	2.96	2.15	1.42	2.96	-0.26	-8.1%
86	25	4464	5.89	5.88	0.55	5.94	6.18	4.12	3.18	6.18	0.24	4.0%
87	20	4359	2.92	2.78	0.52	3.18	2.15	1.67	1.01	2.15	-1.03	-32.4%
88	60	4559	95.24	93.30	4.52	97.70	101.11	70.68	67.96	101.11	3.41	3.5%
89	20	4429	2.73	2.67	0.36	2.74	2.29	1.73	1.07	2.29	-0.45	-16.4%
90	60	4559	93.47	92.27	4.06	95.94	98.31	70.46	67.53	98.31	2.37	2.5%
91	20	4404	3.04	2.91	0.46	3.29	2.35	1.80	1.10	2.35	-0.94	-28.6%
92	30	4498	9.25	9.12	1.01	9.26	9.64	6.84	5.39	9.64	0.38	4.1%
93	45	4534	7.30	7.28	0.36	7.36	7.69	5.37	4.45	7.69	0.33	4.5%
94	60	4559	93.57	92.35	4.04	96.04	98.38	71.10	67.79	98.38	2.34	2.4%
95	20	4359	3.60	3.43	0.72	3.89	2.59	1.98	1.20	2.59	-1.30	-33.4%
96	20	4359	4.03	3.85	0.79	4.33	2.90	2.22	1.35	2.90	-1.43	-33.0%
97	20	4359	4.12	3.92	0.71	4.45	3.04	2.37	1.45	3.04	-1.41	-31.7%
98	120	4499	27.33	27.29	0.79	27.36	27.20	27.04	26.36	27.20	-0.16	-0.6%
99	20	4429	3.86	3.67	0.48	3.86	3.21	2.47	1.49	3.21	-0.65	-16.8%
100	60	4559	96.68	95.41	4.24	99.48	101.46	74.20	71.47	101.46	1.98	2.0%
101	20	4404	3.45	3.22	0.56	3.72	2.64	2.05	1.23	2.64	-1.08	-29.0%
102	45	4533	14.14	14.14	0.89	14.58	14.91	9.79	9.04	14.91	0.33	2.3%
103	20	4359	8.18	7.89	1.51	8.66	5.94	4.57	2.81	5.94	-2.72	-31.4%
104	20	4359	9.82	9.52	1.67	10.19	7.44	5.64	3.49	7.44	-2.75	-27.0%
105	20	4359	2.99	2.84	0.57	3.24	2.17	1.67	1.01	2.17	-1.07	-33.0%
106	20	4359	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-100.0%
107	20	4404	4.11	3.97	0.33	4.13	3.56	2.72	1.68	3.56	-0.57	-13.8%
108	45	4534	15.60	15.67	0.85	15.96	16.53	10.71	10.24	16.53	0.57	3.6%
109	20	4359	3.29	3.15	0.53	3.54	2.50	1.94	1.19	2.50	-1.04	-29.4%
110	15	4396	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
111	20	4359	3.95	3.77	0.57	4.22	3.25	2.45	1.53	3.25	-0.97	-23.0%
112	60	4559	96.81	95.54	4.21	99.60	101.54	76.07	72.12	101.54	1.94	1.9%
113	25	4464	3.47	3.55	0.38	3.47	3.42	2.41	1.63	3.42	-0.05	-1.4%
114	20	4429	4.99	4.85	0.58	5.06	4.41	3.33	2.05	4.41	-0.65	-12.8%
115	20	4404	3.47	3.37	0.50	3.75	2.82	2.15	1.33	2.82	-0.93	-24.8%
116	20	4359	25.02	23.51	3.77	25.72	21.47	15.68	10.15	21.47	-4.25	-16.5%
117	20	4404	35.00	34.75	1.93	36.12	33.78	31.08	28.68	33.78	-2.34	-6.5%
118	60	4559	96.88	95.59	4.20	99.66	101.57	76.99	72.44	101.57	1.91	1.9%
119	20	4429	5.08	4.85	0.55	5.17	4.26	3.27	2.00	4.26	-0.91	-17.6%
120	25	4460	11.17	11.25	0.63	11.22	11.35	7.86	5.51	11.35	0.13	1.2%
121	25	4394	18.52	18.60	1.37	18.85	18.65	13.15	9.51	18.65	-0.20	-1.1%
122	45	4531	19.12	19.36	1.00	19.18	21.37	12.96	13.31	21.37	2.19	11.4%
123	20	4404	27.44	26.22	3.63	27.84	25.54	18.30	12.51	25.54	-2.30	-8.3%
124	10	4364	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-100.0%
125	20	4404	4.96	4.66	0.86	5.35	3.83	2.92	1.79	3.83	-1.52	-28.4%
126	60	4559	123.24	121.77	4.08	125.86	127.62	105.91	100.38	127.62	1.76	1.4%
127	20	4404	6.99	6.64	0.87	7.30	6.19	4.61	2.89	6.19	-1.11	-15.2%
128	25	4461	15.10	15.52	1.08	15.51	15.13	10.55	7.45	15.13	-0.38	-2.5%
129	20	4429	5.81	5.69	0.62	5.88	5.28	3.95	2.46	5.28	-0.60	-10.2%
130	90	4585	125.71	126.31	3.97	126.29	128.26	115.81	111.90	128.26	1.97	1.6%
131	20	4404	10.46	10.06	1.16	10.87	9.25	6.84	4.43	9.25	-1.62	-14.9%
132	60	4559	32.64	31.93	3.67	34.43	38.46	21.21	22.38	38.46	4.03	11.7%
133	20	4404	8.44	7.90	1.30	8.90	6.55	5.10	3.09	6.55	-2.35	-26.4%
134	60	4559	36.83	36.30	3.30	38.59	41.82	24.87	26.42	41.82	3.23	8.4%
135	20	4359	5.26	5.04	0.79	5.64	4.05	3.11	1.90	4.05	-1.59	-28.2%
136	25	4461	5.01	5.10	0.60	5.04	4.67	3.48	2.22	4.67	-0.37	-7.3%
137	20	4429	3.54	3.41	0.41	3.63	2.89	2.27	1.36	2.89	-0.74	-20.4%
138	60	4559	40.31	39.68	3.49	42.07	44.67	27.52	29.50	44.67	2.60	6.2%
139	25	4460	31.28	31.75	2.01	31.62	32.02	21.91	16.41	32.02	0.40	1.3%
140	20	4404	2.75	2.64	0.42	2.97	2.10	1.64	1.00	2.10	-0.87	-29.3%
141	45	4533	41.94	42.21	2.27	42.57	45.25	28.59	30.86	45.25	2.68	6.3%
142	20	4359	1.74	1.64	0.37	1.87	1.24	0.96	0.57	1.24	-0.63	-33.7%
143	45	4496	44.46	45.08	1.97	44.89	46.25	30.34	32.47	46.25	1.36	3.0%
144	45	4534	45.80	46.54	1.65	46.53	47.19	31.43	33.68	47.19	0.66	1.4%
145	90	4588	127.85	128.38	3.58	129.41	128.33	118.26	114.93	128.33	-1.08	-0.8%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
146	20	4429	8.04	7.75	0.85	8.12	7.13	5.33	3.38	7.13	-0.99	-12.2%
147	20	4404	8.02	7.73	0.94	8.22	6.82	4.97	3.37	6.82	-1.40	-17.0%
148	20	4404	2.85	2.72	0.38	2.92	2.40	1.81	1.13	2.40	-0.52	-17.8%
149	20	4404	6.51	6.18	0.87	6.83	5.38	4.09	2.56	5.38	-1.45	-21.2%
150	20	4404	10.31	9.70	1.33	10.70	8.87	6.60	4.21	8.87	-1.83	-17.1%
151	20	4404	16.67	16.05	1.60	17.02	15.50	11.26	7.57	15.50	-1.52	-8.9%
152	20	4429	2.71	2.59	0.39	2.72	2.12	1.67	1.00	2.12	-0.60	-22.1%
153	360	4719	5.96	5.91	0.56	6.11	3.00	5.39	5.16	5.39	-0.72	-11.8%
154	10	4366	9.83	9.78	0.26	9.86	7.48	5.86	3.50	7.48	-2.38	-24.1%
155	90	4562	162.90	165.72	6.39	163.48	148.24	144.50	149.73	149.73	-13.75	-8.4%
156	20	4404	3.47	3.26	0.62	3.51	2.56	2.01	1.18	2.56	-0.95	-27.1%
157	10	4363	6.39	6.32	0.11	6.48	4.90	3.85	2.32	4.90	-1.58	-24.4%
158	25	4461	3.94	4.00	0.44	4.00	3.74	2.73	1.79	3.74	-0.26	-6.5%
159	90	4585	164.21	166.37	5.84	165.95	148.27	147.59	150.92	150.92	-15.03	-9.1%
160	20	4404	6.42	6.04	0.85	6.76	5.16	4.01	2.41	5.16	-1.60	-23.7%
161	20	4429	7.67	7.46	0.75	7.78	7.01	5.24	3.31	7.01	-0.77	-9.9%
162	20	4367	27.23	26.00	2.91	27.31	25.25	18.32	12.56	25.25	-2.06	-7.5%
163	90	4585	164.96	166.95	5.78	166.38	148.30	148.73	151.76	151.76	-14.62	-8.8%
164	20	4404	3.81	3.62	0.53	3.97	3.03	2.34	1.41	3.03	-0.94	-23.7%
165	25	4394	24.48	24.70	1.77	25.21	24.04	17.93	12.73	24.04	-1.17	-4.6%
166	25	4462	16.75	16.99	1.57	17.22	15.98	11.69	7.57	15.98	-1.24	-7.2%
167	25	4394	23.96	24.33	1.94	24.80	23.25	17.45	12.33	23.25	-1.55	-6.3%
168	20	4404	3.14	3.03	0.48	3.41	2.45	1.91	1.17	2.45	-0.96	-28.2%
169	20	4404	3.61	3.36	0.57	3.87	2.80	2.19	1.31	2.80	-1.07	-27.6%
170	20	4429	6.56	6.29	0.89	6.61	5.26	4.11	2.48	5.26	-1.35	-20.4%
171	25	4466	27.77	27.95	1.81	28.43	27.50	20.37	14.42	27.50	-0.93	-3.3%
172	30	4504	4.32	4.22	0.61	4.86	4.36	3.11	2.07	4.36	-0.50	-10.3%
173	20	4429	6.15	6.11	0.68	6.33	5.42	4.13	2.51	5.42	-0.91	-14.4%
174	90	4588	174.76	175.38	7.84	176.95	163.73	157.42	162.25	163.73	-13.22	-7.5%
175	30	4402	11.00	10.71	1.41	12.17	11.42	7.90	5.50	11.42	-0.75	-6.2%
176	25	4464	3.25	3.28	0.30	3.27	3.16	2.24	1.50	3.16	-0.11	-3.4%
177	25	4394	4.51	4.63	0.57	4.61	4.32	3.15	2.01	4.32	-0.29	-6.3%
178	25	4394	7.73	7.95	0.73	7.94	7.57	5.41	3.54	7.57	-0.37	-4.7%
179	20	4404	9.99	9.51	1.29	10.42	8.65	6.53	4.05	8.65	-1.77	-17.0%
180	20	4404	3.17	2.98	0.46	3.41	2.45	1.91	1.14	2.45	-0.96	-28.2%
181	90	4588	178.09	177.89	8.33	179.45	170.69	161.09	166.22	170.69	-8.76	-4.9%
182	20	4404	3.62	3.41	0.62	3.89	2.78	2.14	1.30	2.78	-1.11	-28.5%
183	25	4461	8.74	8.98	1.06	8.98	8.46	6.08	4.08	8.46	-0.52	-5.8%
184	20	4359	2.08	1.97	0.40	2.25	1.52	1.17	0.71	1.52	-0.73	-32.4%
185	25	4461	15.12	15.44	1.58	15.37	14.91	10.65	7.16	14.91	-0.46	-3.0%
186	25	4461	3.75	3.89	0.48	3.89	3.47	2.60	1.58	3.47	-0.42	-10.8%
187	25	4394	3.96	3.98	0.43	4.03	3.90	2.80	1.86	3.90	-0.13	-3.2%
188	25	4461	3.43	3.54	0.33	3.51	3.29	2.42	1.55	3.29	-0.22	-6.3%
189	25	4461	8.11	8.33	0.69	8.23	8.05	5.72	3.80	8.05	-0.18	-2.2%
190	20	4429	3.02	2.93	0.37	3.05	2.57	1.97	1.19	2.57	-0.48	-15.7%
191	90	4588	178.28	177.98	8.24	179.54	170.93	161.75	166.69	170.93	-8.61	-4.8%
192	25	4394	19.66	19.76	1.21	20.14	20.19	13.99	10.04	20.19	0.05	0.2%
193	30	4498	35.04	34.56	3.03	35.45	35.09	25.56	18.82	35.09	-0.36	-1.0%
194	25	4462	3.32	3.31	0.39	3.36	2.85	2.23	1.33	2.85	-0.51	-15.2%
195	15	4392	14.08	13.98	0.56	14.33	11.84	9.06	5.58	11.84	-2.49	-17.4%
196	20	4404	3.47	3.38	0.32	3.54	3.19	2.35	1.50	3.19	-0.35	-9.9%
197	30	4498	55.07	54.17	4.83	55.51	55.81	40.27	29.14	55.81	0.30	0.5%
198	25	4466	18.16	18.44	1.39	18.28	16.11	12.29	7.62	16.11	-2.17	-11.9%
199	90	4588	178.49	178.08	8.13	179.64	171.18	162.58	167.34	171.18	-8.46	-4.7%
200	20	4429	2.82	2.77	0.33	2.90	2.42	1.86	1.12	2.42	-0.48	-16.6%
201	30	4498	56.98	55.97	4.66	57.32	57.50	41.60	30.62	57.50	0.18	0.3%
202	25	4394	19.02	19.11	1.29	19.54	18.86	13.36	9.00	18.86	-0.68	-3.5%
203	30	4498	57.80	56.76	4.50	58.15	58.30	42.35	31.55	58.30	0.15	0.3%
204	45	4496	17.37	17.32	0.93	17.40	17.62	12.40	9.66	17.62	0.22	1.3%
205	90	4532	180.53	178.90	7.22	181.13	173.79	167.24	171.44	173.79	-7.34	-4.1%
206	20	4429	3.08	3.05	0.27	3.15	2.73	2.08	1.26	2.73	-0.42	-13.3%
207	30	4504	75.96	73.79	7.10	81.40	76.21	56.09	41.31	76.21	-5.19	-6.4%
208	25	4394	4.06	4.11	0.27	4.18	4.01	2.93	1.87	4.01	-0.17	-4.1%
209	90	4562	188.81	187.08	8.71	192.29	188.45	173.67	180.57	188.45	-3.84	-2.0%
210	20	4404	2.94	2.79	0.42	3.14	2.30	1.80	1.08	2.30	-0.84	-26.8%
211	90	4562	189.47	187.48	8.72	194.30	189.52	174.74	181.81	189.52	-4.78	-2.5%
212	20	4359	4.29	4.11	0.53	4.55	3.51	2.70	1.62	3.51	-1.04	-22.9%
213	45	4525	77.98	77.61	4.10	78.72	78.16	59.19	45.22	78.16	-0.56	-0.7%
214	20	4429	5.86	5.64	0.74	5.88	5.15	3.89	2.50	5.15	-0.73	-12.4%
215	90	4586	189.60	187.54	8.73	194.40	189.64	175.20	182.10	189.64	-4.76	-2.4%
216	45	4362	78.70	78.63	4.15	79.47	78.38	60.49	46.59	78.38	-1.09	-1.4%
217	90	4586	190.87	188.44	8.84	195.34	192.01	176.94	184.05	192.01	-3.33	-1.7%
218	720	4747	0.62	0.62	0.24	0.69	0.13	0.18	0.28	0.28	-0.41	-59.4%
219	20	4404	5.73	5.49	0.74	5.75	4.85	3.73	2.25	4.85	-0.90	-15.7%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
220	20	4359	3.03	2.87	0.52	3.26	2.23	1.73	1.05	2.23	-1.03	-31.6%
221	20	4359	5.00	4.77	0.82	5.29	3.80	2.90	1.81	3.80	-1.49	-28.2%
222	20	4359	13.27	12.60	1.74	13.71	12.17	8.60	5.75	12.17	-1.54	-11.2%
223	20	4433	12.58	12.66	0.71	12.59	12.31	8.79	5.99	12.31	-0.28	-2.2%
224	20	4404	4.81	4.67	0.54	5.06	4.03	3.08	1.90	4.03	-1.03	-20.4%
225	20	4359	5.63	5.41	0.83	5.83	4.62	3.39	2.21	4.62	-1.21	-20.8%
226	20	4404	3.97	3.79	0.52	4.24	3.17	2.45	1.49	3.17	-1.07	-25.2%
227	20	4404	10.34	9.86	1.24	10.69	8.74	6.54	4.16	8.74	-1.95	-18.2%
228	20	4404	2.69	2.57	0.36	2.88	2.14	1.65	1.01	2.14	-0.74	-25.7%
229	20	4404	13.72	13.03	1.59	14.36	11.88	8.78	5.63	11.88	-2.48	-17.3%
230	20	4404	6.24	5.97	0.77	6.45	5.48	4.03	2.57	5.48	-0.97	-15.0%
231	30	4504	28.62	27.92	3.65	30.94	29.59	20.35	14.71	29.59	-1.35	-4.4%
232	20	4429	3.27	3.22	0.28	3.32	2.94	2.24	1.38	2.94	-0.38	-11.4%
233	30	4504	48.20	46.98	2.88	49.62	48.97	34.84	28.14	48.97	-0.65	-1.3%
234	20	4429	0.90	0.87	0.12	0.91	0.92	0.71	0.68	0.92	0.01	1.1%
235	45	4527	266.44	264.66	9.78	267.71	268.69	211.61	231.24	268.69	0.98	0.4%
236	20	4359	1.95	1.85	0.33	2.10	1.44	1.12	0.68	1.44	-0.66	-31.4%
237	45	4534	49.93	50.20	1.59	50.11	49.99	36.65	29.72	49.99	-0.12	-0.2%
238	25	4461	6.43	6.60	0.75	6.57	6.28	4.49	3.01	6.28	-0.29	-4.4%
239	20	4429	0.90	0.87	0.12	0.91	0.92	0.71	0.68	0.92	0.01	1.1%
240	10	4368	3.68	3.74	0.30	3.69	2.39	1.86	1.11	2.39	-1.30	-35.2%
241	30	4504	34.03	33.04	3.41	35.85	34.77	24.80	18.36	34.77	-1.08	-3.0%
242	25	4462	18.09	18.27	1.39	18.90	17.64	12.62	8.62	17.64	-1.26	-6.7%
243	30	4497	35.20	34.91	2.83	35.32	35.72	26.54	20.07	35.72	0.40	1.1%
244	20	4404	4.27	4.05	0.51	4.49	3.75	2.81	1.77	3.75	-0.74	-16.5%
245	45	4527	267.63	266.45	9.70	268.60	269.56	214.47	232.85	269.56	0.96	0.4%
246	15	4393	3.24	3.13	0.50	3.34	2.27	1.73	1.06	2.27	-1.07	-32.0%
247	10	4363	5.91	6.00	0.51	6.14	3.74	2.89	1.74	3.74	-2.40	-39.1%
248	20	4367	3.40	3.23	0.66	3.43	2.48	1.89	1.15	2.48	-0.95	-27.7%
249	10	4363	11.37	11.44	1.03	11.89	7.64	5.90	3.59	7.64	-4.25	-35.7%
250	45	4528	51.46	51.74	1.74	51.48	50.91	39.34	31.48	50.91	-0.57	-1.1%
251	45	4527	267.77	266.73	9.69	268.68	269.62	215.42	233.23	269.62	0.94	0.3%
252	10	4363	6.77	6.87	0.59	7.04	4.40	3.33	2.05	4.40	-2.64	-37.5%
253	20	4404	22.03	21.32	2.51	22.27	21.58	15.25	11.22	21.58	-0.69	-3.1%
254	20	4404	4.75	4.59	0.52	4.85	4.30	3.16	2.01	4.30	-0.55	-11.3%
255	45	4362	307.72	308.14	10.41	307.86	309.55	245.91	259.10	309.55	1.69	0.5%
256	10	4366	15.25	15.26	1.16	16.02	11.31	8.50	5.22	11.31	-4.71	-29.4%
257	30	4504	22.87	22.37	2.15	24.08	21.78	17.10	13.11	21.78	-2.30	-9.6%
258	30	4500	30.93	30.56	2.03	30.97	30.50	22.75	18.77	30.50	-0.47	-1.5%
259	45	4362	307.90	308.33	10.41	308.13	309.66	249.33	259.87	309.66	1.53	0.5%
260	20	4429	7.20	6.88	0.80	7.28	6.21	4.70	2.92	6.21	-1.07	-14.7%
261	20	4367	8.38	8.02	0.93	8.56	8.11	5.76	4.04	8.11	-0.45	-5.3%
262	25	4458	15.47	15.49	1.09	15.66	15.44	10.77	7.72	15.44	-0.22	-1.4%
263	45	4525	322.43	322.29	10.25	323.73	323.35	264.16	270.46	323.35	-0.38	-0.1%
264	20	4404	3.11	3.02	0.46	3.38	2.53	1.96	1.20	2.53	-0.85	-25.1%
265	20	4429	5.70	5.64	0.47	5.76	5.54	3.95	2.63	5.54	-0.22	-3.8%
266	20	4429	3.68	3.63	0.36	3.74	3.27	2.44	1.53	3.27	-0.47	-12.6%
267	30	4402	8.47	8.01	1.31	9.17	8.57	5.89	4.16	8.57	-0.60	-6.5%
268	20	4429	2.93	2.89	0.27	3.00	2.65	1.98	1.23	2.65	-0.35	-11.7%
269	25	4464	5.57	5.65	0.72	5.60	5.33	3.80	2.49	5.33	-0.27	-4.8%
270	20	4429	3.30	3.24	0.31	3.35	3.04	2.25	1.43	3.04	-0.31	-9.3%
271	25	4464	12.22	12.46	1.27	12.38	12.72	8.53	6.08	12.72	0.34	2.7%
272	45	4528	6.24	6.14	0.70	6.51	6.89	4.20	3.40	6.89	0.38	5.8%
273	25	4462	7.86	7.96	0.87	7.93	8.09	5.68	3.87	8.09	0.16	2.0%
274	20	4429	3.37	3.33	0.33	3.45	3.03	2.27	1.41	3.03	-0.42	-12.2%
275	25	4464	12.68	12.99	1.44	12.76	12.23	8.67	5.76	12.23	-0.53	-4.2%
276	20	4404	1.20	1.13	0.26	1.33	0.89	0.70	0.41	0.89	-0.44	-33.1%
277	25	4394	15.87	16.16	1.87	15.90	15.38	10.92	7.23	15.38	-0.52	-3.3%
278	25	4462	9.14	9.17	0.82	9.26	9.39	6.43	4.60	9.39	0.13	1.4%
279	25	4394	16.84	17.09	1.89	16.94	16.79	11.87	7.92	16.79	-0.15	-0.9%
280	45	4528	4.26	4.19	0.48	4.40	4.70	2.83	2.34	4.70	0.30	6.8%
281	45	4528	14.93	14.74	1.56	15.56	15.91	10.58	8.04	15.91	0.35	2.2%
282	20	4429	5.33	5.30	0.39	5.41	5.05	3.62	2.37	5.05	-0.36	-6.7%
283	45	4534	12.33	12.14	0.94	12.40	13.25	8.54	6.84	13.25	0.85	6.9%
284	25	4464	7.16	7.23	0.74	7.23	7.12	4.83	3.44	7.12	-0.11	-1.5%
285	20	4429	2.93	2.91	0.25	3.01	2.65	1.97	1.23	2.65	-0.36	-12.0%
286	25	4394	15.03	15.21	1.51	15.13	15.76	10.72	7.63	15.76	0.63	4.2%
287	45	4533	14.97	14.97	0.81	15.09	15.81	10.46	8.87	15.81	0.72	4.8%
288	45	4533	39.75	39.35	2.87	40.21	41.82	28.42	23.17	41.82	1.61	4.0%
289	30	4498	5.38	5.40	0.52	5.38	5.72	3.59	2.82	5.72	0.34	6.3%
290	30	4503	3.53	3.54	0.30	3.54	3.79	2.33	1.88	3.79	0.25	7.1%
291	25	4464	5.34	5.37	0.51	5.40	5.37	3.56	2.56	5.37	-0.03	-0.6%
292	45	4527	43.76	43.22	2.64	44.29	46.21	31.54	26.47	46.21	1.92	4.3%
293	45	4528	16.86	16.96	0.98	17.18	17.73	11.49	10.02	17.73	0.55	3.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
294	30	4402	28.52	27.69	3.50	31.25	29.98	20.50	14.91	29.98	-1.27	-4.1%
295	60	4559	47.58	46.36	6.07	51.09	54.22	27.85	35.23	54.22	3.13	6.1%
296	20	4359	28.33	28.15	1.13	28.66	27.62	27.35	26.75	27.62	-1.04	-3.6%
297	20	4371	31.00	30.84	1.36	31.09	30.11	28.14	27.29	30.11	-0.98	-3.2%
298	20	4367	22.98	21.98	3.79	23.41	18.78	13.84	8.86	18.78	-4.63	-19.8%
299	60	4559	1.40	1.40	0.01	1.41	1.41	1.35	1.31	1.41	0.00	0.0%
300	20	4429	5.60	5.44	0.59	5.63	5.23	3.86	2.50	5.23	-0.40	-7.1%
301	25	4394	10.15	10.49	1.26	10.38	9.80	6.98	4.61	9.80	-0.58	-5.6%
302	25	4461	24.20	24.78	1.82	24.63	24.46	17.02	12.02	24.46	-0.17	-0.7%
303	25	4461	8.53	8.82	0.82	8.72	8.17	5.92	3.88	8.17	-0.55	-6.3%
304	20	4399	6.16	6.17	0.58	6.16	5.51	4.18	2.54	5.51	-0.65	-10.6%
305	20	4429	17.23	17.10	1.12	17.27	17.03	12.05	8.58	17.03	-0.24	-1.4%
306	25	4461	12.98	13.23	0.99	13.07	13.28	9.44	6.38	13.28	0.21	1.6%
307	1440	4728	0.21	0.19	0.09	0.22	0.04	0.06	0.10	0.10	-0.12	-54.5%
308	30	4504	34.97	34.53	2.91	36.05	35.42	26.01	19.66	35.42	-0.63	-1.7%
309	25	4462	17.77	17.95	1.54	18.61	17.19	12.39	8.33	17.19	-1.42	-7.6%
310	45	4362	307.87	308.29	10.41	308.09	309.64	248.91	259.77	309.64	1.55	0.5%
311	30	4457	30.05	30.01	1.96	30.06	28.11	21.79	17.62	28.11	-1.95	-6.5%
312	20	4429	6.92	6.64	0.76	7.03	5.87	4.47	2.74	5.87	-1.16	-16.5%
313	20	4359	6.20	5.94	0.78	6.41	5.37	3.96	2.52	5.37	-1.04	-16.2%
314	25	4394	28.17	28.16	1.89	28.35	29.23	20.01	14.23	29.23	0.88	3.1%
315	20	4359	11.19	10.67	1.75	11.83	8.71	6.62	4.16	8.71	-3.12	-26.4%
316	20	4359	8.00	7.77	0.93	8.44	7.06	5.24	3.35	7.06	-1.38	-16.4%
317	30	4498	34.62	34.14	3.08	35.03	34.69	25.25	18.54	34.69	-0.34	-1.0%
318	25	4394	19.56	19.64	1.24	20.02	20.05	13.92	9.96	20.05	0.03	0.1%
319	360	4719	5.95	5.84	0.50	6.11	4.07	5.41	5.57	5.57	-0.54	-8.8%
320	360	4694	5.19	5.15	0.32	5.26	4.06	4.92	4.92	4.92	-0.34	-6.5%
321	120	4613	5.20	5.19	0.29	5.33	4.06	4.89	4.86	4.89	-0.44	-8.3%
322	120	4613	5.15	5.15	0.27	5.28	4.68	4.85	4.79	4.85	-0.43	-8.1%
323	360	4596	4.24	4.24	0.12	4.25	4.04	4.12	4.11	4.12	-0.13	-3.1%
324	360	4596	4.22	4.22	0.12	4.23	4.03	4.12	4.09	4.12	-0.11	-2.6%
325	25	4394	30.98	31.55	1.91	31.52	32.01	21.86	16.27	32.01	0.49	1.6%
326	25	4461	25.42	25.95	1.72	25.75	26.31	18.20	13.13	26.31	0.56	2.2%
327	20	4359	5.10	4.82	0.90	5.47	3.78	2.92	1.79	3.78	-1.69	-30.9%
328	20	4404	4.68	4.47	0.55	4.88	3.94	3.00	1.86	3.94	-0.94	-19.3%
329	20	4429	1.45	1.41	0.18	1.49	1.19	0.93	0.55	1.19	-0.30	-20.1%
330	45	4534	16.36	16.21	1.09	16.68	16.94	11.67	8.85	16.94	0.26	1.6%
331	20	4429	12.96	12.36	1.39	13.04	10.41	8.13	4.86	10.41	-2.63	-20.2%
332	20	4404	8.79	8.29	1.17	9.30	7.10	5.50	3.32	7.10	-2.20	-23.7%
333	20	4359	2.94	2.78	0.52	3.17	2.16	1.67	1.02	2.16	-1.01	-31.9%
334	25	4461	22.57	23.20	2.01	23.10	22.51	15.85	10.91	22.51	-0.59	-2.6%
335	20	4404	3.07	2.95	0.51	3.35	2.34	1.83	1.11	2.34	-1.01	-30.1%
336	20	4404	6.02	5.76	0.78	6.44	4.83	3.73	2.28	4.83	-1.61	-25.0%
337	20	4404	3.69	3.47	0.55	3.96	2.83	2.20	1.32	2.83	-1.13	-28.5%
338	20	4359	4.21	4.01	0.66	4.44	3.28	2.49	1.56	3.28	-1.16	-26.1%
339	20	4359	7.08	6.82	1.23	7.49	5.26	4.08	2.52	5.26	-2.23	-29.8%
340	20	4359	6.73	6.61	0.91	7.25	5.89	4.32	2.80	5.89	-1.36	-18.8%
341	20	4429	3.38	3.33	0.33	3.39	3.11	2.24	1.46	3.11	-0.28	-8.3%
342	60	4559	48.39	47.01	5.78	51.75	54.60	29.73	36.26	54.60	2.85	5.5%
343	20	4367	23.69	22.52	3.82	24.26	19.64	14.40	9.26	19.64	-4.62	-19.0%
344	20	4429	8.36	8.12	0.83	8.46	7.93	5.73	3.82	7.93	-0.53	-6.3%
345	20	4359	2.39	2.33	0.34	2.59	1.92	1.48	0.91	1.92	-0.67	-25.9%
346	20	4359	2.03	1.93	0.34	2.19	1.50	1.17	0.71	1.50	-0.69	-31.5%
347	20	4404	2.90	2.76	0.54	3.18	2.13	1.65	1.00	2.13	-1.05	-33.0%
348	25	4461	17.71	18.10	1.55	17.81	17.81	12.58	8.61	17.81	0.00	0.0%
349	25	4394	18.29	18.34	1.47	18.80	17.89	12.77	8.42	17.89	-0.91	-4.8%
350	20	4359	5.06	4.82	0.81	5.30	3.92	2.98	1.86	3.92	-1.38	-26.0%
351	30	4504	76.60	74.48	6.96	81.80	76.93	57.00	42.39	76.93	-4.87	-6.0%
352	20	4367	7.24	7.04	0.99	7.50	5.91	4.65	2.76	5.91	-1.59	-21.2%
353	20	4359	8.32	7.78	1.62	8.80	5.89	4.61	2.74	5.89	-2.91	-33.1%
354	20	4399	2.61	2.61	0.24	2.62	2.28	1.77	1.05	2.28	-0.34	-13.0%
355	45	4362	50.56	50.64	1.63	50.62	50.31	37.76	30.30	50.31	-0.31	-0.6%
356	45	4528	51.08	51.25	1.69	51.15	50.67	38.68	30.93	50.67	-0.48	-0.9%
357	20	4404	2.84	2.75	0.32	3.01	2.38	1.82	1.12	2.38	-0.63	-20.9%
358	20	4404	21.67	20.92	2.52	22.08	21.17	14.40	10.21	21.17	-0.91	-4.1%
359	20	4359	19.07	18.50	2.59	19.22	17.34	12.06	8.35	17.34	-1.88	-9.8%
360	20	4404	21.95	21.23	2.52	22.23	21.50	14.76	10.76	21.50	-0.73	-3.3%
361	45	4533	13.56	13.51	0.95	13.96	14.36	9.45	8.49	14.36	0.40	2.9%
362	20	4404	3.99	3.84	0.59	4.33	3.16	2.44	1.48	3.16	-1.17	-27.0%
363	20	4359	2.69	2.61	0.40	2.92	2.11	1.64	0.99	2.11	-0.81	-27.7%
364	20	4359	2.67	2.56	0.44	2.89	2.00	1.56	0.95	2.00	-0.89	-30.8%
365	20	4404	3.30	3.18	0.54	3.60	2.61	2.03	1.25	2.61	-0.99	-27.5%
366	20	4359	2.98	2.82	0.51	3.19	2.21	1.72	1.04	2.21	-0.98	-30.7%
367	20	4429	7.85	7.73	0.63	7.93	7.04	6.31	6.31	7.04	-0.89	-11.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
368	20	4404	2.57	2.43	0.49	2.81	1.88	1.45	0.88	1.88	-0.93	-33.1%
369	20	4429	7.44	7.22	0.81	7.55	6.75	4.95	3.23	6.75	-0.80	-10.6%
370	20	4404	4.37	4.23	0.55	4.66	3.74	2.81	1.78	3.74	-0.92	-19.7%
371	20	4359	3.12	2.98	0.50	3.32	2.39	1.83	1.14	2.39	-0.93	-28.0%
372	20	4359	2.86	2.74	0.50	3.13	2.12	1.65	1.01	2.12	-1.01	-32.3%
373	20	4429	6.07	5.72	0.83	6.10	4.82	3.77	2.26	4.82	-1.28	-21.0%
374	20	4359	1.98	1.84	0.44	2.06	1.37	1.08	0.62	1.37	-0.69	-33.5%
375	25	4464	6.15	6.20	0.77	6.20	5.92	4.17	2.78	5.92	-0.28	-4.5%
376	20	4429	4.83	4.76	0.52	4.90	4.20	3.17	1.97	4.20	-0.70	-14.3%
377	20	4404	27.20	25.73	3.65	27.73	25.20	18.04	12.17	25.20	-2.53	-9.1%
378	90	4562	162.64	165.45	6.55	163.43	148.24	143.66	149.44	149.44	-13.99	-8.6%
379	20	4359	1.46	1.38	0.28	1.59	1.06	0.81	0.49	1.06	-0.53	-33.3%
380	20	4359	11.17	11.06	0.57	11.79	10.53	7.59	5.08	10.53	-1.26	-10.7%
381	20	4429	2.27	2.24	0.22	2.31	2.03	1.49	0.95	2.03	-0.28	-12.1%
382	20	4429	3.20	3.15	0.30	3.25	2.93	2.18	1.38	2.93	-0.32	-9.8%
383	20	4404	0.70	0.66	0.13	0.77	0.53	0.41	0.24	0.53	-0.24	-31.2%
384	25	4394	32.71	32.43	1.54	33.48	32.39	23.75	16.97	32.39	-1.09	-3.3%
385	30	4504	75.96	73.79	7.10	81.40	76.21	56.08	41.29	76.21	-5.19	-6.4%
386	20	4359	5.45	5.40	0.57	5.74	5.16	3.59	2.45	5.16	-0.58	-10.1%
387	25	4464	3.03	3.03	0.36	3.05	2.95	2.03	1.40	2.95	-0.10	-3.3%
388	25	4464	12.62	12.93	1.44	12.70	12.17	8.63	5.73	12.17	-0.53	-4.2%
389	60	4559	96.79	95.51	4.22	99.58	101.52	75.52	71.96	101.52	1.94	1.9%
390	20	4367	0.66	0.61	0.15	0.66	0.46	0.36	0.21	0.46	-0.20	-30.3%
391	20	4429	4.35	4.29	0.46	4.48	3.72	2.87	1.73	3.72	-0.76	-17.0%
392	20	4429	1.58	1.52	0.25	1.58	1.24	0.97	0.58	1.24	-0.34	-21.5%
393	20	4404	0.78	0.74	0.14	0.85	0.59	0.47	0.28	0.59	-0.26	-30.6%
394	20	4359	2.94	2.89	0.42	3.15	2.49	1.83	1.18	2.49	-0.66	-21.0%
395	20	4404	4.08	3.86	0.67	4.42	3.08	2.39	1.44	3.08	-1.34	-30.3%
396	20	4359	2.45	2.35	0.41	2.67	1.82	1.43	0.86	1.82	-0.85	-31.8%
397	30	4504	33.91	32.90	3.46	35.81	34.71	24.64	18.19	34.71	-1.10	-3.1%
398	20	4404	0.79	0.75	0.15	0.87	0.58	0.44	0.27	0.58	-0.29	-33.3%
399	20	4359	0.35	0.33	0.08	0.38	0.25	0.20	0.11	0.25	-0.13	-34.2%
400	360	4694	0.58	0.58	0.02	0.58	0.50	0.54	0.55	0.55	-0.03	-5.2%
401	20	4429	5.46	5.33	0.51	5.52	5.24	3.81	2.49	5.24	-0.28	-5.1%
402	20	4367	3.26	3.11	0.65	3.28	2.34	1.78	1.09	2.34	-0.94	-28.7%
403	20	4404	2.43	2.29	0.46	2.66	1.78	1.37	0.83	1.78	-0.88	-33.1%
404	25	4461	15.77	16.06	1.56	15.93	14.64	10.83	6.89	14.64	-1.29	-8.1%
405	20	4359	6.69	6.35	1.10	7.17	5.16	3.92	2.45	5.16	-2.01	-28.0%
406	20	4404	4.97	4.67	0.84	5.34	3.74	2.89	1.75	3.74	-1.60	-30.0%
407	60	4559	96.78	95.51	4.22	99.57	101.52	75.37	71.91	101.52	1.95	2.0%
408	45	4531	19.00	19.34	1.14	19.14	21.19	12.80	12.89	21.19	2.05	10.7%
409	45	4531	19.11	19.35	1.01	19.17	21.35	12.94	13.29	21.35	2.18	11.4%
410	60	4559	32.70	32.13	3.71	34.45	38.54	21.31	22.31	38.54	4.09	11.9%
411	20	4359	3.51	3.48	0.35	3.69	3.36	2.33	1.60	3.36	-0.33	-8.9%
412	25	4464	4.66	4.71	0.61	4.68	4.45	3.17	2.08	4.45	-0.23	-4.9%
413	20	4359	4.32	4.26	0.56	4.63	3.77	2.77	1.79	3.77	-0.86	-18.6%
414	20	4359	6.30	6.05	1.03	6.81	4.77	3.73	2.27	4.77	-2.04	-30.0%
415	20	4359	6.41	6.14	0.97	6.77	5.15	3.86	2.46	5.15	-1.62	-23.9%
416	20	4359	1.71	1.62	0.31	1.87	1.25	0.97	0.58	1.25	-0.62	-33.2%
417	20	4359	1.99	1.87	0.40	2.18	1.45	1.12	0.68	1.45	-0.73	-33.5%
418	20	4429	3.92	3.85	0.44	4.07	3.31	2.55	1.52	3.31	-0.76	-18.7%
419	25	4394	13.09	13.34	1.17	13.32	13.08	9.23	6.30	13.08	-0.24	-1.8%
420	45	4534	45.52	46.23	1.68	46.22	46.94	31.22	33.48	46.94	0.72	1.6%
421	20	4359	1.56	1.48	0.30	1.69	1.13	0.87	0.52	1.13	-0.56	-33.1%
422	20	4371	15.46	14.99	2.41	16.02	13.06	9.53	6.35	13.06	-2.96	-18.5%
423	20	4371	7.88	7.53	1.25	7.93	6.27	4.63	3.00	6.27	-1.66	-20.9%
424	20	4371	6.37	6.07	1.00	6.38	5.05	3.76	2.41	5.05	-1.33	-20.8%
425	10	4361	1.49	1.50	0.10	1.49	0.90	0.71	0.41	0.90	-0.59	-39.6%
426	20	4429	2.03	1.99	0.24	2.05	1.73	1.32	0.81	1.73	-0.32	-15.6%
427	20	4404	3.02	2.93	0.47	3.29	2.37	1.85	1.13	2.37	-0.92	-28.0%
428	20	4359	3.24	3.09	0.63	3.50	2.35	1.81	1.10	2.35	-1.15	-32.9%
429	45	4527	50.77	49.20	4.06	51.86	53.88	36.30	28.16	53.88	2.02	3.9%
430	20	4367	0.83	0.77	0.18	0.84	0.58	0.46	0.27	0.58	-0.26	-31.0%
431	20	4359	2.48	2.34	0.47	2.69	1.81	1.40	0.85	1.81	-0.88	-32.7%
432	20	4359	1.69	1.60	0.34	1.83	1.21	0.93	0.57	1.21	-0.62	-33.9%
433	20	4404	3.33	3.12	0.56	3.54	2.46	1.93	1.15	2.46	-1.08	-30.5%
434	20	4404	2.59	2.48	0.45	2.84	1.95	1.51	0.92	1.95	-0.89	-31.3%
435	20	4404	1.24	1.16	0.21	1.33	0.91	0.72	0.42	0.91	-0.42	-31.6%
436	45	4533	13.08	12.97	0.95	13.42	13.90	9.23	8.11	13.90	0.48	3.6%
437	45	4533	11.49	11.36	0.86	11.68	12.32	8.23	7.04	12.32	0.64	5.5%
438	30	4498	11.04	11.09	0.83	11.17	11.74	7.95	6.67	11.74	0.57	5.1%
439	30	4498	10.94	10.98	0.85	11.06	11.49	7.85	6.52	11.49	0.43	3.9%
440	30	4498	9.22	9.09	1.02	9.24	9.60	6.83	5.37	9.60	0.36	3.9%
441	30	4504	9.09	8.94	1.06	9.96	9.46	6.74	5.26	9.46	-0.50	-5.0%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
442	30	4402	8.63	8.36	1.12	9.49	8.88	6.42	4.93	8.88	-0.61	-6.4%
443	45	4533	14.02	14.01	0.92	14.47	14.82	9.69	8.90	14.82	0.35	2.4%
444	45	4533	14.13	14.14	0.89	14.57	14.91	9.79	9.03	14.91	0.34	2.3%
445	20	4429	1.33	1.29	0.17	1.35	1.09	0.85	0.51	1.09	-0.26	-19.3%
446	20	4429	0.86	0.82	0.13	0.86	0.68	0.53	0.32	0.68	-0.18	-20.9%
447	20	4429	3.56	3.49	0.38	3.61	3.27	2.42	1.54	3.27	-0.34	-9.4%
448	20	4429	2.29	2.26	0.23	2.32	2.04	1.51	0.96	2.04	-0.28	-12.1%
449	20	4429	1.97	1.92	0.24	2.00	1.64	1.28	0.77	1.64	-0.36	-18.0%
450	10	4356	0.16	0.17	0.02	0.17	0.11	0.09	0.05	0.11	-0.06	-35.3%
451	20	4404	0.76	0.71	0.14	0.82	0.57	0.46	0.27	0.57	-0.25	-30.5%
452	20	4404	0.44	0.41	0.09	0.48	0.32	0.25	0.15	0.32	-0.16	-33.3%
453	25	4464	5.79	5.73	0.54	5.85	5.89	3.80	2.85	5.89	0.04	0.7%
454	20	4404	1.32	1.26	0.22	1.44	0.99	0.78	0.47	0.99	-0.45	-31.3%
455	25	4464	5.88	5.85	0.55	5.92	6.14	3.96	2.98	6.14	0.22	3.7%
456	25	4462	0.25	0.26	0.03	0.26	0.24	0.17	0.11	0.24	-0.02	-7.7%
457	20	4404	1.38	1.33	0.23	1.51	1.08	0.84	0.52	1.08	-0.43	-28.5%
458	20	4367	0.48	0.44	0.11	0.48	0.33	0.26	0.15	0.33	-0.15	-31.3%
459	20	4404	1.51	1.42	0.29	1.65	1.11	0.86	0.52	1.11	-0.54	-32.7%
460	20	4404	2.58	2.44	0.49	2.83	1.89	1.47	0.88	1.89	-0.94	-33.2%
461	20	4404	3.40	3.17	0.55	3.67	2.58	2.00	1.20	2.58	-1.09	-29.7%
462	20	4359	1.63	1.60	0.24	1.77	1.33	1.01	0.63	1.33	-0.44	-24.9%
463	20	4404	0.64	0.60	0.13	0.70	0.47	0.36	0.21	0.47	-0.23	-32.9%
464	20	4404	0.89	0.84	0.14	0.94	0.69	0.54	0.32	0.69	-0.25	-26.6%
465	20	4404	0.27	0.25	0.06	0.30	0.20	0.16	0.09	0.20	-0.10	-33.3%
466	20	4429	0.98	0.95	0.13	1.00	0.79	0.62	0.37	0.79	-0.21	-21.0%
467	20	4429	3.91	3.77	0.50	3.96	3.34	2.54	1.54	3.34	-0.62	-15.7%
468	20	4359	2.55	2.41	0.48	2.80	1.87	1.44	0.87	1.87	-0.93	-33.2%
469	20	4359	1.52	1.43	0.31	1.67	1.10	0.85	0.51	1.10	-0.57	-34.1%
470	20	4404	0.91	0.85	0.19	1.00	0.66	0.51	0.30	0.66	-0.34	-34.0%
471	20	4404	0.73	0.68	0.15	0.81	0.53	0.41	0.24	0.53	-0.28	-34.6%
472	20	4404	0.55	0.51	0.12	0.60	0.40	0.31	0.18	0.40	-0.20	-33.3%
473	20	4404	0.90	0.85	0.16	0.98	0.67	0.53	0.31	0.67	-0.31	-31.6%
474	20	4359	3.33	3.20	0.55	3.61	2.54	1.96	1.20	2.54	-1.07	-29.6%
475	20	4404	2.86	2.72	0.49	3.11	2.13	1.66	1.01	2.13	-0.98	-31.5%
476	20	4404	0.30	0.27	0.06	0.32	0.21	0.16	0.10	0.21	-0.11	-34.4%
477	20	4359	0.40	0.37	0.09	0.41	0.27	0.22	0.12	0.27	-0.14	-34.1%
478	20	4404	0.87	0.82	0.18	0.96	0.63	0.49	0.29	0.63	-0.33	-34.4%
479	20	4404	1.41	1.34	0.23	1.52	1.06	0.82	0.49	1.06	-0.46	-30.3%
480	20	4404	3.36	3.18	0.47	3.60	2.61	2.04	1.22	2.61	-0.99	-27.5%
481	20	4404	3.85	3.66	0.48	3.99	3.21	2.47	1.49	3.21	-0.78	-19.5%
482	20	4429	0.10	0.09	0.02	0.10	0.07	0.06	0.03	0.07	-0.03	-30.0%
483	20	4429	0.33	0.31	0.05	0.33	0.25	0.20	0.12	0.25	-0.08	-24.2%
484	20	4429	0.66	0.65	0.07	0.67	0.59	0.44	0.27	0.59	-0.08	-11.9%
485	20	4404	1.58	1.49	0.30	1.73	1.16	0.89	0.53	1.16	-0.57	-32.9%
486	20	4404	1.67	1.57	0.28	1.81	1.25	0.98	0.59	1.25	-0.56	-30.9%
487	20	4359	0.29	0.27	0.06	0.31	0.21	0.16	0.09	0.21	-0.10	-32.3%
488	20	4404	0.38	0.35	0.08	0.42	0.27	0.21	0.12	0.27	-0.15	-35.7%
489	20	4404	3.43	3.33	0.49	3.71	2.79	2.13	1.32	2.79	-0.92	-24.8%
490	20	4359	0.14	0.13	0.03	0.15	0.10	0.08	0.04	0.10	-0.05	-33.3%
491	20	4429	0.55	0.52	0.09	0.55	0.42	0.33	0.20	0.42	-0.13	-23.6%
492	25	4394	1.07	1.10	0.15	1.07	0.99	0.75	0.46	0.99	-0.08	-7.5%
493	20	4359	0.18	0.16	0.04	0.19	0.12	0.10	0.06	0.12	-0.07	-36.8%
494	20	4404	0.36	0.34	0.07	0.39	0.27	0.21	0.12	0.27	-0.12	-30.8%
495	20	4359	0.46	0.42	0.10	0.50	0.33	0.25	0.15	0.33	-0.17	-34.0%
496	20	4359	0.55	0.51	0.12	0.60	0.39	0.31	0.18	0.39	-0.21	-35.0%
497	20	4404	1.39	1.35	0.20	1.51	1.14	0.87	0.54	1.14	-0.37	-24.5%
498	20	4429	0.74	0.72	0.10	0.74	0.61	0.47	0.28	0.61	-0.13	-17.6%
499	20	4404	0.65	0.60	0.13	0.71	0.49	0.38	0.22	0.49	-0.22	-31.0%
500	20	4359	0.68	0.63	0.15	0.73	0.48	0.38	0.22	0.48	-0.25	-34.2%
501	20	4404	0.79	0.74	0.16	0.86	0.57	0.44	0.26	0.57	-0.29	-33.7%
502	20	4404	27.43	26.19	3.63	27.84	25.52	18.29	12.47	25.52	-2.32	-8.3%
503	20	4404	1.08	1.02	0.20	1.18	0.81	0.63	0.38	0.81	-0.37	-31.4%
504	20	4404	1.48	1.42	0.25	1.62	1.11	0.87	0.52	1.11	-0.51	-31.5%
505	20	4404	0.60	0.56	0.10	0.65	0.46	0.36	0.21	0.46	-0.19	-29.2%
506	20	4359	0.44	0.40	0.09	0.48	0.31	0.24	0.14	0.31	-0.17	-35.4%
507	20	4429	0.81	0.79	0.09	0.83	0.69	0.52	0.32	0.69	-0.14	-16.9%
508	20	4429	0.41	0.39	0.06	0.41	0.32	0.25	0.15	0.32	-0.09	-22.0%
509	20	4429	1.24	1.21	0.15	1.27	1.03	0.80	0.48	1.03	-0.24	-18.9%
510	20	4429	4.17	4.05	0.49	4.24	3.50	2.70	1.64	3.50	-0.74	-17.5%
511	20	4429	5.16	5.01	0.55	5.21	4.51	3.40	2.09	4.51	-0.70	-13.4%
512	20	4429	5.35	5.18	0.54	5.38	4.73	3.55	2.22	4.73	-0.65	-12.1%
513	20	4359	2.75	2.66	0.41	2.93	2.22	1.69	1.05	2.22	-0.71	-24.2%
514	20	4367	0.95	0.88	0.21	0.95	0.66	0.52	0.30	0.66	-0.29	-30.5%
515	20	4404	1.27	1.21	0.22	1.38	0.94	0.74	0.44	0.94	-0.44	-31.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
516	20	4359	0.47	0.43	0.10	0.51	0.34	0.26	0.15	0.34	-0.17	-33.3%
517	20	4367	0.54	0.51	0.12	0.55	0.38	0.30	0.17	0.38	-0.17	-30.9%
518	20	4429	1.59	1.55	0.21	1.61	1.31	1.01	0.61	1.31	-0.30	-18.6%
519	20	4404	1.61	1.55	0.26	1.75	1.25	0.97	0.59	1.25	-0.50	-28.6%
520	20	4429	2.34	2.30	0.22	2.36	2.03	1.57	0.94	2.03	-0.33	-14.0%
521	20	4404	0.56	0.54	0.09	0.61	0.44	0.34	0.21	0.44	-0.17	-27.9%
522	20	4404	0.68	0.65	0.12	0.75	0.53	0.41	0.25	0.53	-0.22	-29.3%
523	20	4404	0.75	0.69	0.16	0.82	0.55	0.43	0.25	0.55	-0.27	-32.9%
524	20	4399	1.05	1.06	0.13	1.05	0.92	0.72	0.42	0.92	-0.13	-12.4%
525	10	4363	3.03	3.08	0.23	3.07	1.82	1.44	0.84	1.82	-1.25	-40.7%
526	20	4359	0.76	0.72	0.16	0.83	0.55	0.42	0.25	0.55	-0.28	-33.7%
527	20	4404	3.89	3.79	0.49	4.13	3.32	2.52	1.55	3.32	-0.81	-19.6%
528	10	4355	0.64	0.63	0.04	0.64	0.41	0.32	0.18	0.41	-0.23	-35.9%
529	10	4361	0.22	0.22	0.02	0.24	0.14	0.11	0.06	0.14	-0.10	-41.7%
530	20	4404	1.82	1.75	0.27	1.96	1.42	1.11	0.67	1.42	-0.54	-27.6%
531	20	4367	0.66	0.61	0.15	0.66	0.45	0.36	0.20	0.45	-0.21	-31.8%
532	10	4356	0.13	0.13	0.02	0.13	0.08	0.07	0.04	0.08	-0.05	-38.5%
533	20	4359	1.23	1.13	0.27	1.34	0.88	0.69	0.41	0.88	-0.46	-34.3%
534	15	4396	1.85	1.77	0.31	1.98	1.24	0.97	0.57	1.24	-0.74	-37.4%
535	20	4429	1.36	1.34	0.16	1.39	1.16	0.88	0.54	1.16	-0.23	-16.5%
536	20	4429	1.42	1.38	0.19	1.44	1.19	0.91	0.55	1.19	-0.25	-17.4%
537	20	4429	1.27	1.24	0.16	1.30	1.05	0.81	0.49	1.05	-0.25	-19.2%
538	20	4359	0.15	0.14	0.03	0.16	0.11	0.08	0.05	0.11	-0.05	-31.3%
539	20	4404	0.38	0.35	0.09	0.42	0.28	0.22	0.12	0.28	-0.14	-33.3%
540	20	4404	0.60	0.54	0.11	0.63	0.45	0.35	0.20	0.45	-0.18	-28.6%
541	20	4404	1.50	1.46	0.21	1.55	1.22	0.95	0.56	1.22	-0.33	-21.3%
542	20	4404	0.74	0.69	0.13	0.79	0.57	0.44	0.26	0.57	-0.22	-27.8%
543	25	4394	3.12	3.23	0.43	3.20	2.92	2.15	1.36	2.92	-0.28	-8.8%
544	20	4404	0.80	0.75	0.14	0.86	0.60	0.48	0.28	0.60	-0.26	-30.2%
545	20	4404	1.62	1.58	0.21	1.65	1.35	1.06	0.62	1.35	-0.30	-18.2%
546	20	4404	1.79	1.76	0.21	1.84	1.52	1.17	0.70	1.52	-0.32	-17.4%
547	20	4429	3.27	3.18	0.41	3.30	2.80	2.12	1.31	2.80	-0.50	-15.2%
548	20	4429	3.44	3.33	0.43	3.45	3.00	2.25	1.40	3.00	-0.45	-13.0%
549	20	4404	2.24	2.19	0.28	2.28	1.90	1.48	0.86	1.90	-0.38	-16.7%
550	25	4461	3.63	3.76	0.47	3.75	3.35	2.50	1.52	3.35	-0.40	-10.7%
551	25	4461	7.97	8.18	0.72	8.08	7.81	5.59	3.67	7.81	-0.27	-3.3%
552	25	4461	8.09	8.31	0.69	8.22	8.00	5.70	3.77	8.00	-0.22	-2.7%
553	25	4461	2.93	3.04	0.36	3.03	2.72	2.04	1.27	2.72	-0.31	-10.2%
554	20	4404	0.37	0.35	0.07	0.40	0.28	0.22	0.13	0.28	-0.12	-30.0%
555	20	4429	1.29	1.25	0.16	1.32	1.05	0.82	0.49	1.05	-0.27	-20.5%
556	30	4498	14.61	14.58	1.30	14.81	15.41	10.55	7.52	15.41	0.60	4.1%
557	30	4498	13.50	13.35	1.47	13.62	14.06	9.83	6.81	14.06	0.44	3.2%
558	20	4429	1.98	1.93	0.25	2.03	1.66	1.28	0.77	1.66	-0.37	-18.2%
559	20	4429	1.25	1.23	0.15	1.27	1.11	0.85	0.51	1.11	-0.16	-12.6%
560	20	4429	0.90	0.86	0.13	0.91	0.71	0.55	0.33	0.71	-0.20	-22.0%
561	20	4367	0.36	0.34	0.08	0.36	0.25	0.20	0.11	0.25	-0.11	-30.6%
562	20	4404	0.69	0.64	0.12	0.75	0.51	0.41	0.23	0.51	-0.24	-32.0%
563	10	4354	1.08	1.08	0.07	1.10	0.68	0.54	0.31	0.68	-0.42	-38.2%
564	10	4361	0.50	0.49	0.04	0.53	0.32	0.25	0.14	0.32	-0.21	-39.6%
565	20	4429	1.33	1.25	0.20	1.34	1.04	0.82	0.47	1.04	-0.30	-22.4%
566	20	4429	2.13	2.10	0.26	2.19	1.80	1.40	0.82	1.80	-0.39	-17.8%
567	20	4427	2.37	2.37	0.24	2.37	2.09	1.62	0.96	2.09	-0.28	-11.8%
568	25	4461	2.92	2.99	0.38	2.97	2.67	2.03	1.24	2.67	-0.30	-10.1%
569	20	4429	0.50	0.49	0.07	0.51	0.40	0.32	0.19	0.40	-0.11	-21.6%
570	25	4461	3.52	3.63	0.42	3.60	3.27	2.45	1.52	3.27	-0.33	-9.2%
571	20	4404	0.46	0.42	0.10	0.50	0.34	0.27	0.15	0.34	-0.16	-32.0%
572	20	4429	1.26	1.23	0.17	1.28	0.97	0.78	0.46	0.97	-0.31	-24.2%
573	20	4359	1.91	1.79	0.41	1.99	1.32	1.03	0.61	1.32	-0.67	-33.7%
574	15	4396	0.87	0.83	0.15	0.87	0.60	0.48	0.27	0.60	-0.27	-31.0%
575	20	4404	0.83	0.78	0.14	0.90	0.64	0.50	0.29	0.64	-0.26	-28.9%
576	20	4404	0.36	0.33	0.06	0.39	0.28	0.21	0.12	0.28	-0.11	-28.2%
577	20	4404	0.86	0.85	0.10	0.86	0.77	0.57	0.35	0.77	-0.09	-10.5%
578	20	4429	0.39	0.37	0.06	0.39	0.31	0.24	0.14	0.31	-0.08	-20.5%
579	20	4404	4.24	4.00	0.63	4.41	3.37	2.63	1.55	3.37	-1.04	-23.6%
580	20	4404	0.30	0.27	0.05	0.32	0.22	0.18	0.10	0.22	-0.10	-31.3%
581	25	4462	17.33	17.85	1.41	17.67	15.03	11.49	7.12	15.03	-2.64	-14.9%
582	20	4359	0.89	0.82	0.19	0.96	0.63	0.50	0.29	0.63	-0.33	-34.4%
583	20	4359	0.62	0.58	0.14	0.67	0.44	0.35	0.20	0.44	-0.23	-34.3%
584	20	4359	1.21	1.14	0.26	1.31	0.87	0.67	0.39	0.87	-0.44	-33.6%
585	20	4367	3.12	3.08	0.35	3.18	2.64	2.07	1.23	2.64	-0.54	-17.0%
586	20	4429	2.99	2.93	0.36	3.10	2.41	1.90	1.13	2.41	-0.69	-22.3%
587	20	4359	0.52	0.49	0.11	0.56	0.37	0.29	0.17	0.37	-0.19	-33.9%
588	20	4359	0.25	0.23	0.05	0.27	0.18	0.14	0.08	0.18	-0.09	-33.3%
589	20	4359	1.25	1.17	0.25	1.37	0.91	0.69	0.42	0.91	-0.46	-33.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
590	20	4404	1.53	1.45	0.24	1.62	1.16	0.89	0.54	1.16	-0.46	-28.4%
591	20	4359	2.15	2.04	0.38	2.31	1.60	1.25	0.76	1.60	-0.71	-30.7%
592	20	4367	0.48	0.45	0.11	0.49	0.34	0.27	0.15	0.34	-0.15	-30.6%
593	20	4404	0.51	0.46	0.10	0.55	0.38	0.30	0.17	0.38	-0.17	-30.9%
594	20	4404	0.57	0.52	0.11	0.61	0.43	0.33	0.19	0.43	-0.18	-29.5%
595	20	4359	1.42	1.32	0.30	1.56	1.03	0.80	0.47	1.03	-0.53	-34.0%
596	20	4367	0.49	0.46	0.11	0.49	0.34	0.27	0.16	0.34	-0.15	-30.6%
597	10	4361	0.48	0.46	0.04	0.50	0.28	0.23	0.13	0.28	-0.22	-44.0%
598	10	4355	0.88	0.87	0.06	0.89	0.53	0.42	0.24	0.53	-0.36	-40.4%
599	20	4359	2.00	1.85	0.42	2.19	1.44	1.12	0.67	1.44	-0.75	-34.2%
600	20	4367	0.55	0.51	0.12	0.55	0.38	0.30	0.17	0.38	-0.17	-30.9%
601	20	4404	0.43	0.39	0.09	0.46	0.32	0.25	0.14	0.32	-0.14	-30.4%
602	15	4396	0.99	0.93	0.19	1.00	0.67	0.53	0.30	0.67	-0.33	-33.0%
603	20	4359	1.97	1.84	0.43	2.09	1.38	1.08	0.64	1.38	-0.71	-34.0%
604	20	4404	5.05	4.71	0.85	5.07	3.73	2.97	1.74	3.73	-1.34	-26.4%
605	15	4396	0.71	0.66	0.14	0.71	0.49	0.39	0.22	0.49	-0.22	-31.0%
606	10	4355	0.37	0.36	0.03	0.37	0.22	0.18	0.10	0.22	-0.15	-40.5%
607	20	4367	3.29	3.05	0.72	3.42	2.28	1.80	1.05	2.28	-1.14	-33.3%
608	10	4354	1.29	1.29	0.09	1.31	0.78	0.62	0.36	0.78	-0.53	-40.5%
609	20	4367	3.03	2.80	0.66	3.17	2.09	1.66	0.96	2.09	-1.08	-34.1%
610	20	4404	1.62	1.51	0.31	1.76	1.17	0.91	0.54	1.17	-0.59	-33.5%
611	20	4359	0.18	0.17	0.04	0.18	0.12	0.10	0.05	0.12	-0.06	-33.3%
612	20	4404	5.51	5.32	0.81	5.52	4.21	3.35	1.97	4.21	-1.31	-23.7%
613	20	4367	0.21	0.19	0.05	0.22	0.15	0.12	0.07	0.15	-0.07	-31.8%
614	20	4404	1.20	1.13	0.24	1.31	0.87	0.67	0.40	0.87	-0.44	-33.6%
615	20	4359	1.32	1.24	0.25	1.43	0.96	0.74	0.44	0.96	-0.47	-32.9%
616	20	4359	0.26	0.24	0.06	0.27	0.18	0.14	0.08	0.18	-0.09	-33.3%
617	20	4429	0.95	0.90	0.15	0.95	0.73	0.57	0.34	0.73	-0.22	-23.2%
618	10	4361	0.98	0.99	0.07	0.99	0.58	0.46	0.26	0.58	-0.41	-41.4%
619	25	4464	2.40	2.45	0.30	2.42	2.28	1.66	1.06	2.28	-0.14	-5.8%
620	25	4464	2.95	2.99	0.30	2.98	2.85	2.03	1.33	2.85	-0.13	-4.4%
621	10	4364	0.37	0.37	0.05	0.38	0.23	0.19	0.11	0.23	-0.15	-39.5%
622	20	4429	0.76	0.75	0.09	0.78	0.65	0.50	0.30	0.65	-0.13	-16.7%
623	25	4394	1.26	1.30	0.18	1.29	1.17	0.88	0.54	1.17	-0.12	-9.3%
624	20	4404	1.33	1.29	0.13	1.40	1.25	0.90	0.59	1.25	-0.15	-10.7%
625	20	4429	1.44	1.42	0.15	1.48	1.27	0.95	0.59	1.27	-0.21	-14.2%
626	25	4394	4.10	4.22	0.56	4.16	3.87	2.84	1.80	3.87	-0.29	-7.0%
627	20	4404	1.25	1.16	0.25	1.36	0.91	0.72	0.42	0.91	-0.45	-33.1%
628	15	4396	0.66	0.62	0.12	0.67	0.45	0.36	0.20	0.45	-0.22	-32.8%
629	20	4429	0.65	0.63	0.09	0.67	0.54	0.41	0.25	0.54	-0.13	-19.4%
630	20	4404	0.29	0.27	0.05	0.32	0.22	0.17	0.10	0.22	-0.10	-31.3%
631	20	4429	1.00	0.99	0.10	1.03	0.88	0.66	0.41	0.88	-0.15	-14.6%
632	20	4359	0.66	0.62	0.15	0.70	0.46	0.37	0.21	0.46	-0.24	-34.3%
633	20	4359	1.03	0.96	0.22	1.13	0.74	0.57	0.34	0.74	-0.39	-34.5%
634	20	4359	1.48	1.40	0.30	1.61	1.07	0.81	0.49	1.07	-0.54	-33.5%
635	20	4404	2.07	1.95	0.40	2.27	1.52	1.17	0.71	1.52	-0.75	-33.0%
636	20	4359	0.99	0.93	0.21	1.07	0.70	0.55	0.32	0.70	-0.37	-34.6%
637	20	4404	1.53	1.46	0.27	1.68	1.13	0.88	0.53	1.13	-0.55	-32.7%
638	20	4359	1.05	0.99	0.21	1.15	0.76	0.58	0.35	0.76	-0.39	-33.9%
639	20	4404	3.12	3.01	0.47	3.39	2.44	1.90	1.16	2.44	-0.95	-28.0%
640	20	4359	1.15	1.08	0.23	1.26	0.83	0.64	0.38	0.83	-0.43	-34.1%
641	20	4359	0.71	0.66	0.15	0.76	0.50	0.39	0.23	0.50	-0.26	-34.2%
642	15	4396	1.83	1.72	0.35	1.83	1.26	1.00	0.58	1.26	-0.57	-31.1%
643	10	4361	1.40	1.40	0.09	1.42	0.85	0.68	0.39	0.85	-0.57	-40.1%
644	15	4393	3.65	3.50	0.58	3.76	2.40	1.88	1.11	2.40	-1.36	-36.2%
645	20	4404	1.18	1.11	0.23	1.29	0.86	0.66	0.39	0.86	-0.43	-33.3%
646	20	4429	3.52	3.39	0.41	3.61	2.88	2.25	1.36	2.88	-0.73	-20.2%
647	20	4359	1.70	1.60	0.34	1.87	1.24	0.95	0.58	1.24	-0.63	-33.7%
648	20	4359	0.50	0.46	0.11	0.53	0.35	0.27	0.16	0.35	-0.18	-34.0%
649	20	4359	2.09	1.99	0.36	2.25	1.57	1.21	0.74	1.57	-0.68	-30.2%
650	20	4359	3.09	2.90	0.61	3.38	2.25	1.73	1.05	2.25	-1.13	-33.4%
651	20	4404	0.89	0.84	0.17	0.98	0.65	0.50	0.30	0.65	-0.33	-33.7%
652	20	4359	0.83	0.78	0.18	0.89	0.59	0.46	0.27	0.59	-0.30	-33.7%
653	20	4359	1.15	1.08	0.24	1.25	0.83	0.64	0.38	0.83	-0.42	-33.6%
654	20	4359	1.49	1.40	0.30	1.61	1.08	0.83	0.50	1.08	-0.53	-32.9%
655	20	4404	0.87	0.81	0.17	0.95	0.63	0.49	0.29	0.63	-0.32	-33.7%
656	20	4359	0.44	0.41	0.10	0.48	0.31	0.25	0.14	0.31	-0.17	-35.4%
657	20	4359	0.74	0.69	0.16	0.80	0.52	0.41	0.24	0.52	-0.28	-35.0%
658	20	4359	0.32	0.30	0.07	0.34	0.22	0.18	0.10	0.22	-0.12	-35.3%
659	20	4359	1.12	1.04	0.23	1.20	0.79	0.62	0.36	0.79	-0.41	-34.2%
660	20	4359	0.62	0.58	0.13	0.67	0.44	0.35	0.20	0.44	-0.23	-34.3%
661	20	4359	0.35	0.32	0.08	0.37	0.25	0.20	0.11	0.25	-0.12	-32.4%
662	20	4359	2.16	2.05	0.44	2.34	1.55	1.20	0.72	1.55	-0.79	-33.8%
663	20	4367	0.46	0.43	0.10	0.47	0.32	0.26	0.15	0.32	-0.15	-31.9%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
664	20	4404	5.91	5.62	0.95	6.35	4.51	3.46	2.14	4.51	-1.84	-29.0%
665	20	4359	3.60	3.41	0.64	3.88	2.65	2.05	1.25	2.65	-1.23	-31.7%
666	25	4461	25.15	25.69	1.74	25.49	25.93	17.95	12.91	25.93	0.44	1.7%
667	20	4404	1.07	1.00	0.22	1.18	0.78	0.60	0.36	0.78	-0.40	-33.9%
668	20	4359	0.52	0.48	0.11	0.55	0.36	0.29	0.16	0.36	-0.19	-34.5%
669	20	4404	4.04	3.84	0.68	4.40	3.06	2.37	1.43	3.06	-1.34	-30.5%
670	20	4404	3.85	3.66	0.59	4.13	3.04	2.35	1.43	3.04	-1.09	-26.4%
671	20	4359	2.24	2.14	0.39	2.45	1.66	1.30	0.78	1.66	-0.79	-32.2%
672	20	4404	6.92	6.56	0.88	7.24	6.02	4.51	2.82	6.02	-1.22	-16.9%
673	20	4404	0.90	0.84	0.19	0.98	0.65	0.50	0.30	0.65	-0.33	-33.7%
674	20	4404	0.42	0.39	0.09	0.45	0.30	0.23	0.14	0.30	-0.15	-33.3%
675	20	4404	1.55	1.47	0.28	1.70	1.18	0.92	0.56	1.18	-0.52	-30.6%
676	20	4404	0.90	0.85	0.18	0.98	0.66	0.50	0.30	0.66	-0.32	-32.7%
677	20	4429	2.32	2.28	0.23	2.33	2.07	1.51	0.97	2.07	-0.26	-11.2%
678	20	4404	3.02	2.93	0.31	3.18	2.83	2.02	1.32	2.83	-0.35	-11.0%
679	20	4429	4.54	4.40	0.55	4.60	3.94	2.99	1.82	3.94	-0.66	-14.3%
680	20	4404	1.65	1.56	0.28	1.79	1.25	0.98	0.58	1.25	-0.54	-30.2%
681	20	4359	0.44	0.41	0.10	0.46	0.30	0.24	0.14	0.30	-0.16	-34.8%
682	20	4404	1.23	1.16	0.25	1.35	0.90	0.68	0.41	0.90	-0.45	-33.3%
683	25	4464	11.99	12.35	1.33	12.02	11.76	8.38	5.61	11.76	-0.26	-2.2%
684	20	4429	0.82	0.78	0.13	0.82	0.64	0.50	0.29	0.64	-0.18	-22.0%
685	20	4359	0.22	0.20	0.05	0.22	0.15	0.12	0.07	0.15	-0.07	-31.8%
686	10	4356	0.20	0.20	0.03	0.20	0.13	0.10	0.06	0.13	-0.07	-35.0%
687	20	4359	0.34	0.31	0.07	0.36	0.24	0.19	0.11	0.24	-0.12	-33.3%
688	20	4359	1.47	1.37	0.30	1.60	1.05	0.82	0.49	1.05	-0.55	-34.4%
689	20	4429	0.79	0.77	0.11	0.81	0.65	0.51	0.30	0.65	-0.16	-19.8%
690	20	4429	0.96	0.93	0.15	0.97	0.76	0.59	0.35	0.76	-0.21	-21.6%
691	20	4429	1.02	1.02	0.08	1.05	0.95	0.69	0.44	0.95	-0.10	-9.5%
692	20	4359	0.23	0.21	0.05	0.24	0.16	0.13	0.07	0.16	-0.08	-33.3%
693	20	4404	0.58	0.54	0.12	0.63	0.42	0.32	0.19	0.42	-0.21	-33.3%
694	20	4429	3.89	3.80	0.46	3.95	3.33	2.52	1.56	3.33	-0.62	-15.7%
695	20	4429	6.47	6.34	0.71	6.55	5.78	4.27	2.74	5.78	-0.77	-11.8%
696	20	4404	12.40	12.06	1.01	12.64	12.16	8.70	5.79	12.16	-0.48	-3.8%
697	20	4359	1.29	1.22	0.27	1.40	0.92	0.71	0.42	0.92	-0.48	-34.3%
698	20	4359	1.36	1.28	0.28	1.47	0.97	0.75	0.44	0.97	-0.50	-34.0%
699	20	4359	0.33	0.31	0.07	0.34	0.23	0.18	0.10	0.23	-0.11	-32.4%
700	20	4359	2.01	1.91	0.35	2.18	1.48	1.15	0.69	1.48	-0.70	-32.1%
701	20	4359	2.40	2.26	0.45	2.60	1.75	1.35	0.82	1.75	-0.85	-32.7%
702	20	4359	2.05	1.94	0.40	2.22	1.49	1.15	0.70	1.49	-0.73	-32.9%
703	20	4404	1.24	1.17	0.24	1.36	0.90	0.69	0.42	0.90	-0.46	-33.8%
704	20	4359	0.30	0.28	0.06	0.32	0.21	0.17	0.10	0.21	-0.11	-34.4%
705	20	4367	0.29	0.27	0.07	0.30	0.20	0.16	0.09	0.20	-0.10	-33.3%
706	20	4404	0.48	0.46	0.09	0.53	0.35	0.28	0.17	0.35	-0.18	-34.0%
707	20	4404	1.99	1.88	0.34	2.16	1.51	1.17	0.71	1.51	-0.65	-30.1%
708	25	4394	18.94	19.14	1.41	19.55	19.21	13.48	9.41	19.21	-0.34	-1.7%
709	25	4394	19.17	19.32	1.35	19.69	19.47	13.66	9.64	19.47	-0.22	-1.1%
710	25	4394	19.26	19.38	1.33	19.75	19.64	13.73	9.73	19.64	-0.11	-0.6%
711	20	4359	0.55	0.51	0.12	0.60	0.39	0.31	0.18	0.39	-0.21	-35.0%
712	20	4367	0.76	0.71	0.17	0.78	0.53	0.42	0.24	0.53	-0.25	-32.1%
713	20	4359	0.84	0.79	0.18	0.91	0.60	0.47	0.27	0.60	-0.31	-34.1%
714	20	4404	1.24	1.17	0.22	1.34	0.92	0.72	0.43	0.92	-0.42	-31.3%
715	25	4394	33.54	33.24	1.49	34.24	33.08	24.32	17.62	33.08	-1.16	-3.4%
716	20	4404	0.86	0.81	0.16	0.94	0.63	0.48	0.29	0.63	-0.31	-33.0%
717	25	4461	16.95	17.40	1.63	17.32	16.80	11.91	8.07	16.80	-0.52	-3.0%
718	20	4359	2.03	1.92	0.40	2.21	1.47	1.13	0.69	1.47	-0.74	-33.5%
719	20	4404	1.61	1.55	0.24	1.75	1.26	0.98	0.59	1.26	-0.49	-28.0%
720	20	4404	0.72	0.68	0.13	0.79	0.53	0.41	0.25	0.53	-0.26	-32.9%
721	20	4359	0.84	0.79	0.18	0.90	0.59	0.47	0.27	0.59	-0.31	-34.4%
722	20	4359	0.73	0.68	0.16	0.80	0.53	0.41	0.24	0.53	-0.27	-33.8%
723	20	4359	1.03	0.96	0.21	1.11	0.74	0.58	0.34	0.74	-0.37	-33.3%
724	20	4404	1.01	0.96	0.18	1.10	0.77	0.59	0.35	0.77	-0.33	-30.0%
725	20	4404	2.90	2.82	0.38	3.09	2.37	1.83	1.12	2.37	-0.72	-23.3%
726	20	4404	0.97	0.92	0.18	1.07	0.73	0.57	0.34	0.73	-0.34	-31.8%
727	30	4498	54.49	53.62	4.92	54.93	55.26	39.82	28.63	55.26	0.33	0.6%
728	20	4359	0.37	0.34	0.08	0.40	0.26	0.20	0.12	0.26	-0.14	-35.0%
729	20	4429	0.31	0.30	0.04	0.32	0.25	0.20	0.12	0.25	-0.07	-21.9%
730	20	4367	0.29	0.27	0.06	0.30	0.20	0.16	0.09	0.20	-0.10	-33.3%
731	20	4367	0.69	0.64	0.16	0.70	0.47	0.38	0.21	0.47	-0.23	-32.9%
732	20	4404	2.74	2.63	0.43	2.98	2.07	1.61	0.98	2.07	-0.91	-30.5%
733	20	4404	0.52	0.49	0.07	0.54	0.42	0.33	0.19	0.42	-0.12	-22.2%
734	20	4404	0.32	0.30	0.07	0.35	0.23	0.18	0.11	0.23	-0.12	-34.3%
735	20	4404	0.47	0.44	0.08	0.51	0.35	0.27	0.16	0.35	-0.16	-31.4%
736	20	4429	2.82	2.77	0.33	2.90	2.41	1.86	1.11	2.41	-0.49	-16.9%
737	20	4429	1.22	1.20	0.15	1.25	1.01	0.78	0.47	1.01	-0.24	-19.2%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
738	20	4429	1.34	1.31	0.17	1.38	1.10	0.85	0.51	1.10	-0.28	-20.3%
739	20	4429	0.72	0.69	0.10	0.73	0.58	0.45	0.27	0.58	-0.15	-20.5%
740	20	4429	2.11	2.04	0.26	2.13	1.80	1.38	0.83	1.80	-0.33	-15.5%
741	20	4404	0.35	0.32	0.07	0.38	0.26	0.20	0.12	0.26	-0.12	-31.6%
742	20	4429	0.82	0.78	0.13	0.83	0.65	0.50	0.30	0.65	-0.18	-21.7%
743	20	4429	0.68	0.65	0.10	0.69	0.54	0.42	0.25	0.54	-0.15	-21.7%
744	20	4404	1.02	0.95	0.21	1.12	0.77	0.60	0.35	0.77	-0.35	-31.3%
745	20	4404	0.34	0.32	0.07	0.37	0.25	0.20	0.12	0.25	-0.12	-32.4%
746	20	4404	0.64	0.60	0.13	0.70	0.47	0.36	0.21	0.47	-0.23	-32.9%
747	20	4404	0.87	0.83	0.17	0.96	0.65	0.51	0.30	0.65	-0.31	-32.3%
748	20	4429	1.21	1.17	0.17	1.23	0.97	0.75	0.45	0.97	-0.26	-21.1%
749	20	4404	0.60	0.54	0.12	0.64	0.45	0.35	0.20	0.45	-0.19	-29.7%
750	20	4404	0.51	0.48	0.09	0.56	0.39	0.31	0.18	0.39	-0.17	-30.4%
751	20	4404	1.23	1.22	0.11	1.25	1.09	0.82	0.51	1.09	-0.16	-12.8%
752	45	4525	77.94	77.53	4.10	78.65	78.15	59.03	45.10	78.15	-0.50	-0.6%
753	15	4396	0.80	0.75	0.15	0.82	0.55	0.44	0.25	0.55	-0.27	-32.9%
754	15	4393	1.91	1.84	0.32	1.92	1.28	1.01	0.59	1.28	-0.64	-33.3%
755	20	4359	2.83	2.70	0.57	2.95	1.98	1.56	0.92	1.98	-0.97	-32.9%
756	20	4404	0.16	0.15	0.03	0.17	0.12	0.09	0.05	0.12	-0.05	-29.4%
757	10	4356	0.06	0.06	0.01	0.06	0.04	0.03	0.02	0.04	-0.02	-33.3%
758	20	4404	3.95	3.72	0.60	3.99	3.06	2.38	1.42	3.06	-0.93	-23.3%
759	20	4404	1.46	1.38	0.25	1.58	1.13	0.88	0.53	1.13	-0.45	-28.5%
760	20	4404	0.89	0.82	0.19	0.97	0.66	0.51	0.30	0.66	-0.31	-32.0%
761	20	4359	0.89	0.86	0.15	0.97	0.68	0.53	0.31	0.68	-0.29	-29.9%
762	20	4359	1.67	1.61	0.27	1.82	1.28	0.99	0.60	1.28	-0.54	-29.7%
763	30	4504	35.00	34.60	2.89	36.06	35.46	26.14	19.75	35.46	-0.60	-1.7%
764	20	4404	0.64	0.60	0.13	0.71	0.47	0.36	0.21	0.47	-0.24	-33.8%
765	25	4462	17.83	18.02	1.52	18.67	17.26	12.44	8.40	17.26	-1.41	-7.6%
766	20	4429	3.14	3.10	0.28	3.20	2.76	2.12	1.30	2.76	-0.44	-13.8%
767	20	4404	1.30	1.22	0.23	1.41	1.02	0.79	0.47	1.02	-0.39	-27.7%
768	20	4359	0.44	0.41	0.10	0.46	0.30	0.24	0.14	0.30	-0.16	-34.8%
769	20	4429	0.67	0.65	0.09	0.68	0.54	0.42	0.25	0.54	-0.14	-20.6%
770	20	4359	0.49	0.45	0.11	0.52	0.34	0.27	0.15	0.34	-0.18	-34.6%
771	20	4359	0.30	0.28	0.07	0.31	0.20	0.16	0.09	0.20	-0.11	-35.5%
772	20	4359	1.01	0.94	0.22	1.07	0.71	0.56	0.32	0.71	-0.36	-33.6%
773	20	4359	1.34	1.25	0.30	1.38	0.91	0.73	0.42	0.91	-0.47	-34.1%
774	10	4354	0.56	0.56	0.04	0.56	0.32	0.26	0.15	0.32	-0.24	-42.9%
775	15	4358	1.07	0.98	0.21	1.09	0.72	0.58	0.33	0.72	-0.37	-33.9%
776	10	4354	0.91	0.90	0.06	0.91	0.57	0.45	0.26	0.57	-0.34	-37.4%
777	20	4404	0.83	0.79	0.15	0.91	0.62	0.48	0.29	0.62	-0.29	-31.9%
778	20	4359	1.65	1.59	0.27	1.80	1.26	0.97	0.59	1.26	-0.54	-30.0%
779	10	4356	0.04	0.04	0.01	0.04	0.03	0.02	0.01	0.03	-0.01	-25.0%
780	20	4429	1.31	1.27	0.18	1.34	1.05	0.82	0.48	1.05	-0.29	-21.6%
781	20	4404	0.29	0.27	0.06	0.32	0.21	0.17	0.10	0.21	-0.11	-34.4%
782	20	4404	0.21	0.19	0.04	0.23	0.15	0.11	0.07	0.15	-0.08	-34.8%
783	10	4361	0.34	0.33	0.03	0.36	0.22	0.18	0.10	0.22	-0.14	-38.9%
784	10	4361	0.28	0.27	0.02	0.30	0.16	0.13	0.08	0.16	-0.14	-46.7%
785	10	4356	0.09	0.09	0.01	0.09	0.06	0.05	0.03	0.06	-0.03	-33.3%
786	20	4359	0.67	0.63	0.16	0.68	0.44	0.36	0.21	0.44	-0.24	-35.3%
787	20	4429	2.27	2.15	0.30	2.28	1.83	1.40	0.86	1.83	-0.45	-19.7%
788	10	4356	0.15	0.15	0.02	0.15	0.10	0.08	0.04	0.10	-0.05	-33.3%
789	20	4404	0.26	0.25	0.06	0.29	0.19	0.15	0.09	0.19	-0.10	-34.5%
790	10	4361	0.59	0.57	0.05	0.62	0.38	0.30	0.17	0.38	-0.24	-38.7%
791	20	4359	0.32	0.30	0.07	0.35	0.23	0.18	0.11	0.23	-0.12	-34.3%
792	20	4359	0.55	0.52	0.12	0.60	0.39	0.31	0.18	0.39	-0.21	-35.0%
793	20	4404	0.84	0.80	0.16	0.92	0.62	0.48	0.29	0.62	-0.30	-32.6%
794	20	4404	0.44	0.42	0.08	0.48	0.33	0.25	0.15	0.33	-0.15	-31.3%
795	20	4404	0.66	0.64	0.11	0.72	0.51	0.40	0.24	0.51	-0.21	-29.2%
796	20	4404	0.56	0.52	0.10	0.60	0.42	0.33	0.19	0.42	-0.18	-30.0%
797	20	4404	3.63	3.49	0.45	3.87	3.07	2.32	1.45	3.07	-0.80	-20.7%
798	20	4429	0.79	0.76	0.11	0.81	0.63	0.49	0.29	0.63	-0.18	-22.2%
799	20	4404	0.60	0.57	0.11	0.66	0.45	0.35	0.21	0.45	-0.21	-31.8%
800	20	4404	1.06	1.00	0.20	1.16	0.77	0.60	0.36	0.77	-0.39	-33.6%
801	25	4394	3.24	3.30	0.43	3.25	3.07	2.21	1.45	3.07	-0.18	-5.5%
802	20	4359	0.14	0.13	0.03	0.15	0.10	0.08	0.05	0.10	-0.05	-33.3%
803	20	4404	0.63	0.58	0.13	0.69	0.45	0.35	0.21	0.45	-0.24	-34.8%
804	25	4458	15.41	15.41	1.12	15.55	15.39	10.74	7.66	15.39	-0.16	-1.0%
805	25	4462	14.75	15.01	1.36	14.97	14.32	10.18	7.00	14.32	-0.65	-4.3%
806	20	4359	8.23	7.93	0.93	8.63	7.82	5.62	3.83	7.82	-0.81	-9.4%
807	20	4359	7.68	7.46	0.91	8.15	6.75	4.94	3.24	6.75	-1.40	-17.2%
808	20	4367	1.18	1.10	0.26	1.21	0.82	0.65	0.38	0.82	-0.39	-32.2%
809	10	4361	1.20	1.21	0.09	1.20	0.71	0.56	0.33	0.71	-0.49	-40.8%
810	20	4404	3.32	3.29	0.34	3.36	3.01	2.24	1.39	3.01	-0.35	-10.4%
811	20	4429	2.66	2.59	0.34	2.72	2.24	1.71	1.05	2.24	-0.48	-17.6%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
812	20	4404	0.64	0.59	0.13	0.70	0.48	0.37	0.22	0.48	-0.22	-31.4%
813	20	4429	2.29	2.17	0.30	2.30	1.86	1.41	0.87	1.86	-0.44	-19.1%
814	30	4500	30.10	30.04	1.96	30.40	28.28	21.89	17.74	28.28	-2.12	-7.0%
815	30	4500	30.90	30.53	2.04	30.96	30.44	22.71	18.73	30.44	-0.52	-1.7%
816	20	4359	0.23	0.21	0.05	0.25	0.17	0.13	0.08	0.17	-0.08	-32.0%
817	20	4404	0.63	0.59	0.13	0.69	0.46	0.35	0.21	0.46	-0.23	-33.3%
818	45	4527	266.33	264.48	9.79	267.63	268.61	211.28	231.04	268.61	0.98	0.4%
819	1440	4728	0.21	0.19	0.09	0.22	0.06	0.06	0.10	0.10	-0.12	-54.5%
820	20	4429	2.35	2.24	0.35	2.38	1.90	1.48	0.87	1.90	-0.48	-20.2%
821	45	4527	266.14	264.06	9.82	267.54	268.54	210.67	230.74	268.54	1.00	0.4%
822	45	4362	78.67	78.55	4.15	79.39	78.37	60.40	46.53	78.37	-1.02	-1.3%
823	20	4429	1.81	1.80	0.14	1.85	1.66	1.21	0.77	1.66	-0.19	-10.3%
824	20	4404	1.32	1.27	0.22	1.44	1.04	0.81	0.49	1.04	-0.40	-27.8%
825	20	4359	0.14	0.13	0.03	0.14	0.09	0.07	0.04	0.09	-0.05	-35.7%
826	10	4354	0.92	0.92	0.06	0.93	0.56	0.44	0.25	0.56	-0.37	-39.8%
827	20	4367	1.22	1.14	0.27	1.27	0.84	0.67	0.39	0.84	-0.43	-33.9%
828	20	4359	1.41	1.32	0.32	1.47	0.97	0.77	0.45	0.97	-0.50	-34.0%
829	20	4359	3.15	2.95	0.70	3.28	2.17	1.70	0.99	2.17	-1.11	-33.8%
830	20	4359	1.60	1.50	0.34	1.75	1.15	0.89	0.54	1.15	-0.60	-34.3%
831	20	4359	0.72	0.67	0.16	0.76	0.50	0.40	0.23	0.50	-0.26	-34.2%
832	20	4359	1.03	0.95	0.23	1.10	0.73	0.57	0.34	0.73	-0.37	-33.6%
833	20	4359	0.54	0.50	0.12	0.57	0.38	0.30	0.17	0.38	-0.19	-33.3%
834	20	4359	0.74	0.69	0.16	0.80	0.53	0.41	0.24	0.53	-0.27	-33.8%
835	10	4357	0.20	0.20	0.02	0.20	0.13	0.10	0.06	0.13	-0.07	-35.0%
836	20	4404	3.55	3.38	0.53	3.84	3.03	2.26	1.43	3.03	-0.81	-21.1%
837	20	4404	1.27	1.20	0.24	1.40	0.93	0.72	0.43	0.93	-0.47	-33.6%
838	20	4367	0.46	0.43	0.10	0.47	0.32	0.26	0.15	0.32	-0.15	-31.9%
839	20	4429	2.01	1.98	0.21	2.04	1.78	1.33	0.84	1.78	-0.26	-12.7%
840	20	4367	0.52	0.49	0.12	0.52	0.36	0.29	0.16	0.36	-0.16	-30.8%
841	20	4359	1.62	1.53	0.35	1.71	1.12	0.89	0.53	1.12	-0.59	-34.5%
842	20	4359	0.24	0.22	0.06	0.24	0.16	0.12	0.07	0.16	-0.08	-33.3%
843	20	4359	3.05	2.94	0.49	3.30	2.37	1.82	1.12	2.37	-0.93	-28.2%
844	20	4404	3.63	3.47	0.54	3.90	2.87	2.20	1.38	2.87	-1.03	-26.4%
845	20	4429	5.76	5.63	0.63	5.81	5.20	3.89	2.41	5.20	-0.61	-10.5%
846	20	4404	0.85	0.80	0.17	0.93	0.62	0.47	0.28	0.62	-0.31	-33.3%
847	20	4359	2.02	1.96	0.31	2.19	1.58	1.22	0.75	1.58	-0.61	-27.9%
848	20	4404	0.93	0.87	0.19	1.02	0.67	0.52	0.31	0.67	-0.35	-34.3%
849	20	4359	1.20	1.12	0.25	1.32	0.87	0.68	0.40	0.87	-0.45	-34.1%
850	20	4404	0.60	0.56	0.12	0.66	0.44	0.34	0.20	0.44	-0.22	-33.3%
851	20	4359	3.72	3.60	0.56	4.02	2.87	2.21	1.35	2.87	-1.15	-28.6%
852	20	4359	1.85	1.74	0.34	2.01	1.35	1.04	0.62	1.35	-0.66	-32.8%
853	20	4359	2.53	2.39	0.47	2.75	1.87	1.44	0.88	1.87	-0.88	-32.0%
854	20	4359	2.24	2.09	0.45	2.44	1.65	1.27	0.76	1.65	-0.79	-32.4%
855	20	4359	0.48	0.45	0.09	0.51	0.34	0.27	0.16	0.34	-0.17	-33.3%
856	20	4359	0.57	0.53	0.13	0.59	0.39	0.31	0.18	0.39	-0.20	-33.9%
857	10	4356	0.06	0.07	0.01	0.06	0.04	0.03	0.02	0.04	-0.02	-33.3%
858	20	4359	0.24	0.22	0.05	0.24	0.16	0.13	0.07	0.16	-0.08	-33.3%
859	20	4359	0.58	0.54	0.13	0.61	0.40	0.32	0.18	0.40	-0.21	-34.4%
860	20	4359	0.99	0.92	0.20	1.08	0.71	0.55	0.33	0.71	-0.37	-34.3%
861	20	4359	0.66	0.61	0.14	0.72	0.47	0.37	0.22	0.47	-0.25	-34.7%
862	20	4359	1.09	1.03	0.23	1.19	0.78	0.61	0.35	0.78	-0.41	-34.5%
863	20	4359	1.14	1.06	0.23	1.25	0.82	0.63	0.38	0.82	-0.43	-34.4%
864	20	4359	4.87	4.68	0.79	5.30	3.70	2.87	1.74	3.70	-1.60	-30.2%
865	20	4404	5.65	5.28	0.85	6.01	4.42	3.44	2.08	4.42	-1.59	-26.5%
866	20	4404	6.15	5.80	0.87	6.47	4.82	3.75	2.27	4.82	-1.65	-25.5%
867	20	4404	1.27	1.19	0.26	1.40	0.93	0.71	0.42	0.93	-0.47	-33.6%
868	20	4404	0.96	0.91	0.18	1.06	0.71	0.54	0.33	0.71	-0.35	-33.0%
869	20	4404	0.49	0.46	0.10	0.54	0.36	0.27	0.16	0.36	-0.18	-33.3%
870	20	4359	3.86	3.73	0.28	4.22	3.37	2.57	1.58	3.37	-0.85	-20.1%
871	20	4359	0.15	0.14	0.03	0.17	0.11	0.09	0.05	0.11	-0.06	-35.3%
872	20	4429	2.98	2.96	0.24	3.09	2.59	2.02	1.19	2.59	-0.50	-16.2%
873	20	4404	1.34	1.26	0.27	1.48	0.98	0.75	0.45	0.98	-0.50	-33.8%
874	25	4461	10.65	10.85	0.65	10.79	10.55	7.31	5.08	10.55	-0.24	-2.2%
875	25	4461	10.79	10.95	0.63	10.92	10.77	7.46	5.21	10.77	-0.15	-1.4%
876	25	4460	11.01	11.13	0.64	11.12	11.12	7.69	5.38	11.12	0.00	0.0%
877	20	4429	1.99	1.91	0.23	2.03	1.63	1.27	0.76	1.63	-0.40	-19.7%
878	20	4359	0.64	0.59	0.14	0.68	0.45	0.35	0.20	0.45	-0.23	-33.8%
879	20	4429	16.29	16.17	1.05	16.30	16.11	11.38	7.97	16.11	-0.19	-1.2%
880	20	4404	0.92	0.85	0.18	1.00	0.67	0.52	0.30	0.67	-0.33	-33.0%
881	20	4359	0.34	0.31	0.08	0.37	0.24	0.19	0.11	0.24	-0.13	-35.1%
882	20	4429	4.56	4.46	0.48	4.66	3.97	3.03	1.86	3.97	-0.69	-14.8%
883	20	4429	4.44	4.36	0.47	4.56	3.80	2.92	1.77	3.80	-0.76	-16.7%
884	25	4461	21.94	22.63	2.08	22.57	21.70	15.36	10.46	21.70	-0.87	-3.9%
885	25	4464	15.00	15.42	1.08	15.00	15.04	10.49	7.39	15.04	0.04	0.3%

Subcatch ID	ARR2016 Discharge Statistics for All Durations and Temp. Patterns						Peak Discharge for the Reduced Set of Durations and Temporal Patterns (m^3/s)			Max of the Reduced Set (m^3/s)	Difference between the Reduced Set and Adopted	
	Critical Duration (mins)	Adopted Temp. Pattern	Discharge (m^3/s)				4463 TP for the 1 hour duration	4431 TP for the 2 hour duration	4529 TP for the 6 hour duration		m^3/s	%
			Average	Median	Standard Dev	Adopted						
886	20	4359	1.07	1.01	0.22	1.17	0.77	0.59	0.35	0.77	-0.40	-34.2%
887	20	4359	0.79	0.75	0.17	0.87	0.57	0.44	0.26	0.57	-0.30	-34.5%
888	20	4404	1.07	1.00	0.21	1.17	0.78	0.60	0.36	0.78	-0.39	-33.3%
889	20	4429	0.55	0.53	0.08	0.56	0.44	0.35	0.20	0.44	-0.12	-21.4%
890	20	4404	0.96	0.90	0.19	1.05	0.70	0.54	0.32	0.70	-0.35	-33.3%
891	20	4359	1.42	1.33	0.29	1.55	1.02	0.78	0.47	1.02	-0.53	-34.2%
892	20	4429	5.19	4.97	0.61	5.23	4.22	3.28	1.95	4.22	-1.01	-19.3%
893	20	4404	1.35	1.28	0.23	1.48	1.00	0.79	0.47	1.00	-0.48	-32.4%
894	20	4404	1.50	1.40	0.28	1.62	1.10	0.86	0.52	1.10	-0.52	-32.1%
895	20	4359	1.01	0.96	0.21	1.11	0.73	0.56	0.33	0.73	-0.38	-34.2%
896	20	4404	6.72	6.39	0.75	6.98	5.91	4.43	2.77	5.91	-1.07	-15.3%
897	20	4404	1.51	1.43	0.29	1.65	1.10	0.85	0.51	1.10	-0.55	-33.3%
898	20	4404	1.15	1.09	0.21	1.26	0.85	0.65	0.39	0.85	-0.41	-32.5%
899	20	4367	0.22	0.20	0.05	0.22	0.15	0.12	0.07	0.15	-0.07	-31.8%
900	20	4359	0.99	0.93	0.21	1.08	0.71	0.55	0.32	0.71	-0.37	-34.3%
901	20	4359	1.03	0.96	0.21	1.13	0.74	0.57	0.34	0.74	-0.39	-34.5%
902	20	4404	1.23	1.17	0.20	1.33	0.93	0.73	0.43	0.93	-0.40	-30.1%
903	20	4404	0.88	0.83	0.17	0.96	0.64	0.49	0.29	0.64	-0.32	-33.3%
904	25	4464	14.78	15.19	1.07	14.81	14.81	10.35	7.25	14.81	0.00	0.0%
905	20	4359	0.66	0.62	0.14	0.71	0.46	0.37	0.21	0.46	-0.25	-35.2%
906	20	4404	1.50	1.41	0.27	1.64	1.10	0.86	0.52	1.10	-0.54	-32.9%
907	25	4394	6.66	6.84	0.79	6.78	6.42	4.63	3.08	6.42	-0.36	-5.3%
908	20	4429	4.08	3.96	0.46	4.08	3.77	2.79	1.80	3.77	-0.31	-7.6%
909	20	4429	5.40	5.27	0.58	5.46	4.90	3.65	2.33	4.90	-0.56	-10.3%
910	20	4429	1.22	1.18	0.16	1.23	0.98	0.77	0.46	0.98	-0.25	-20.3%
911	20	4359	0.52	0.48	0.12	0.55	0.36	0.29	0.16	0.36	-0.19	-34.5%
912	25	4461	9.37	9.48	0.69	9.40	9.24	6.47	4.44	9.24	-0.16	-1.7%
913	20	4404	0.64	0.59	0.14	0.70	0.46	0.36	0.21	0.46	-0.24	-34.3%
914	20	4359	0.37	0.34	0.08	0.39	0.26	0.20	0.12	0.26	-0.13	-33.3%
915	20	4359	0.95	0.89	0.20	1.04	0.69	0.53	0.31	0.69	-0.35	-33.7%
916	20	4404	2.18	2.06	0.43	2.39	1.61	1.23	0.74	1.61	-0.78	-32.6%
917	20	4359	5.91	5.52	1.28	6.20	4.10	3.22	1.90	4.10	-2.10	-33.9%
918	15	4393	3.56	3.42	0.56	3.69	2.34	1.82	1.08	2.34	-1.35	-36.6%
919	15	4358	0.80	0.75	0.15	0.81	0.54	0.43	0.24	0.54	-0.27	-33.3%
920	20	4359	1.52	1.42	0.35	1.58	1.04	0.83	0.48	1.04	-0.54	-34.2%
921	20	4429	2.70	2.55	0.36	2.72	2.17	1.70	1.01	2.17	-0.55	-20.2%
922	20	4404	3.78	3.54	0.53	3.99	3.09	2.35	1.45	3.09	-0.90	-22.6%
923	20	4404	1.60	1.52	0.30	1.75	1.17	0.91	0.55	1.17	-0.58	-33.1%
924	20	4359	1.40	1.31	0.29	1.54	1.01	0.78	0.46	1.01	-0.53	-34.4%
925	20	4404	6.35	6.04	0.87	6.71	5.18	3.95	2.46	5.18	-1.53	-22.8%
926	20	4359	0.98	0.92	0.22	1.04	0.69	0.55	0.31	0.69	-0.35	-33.7%
927	20	4359	1.51	1.42	0.32	1.63	1.07	0.83	0.50	1.07	-0.56	-34.4%
928	10	4361	0.54	0.53	0.05	0.58	0.34	0.27	0.15	0.34	-0.24	-41.4%
929	20	4359	1.06	0.99	0.21	1.16	0.77	0.59	0.35	0.77	-0.39	-33.6%
930	20	4359	0.43	0.40	0.09	0.46	0.31	0.24	0.14	0.31	-0.15	-32.6%
931	20	4359	3.18	3.02	0.58	3.45	2.37	1.82	1.11	2.37	-1.08	-31.3%
932	20	4359	1.45	1.36	0.29	1.58	1.05	0.80	0.48	1.05	-0.53	-33.5%
933	20	4404	1.42	1.35	0.27	1.56	1.04	0.80	0.48	1.04	-0.52	-33.3%
934	20	4404	1.30	1.22	0.25	1.43	0.95	0.73	0.44	0.95	-0.48	-33.6%
935	20	4359	3.22	3.04	0.60	3.50	2.35	1.82	1.10	2.35	-1.15	-32.9%

Average Difference (All Subcatchments)	-3.89%
Average Difference (Focus Locations)	**0.78%**

Results for the PMF

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
1	861.67	1133.00	1265.00	1299.10	1398.90	**1528.90**	1480.10	1357.80	1236.40	1131.70
2	**11.27**	10.17	9.15	8.23	7.16	6.35	5.33	4.68	4.17	3.73
3	**10.39**	9.02	8.06	7.22	6.32	5.62	4.72	4.12	3.66	3.27
4	**21.68**	19.63	17.82	16.28	14.15	12.51	10.46	9.19	8.21	7.37
5	21.13	**21.75**	20.04	18.36	16.17	14.27	11.93	10.37	9.20	8.28
6	54.08	56.39	**56.63**	53.61	48.53	42.75	35.50	30.98	27.73	24.97
7	66.42	**74.62**	71.56	67.13	60.04	52.85	43.58	38.17	34.11	30.79
8	60.78	71.85	**72.95**	69.58	63.96	56.61	46.71	40.67	36.28	32.67
9	**9.78**	8.38	7.36	6.60	5.83	5.28	4.39	3.79	3.34	2.97
10	**93.83**	92.25	85.83	79.40	69.84	61.49	51.25	44.80	40.11	36.10
11	**10.42**	9.04	8.09	7.24	6.35	5.64	4.74	4.13	3.67	3.28
12	**39.22**	36.66	33.65	30.45	26.62	23.54	19.74	17.24	15.35	13.78
13	**7.46**	7.16	6.70	6.18	5.39	4.74	3.93	3.45	3.10	2.80
14	**10.00**	9.49	8.85	8.15	7.10	6.24	5.19	4.56	4.10	3.69
15	21.84	**22.08**	20.76	19.40	17.01	14.92	12.37	10.88	9.74	8.77
16	125.25	147.30	**149.55**	143.31	130.15	115.72	95.45	83.14	74.31	67.01
17	**7.61**	6.81	6.04	5.39	4.74	4.30	3.59	3.10	2.75	2.45
18	**30.81**	28.05	25.75	23.20	20.15	18.12	15.02	13.13	11.74	10.52
19	11.93	**14.29**	13.96	13.40	12.16	10.79	8.78	7.62	6.82	6.19
20	**49.97**	49.95	46.61	42.77	37.46	33.06	27.60	24.03	21.46	19.34
21	43.63	59.99	**65.56**	63.78	59.44	53.03	43.54	37.57	33.39	30.05
22	129.94	161.70	**167.27**	162.05	148.49	132.74	109.52	95.19	84.94	76.55
23	14.57	**16.22**	15.90	15.19	13.49	11.78	9.62	8.36	7.62	6.91
24	60.86	**64.39**	60.79	56.30	49.75	43.69	36.39	31.77	28.39	25.62
25	70.89	**79.74**	76.06	71.41	63.45	55.68	46.19	40.23	35.95	32.44
26	101.37	**109.86**	104.16	97.16	86.35	76.07	63.06	55.03	49.16	44.30
27	**12.34**	10.67	9.48	8.50	7.46	6.74	5.64	4.87	4.31	3.84
28	**10.79**	9.85	8.82	7.91	6.87	6.14	5.20	4.52	4.02	3.59
29	**44.00**	43.54	40.32	36.97	32.31	28.75	23.92	20.82	18.54	16.68
30	**14.21**	13.05	11.91	10.95	9.51	8.39	7.00	6.17	5.53	4.96
31	168.26	218.08	**233.25**	226.57	210.32	188.07	155.68	135.05	120.30	108.36
32	**10.71**	9.45	8.38	7.49	6.72	6.03	5.01	4.32	3.81	3.40
33	56.10	**56.14**	53.21	48.55	43.09	38.13	31.65	27.45	24.63	22.21
34	176.40	237.40	**252.10**	244.10	227.00	202.80	167.60	145.60	130.10	117.60
35	**13.35**	12.64	11.79	10.83	9.42	8.29	6.88	6.08	5.45	4.91
36	44.02	**44.28**	41.85	38.31	33.73	29.63	24.63	21.57	19.29	17.45
37	**19.60**	19.40	17.98	16.53	14.47	12.69	10.65	9.31	8.37	7.54
38	**23.71**	23.55	21.95	19.98	17.58	15.48	12.92	11.29	10.05	9.06
39	57.89	**59.69**	56.21	51.74	45.74	40.15	33.30	29.09	26.14	23.62
40	168.85	220.44	**240.64**	235.83	220.76	198.29	164.42	142.49	126.83	114.18
41	**8.96**	8.02	7.13	6.37	5.56	5.02	4.22	3.66	3.24	2.89
42	172.18	234.73	275.81	**280.02**	265.89	241.51	201.51	174.09	154.59	138.97
43	**13.72**	12.53	11.12	9.91	8.58	7.82	6.56	5.70	5.06	4.51
44	176.43	237.59	**252.59**	244.77	227.61	203.38	168.16	146.06	130.51	117.98
45	**10.42**	9.72	8.99	8.24	7.14	6.30	5.24	4.64	4.16	3.74
46	172.25	235.08	277.87	**284.10**	270.67	246.36	205.86	177.82	157.86	141.88
47	**8.27**	7.92	7.41	6.80	5.92	5.20	4.31	3.81	3.43	3.08
48	**14.03**	13.23	12.39	11.33	9.84	8.64	7.22	6.38	5.73	5.14
49	**9.51**	8.62	7.77	6.99	6.08	5.39	4.53	3.97	3.54	3.17
50	**29.47**	29.09	27.16	25.00	21.93	19.25	16.03	14.11	12.63	11.35
51	**11.99**	10.27	8.90	7.91	7.22	6.44	5.31	4.59	4.04	3.59
52	**25.71**	24.28	22.37	20.76	18.04	15.87	13.40	11.74	10.51	9.44
53	**24.64**	23.40	21.18	19.02	16.49	14.77	12.48	10.88	9.67	8.65

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
54	172.68	236.51	282.91	**294.35**	283.90	259.34	217.57	188.25	167.03	150.03
55	**12.72**	11.08	9.67	8.60	7.76	6.97	5.77	4.98	4.40	3.91
56	**40.12**	37.17	34.16	31.61	27.39	24.17	20.54	18.05	16.09	14.44
57	**55.31**	50.25	46.21	42.53	36.87	32.57	27.75	24.38	21.75	19.49
58	174.00	237.10	**260.30**	257.40	241.80	218.00	180.70	156.70	139.90	126.30
59	**18.82**	17.05	15.00	13.30	11.73	10.70	8.88	7.71	6.82	6.07
60	175.15	242.01	279.71	**285.24**	271.97	248.51	206.47	178.76	159.23	143.54
61	31.89	**32.15**	29.96	27.22	23.82	21.06	17.58	15.38	13.69	12.37
62	43.92	**48.76**	47.11	43.94	39.02	34.25	28.46	24.81	22.18	20.01
63	**15.82**	15.23	14.12	12.83	11.08	9.84	8.13	7.25	6.52	5.85
64	78.32	**90.11**	88.61	84.08	74.93	66.29	54.75	47.81	42.74	38.44
65	**8.65**	7.95	7.18	6.52	5.62	5.02	4.18	3.70	3.31	2.97
66	173.04	237.71	287.87	**307.38**	302.13	276.88	233.95	203.02	180.00	161.56
67	**9.08**	8.13	7.28	6.52	5.68	5.05	4.24	3.72	3.31	2.96
68	**12.12**	11.29	10.46	9.58	8.31	7.32	6.11	5.40	4.84	4.35
69	87.19	113.67	**117.05**	112.36	102.63	92.07	75.68	65.91	58.69	52.90
70	173.10	237.89	288.63	**309.82**	306.28	281.03	237.60	206.49	183.05	164.27
71	**11.39**	10.39	9.17	8.13	7.02	6.41	5.38	4.69	4.17	3.71
72	227.11	302.22	353.80	389.65	**393.21**	364.12	309.68	269.54	238.47	213.65
73	**18.77**	17.37	15.53	13.98	12.04	10.72	9.10	8.00	7.13	6.37
74	83.76	**102.04**	101.53	97.09	87.20	77.64	63.89	55.76	49.76	44.84
75	**9.87**	8.47	7.31	6.48	5.89	5.28	4.35	3.76	3.32	2.95
76	**36.89**	33.50	30.60	27.29	23.62	21.42	17.72	15.59	13.93	12.45
77	**49.92**	45.30	40.75	36.67	31.78	28.61	24.03	21.06	18.73	16.73
78	175.61	243.62	288.12	**301.49**	291.26	267.60	223.51	194.09	172.70	155.50
79	**11.68**	11.45	11.52	11.35	10.08	8.94	7.25	6.25	5.62	5.17
80	227.80	303.97	355.19	393.64	**402.51**	373.77	318.69	277.72	245.77	220.14
81	**11.28**	10.17	8.94	7.91	6.95	6.36	5.28	4.59	4.06	3.61
82	176.01	245.31	300.32	**321.83**	316.15	291.81	245.43	213.17	189.47	170.40
83	1.68	1.79	3.58	7.53	**10.26**	9.87	8.94	8.33	7.48	6.74
84	**25.11**	24.05	22.05	20.04	17.46	15.52	12.97	11.32	10.13	9.10
85	10.91	**11.07**	10.33	9.44	8.17	7.27	5.96	5.29	4.77	4.29
86	21.40	**22.47**	22.18	20.58	18.32	16.10	13.27	11.67	10.51	9.46
87	**9.64**	8.41	7.36	6.53	5.75	5.25	4.35	3.78	3.33	2.96
88	229.42	307.58	357.75	398.48	**413.02**	385.51	329.93	287.58	254.76	228.12
89	**10.13**	9.09	8.04	7.13	6.18	5.53	4.68	4.10	3.65	3.25
90	220.50	298.80	355.30	394.00	**411.40**	385.70	331.70	289.60	257.20	230.40
91	**10.78**	9.17	7.96	7.07	6.33	5.68	4.68	4.08	3.61	3.21
92	29.98	**32.71**	30.68	28.61	26.45	25.66	23.32	21.30	19.21	17.36
93	23.49	28.83	**30.66**	29.54	27.06	24.18	19.86	17.37	15.52	13.92
94	220.53	298.95	355.49	394.48	**414.27**	389.49	335.25	292.81	260.44	233.29
95	**11.94**	10.13	8.71	7.72	7.06	6.31	5.19	4.48	3.95	3.51
96	**13.24**	11.34	9.79	8.68	7.91	7.08	5.83	5.04	4.44	3.95
97	**13.46**	12.03	10.57	9.37	8.26	7.54	6.26	5.43	4.80	4.27
98	103.60	196.90	254.70	286.90	**303.30**	285.70	248.80	217.70	195.30	175.10
99	**13.99**	12.40	11.06	9.84	8.60	7.78	6.46	5.65	5.02	4.47
100	225.56	311.35	365.22	407.80	**434.84**	411.01	355.56	310.66	276.78	247.81
101	**12.13**	10.26	8.91	7.96	7.05	6.37	5.27	4.57	4.03	3.58
102	39.36	51.60	**53.57**	51.05	46.94	42.38	35.94	32.58	29.75	26.65
103	**26.06**	23.26	20.49	18.15	16.12	14.65	12.15	10.54	9.32	8.29
104	**33.73**	29.15	25.17	22.34	20.17	17.98	14.75	12.90	11.44	10.17
105	**9.88**	8.52	7.37	6.53	5.92	5.31	4.38	3.79	3.34	2.97
106	**0.02**	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
107	**13.52**	13.38	12.11	11.06	9.63	8.52	7.01	6.21	5.59	5.00
108	40.80	56.45	**60.74**	58.52	54.48	49.33	40.63	36.49	33.83	30.26

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
109	**10.97**	9.95	8.76	7.76	6.70	6.18	5.15	4.49	3.98	3.54
110	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	**14.34**	12.86	11.24	10.06	8.87	7.90	6.59	5.74	5.11	4.56
112	225.62	311.54	365.42	408.45	**442.70**	423.05	366.26	321.03	286.84	256.89
113	**12.57**	12.17	11.38	10.35	9.06	7.99	6.69	5.83	5.20	4.69
114	**18.03**	15.80	14.14	12.77	11.21	9.98	8.34	7.24	6.43	5.76
115	**12.19**	11.10	9.85	8.75	7.56	6.82	5.76	5.04	4.48	3.99
116	**90.04**	82.56	74.36	66.64	58.62	52.73	43.70	37.99	33.87	30.30
117	103.66	197.10	255.28	289.78	**317.30**	304.90	266.25	235.48	209.57	189.29
118	225.65	311.63	365.51	408.73	**446.51**	428.70	371.24	326.03	291.61	261.17
119	**18.55**	16.19	14.41	12.94	11.27	10.23	8.45	7.43	6.60	5.89
120	39.10	**42.91**	40.24	37.03	32.84	29.07	23.87	20.85	18.77	16.97
121	61.42	**68.88**	66.63	62.45	56.03	49.79	40.63	35.70	32.11	29.00
122	47.12	70.29	**77.31**	76.57	72.52	66.20	55.02	47.79	43.90	39.39
123	**100.92**	99.08	90.45	82.61	73.04	65.46	53.96	46.89	41.82	37.50
124	**0.02**	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
125	**17.64**	14.93	12.88	11.46	10.33	9.25	7.62	6.61	5.84	5.20
126	303.67	497.47	619.64	692.62	**763.51**	736.73	638.92	564.84	503.89	451.94
127	**25.92**	23.09	20.72	18.65	16.41	14.68	12.18	10.63	9.45	8.46
128	52.45	**54.43**	51.31	46.95	41.54	36.77	30.36	26.59	23.83	21.57
129	**22.43**	20.44	18.16	16.35	14.31	12.77	10.60	9.28	8.30	7.42
130	304.02	498.53	623.71	710.63	**808.34**	790.14	691.07	611.64	547.91	491.82
131	**37.28**	35.24	32.34	29.24	25.29	22.56	18.90	16.61	14.83	13.29
132	101.10	129.80	**135.50**	131.80	125.40	115.30	95.82	82.84	74.02	67.29
133	**29.71**	25.46	22.36	19.88	17.64	15.84	13.15	11.46	10.13	9.01
134	112.19	142.26	**156.88**	155.40	148.34	138.20	115.32	99.75	88.90	80.63
135	**18.77**	15.92	13.89	12.32	11.00	9.91	8.20	7.13	6.30	5.60
136	**19.07**	18.36	16.58	14.85	12.89	11.42	9.56	8.40	7.47	6.70
137	**14.97**	12.84	11.17	9.78	8.70	7.79	6.53	5.71	5.08	4.48
138	118.09	155.07	174.09	**174.92**	167.85	157.44	131.73	114.17	101.57	91.89
139	106.73	**116.41**	109.91	102.80	91.41	80.80	66.51	58.11	52.30	47.42
140	**11.25**	9.40	8.24	7.19	6.44	5.83	4.87	4.23	3.75	3.30
141	119.28	162.71	180.72	**183.31**	176.64	165.44	139.14	120.72	107.34	96.97
142	**6.91**	5.44	4.62	4.15	3.74	3.36	2.76	2.38	2.10	1.85
143	120.50	171.97	189.23	**195.47**	189.65	176.88	149.92	130.32	115.79	104.43
144	121.34	176.71	194.01	**202.55**	198.21	184.85	156.95	136.76	121.47	109.44
145	304.06	498.64	624.03	711.94	**817.89**	804.57	705.30	626.00	560.30	503.66
146	**29.62**	27.13	24.56	22.28	19.32	17.28	14.40	12.71	11.35	10.14
147	22.11	**24.27**	23.30	22.37	19.80	17.41	14.27	12.57	11.39	10.25
148	**10.12**	9.18	8.22	7.39	6.48	5.83	4.82	4.22	3.76	3.36
149	**23.43**	20.95	18.67	16.65	14.44	13.20	10.94	9.57	8.50	7.58
150	**37.81**	34.11	30.56	27.43	23.86	21.66	17.96	15.71	13.96	12.48
151	55.59	**56.41**	53.35	49.36	43.45	38.57	31.78	28.30	25.42	22.81
152	**9.46**	8.30	7.28	6.47	5.65	5.11	4.27	3.73	3.29	2.93
153	9.37	16.70	**16.87**	16.68	16.75	16.37	15.14	14.48	13.92	13.37
154	**38.49**	32.67	28.77	25.55	22.43	19.87	16.80	14.56	12.92	11.40
155	369.14	550.61	709.59	834.66	**972.09**	970.13	856.01	765.45	686.79	618.41
156	**13.89**	11.15	9.69	8.56	7.60	6.81	5.61	4.87	4.31	3.80
157	**24.37**	21.33	18.89	16.81	14.80	13.04	11.07	9.59	8.53	7.53
158	**15.32**	14.64	13.21	11.87	10.30	9.32	7.71	6.72	5.99	5.38
159	371.49	550.63	709.66	835.20	980.76	**984.30**	871.93	780.11	699.56	631.18
160	**22.55**	20.05	17.64	15.69	13.81	12.34	10.37	9.05	8.02	7.14
161	**29.06**	26.97	24.23	21.91	19.13	17.09	14.16	12.43	11.10	9.94
162	92.31	**94.38**	87.77	81.74	71.93	63.98	53.34	47.21	42.16	37.77
163	373.55	550.66	709.76	835.71	984.06	**989.68**	877.80	785.86	704.42	635.97

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
164	**13.81**	11.87	10.26	9.11	8.14	7.31	5.99	5.24	4.64	4.13
165	80.04	**84.12**	81.73	78.72	73.34	66.52	57.14	50.39	45.35	41.20
166	**60.82**	60.51	55.48	50.73	44.33	39.54	32.70	28.76	25.72	23.12
167	79.20	**81.18**	79.49	76.35	70.74	64.40	55.34	48.80	43.94	40.15
168	**12.76**	10.95	9.68	8.46	7.41	6.75	5.69	4.96	4.41	3.89
169	**14.21**	12.02	10.65	9.36	8.31	7.56	6.30	5.48	4.85	4.28
170	**27.05**	22.99	20.39	17.86	15.76	14.32	11.99	10.46	9.29	8.20
171	89.68	**96.93**	91.79	89.02	83.33	75.76	64.78	57.04	51.20	46.39
172	15.49	**15.97**	14.84	13.49	11.86	10.52	8.69	7.59	6.77	6.12
173	**24.27**	21.18	18.64	16.72	14.63	13.11	10.84	9.50	8.45	7.53
174	441.73	550.93	711.26	844.81	1017.40	**1035.80**	923.06	830.67	744.46	673.37
175	40.32	**42.38**	39.90	37.11	32.47	28.93	23.86	20.89	18.71	16.81
176	**14.22**	13.75	12.69	11.44	10.01	8.89	7.38	6.53	5.89	5.25
177	**21.45**	19.30	17.29	15.34	13.45	12.06	10.08	8.85	7.91	7.02
178	**35.80**	33.61	30.52	27.29	23.90	21.32	17.77	15.64	14.03	12.50
179	**42.82**	38.09	34.11	30.11	26.54	23.92	20.00	17.42	15.51	13.73
180	**11.37**	9.57	8.27	7.38	6.58	5.87	4.85	4.23	3.74	3.32
181	457.93	558.50	711.65	847.23	1029.00	**1052.70**	941.50	848.70	760.20	688.40
182	**12.73**	10.82	9.48	8.40	7.54	6.77	5.60	4.86	4.30	3.82
183	**33.99**	32.74	29.84	27.03	23.54	21.02	17.53	15.39	13.73	12.33
184	**7.01**	5.96	5.13	4.55	4.15	3.71	3.05	2.64	2.33	2.07
185	**56.23**	55.61	51.65	47.60	41.77	37.08	30.74	27.11	24.35	21.87
186	**13.71**	12.30	11.10	10.06	8.81	7.80	6.49	5.65	5.05	4.52
187	**13.88**	13.87	12.78	11.64	10.28	9.13	7.59	6.59	5.86	5.27
188	**12.11**	11.73	10.79	9.86	8.61	7.61	6.30	5.51	4.93	4.44
189	27.93	**28.19**	26.29	24.19	21.32	18.91	15.63	13.60	12.16	10.97
190	**11.04**	9.81	8.69	7.82	6.91	6.17	5.11	4.47	3.98	3.55
191	458.15	559.58	711.66	847.30	1030.40	**1055.30**	944.91	851.67	763.33	691.16
192	68.65	**76.48**	72.49	67.65	60.40	53.53	44.08	38.70	34.69	31.23
193	107.91	**129.56**	126.68	118.70	111.76	102.50	87.28	76.84	68.67	61.79
194	**13.67**	11.69	10.31	9.27	8.12	7.23	5.99	5.23	4.65	4.13
195	**56.09**	50.67	45.79	40.63	35.59	31.85	26.33	23.04	20.49	18.20
196	**13.98**	13.74	12.59	11.13	9.78	8.73	7.20	6.37	5.75	5.11
197	175.89	**209.76**	204.49	191.39	173.22	158.92	133.88	117.30	104.27	93.44
198	**70.80**	66.80	61.09	54.56	47.79	42.65	35.33	30.87	27.55	24.62
199	458.40	560.99	711.67	847.37	1032.10	**1058.50**	949.17	855.40	767.31	694.60
200	**12.95**	10.87	9.50	8.34	7.36	6.64	5.55	4.86	4.32	3.81
201	180.17	**218.26**	215.17	201.83	183.39	167.25	140.82	123.60	109.84	98.41
202	82.61	**83.97**	76.81	68.91	61.20	54.70	45.47	39.70	35.42	31.63
203	181.28	**222.07**	221.55	208.28	190.06	172.86	145.28	127.80	113.56	101.74
204	47.88	64.53	**67.21**	64.52	58.97	52.73	43.22	37.53	33.42	30.12
205	460.70	577.26	711.73	847.77	1045.10	**1078.00**	974.21	878.13	789.31	714.88
206	**13.38**	12.14	10.73	9.43	8.26	7.38	6.16	5.45	4.89	4.32
207	255.96	**298.51**	296.79	278.82	254.08	227.95	191.57	167.84	148.89	133.46
208	14.94	**15.44**	14.06	12.86	11.25	10.00	8.26	7.24	6.47	5.81
209	499.36	623.31	712.72	854.79	1070.00	**1108.60**	1006.90	909.66	818.60	742.06
210	**10.37**	9.02	7.85	7.00	6.18	5.54	4.61	4.02	3.55	3.16
211	499.87	626.03	712.75	854.95	1072.60	**1113.00**	1012.70	914.96	824.07	746.82
212	**16.99**	14.31	12.72	11.36	9.96	8.99	7.39	6.43	5.73	5.09
213	257.07	310.87	**320.61**	307.17	282.63	255.03	212.96	187.26	166.30	149.02
214	**20.33**	18.98	18.65	18.71	18.79	18.02	15.80	14.04	12.65	11.37
215	499.93	626.40	712.76	854.97	1073.20	**1114.90**	1015.60	917.72	827.19	749.23
216	257.18	312.53	**326.51**	316.43	292.38	264.99	221.00	194.39	172.80	154.90
217	501.24	638.07	713.93	857.23	1082.20	**1126.90**	1029.60	931.02	839.41	760.76
218	0.38	4.23	6.63	7.69	**8.21**	7.98	7.33	6.58	5.93	5.37

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
219	**19.85**	17.63	15.69	14.10	12.40	11.01	9.18	7.99	7.09	6.33
220	**8.96**	8.04	7.13	6.37	5.65	5.11	4.25	3.67	3.25	2.89
221	**14.96**	13.76	12.31	11.04	9.56	8.68	7.31	6.33	5.62	5.02
222	**45.91**	44.12	40.88	36.70	31.93	28.74	23.95	20.77	18.50	16.67
223	43.76	**46.25**	42.54	38.99	34.40	30.65	25.16	22.17	19.90	17.85
224	**19.10**	17.21	15.46	13.95	12.13	10.84	9.15	8.07	7.27	6.43
225	**22.16**	19.23	17.07	15.24	13.44	12.18	10.13	8.84	7.88	7.00
226	**14.37**	12.75	11.27	9.96	8.70	7.88	6.58	5.75	5.11	4.54
227	**41.65**	36.66	32.84	29.56	25.66	23.30	19.48	17.14	15.34	13.61
228	**9.19**	8.46	7.46	6.62	5.74	5.12	4.36	3.81	3.38	3.01
229	**55.14**	48.94	43.82	39.44	34.26	31.05	26.02	22.82	20.38	18.14
230	**22.82**	21.37	18.98	17.07	15.00	13.40	11.11	9.71	8.68	7.77
231	96.16	**109.92**	104.82	96.90	85.65	76.02	62.95	54.98	48.98	44.14
232	**12.50**	11.75	10.54	9.44	8.22	7.29	6.12	5.39	4.81	4.28
233	133.47	181.00	**193.01**	188.50	173.92	157.88	129.97	112.65	100.34	90.02
234	3.11	2.81	2.62	2.46	2.35	2.47	4.34	**5.04**	4.80	4.32
235	749.56	946.57	1027.30	1028.80	1280.60	**1335.50**	1233.30	1119.00	1015.80	920.77
236	**6.35**	5.74	5.03	4.45	3.91	3.58	2.97	2.58	2.28	2.03
237	134.50	184.58	**202.97**	201.00	187.88	171.48	141.80	122.80	109.27	97.91
238	**25.35**	24.37	22.33	20.19	17.53	15.67	13.07	11.47	10.24	9.20
239	3.11	2.81	2.62	2.46	2.35	2.47	4.34	**5.04**	4.80	4.32
240	**11.37**	9.22	7.87	7.26	6.55	5.76	4.71	4.05	3.56	3.16
241	112.12	**132.99**	130.88	122.59	109.07	97.28	80.12	69.85	62.44	56.14
242	**72.49**	72.37	66.28	60.81	53.41	47.93	39.82	34.78	31.10	27.81
243	112.87	136.31	**140.77**	135.14	122.04	109.37	90.39	78.65	70.18	63.01
244	**15.85**	14.55	12.93	11.64	10.16	9.12	7.58	6.63	5.91	5.29
245	750.54	948.21	1032.40	1039.10	1283.90	**1344.90**	1246.50	1131.70	1028.80	931.71
246	**10.44**	8.82	7.60	6.73	6.20	5.51	4.53	3.92	3.45	3.06
247	**17.62**	14.41	12.29	11.35	10.22	9.02	7.36	6.34	5.58	4.95
248	**11.37**	9.65	8.33	7.38	6.75	6.02	4.96	4.29	3.78	3.36
249	**35.38**	29.38	25.58	23.05	20.78	18.56	15.21	13.18	11.62	10.33
250	135.10	185.88	209.68	**214.09**	205.76	189.03	157.11	136.77	121.55	108.82
251	750.59	948.34	1033.10	1042.10	1284.40	**1348.20**	1252.80	1138.00	1034.60	937.31
252	**20.35**	16.99	14.57	13.10	12.00	10.64	8.72	7.52	6.63	5.89
253	71.21	**76.70**	76.40	72.27	64.10	57.42	47.78	41.32	36.83	33.10
254	**17.39**	16.00	14.30	12.93	11.39	10.18	8.40	7.31	6.54	5.86
255	849.72	1091.50	1205.60	1217.10	1368.70	**1460.80**	1377.00	1255.90	1144.50	1039.20
256	**49.94**	43.62	38.36	34.32	30.74	27.60	22.59	19.55	17.32	15.48
257	71.41	77.95	85.39	**86.04**	81.51	73.94	61.17	52.81	46.92	42.07
258	93.22	91.67	111.41	117.71	**117.91**	108.65	90.79	78.39	69.40	62.04
259	849.79	1091.70	1206.20	1219.30	1369.20	**1465.30**	1388.60	1267.40	1154.20	1050.70
260	**23.70**	21.99	19.91	18.12	15.90	14.03	11.79	10.30	9.18	8.22
261	26.26	**28.15**	26.95	24.86	21.97	19.29	15.93	14.02	12.55	11.30
262	49.33	**51.33**	50.48	47.30	42.07	37.11	30.84	26.80	24.10	21.75
263	861.44	1132.40	1262.70	1290.00	1397.00	**1516.90**	1456.30	1334.20	1214.30	1109.30
264	**10.20**	9.05	8.07	7.22	6.31	5.63	4.75	4.13	3.67	3.27
265	**20.82**	19.49	17.93	16.30	14.24	12.56	10.51	9.22	8.24	7.39
266	**12.86**	11.58	10.44	9.40	8.19	7.25	6.09	5.34	4.76	4.26
267	29.06	**30.20**	28.53	26.41	23.16	20.30	16.95	14.81	13.20	11.96
268	**10.65**	9.35	8.44	7.60	6.64	5.89	4.94	4.32	3.84	3.44
269	**20.65**	18.77	17.05	15.60	13.56	11.98	10.01	8.81	7.87	7.06
270	**11.99**	10.78	9.76	8.86	7.72	6.84	5.74	5.01	4.46	4.00
271	42.73	**43.24**	41.53	38.13	33.77	29.58	24.69	21.52	19.37	17.48
272	22.92	**24.34**	23.27	21.67	19.32	16.92	13.92	12.20	10.98	9.93
273	**28.59**	28.51	26.62	24.38	21.39	18.83	15.70	13.74	12.25	11.01

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
274	**12.22**	10.71	9.65	8.68	7.59	6.74	5.66	4.94	4.39	3.93
275	**47.07**	43.19	39.31	36.05	31.38	27.73	23.20	20.27	18.13	16.30
276	**3.89**	3.14	2.71	2.45	2.21	1.98	1.63	1.39	1.22	1.09
277	**58.45**	53.69	49.18	45.20	39.35	34.80	29.09	25.45	22.77	20.46
278	32.07	**32.10**	30.46	28.18	24.99	21.88	18.21	15.99	14.34	12.93
279	**61.95**	58.63	54.21	49.67	43.51	38.41	32.04	28.03	25.06	22.52
280	15.55	**16.59**	15.93	14.82	13.35	11.68	9.58	8.39	7.57	6.85
281	53.06	**56.76**	53.93	50.63	44.98	39.58	32.72	28.74	25.70	23.16
282	**19.49**	17.74	16.18	14.78	12.84	11.34	9.49	8.35	7.46	6.69
283	36.40	**45.17**	44.63	42.26	38.20	33.68	27.81	24.13	21.56	19.41
284	**24.93**	24.61	23.39	21.29	18.65	16.38	13.67	11.97	10.77	9.71
285	**10.53**	9.36	8.44	7.59	6.63	5.87	4.93	4.32	3.85	3.44
286	53.11	**53.48**	51.14	47.30	41.96	36.74	30.61	26.80	24.06	21.69
287	39.11	54.17	**56.86**	54.74	50.25	44.71	36.69	31.73	28.25	25.43
288	125.23	147.07	**148.82**	142.35	129.26	114.82	94.65	82.46	73.72	66.48
289	20.18	**20.50**	19.55	17.99	16.06	14.05	11.59	10.14	9.13	8.28
290	13.06	**13.60**	13.05	12.14	10.84	9.47	7.79	6.81	6.13	5.57
291	**19.95**	18.92	17.65	16.27	14.19	12.47	10.37	9.13	8.19	7.38
292	129.94	161.70	**167.18**	161.93	148.35	132.61	109.40	95.09	84.86	76.47
293	42.71	58.95	**63.99**	61.96	57.61	51.32	42.11	36.35	32.32	29.09
294	99.77	**106.15**	99.83	92.95	82.44	72.49	60.16	52.53	46.96	42.30
295	176.42	237.54	**252.41**	244.50	227.36	203.12	167.94	145.87	130.35	117.84
296	103.62	197.00	254.90	287.95	**309.23**	293.94	256.25	225.26	201.36	181.19
297	103.64	197.04	255.07	288.90	**312.47**	298.15	259.98	229.07	204.53	184.31
298	**79.76**	73.26	65.34	58.14	51.09	46.00	38.23	33.25	29.52	26.42
299	1.68	1.79	3.58	7.51	**10.22**	9.82	8.89	8.29	7.45	6.71
300	**20.81**	19.34	17.52	15.84	13.78	12.28	10.26	8.97	7.98	7.17
301	**36.91**	34.32	31.56	28.80	25.12	22.34	18.64	16.22	14.53	13.07
302	86.13	**89.26**	83.12	76.30	67.49	59.80	49.50	43.36	38.87	35.07
303	**32.41**	31.60	29.14	26.15	22.91	20.38	16.85	14.77	13.19	11.88
304	**23.31**	20.89	18.73	16.85	14.80	13.23	10.94	9.64	8.60	7.67
305	57.82	**63.90**	60.33	56.37	50.06	44.20	36.16	31.81	28.68	25.89
306	43.42	**46.57**	44.13	41.19	36.64	32.35	26.67	23.28	20.83	18.80
307	0.10	2.15	3.30	**3.54**	3.51	3.49	2.94	2.61	2.31	2.06
308	112.70	135.83	**138.30**	131.11	118.24	105.60	87.02	75.76	67.64	60.76
309	**71.69**	70.66	64.47	58.99	51.64	46.38	38.58	33.71	30.15	26.94
310	849.78	1091.70	1206.10	1219.10	1369.10	**1464.90**	1387.20	1266.00	1152.90	1049.20
311	87.70	82.20	107.92	**111.99**	111.14	101.61	84.92	73.17	64.82	57.97
312	**22.31**	20.70	18.76	16.96	14.88	13.14	11.04	9.65	8.62	7.70
313	**22.53**	20.97	18.57	16.70	14.66	13.09	10.87	9.50	8.49	7.60
314	95.75	**107.17**	101.41	93.73	82.53	73.01	60.54	52.91	47.15	42.50
315	**34.62**	31.52	28.43	25.50	22.11	20.00	16.82	14.63	12.99	11.60
316	**28.58**	25.77	23.86	21.34	18.63	16.72	13.88	12.13	10.86	9.72
317	107.17	**127.84**	124.45	116.50	109.91	100.63	85.79	75.53	67.51	60.77
318	68.42	**75.99**	71.95	67.12	59.89	53.08	43.71	38.38	34.41	30.98
319	10.49	**16.80**	16.56	16.21	16.25	15.95	14.79	14.18	13.64	13.11
320	9.91	11.88	11.79	12.24	**12.52**	12.30	11.77	11.47	11.20	11.00
321	11.89	11.84	11.50	11.87	**12.18**	11.99	11.50	11.22	11.01	10.85
322	**13.13**	11.83	11.14	11.43	11.76	11.60	11.17	10.93	10.81	10.68
323	5.10	5.82	6.33	6.71	7.32	7.72	8.20	**8.53**	8.74	8.85
324	5.10	5.82	6.33	6.70	7.31	7.70	8.16	**8.48**	8.68	8.79
325	106.00	**116.30**	110.00	102.80	91.56	80.92	66.59	58.21	52.36	47.44
326	89.46	**95.92**	89.96	83.14	73.56	65.12	53.80	47.06	42.22	38.09
327	**16.93**	14.76	13.00	11.53	10.25	9.29	7.70	6.68	5.91	5.25
328	**16.92**	14.87	13.17	11.77	10.38	9.33	7.72	6.75	6.00	5.35

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
329	**5.01**	4.27	3.81	3.41	3.00	2.67	2.24	1.95	1.73	1.54
330	47.49	**61.78**	61.55	58.38	52.70	47.03	38.46	33.45	29.84	26.93
331	**53.20**	44.88	39.65	35.13	30.85	27.68	22.91	20.08	17.88	15.78
332	**36.91**	31.12	27.49	24.20	21.36	19.33	16.20	14.13	12.56	11.09
333	**9.54**	8.46	7.42	6.58	5.87	5.32	4.40	3.82	3.37	3.00
334	81.28	**81.99**	76.23	69.61	61.36	54.42	45.12	39.56	35.40	31.97
335	**10.00**	8.75	7.73	6.89	6.10	5.51	4.58	3.97	3.51	3.13
336	**21.68**	18.98	16.58	14.71	12.93	11.63	9.66	8.46	7.51	6.68
337	**12.93**	10.96	9.63	8.55	7.64	6.85	5.68	4.94	4.36	3.88
338	**14.05**	12.63	11.11	9.90	8.68	7.79	6.52	5.70	5.07	4.51
339	**22.43**	20.53	18.13	16.09	13.93	12.84	10.71	9.31	8.26	7.35
340	**21.61**	20.31	18.61	17.17	14.88	13.10	11.08	9.72	8.70	7.80
341	**11.83**	10.91	9.94	9.06	7.86	6.94	5.82	5.12	4.58	4.11
342	176.97	239.95	**261.71**	257.30	240.58	216.25	178.96	155.29	138.63	125.20
343	**83.44**	76.13	68.08	60.73	53.34	48.04	39.88	34.68	30.85	27.60
344	**32.59**	30.70	27.81	25.22	21.87	19.55	16.31	14.34	12.79	11.48
345	**8.62**	7.69	6.74	5.98	5.19	4.67	3.93	3.44	3.06	2.72
346	**6.35**	5.70	5.03	4.47	3.94	3.58	2.98	2.58	2.28	2.03
347	**9.84**	8.38	7.27	6.46	5.77	5.23	4.32	3.74	3.30	2.93
348	62.79	**66.39**	62.38	57.75	51.01	45.25	37.38	32.89	29.50	26.61
349	**81.08**	79.41	72.15	64.48	56.98	50.99	42.47	37.10	33.10	29.53
350	**17.38**	15.49	13.53	12.04	10.62	9.54	7.91	6.93	6.16	5.49
351	256.51	301.87	**303.27**	286.51	261.62	235.19	197.25	173.05	153.59	137.65
352	**31.09**	25.94	22.86	20.28	17.87	15.88	13.24	11.48	10.22	9.02
353	**32.25**	25.71	22.45	20.09	17.77	15.98	13.22	11.40	10.07	8.87
354	**9.87**	9.03	8.06	7.15	6.26	5.56	4.63	4.10	3.65	3.24
355	134.68	185.06	**206.69**	206.18	195.15	178.91	148.07	128.22	114.04	102.15
356	134.94	185.57	208.57	**210.80**	201.13	184.56	153.18	133.00	118.23	105.87
357	**10.46**	9.38	8.22	7.32	6.40	5.79	4.77	4.19	3.73	3.33
358	70.67	**73.10**	69.89	64.82	56.69	50.18	41.95	36.34	32.44	29.20
359	**63.40**	61.61	56.56	51.35	44.99	39.88	33.65	29.21	25.99	23.42
360	71.13	**76.11**	73.61	68.48	60.10	53.53	44.64	38.64	34.48	31.01
361	38.61	49.59	**50.33**	47.64	43.41	39.19	33.91	30.75	27.98	25.16
362	**14.35**	12.44	10.83	9.62	8.51	7.61	6.34	5.54	4.91	4.37
363	**9.44**	8.38	7.30	6.48	5.68	5.09	4.27	3.73	3.31	2.94
364	**8.85**	7.99	7.02	6.21	5.41	4.97	4.14	3.60	3.19	2.83
365	**11.77**	10.25	9.10	8.07	7.02	6.39	5.35	4.66	4.13	3.68
366	**11.75**	9.87	8.49	7.46	6.73	6.00	5.03	4.37	3.87	3.41
367	23.73	25.92	**29.31**	28.47	27.13	26.59	23.40	21.45	20.25	19.11
368	**8.60**	7.39	6.35	5.64	5.10	4.59	3.78	3.26	2.87	2.55
369	**28.06**	25.78	23.29	21.14	18.29	16.37	13.66	12.06	10.77	9.63
370	**16.00**	14.62	13.05	11.69	10.14	9.12	7.63	6.70	5.97	5.32
371	**10.84**	9.91	8.73	7.71	6.66	6.12	5.13	4.47	3.97	3.53
372	**8.76**	7.70	6.82	6.10	5.42	4.89	4.07	3.51	3.10	2.76
373	**25.30**	21.22	18.68	16.40	14.52	13.18	11.00	9.58	8.51	7.50
374	**7.78**	5.99	5.14	4.61	4.20	3.69	3.01	2.59	2.28	2.01
375	**22.74**	20.83	18.95	17.43	15.13	13.36	11.15	9.83	8.79	7.89
376	**16.67**	14.92	13.40	12.04	10.50	9.31	7.83	6.85	6.10	5.46
377	**100.19**	96.98	87.99	80.11	70.83	63.52	52.40	45.54	40.63	36.41
378	368.74	550.60	709.56	834.53	**970.15**	967.01	852.46	762.26	683.84	615.48
379	**4.44**	3.79	3.30	2.95	2.70	2.40	1.98	1.70	1.50	1.34
380	**40.18**	39.50	36.40	32.96	28.87	25.78	21.20	18.64	16.79	15.08
381	**8.23**	7.40	6.68	6.02	5.23	4.65	3.91	3.43	3.06	2.73
382	**10.34**	10.03	9.38	8.51	7.39	6.54	5.41	4.78	4.30	3.85
383	**2.31**	1.92	1.66	1.50	1.33	1.20	1.00	0.85	0.75	0.67

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
384	103.45	**117.92**	112.65	105.67	100.45	91.00	78.00	68.49	61.30	55.29
385	255.96	**298.50**	296.70	278.68	253.96	227.82	191.47	167.75	148.81	133.38
386	**18.96**	17.85	16.75	15.32	13.30	11.69	9.75	8.63	7.74	6.95
387	**10.93**	10.25	9.56	8.77	7.62	6.71	5.57	4.93	4.43	3.98
388	**46.86**	42.98	39.10	35.86	31.21	27.58	23.08	20.16	18.03	16.21
389	225.61	311.51	365.39	408.35	**440.87**	419.68	363.40	317.93	284.10	254.32
390	**2.25**	1.77	1.51	1.39	1.26	1.11	0.90	0.77	0.68	0.60
391	**15.82**	14.57	12.86	11.44	9.97	8.86	7.40	6.53	5.82	5.18
392	**5.16**	4.45	3.96	3.54	3.11	2.80	2.35	2.03	1.80	1.60
393	**2.55**	2.16	1.89	1.70	1.50	1.36	1.13	0.97	0.86	0.76
394	**9.59**	8.95	8.08	7.31	6.34	5.58	4.76	4.15	3.71	3.32
395	**14.37**	12.02	10.48	9.30	8.31	7.49	6.20	5.37	4.73	4.21
396	**8.11**	7.23	6.35	5.62	4.94	4.52	3.75	3.26	2.88	2.56
397	112.00	**132.47**	129.80	121.44	107.83	96.15	79.21	69.07	61.76	55.53
398	**2.66**	2.27	1.96	1.74	1.58	1.41	1.17	1.01	0.89	0.79
399	**1.22**	0.97	0.83	0.75	0.68	0.60	0.49	0.42	0.37	0.33
400	0.64	0.84	0.92	0.96	1.04	2.16	3.83	**4.42**	4.20	3.79
401	**21.79**	20.53	18.60	16.76	14.53	13.02	10.86	9.55	8.51	7.63
402	**10.73**	9.13	7.87	6.97	6.38	5.70	4.69	4.05	3.57	3.17
403	**8.16**	6.98	6.01	5.34	4.84	4.34	3.58	3.09	2.72	2.42
404	**58.20**	55.43	50.71	46.13	40.13	35.89	29.65	26.09	23.35	20.98
405	**23.13**	19.97	17.68	15.72	13.95	12.61	10.46	9.10	8.05	7.17
406	**17.47**	14.78	12.82	11.38	10.18	9.19	7.59	6.59	5.81	5.16
407	225.60	311.50	365.38	408.32	**440.27**	418.64	362.54	317.01	283.22	253.54
408	47.15	69.56	**75.52**	74.08	70.10	63.64	52.77	45.85	42.59	38.14
409	47.11	70.26	**77.22**	76.44	72.37	66.04	54.90	47.67	43.83	39.33
410	102.15	130.08	**135.65**	131.43	124.95	114.82	95.39	82.44	73.69	67.06
411	**12.32**	11.65	10.94	10.01	8.70	7.64	6.36	5.63	5.06	4.54
412	**17.23**	15.65	14.23	13.01	11.30	9.99	8.35	7.35	6.57	5.89
413	**15.76**	14.69	13.14	11.78	10.15	9.03	7.64	6.72	6.01	5.37
414	**19.09**	17.08	15.21	13.60	11.84	10.78	9.03	7.81	6.92	6.17
415	**20.28**	18.95	17.01	15.31	13.21	11.80	10.04	8.75	7.80	6.97
416	**5.66**	4.92	4.27	3.78	3.41	3.07	2.54	2.19	1.93	1.72
417	**6.76**	5.65	4.85	4.32	3.90	3.52	2.89	2.49	2.20	1.95
418	**15.22**	12.97	11.33	10.17	8.99	8.00	6.63	5.79	5.14	4.57
419	**47.03**	46.24	43.03	39.52	34.80	30.85	25.58	22.37	20.04	18.06
420	120.66	175.94	193.09	**201.22**	196.58	183.24	155.55	135.47	120.33	108.44
421	**4.70**	4.02	3.51	3.14	2.88	2.55	2.11	1.81	1.60	1.42
422	**49.28**	47.51	43.13	39.09	33.95	30.21	25.58	22.18	19.75	17.75
423	**23.88**	22.47	20.33	18.44	15.95	14.15	12.08	10.51	9.37	8.38
424	**19.43**	18.18	16.39	14.83	12.83	11.42	9.72	8.46	7.54	6.74
425	**4.48**	3.44	3.09	2.83	2.48	2.16	1.75	1.50	1.32	1.17
426	**6.91**	6.14	5.50	4.93	4.30	3.82	3.22	2.81	2.50	2.23
427	**9.51**	8.49	7.56	6.76	5.89	5.32	4.47	3.88	3.44	3.07
428	**9.63**	8.27	7.24	6.48	5.91	5.25	4.35	3.74	3.29	2.93
429	165.24	**192.29**	186.91	175.46	157.58	139.54	115.18	100.41	89.60	80.81
430	**2.57**	2.01	1.74	1.60	1.47	1.28	1.05	0.89	0.78	0.70
431	**7.38**	6.37	5.59	5.00	4.54	4.05	3.35	2.88	2.54	2.26
432	**5.11**	4.27	3.70	3.31	3.06	2.70	2.23	1.91	1.68	1.50
433	**10.54**	8.80	7.74	6.94	6.18	5.46	4.59	3.95	3.48	3.10
434	**8.49**	7.36	6.44	5.74	5.11	4.60	3.82	3.31	2.92	2.60
435	**3.98**	3.26	2.83	2.57	2.33	2.06	1.70	1.46	1.28	1.14
436	37.97	**48.04**	47.92	45.29	41.17	37.02	32.49	29.59	26.82	24.23
437	34.29	**42.31**	41.07	38.66	34.89	31.74	28.62	26.21	23.75	21.47
438	33.77	**40.46**	38.68	36.42	32.67	30.27	27.24	25.12	22.76	20.58

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
439	33.55	**39.66**	37.63	35.43	31.70	29.62	26.63	24.65	22.31	20.18
440	29.96	**32.57**	30.52	28.46	26.37	25.57	23.23	21.24	19.15	17.30
441	29.81	**31.86**	29.77	27.74	25.94	25.13	22.85	20.90	18.83	17.01
442	28.80	**29.64**	27.55	25.52	24.68	23.85	21.79	19.92	17.88	16.14
443	39.34	51.25	**52.80**	50.22	46.05	41.61	35.45	32.15	29.33	26.30
444	39.35	51.58	**53.52**	51.00	46.87	42.33	35.91	32.55	29.72	26.63
445	**4.50**	3.90	3.47	3.11	2.73	2.42	2.04	1.78	1.58	1.41
446	**2.83**	2.40	2.13	1.91	1.68	1.51	1.26	1.09	0.97	0.86
447	**11.63**	11.16	10.44	9.52	8.26	7.32	6.09	5.36	4.81	4.31
448	**8.28**	7.45	6.72	6.06	5.26	4.67	3.93	3.45	3.08	2.75
449	**6.59**	5.86	5.21	4.66	4.09	3.66	3.05	2.66	2.37	2.11
450	**0.50**	0.38	0.33	0.31	0.28	0.24	0.19	0.16	0.14	0.13
451	**2.19**	2.02	1.81	1.62	1.40	1.27	1.05	0.92	0.82	0.73
452	**1.50**	1.25	1.07	0.95	0.86	0.77	0.64	0.55	0.48	0.43
453	21.11	**21.15**	20.16	18.38	16.11	14.14	11.68	10.30	9.30	8.39
454	**4.41**	3.88	3.40	3.02	2.65	2.42	2.01	1.75	1.54	1.37
455	21.36	**22.06**	21.07	19.33	16.94	14.88	12.27	10.81	9.76	8.79
456	**1.04**	0.93	0.83	0.75	0.65	0.58	0.48	0.43	0.38	0.34
457	**4.72**	4.23	3.75	3.32	2.88	2.63	2.21	1.93	1.71	1.52
458	**1.62**	1.28	1.09	1.00	0.91	0.80	0.65	0.56	0.49	0.43
459	**5.19**	4.36	3.73	3.34	3.01	2.70	2.22	1.91	1.68	1.49
460	**8.79**	7.39	6.37	5.69	5.09	4.58	3.78	3.27	2.88	2.56
461	**11.87**	10.02	8.70	7.77	6.88	6.22	5.15	4.46	3.93	3.50
462	**5.81**	5.31	4.69	4.16	3.60	3.25	2.74	2.40	2.13	1.90
463	**2.21**	1.84	1.57	1.40	1.27	1.14	0.94	0.81	0.71	0.63
464	**3.26**	2.72	2.36	2.10	1.88	1.69	1.39	1.21	1.07	0.95
465	**0.90**	0.70	0.61	0.55	0.49	0.44	0.36	0.31	0.27	0.24
466	**3.35**	2.84	2.53	2.27	2.00	1.78	1.49	1.29	1.15	1.02
467	**13.94**	11.94	10.66	9.58	8.42	7.50	6.29	5.46	4.83	4.32
468	**8.70**	7.32	6.31	5.62	5.05	4.55	3.75	3.25	2.86	2.54
469	**5.16**	4.32	3.70	3.29	3.01	2.68	2.21	1.90	1.67	1.49
470	**3.16**	2.59	2.21	1.97	1.80	1.61	1.32	1.13	1.00	0.89
471	**2.54**	2.08	1.78	1.58	1.45	1.29	1.06	0.91	0.80	0.71
472	**1.90**	1.56	1.33	1.18	1.09	0.97	0.79	0.68	0.60	0.53
473	**3.13**	2.62	2.26	2.02	1.81	1.63	1.35	1.16	1.02	0.91
474	**11.48**	9.94	8.73	7.75	6.84	6.23	5.16	4.48	3.96	3.52
475	**9.72**	8.37	7.36	6.53	5.76	5.27	4.36	3.78	3.34	2.97
476	**1.03**	0.83	0.71	0.63	0.58	0.52	0.42	0.36	0.32	0.28
477	**1.35**	1.04	0.91	0.84	0.75	0.65	0.53	0.45	0.40	0.35
478	**2.98**	2.48	2.12	1.88	1.72	1.54	1.26	1.09	0.96	0.85
479	**4.96**	4.14	3.62	3.21	2.88	2.59	2.14	1.85	1.64	1.45
480	**11.67**	10.27	8.99	7.97	6.99	6.33	5.28	4.60	4.07	3.62
481	**13.96**	12.36	11.03	9.82	8.57	7.76	6.45	5.64	5.01	4.46
482	**0.36**	0.30	0.26	0.23	0.20	0.18	0.15	0.13	0.12	0.10
483	**1.18**	1.01	0.89	0.79	0.69	0.63	0.52	0.46	0.40	0.36
484	**2.60**	2.30	2.03	1.81	1.57	1.42	1.18	1.03	0.92	0.82
485	**5.30**	4.54	3.91	3.47	3.14	2.82	2.33	2.01	1.77	1.57
486	**5.63**	4.91	4.29	3.83	3.33	3.06	2.54	2.20	1.94	1.72
487	**1.02**	0.80	0.68	0.62	0.56	0.50	0.41	0.35	0.31	0.27
488	**1.34**	1.07	0.92	0.82	0.75	0.67	0.54	0.47	0.41	0.36
489	**12.08**	11.00	9.76	8.67	7.50	6.76	5.70	4.99	4.44	3.96
490	**0.49**	0.38	0.33	0.30	0.27	0.24	0.19	0.16	0.14	0.13
491	**2.00**	1.69	1.47	1.31	1.14	1.04	0.87	0.75	0.66	0.59
492	**4.13**	3.80	3.41	3.06	2.66	2.39	1.97	1.74	1.56	1.39
493	**0.61**	0.48	0.41	0.37	0.34	0.30	0.24	0.21	0.18	0.16

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
494	**1.30**	1.08	0.92	0.83	0.73	0.66	0.55	0.47	0.42	0.37
495	**1.59**	1.27	1.09	0.97	0.89	0.79	0.65	0.56	0.49	0.43
496	**1.92**	1.53	1.31	1.18	1.07	0.95	0.78	0.67	0.59	0.52
497	**5.04**	4.52	3.99	3.54	3.06	2.77	2.33	2.04	1.81	1.61
498	**2.72**	2.39	2.11	1.87	1.62	1.46	1.23	1.08	0.95	0.85
499	**2.32**	1.93	1.65	1.48	1.30	1.19	0.98	0.84	0.74	0.66
500	**2.33**	1.87	1.59	1.44	1.31	1.16	0.95	0.82	0.72	0.64
501	**2.69**	2.26	1.93	1.72	1.56	1.40	1.15	0.99	0.87	0.78
502	**100.90**	98.85	90.14	82.29	72.77	65.22	53.76	46.72	41.67	37.36
503	**3.69**	3.21	2.78	2.47	2.19	1.99	1.65	1.43	1.26	1.12
504	**4.98**	4.42	3.87	3.43	3.01	2.76	2.29	1.99	1.76	1.56
505	**2.15**	1.82	1.57	1.40	1.23	1.12	0.93	0.80	0.71	0.63
506	**1.53**	1.22	1.04	0.94	0.85	0.76	0.62	0.53	0.47	0.42
507	**3.15**	2.72	2.40	2.14	1.86	1.68	1.40	1.23	1.09	0.97
508	**1.52**	1.27	1.10	0.98	0.86	0.78	0.65	0.56	0.49	0.44
509	**4.72**	4.08	3.60	3.19	2.78	2.50	2.10	1.84	1.63	1.45
510	**14.86**	13.57	12.08	10.75	9.39	8.37	7.02	6.17	5.50	4.90
511	**18.81**	17.08	15.40	13.96	12.14	10.84	9.05	7.97	7.11	6.35
512	**19.64**	17.95	16.21	14.72	12.80	11.42	9.52	8.38	7.49	6.70
513	**9.59**	8.76	7.72	6.89	5.98	5.42	4.50	3.95	3.53	3.14
514	**3.23**	2.56	2.18	2.00	1.82	1.60	1.30	1.12	0.98	0.87
515	**4.22**	3.71	3.25	2.88	2.56	2.32	1.92	1.67	1.47	1.31
516	**1.62**	1.31	1.12	1.00	0.91	0.81	0.66	0.57	0.50	0.45
517	**1.85**	1.45	1.24	1.14	1.03	0.91	0.74	0.63	0.55	0.49
518	**5.90**	5.17	4.56	4.04	3.51	3.16	2.66	2.33	2.06	1.84
519	**5.56**	4.96	4.36	3.86	3.34	3.07	2.56	2.23	1.98	1.76
520	**8.12**	7.71	6.99	6.27	5.45	4.83	4.03	3.57	3.19	2.84
521	**1.97**	1.73	1.52	1.35	1.17	1.08	0.90	0.78	0.69	0.61
522	**2.38**	2.07	1.82	1.62	1.41	1.30	1.08	0.93	0.83	0.73
523	**2.68**	2.17	1.86	1.67	1.48	1.34	1.10	0.95	0.83	0.74
524	**4.07**	3.57	3.15	2.80	2.47	2.21	1.81	1.59	1.42	1.26
525	**9.05**	6.96	6.27	5.72	5.01	4.38	3.54	3.04	2.67	2.37
526	**2.61**	2.12	1.81	1.62	1.49	1.32	1.08	0.93	0.82	0.73
527	**12.89**	12.40	11.31	10.35	8.94	7.90	6.60	5.86	5.26	4.71
528	**1.99**	1.56	1.37	1.23	1.12	0.98	0.79	0.68	0.59	0.53
529	**0.70**	0.54	0.48	0.44	0.38	0.33	0.27	0.23	0.20	0.18
530	**6.41**	5.57	4.92	4.36	3.86	3.47	2.89	2.52	2.23	1.98
531	**2.23**	1.74	1.50	1.37	1.23	1.09	0.88	0.76	0.67	0.59
532	**0.43**	0.33	0.29	0.26	0.23	0.20	0.16	0.14	0.12	0.11
533	**4.29**	3.42	2.93	2.64	2.40	2.13	1.74	1.50	1.32	1.17
534	**5.98**	4.75	4.08	3.77	3.39	2.98	2.43	2.09	1.83	1.63
535	**4.73**	4.16	3.72	3.33	2.91	2.58	2.18	1.90	1.69	1.51
536	**4.91**	4.25	3.82	3.43	3.00	2.68	2.25	1.96	1.73	1.55
537	**4.40**	3.78	3.37	3.02	2.65	2.36	1.98	1.72	1.53	1.36
538	**0.49**	0.38	0.33	0.30	0.27	0.24	0.19	0.16	0.14	0.13
539	**1.26**	0.98	0.85	0.77	0.69	0.62	0.51	0.43	0.38	0.34
540	**2.00**	1.60	1.39	1.26	1.13	1.00	0.82	0.70	0.62	0.55
541	**5.27**	4.37	3.85	3.47	3.08	2.73	2.27	1.97	1.74	1.55
542	**2.50**	2.05	1.79	1.61	1.44	1.28	1.06	0.91	0.80	0.72
543	**11.73**	10.49	9.43	8.54	7.47	6.64	5.53	4.83	4.30	3.86
544	**2.91**	2.42	2.08	1.86	1.64	1.48	1.23	1.06	0.94	0.83
545	**5.72**	4.84	4.27	3.85	3.40	3.02	2.51	2.18	1.93	1.72
546	**6.34**	5.41	4.80	4.32	3.81	3.39	2.82	2.45	2.17	1.94
547	**11.43**	9.99	9.00	8.11	7.08	6.33	5.31	4.62	4.10	3.67
548	**12.07**	10.63	9.61	8.68	7.58	6.77	5.67	4.94	4.38	3.92

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
549	**7.91**	6.78	6.01	5.41	4.77	4.23	3.53	3.06	2.71	2.42
550	**13.30**	11.87	10.70	9.69	8.49	7.52	6.25	5.45	4.86	4.35
551	**27.60**	27.31	25.37	23.27	20.48	18.17	15.04	13.09	11.71	10.56
552	27.89	**28.01**	26.09	23.98	21.13	18.74	15.50	13.49	12.06	10.88
553	**10.54**	9.66	8.75	7.97	6.98	6.18	5.14	4.48	4.00	3.59
554	**1.35**	1.11	0.95	0.85	0.75	0.68	0.57	0.49	0.43	0.38
555	**4.86**	4.15	3.66	3.25	2.84	2.56	2.14	1.87	1.66	1.47
556	46.09	**54.41**	52.27	49.18	44.03	38.85	31.90	27.81	24.86	22.46
557	44.40	**49.60**	47.18	44.24	39.42	34.79	28.63	24.98	22.34	20.17
558	**7.67**	6.54	5.79	5.15	4.50	4.05	3.38	2.96	2.62	2.33
559	**4.51**	3.96	3.52	3.18	2.79	2.49	2.07	1.80	1.60	1.43
560	**3.06**	2.55	2.24	2.02	1.78	1.59	1.33	1.15	1.02	0.90
561	**1.14**	0.89	0.77	0.71	0.65	0.56	0.46	0.39	0.34	0.31
562	**2.30**	1.88	1.63	1.49	1.32	1.17	0.97	0.84	0.73	0.65
563	**3.10**	2.39	2.13	1.97	1.76	1.52	1.23	1.05	0.92	0.82
564	**1.46**	1.11	1.00	0.92	0.82	0.71	0.57	0.49	0.43	0.38
565	**4.70**	3.94	3.45	3.11	2.73	2.45	2.03	1.76	1.55	1.38
566	**8.03**	6.93	6.09	5.46	4.77	4.28	3.54	3.10	2.75	2.44
567	**9.13**	7.98	7.09	6.34	5.52	4.95	4.09	3.60	3.20	2.85
568	**11.48**	10.26	9.15	8.24	7.16	6.41	5.30	4.66	4.14	3.71
569	**1.87**	1.58	1.38	1.23	1.08	0.97	0.81	0.71	0.62	0.55
570	**13.52**	12.54	11.30	10.21	8.85	7.90	6.55	5.75	5.14	4.59
571	**1.64**	1.34	1.15	1.03	0.91	0.83	0.68	0.58	0.51	0.46
572	**4.19**	3.46	3.06	2.77	2.47	2.16	1.79	1.55	1.36	1.21
573	**5.83**	4.75	4.19	3.81	3.35	2.99	2.46	2.11	1.85	1.65
574	**2.73**	2.13	1.88	1.72	1.55	1.36	1.10	0.94	0.83	0.74
575	**2.99**	2.52	2.18	1.94	1.71	1.55	1.29	1.12	0.98	0.87
576	**1.23**	1.00	0.87	0.78	0.69	0.62	0.52	0.44	0.39	0.35
577	**3.25**	2.79	2.48	2.23	1.96	1.75	1.45	1.27	1.13	1.01
578	**1.32**	1.12	0.98	0.88	0.78	0.70	0.58	0.50	0.45	0.40
579	**14.16**	12.14	10.76	9.64	8.52	7.56	6.33	5.47	4.84	4.32
580	**1.10**	0.89	0.77	0.69	0.61	0.55	0.45	0.39	0.34	0.31
581	**69.38**	63.04	57.29	51.06	44.63	39.88	33.10	28.93	25.77	22.97
582	**3.06**	2.44	2.09	1.90	1.70	1.52	1.24	1.07	0.94	0.83
583	**2.14**	1.70	1.45	1.32	1.20	1.06	0.86	0.74	0.65	0.58
584	**4.15**	3.37	2.88	2.58	2.36	2.10	1.71	1.48	1.30	1.15
585	**12.88**	10.88	9.53	8.58	7.52	6.70	5.54	4.85	4.30	3.81
586	**12.08**	10.11	8.71	7.85	6.91	6.16	5.09	4.45	3.94	3.48
587	**1.80**	1.42	1.22	1.11	1.01	0.89	0.73	0.62	0.55	0.49
588	**0.88**	0.69	0.59	0.53	0.49	0.43	0.35	0.30	0.26	0.23
589	**4.25**	3.55	3.04	2.70	2.47	2.21	1.81	1.56	1.38	1.22
590	**5.38**	4.49	3.90	3.46	3.15	2.79	2.30	2.00	1.76	1.57
591	**7.34**	6.24	5.44	4.83	4.35	3.88	3.21	2.79	2.47	2.19
592	**1.65**	1.30	1.10	1.02	0.92	0.81	0.66	0.56	0.50	0.44
593	**1.86**	1.49	1.28	1.15	1.02	0.92	0.76	0.65	0.57	0.51
594	**2.10**	1.69	1.45	1.30	1.15	1.04	0.86	0.74	0.65	0.58
595	**4.91**	4.01	3.43	3.06	2.77	2.49	2.04	1.76	1.54	1.37
596	**1.68**	1.33	1.13	1.04	0.94	0.83	0.67	0.58	0.51	0.45
597	**1.65**	1.28	1.12	0.99	0.87	0.76	0.61	0.52	0.46	0.40
598	**3.10**	2.37	2.10	1.86	1.65	1.44	1.16	0.99	0.88	0.77
599	**6.91**	5.62	4.80	4.29	3.89	3.49	2.86	2.46	2.16	1.92
600	**1.86**	1.47	1.25	1.15	1.04	0.92	0.74	0.64	0.56	0.50
601	**1.57**	1.26	1.08	0.97	0.86	0.77	0.64	0.55	0.48	0.43
602	**3.85**	2.93	2.54	2.30	2.07	1.81	1.48	1.27	1.12	0.98
603	**7.68**	5.93	5.04	4.60	4.10	3.67	3.01	2.58	2.27	2.01

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
604	**20.86**	16.35	14.29	12.79	11.37	10.09	8.29	7.18	6.34	5.58
605	**2.78**	2.13	1.83	1.67	1.51	1.32	1.08	0.92	0.81	0.72
606	**1.29**	0.99	0.88	0.77	0.68	0.60	0.48	0.41	0.36	0.32
607	**13.07**	9.94	8.69	7.80	6.92	6.19	5.04	4.33	3.81	3.36
608	**4.58**	3.45	3.07	2.75	2.44	2.13	1.73	1.48	1.31	1.15
609	**12.02**	9.14	8.00	7.18	6.37	5.69	4.64	3.98	3.51	3.09
610	**6.54**	5.20	4.42	3.96	3.58	3.20	2.63	2.26	1.99	1.75
611	**0.71**	0.53	0.47	0.42	0.37	0.33	0.27	0.23	0.20	0.18
612	**23.12**	18.45	16.18	14.45	12.81	11.35	9.38	8.15	7.20	6.35
613	**0.84**	0.64	0.55	0.50	0.45	0.40	0.32	0.28	0.24	0.22
614	**4.80**	3.88	3.30	2.90	2.67	2.39	1.97	1.70	1.50	1.32
615	**5.30**	4.29	3.65	3.21	2.96	2.64	2.18	1.88	1.66	1.46
616	**1.05**	0.80	0.68	0.62	0.56	0.49	0.40	0.34	0.30	0.27
617	**4.08**	3.32	2.84	2.50	2.23	2.02	1.68	1.46	1.29	1.13
618	**3.36**	2.58	2.29	2.03	1.80	1.57	1.27	1.09	0.96	0.84
619	**10.83**	9.92	8.92	8.00	6.99	6.24	5.22	4.61	4.14	3.67
620	**13.06**	12.40	11.32	10.21	8.92	7.93	6.60	5.84	5.26	4.68
621	**1.39**	1.05	0.92	0.82	0.73	0.63	0.51	0.44	0.39	0.34
622	**3.51**	2.93	2.58	2.26	1.99	1.79	1.51	1.32	1.17	1.03
623	**6.08**	5.25	4.64	4.07	3.58	3.20	2.67	2.36	2.10	1.86
624	**6.39**	5.59	4.96	4.40	3.85	3.46	2.90	2.54	2.27	2.01
625	**6.77**	5.70	5.02	4.39	3.87	3.48	2.93	2.57	2.28	2.01
626	**19.67**	17.28	15.35	13.60	11.92	10.71	8.96	7.87	7.03	6.23
627	**5.08**	4.01	3.42	3.05	2.76	2.47	2.03	1.74	1.53	1.35
628	**2.57**	1.98	1.70	1.55	1.40	1.22	1.00	0.86	0.76	0.67
629	**2.94**	2.42	2.10	1.84	1.63	1.48	1.23	1.07	0.95	0.84
630	**1.28**	1.00	0.86	0.76	0.68	0.61	0.51	0.44	0.38	0.34
631	**4.69**	3.95	3.48	3.05	2.68	2.41	2.03	1.78	1.58	1.40
632	**2.65**	2.02	1.73	1.56	1.42	1.25	1.02	0.87	0.77	0.68
633	**4.17**	3.29	2.80	2.47	2.28	2.03	1.67	1.44	1.27	1.11
634	**5.91**	4.76	4.04	3.54	3.29	2.93	2.42	2.08	1.84	1.62
635	**8.31**	6.77	5.78	5.07	4.62	4.17	3.45	2.98	2.63	2.31
636	**3.96**	3.10	2.63	2.34	2.16	1.92	1.57	1.35	1.19	1.05
637	**6.03**	5.12	4.41	3.85	3.49	3.15	2.62	2.27	2.00	1.77
638	**4.19**	3.39	2.89	2.53	2.34	2.09	1.72	1.49	1.31	1.15
639	**12.70**	10.90	9.63	8.42	7.37	6.72	5.66	4.94	4.39	3.87
640	**4.61**	3.72	3.17	2.77	2.57	2.29	1.89	1.63	1.44	1.26
641	**2.84**	2.22	1.88	1.68	1.55	1.37	1.13	0.97	0.85	0.75
642	**7.23**	5.53	4.75	4.26	3.89	3.42	2.78	2.39	2.10	1.85
643	**4.96**	3.73	3.33	2.99	2.65	2.31	1.87	1.61	1.42	1.25
644	**13.44**	10.48	9.01	8.18	7.39	6.50	5.33	4.58	4.04	3.56
645	**4.74**	3.84	3.26	2.86	2.64	2.36	1.95	1.68	1.48	1.30
646	**14.91**	12.78	11.12	9.74	8.66	7.75	6.50	5.69	5.05	4.46
647	**6.78**	5.52	4.70	4.12	3.75	3.39	2.80	2.42	2.13	1.88
648	**1.99**	1.53	1.30	1.17	1.07	0.95	0.77	0.66	0.58	0.52
649	**8.06**	6.82	5.88	5.16	4.65	4.14	3.47	3.02	2.68	2.36
650	**10.54**	8.81	7.58	6.74	6.08	5.48	4.51	3.90	3.43	3.05
651	**3.04**	2.57	2.20	1.95	1.78	1.59	1.31	1.13	1.00	0.88
652	**2.86**	2.27	1.94	1.76	1.60	1.42	1.16	0.99	0.87	0.78
653	**3.92**	3.23	2.76	2.45	2.25	2.00	1.64	1.42	1.25	1.11
654	**5.06**	4.17	3.59	3.20	2.92	2.60	2.14	1.84	1.62	1.44
655	**2.98**	2.48	2.12	1.89	1.72	1.54	1.26	1.09	0.96	0.85
656	**1.53**	1.22	1.04	0.94	0.86	0.76	0.62	0.53	0.47	0.42
657	**2.54**	2.03	1.74	1.57	1.43	1.27	1.04	0.89	0.78	0.69
658	**1.10**	0.86	0.74	0.68	0.61	0.53	0.43	0.37	0.33	0.29

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
659	**3.83**	3.06	2.62	2.38	2.16	1.91	1.56	1.34	1.18	1.05
660	**2.14**	1.71	1.46	1.32	1.21	1.07	0.87	0.75	0.66	0.58
661	**1.22**	0.95	0.82	0.74	0.67	0.60	0.48	0.42	0.36	0.32
662	**7.26**	6.04	5.18	4.61	4.20	3.77	3.09	2.67	2.35	2.08
663	**1.58**	1.24	1.06	0.98	0.88	0.78	0.63	0.54	0.48	0.42
664	**20.22**	17.46	15.49	13.72	12.19	11.04	9.14	7.95	7.03	6.26
665	**11.65**	10.41	9.14	8.10	7.19	6.54	5.42	4.70	4.15	3.69
666	88.80	**94.61**	88.59	81.79	72.32	64.04	52.93	46.31	41.54	37.47
667	**3.67**	3.05	2.61	2.32	2.12	1.89	1.56	1.34	1.18	1.05
668	**1.79**	1.41	1.21	1.10	0.99	0.88	0.72	0.62	0.54	0.48
669	**13.98**	11.94	10.40	9.24	8.18	7.43	6.15	5.34	4.71	4.19
670	**13.16**	11.38	10.11	9.00	7.96	7.17	5.97	5.18	4.59	4.09
671	**6.90**	6.07	5.37	4.80	4.27	3.85	3.20	2.77	2.44	2.17
672	**25.43**	22.42	20.03	18.04	15.87	14.20	11.80	10.29	9.16	8.19
673	**3.10**	2.54	2.17	1.93	1.77	1.58	1.29	1.11	0.98	0.87
674	**1.44**	1.17	1.00	0.89	0.82	0.73	0.59	0.51	0.45	0.40
675	**5.18**	4.42	3.88	3.46	3.05	2.77	2.30	1.99	1.76	1.56
676	**3.08**	2.58	2.21	1.96	1.78	1.60	1.31	1.13	1.00	0.89
677	**8.14**	7.43	6.72	6.08	5.29	4.67	3.93	3.45	3.08	2.76
678	**11.01**	10.05	9.14	8.35	7.25	6.42	5.40	4.72	4.21	3.78
679	**16.31**	14.10	12.59	11.32	9.95	8.86	7.42	6.44	5.72	5.11
680	**5.49**	4.67	4.12	3.68	3.23	2.93	2.44	2.11	1.86	1.66
681	**1.48**	1.15	1.00	0.92	0.82	0.72	0.58	0.50	0.44	0.39
682	**4.21**	3.52	3.01	2.68	2.43	2.18	1.79	1.55	1.36	1.21
683	**43.33**	41.22	38.20	34.99	30.61	27.17	22.59	19.74	17.69	15.91
684	**2.97**	2.51	2.19	1.95	1.71	1.55	1.29	1.12	0.99	0.88
685	**0.74**	0.57	0.49	0.45	0.40	0.35	0.29	0.24	0.22	0.19
686	**0.65**	0.50	0.44	0.40	0.36	0.31	0.25	0.22	0.19	0.17
687	**1.17**	0.92	0.79	0.71	0.65	0.57	0.47	0.40	0.35	0.31
688	**4.95**	4.10	3.52	3.17	2.81	2.53	2.08	1.80	1.58	1.40
689	**2.80**	2.36	2.10	1.88	1.66	1.49	1.24	1.08	0.95	0.85
690	**3.18**	2.74	2.43	2.18	1.91	1.72	1.44	1.25	1.10	0.98
691	**3.87**	3.46	3.13	2.82	2.45	2.18	1.83	1.60	1.43	1.28
692	**0.78**	0.62	0.53	0.48	0.43	0.38	0.31	0.27	0.23	0.21
693	**2.00**	1.67	1.43	1.27	1.15	1.03	0.85	0.73	0.64	0.57
694	**14.31**	12.99	11.59	10.33	8.97	8.06	6.74	5.93	5.28	4.70
695	**24.31**	22.10	19.93	18.05	15.62	13.99	11.67	10.30	9.20	8.22
696	**46.94**	46.10	42.48	38.91	34.01	30.26	25.15	22.17	19.83	17.81
697	**4.36**	3.61	3.09	2.74	2.53	2.24	1.84	1.59	1.40	1.24
698	**4.57**	3.78	3.23	2.87	2.65	2.35	1.93	1.66	1.46	1.30
699	**1.14**	0.87	0.76	0.69	0.62	0.55	0.44	0.38	0.33	0.30
700	**6.56**	5.81	5.09	4.51	4.03	3.65	3.02	2.62	2.31	2.05
701	**7.91**	6.86	5.98	5.30	4.77	4.31	3.56	3.08	2.71	2.41
702	**6.35**	5.34	4.68	4.18	3.82	3.40	2.81	2.41	2.13	1.89
703	**4.18**	3.55	3.05	2.71	2.46	2.21	1.82	1.57	1.38	1.23
704	**1.10**	0.86	0.74	0.66	0.61	0.54	0.44	0.38	0.33	0.29
705	**1.17**	0.89	0.76	0.69	0.63	0.55	0.45	0.39	0.34	0.30
706	**1.66**	1.44	1.24	1.10	0.99	0.89	0.74	0.64	0.56	0.50
707	**7.83**	6.47	5.59	4.92	4.43	4.01	3.33	2.88	2.54	2.25
708	67.09	**72.19**	68.00	63.22	56.07	49.69	40.98	36.03	32.31	29.12
709	67.54	**73.77**	69.65	64.76	57.64	51.10	42.12	37.01	33.18	29.89
710	67.70	**74.39**	70.30	65.40	58.28	51.67	42.57	37.40	33.53	30.20
711	**2.23**	1.74	1.48	1.31	1.21	1.07	0.88	0.76	0.67	0.59
712	**3.01**	2.32	1.97	1.79	1.63	1.44	1.18	1.01	0.89	0.78
713	**3.39**	2.64	2.25	2.00	1.84	1.63	1.34	1.15	1.02	0.89

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
714	**5.05**	4.08	3.48	3.10	2.80	2.51	2.07	1.79	1.58	1.39
715	105.46	**122.10**	117.48	109.81	104.35	94.85	81.09	71.30	63.79	57.49
716	**2.90**	2.50	2.15	1.91	1.72	1.55	1.28	1.11	0.97	0.86
717	60.79	**62.41**	58.45	53.86	47.54	42.15	34.87	30.71	27.55	24.87
718	**6.78**	5.77	4.96	4.40	4.01	3.59	2.95	2.55	2.25	2.00
719	**6.67**	5.62	4.92	4.30	3.81	3.46	2.90	2.52	2.23	1.97
720	**2.81**	2.38	2.04	1.79	1.62	1.46	1.22	1.05	0.93	0.82
721	**3.37**	2.62	2.22	1.99	1.83	1.62	1.33	1.14	1.01	0.89
722	**2.98**	2.33	1.98	1.75	1.62	1.44	1.18	1.02	0.90	0.79
723	**4.14**	3.25	2.76	2.47	2.26	2.00	1.65	1.42	1.25	1.10
724	**4.17**	3.44	2.94	2.58	2.34	2.11	1.75	1.51	1.34	1.18
725	**11.08**	10.28	9.21	8.24	7.17	6.35	5.41	4.77	4.29	3.79
726	**3.93**	3.29	2.86	2.50	2.23	2.04	1.70	1.47	1.30	1.15
727	175.01	**206.83**	200.63	187.76	169.59	155.77	131.37	115.00	102.23	91.61
728	**1.51**	1.16	0.99	0.88	0.81	0.72	0.59	0.50	0.44	0.39
729	**1.38**	1.14	0.99	0.87	0.77	0.70	0.58	0.51	0.45	0.40
730	**1.16**	0.88	0.75	0.68	0.62	0.54	0.44	0.38	0.33	0.29
731	**2.73**	2.07	1.79	1.62	1.45	1.29	1.05	0.90	0.79	0.70
732	**9.48**	8.30	7.30	6.46	5.64	5.18	4.31	3.74	3.31	2.94
733	**2.18**	1.86	1.60	1.40	1.26	1.13	0.94	0.81	0.72	0.64
734	**1.33**	1.04	0.89	0.78	0.72	0.64	0.53	0.45	0.40	0.35
735	**1.93**	1.57	1.34	1.18	1.07	0.96	0.80	0.69	0.61	0.53
736	**12.93**	10.86	9.49	8.32	7.35	6.63	5.54	4.85	4.31	3.80
737	**5.47**	4.56	3.99	3.50	3.09	2.78	2.34	2.04	1.81	1.60
738	**5.98**	4.95	4.30	3.78	3.34	3.02	2.53	2.20	1.96	1.72
739	**3.16**	2.60	2.26	1.98	1.76	1.59	1.33	1.16	1.03	0.90
740	**9.67**	8.12	7.09	6.22	5.49	4.96	4.15	3.62	3.22	2.84
741	**1.52**	1.16	1.00	0.88	0.79	0.71	0.59	0.50	0.44	0.39
742	**3.60**	2.92	2.51	2.21	1.97	1.78	1.48	1.29	1.14	1.00
743	**2.99**	2.44	2.10	1.85	1.64	1.48	1.24	1.08	0.95	0.84
744	**4.31**	3.45	2.93	2.59	2.32	2.11	1.74	1.50	1.32	1.17
745	**1.40**	1.13	0.96	0.85	0.77	0.69	0.57	0.49	0.44	0.38
746	**2.64**	2.10	1.78	1.57	1.44	1.29	1.06	0.91	0.81	0.71
747	**3.54**	2.94	2.51	2.20	2.00	1.80	1.50	1.29	1.14	1.00
748	**5.29**	4.37	3.80	3.34	2.95	2.67	2.24	1.95	1.73	1.52
749	**2.59**	1.99	1.71	1.52	1.36	1.22	1.00	0.86	0.76	0.67
750	**2.19**	1.78	1.52	1.34	1.19	1.08	0.90	0.78	0.69	0.61
751	**5.78**	4.95	4.31	3.78	3.33	3.00	2.50	2.20	1.96	1.73
752	257.07	310.83	**320.06**	306.11	281.25	253.50	211.69	186.31	165.45	148.16
753	**2.82**	2.21	1.89	1.74	1.57	1.38	1.12	0.96	0.85	0.75
754	**6.70**	5.27	4.50	4.13	3.74	3.28	2.68	2.31	2.03	1.80
755	**10.19**	8.37	7.22	6.52	5.81	5.16	4.27	3.70	3.27	2.88
756	**0.66**	0.52	0.44	0.39	0.35	0.32	0.26	0.23	0.20	0.18
757	**0.21**	0.16	0.14	0.13	0.11	0.10	0.08	0.07	0.06	0.05
758	**15.25**	12.74	11.17	10.00	8.80	7.96	6.55	5.69	5.05	4.47
759	**5.26**	4.46	3.86	3.44	3.01	2.75	2.28	1.98	1.74	1.55
760	**3.32**	2.66	2.28	2.03	1.81	1.64	1.35	1.16	1.02	0.90
761	**3.05**	2.66	2.32	2.05	1.83	1.66	1.37	1.19	1.05	0.93
762	**5.67**	5.08	4.47	3.96	3.44	3.16	2.63	2.29	2.03	1.80
763	112.72	135.89	**138.85**	132.10	119.21	106.55	87.86	76.49	68.28	61.32
764	**2.24**	1.83	1.56	1.39	1.27	1.14	0.93	0.80	0.70	0.62
765	**71.86**	71.05	64.88	59.38	52.04	46.73	38.86	33.95	30.36	27.13
766	**11.87**	10.99	9.85	8.78	7.65	6.79	5.70	5.03	4.49	3.99
767	**5.61**	4.56	3.94	3.46	3.13	2.82	2.34	2.03	1.79	1.58
768	**1.78**	1.33	1.15	1.04	0.94	0.82	0.67	0.57	0.50	0.44

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
769	**2.94**	2.43	2.11	1.85	1.64	1.48	1.25	1.08	0.96	0.85
770	**1.69**	1.33	1.13	1.03	0.94	0.83	0.67	0.58	0.51	0.45
771	**1.02**	0.79	0.68	0.63	0.56	0.49	0.40	0.34	0.30	0.27
772	**3.45**	2.72	2.33	2.15	1.91	1.70	1.38	1.19	1.04	0.93
773	**4.48**	3.57	3.09	2.75	2.44	2.18	1.78	1.53	1.34	1.19
774	**1.66**	1.30	1.16	1.04	0.91	0.79	0.63	0.54	0.48	0.42
775	**3.62**	2.78	2.46	2.25	1.98	1.74	1.41	1.21	1.06	0.94
776	**2.84**	2.19	1.94	1.78	1.57	1.37	1.11	0.95	0.84	0.74
777	**2.79**	2.44	2.11	1.88	1.67	1.52	1.25	1.09	0.96	0.85
778	**5.57**	4.99	4.39	3.89	3.37	3.10	2.58	2.25	1.99	1.77
779	**0.14**	0.11	0.09	0.09	0.07	0.07	0.05	0.04	0.04	0.03
780	**4.91**	4.12	3.59	3.20	2.82	2.53	2.10	1.83	1.62	1.44
781	**1.02**	0.83	0.71	0.63	0.57	0.51	0.42	0.36	0.32	0.28
782	**0.73**	0.59	0.51	0.45	0.41	0.37	0.30	0.26	0.23	0.20
783	**1.11**	0.86	0.76	0.69	0.61	0.53	0.43	0.37	0.33	0.29
784	**0.85**	0.67	0.59	0.53	0.46	0.40	0.32	0.28	0.24	0.21
785	**0.30**	0.23	0.20	0.18	0.16	0.14	0.11	0.10	0.09	0.08
786	**2.23**	1.72	1.55	1.40	1.22	1.08	0.87	0.75	0.66	0.59
787	**8.47**	7.22	6.30	5.60	4.96	4.45	3.71	3.23	2.86	2.55
788	**0.48**	0.37	0.33	0.30	0.26	0.23	0.18	0.16	0.14	0.12
789	**0.93**	0.73	0.63	0.57	0.51	0.46	0.37	0.32	0.28	0.25
790	**1.88**	1.43	1.29	1.17	1.03	0.90	0.73	0.62	0.55	0.49
791	**1.02**	0.82	0.71	0.64	0.59	0.52	0.43	0.36	0.32	0.28
792	**1.73**	1.39	1.20	1.09	1.00	0.88	0.72	0.62	0.54	0.48
793	**2.84**	2.44	2.10	1.87	1.69	1.52	1.25	1.08	0.95	0.84
794	**1.49**	1.29	1.11	0.99	0.88	0.80	0.66	0.57	0.50	0.45
795	**2.27**	2.03	1.78	1.58	1.37	1.26	1.05	0.91	0.81	0.72
796	**2.01**	1.68	1.44	1.29	1.13	1.03	0.85	0.74	0.65	0.58
797	**13.32**	11.98	10.56	9.44	8.25	7.44	6.16	5.40	4.80	4.28
798	**2.94**	2.49	2.18	1.94	1.70	1.54	1.28	1.12	0.99	0.88
799	**1.97**	1.72	1.50	1.33	1.19	1.08	0.89	0.77	0.68	0.60
800	**3.30**	2.82	2.45	2.19	2.00	1.78	1.47	1.26	1.11	0.99
801	**13.18**	11.98	10.78	9.76	8.44	7.56	6.33	5.55	4.96	4.44
802	**0.46**	0.36	0.31	0.28	0.26	0.23	0.19	0.16	0.14	0.12
803	**1.97**	1.62	1.40	1.25	1.16	1.02	0.84	0.72	0.63	0.56
804	49.28	**51.04**	50.10	46.96	41.72	36.77	30.58	26.58	23.90	21.57
805	**48.42**	47.94	45.93	42.75	37.76	33.06	27.59	24.03	21.65	19.56
806	25.85	**27.09**	25.73	23.67	20.73	18.22	15.06	13.27	11.90	10.69
807	23.01	**23.27**	21.94	19.86	17.30	15.24	12.60	11.18	10.06	9.04
808	**3.68**	2.87	2.49	2.30	2.09	1.82	1.49	1.27	1.12	0.99
809	**3.26**	2.51	2.27	2.08	1.84	1.58	1.28	1.09	0.96	0.85
810	**12.09**	10.72	9.62	8.70	7.61	6.79	5.66	4.94	4.40	3.94
811	**9.39**	8.05	7.22	6.47	5.68	5.07	4.26	3.70	3.28	2.93
812	**2.14**	1.73	1.50	1.36	1.21	1.08	0.89	0.77	0.67	0.60
813	**8.58**	7.32	6.39	5.69	5.03	4.51	3.77	3.28	2.91	2.59
814	87.97	82.91	108.21	**112.51**	111.81	102.31	85.50	73.71	65.29	58.39
815	93.16	91.36	111.34	117.51	**117.64**	108.39	90.56	78.17	69.21	61.87
816	**0.75**	0.59	0.51	0.46	0.42	0.37	0.31	0.26	0.23	0.20
817	**1.99**	1.64	1.41	1.27	1.16	1.03	0.85	0.73	0.64	0.57
818	749.43	945.98	1025.30	1025.10	1279.40	**1332.50**	1229.00	1114.90	1011.70	917.28
819	0.19	2.19	3.36	**3.61**	3.58	3.56	3.00	2.67	2.36	2.10
820	**8.84**	7.47	6.51	5.81	5.10	4.62	3.82	3.33	2.94	2.62
821	749.37	945.81	1023.90	1022.10	1278.70	**1330.30**	1226.00	1112.10	1008.50	914.85
822	257.17	312.49	**326.22**	315.78	291.51	264.14	220.18	193.78	172.22	154.35
823	**7.31**	6.54	5.84	5.21	4.52	4.04	3.38	2.98	2.66	2.37

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
824	**4.69**	4.10	3.60	3.20	2.78	2.54	2.12	1.85	1.63	1.45
825	**0.55**	0.41	0.35	0.32	0.29	0.25	0.21	0.18	0.16	0.14
826	**3.23**	2.45	2.19	1.95	1.72	1.50	1.22	1.04	0.92	0.81
827	**4.80**	3.69	3.17	2.87	2.60	2.29	1.87	1.61	1.42	1.25
828	**5.54**	4.26	3.67	3.33	3.01	2.64	2.16	1.85	1.63	1.44
829	**12.06**	9.50	8.23	7.28	6.48	5.83	4.80	4.12	3.64	3.20
830	**5.51**	4.50	3.85	3.42	3.14	2.80	2.29	1.97	1.73	1.54
831	**2.47**	1.94	1.66	1.51	1.37	1.21	0.99	0.85	0.74	0.66
832	**3.54**	2.80	2.40	2.20	1.96	1.75	1.42	1.22	1.08	0.96
833	**1.85**	1.46	1.25	1.14	1.04	0.91	0.74	0.64	0.56	0.50
834	**2.56**	2.05	1.75	1.58	1.44	1.28	1.04	0.90	0.79	0.70
835	**0.63**	0.48	0.44	0.39	0.35	0.30	0.24	0.21	0.18	0.16
836	**13.24**	11.76	10.50	9.39	8.14	7.41	6.17	5.37	4.78	4.27
837	**4.39**	3.74	3.21	2.85	2.58	2.32	1.91	1.65	1.46	1.29
838	**1.79**	1.38	1.17	1.07	0.97	0.85	0.70	0.60	0.53	0.46
839	**7.69**	7.12	6.33	5.66	4.91	4.41	3.66	3.24	2.90	2.58
840	**1.78**	1.40	1.19	1.10	0.99	0.87	0.71	0.61	0.53	0.47
841	**5.77**	4.50	3.89	3.53	3.17	2.86	2.34	2.02	1.78	1.58
842	**0.94**	0.70	0.62	0.56	0.50	0.43	0.35	0.30	0.27	0.23
843	**11.30**	9.85	8.83	7.77	6.77	6.21	5.21	4.53	4.03	3.57
844	**13.94**	12.07	10.83	9.53	8.34	7.63	6.38	5.57	4.94	4.38
845	**22.17**	20.12	17.83	16.04	14.06	12.55	10.42	9.12	8.15	7.28
846	**2.89**	2.43	2.07	1.84	1.68	1.50	1.24	1.07	0.94	0.83
847	**7.30**	6.54	5.75	5.07	4.40	4.03	3.38	2.94	2.61	2.32
848	**3.18**	2.63	2.25	2.00	1.83	1.64	1.34	1.16	1.02	0.90
849	**4.10**	3.40	2.91	2.60	2.34	2.11	1.74	1.50	1.32	1.17
850	**2.08**	1.71	1.46	1.30	1.19	1.06	0.87	0.75	0.66	0.58
851	**13.13**	11.38	9.87	8.77	7.77	6.93	5.78	5.05	4.48	3.98
852	**6.12**	5.30	4.59	4.06	3.67	3.30	2.73	2.36	2.08	1.85
853	**8.55**	7.30	6.34	5.63	5.07	4.56	3.77	3.26	2.88	2.56
854	**7.76**	6.42	5.51	4.90	4.45	3.99	3.28	2.83	2.49	2.21
855	**1.54**	1.30	1.16	1.03	0.91	0.83	0.67	0.59	0.52	0.46
856	**1.91**	1.50	1.29	1.19	1.07	0.94	0.76	0.65	0.57	0.51
857	**0.21**	0.16	0.14	0.13	0.11	0.10	0.08	0.07	0.06	0.05
858	**0.80**	0.62	0.54	0.50	0.44	0.39	0.31	0.27	0.23	0.21
859	**1.99**	1.56	1.34	1.22	1.11	0.98	0.80	0.68	0.60	0.53
860	**3.38**	2.79	2.38	2.12	1.94	1.73	1.42	1.22	1.08	0.95
861	**2.27**	1.85	1.58	1.41	1.29	1.15	0.94	0.81	0.71	0.63
862	**3.76**	3.03	2.59	2.33	2.13	1.89	1.54	1.33	1.17	1.04
863	**3.87**	3.22	2.75	2.45	2.24	2.00	1.64	1.42	1.25	1.11
864	**17.11**	14.45	12.61	11.20	9.97	8.99	7.44	6.46	5.70	5.07
865	**20.08**	17.17	15.09	13.39	11.87	10.69	8.84	7.71	6.82	6.07
866	**21.79**	18.73	16.47	14.61	12.91	11.62	9.65	8.42	7.45	6.62
867	**4.36**	3.63	3.10	2.76	2.52	2.25	1.85	1.59	1.40	1.24
868	**3.26**	2.78	2.39	2.12	1.92	1.73	1.42	1.23	1.08	0.96
869	**1.72**	1.41	1.20	1.07	0.98	0.87	0.71	0.62	0.54	0.48
870	**12.75**	12.69	11.45	10.44	9.09	8.05	6.61	5.86	5.27	4.71
871	**0.54**	0.43	0.37	0.33	0.30	0.27	0.22	0.19	0.16	0.14
872	**10.44**	9.75	8.82	7.87	6.91	6.13	5.00	4.45	3.98	3.55
873	**4.59**	3.84	3.29	2.92	2.66	2.38	1.96	1.69	1.49	1.32
874	38.07	**40.26**	37.41	34.30	30.28	26.83	22.07	19.30	17.35	15.68
875	38.37	**41.06**	38.22	35.09	31.03	27.49	22.60	19.75	17.77	16.06
876	38.81	**42.15**	39.41	36.24	32.10	28.42	23.35	20.40	18.36	16.60
877	**7.04**	6.37	5.58	4.96	4.38	3.92	3.25	2.85	2.54	2.26
878	**2.19**	1.73	1.48	1.35	1.22	1.08	0.88	0.76	0.66	0.59

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
879	54.19	**59.98**	56.52	52.39	46.43	41.01	33.59	29.55	26.67	24.05
880	**3.17**	2.62	2.23	2.01	1.81	1.62	1.33	1.14	1.00	0.89
881	**1.20**	0.94	0.80	0.73	0.66	0.58	0.48	0.41	0.36	0.32
882	**16.86**	15.56	13.75	12.29	10.69	9.50	7.95	7.02	6.24	5.56
883	**16.16**	14.90	13.16	11.72	10.21	9.07	7.59	6.69	5.95	5.30
884	**79.26**	78.93	73.42	66.89	58.82	52.18	43.30	37.98	33.97	30.68
885	52.23	**54.02**	50.90	46.56	41.20	36.47	30.12	26.37	23.63	21.39
886	**3.94**	3.20	2.73	2.41	2.22	1.98	1.63	1.40	1.23	1.09
887	**3.20**	2.54	2.16	1.90	1.76	1.57	1.29	1.11	0.98	0.86
888	**4.18**	3.41	2.90	2.55	2.35	2.10	1.73	1.49	1.32	1.16
889	**2.42**	1.99	1.72	1.51	1.34	1.21	1.02	0.88	0.78	0.69
890	**3.29**	2.73	2.34	2.08	1.90	1.70	1.39	1.20	1.06	0.94
891	**5.66**	4.57	3.88	3.40	3.15	2.81	2.32	2.00	1.76	1.55
892	**18.58**	16.44	14.44	12.81	11.32	10.12	8.42	7.37	6.54	5.82
893	**4.60**	3.92	3.42	3.05	2.69	2.43	2.02	1.75	1.54	1.37
894	**5.16**	4.32	3.69	3.32	2.97	2.68	2.20	1.90	1.67	1.48
895	**3.46**	2.85	2.44	2.17	1.99	1.77	1.45	1.25	1.10	0.98
896	**25.03**	23.06	20.37	18.25	15.97	14.30	11.88	10.36	9.27	8.29
897	**5.09**	4.35	3.74	3.32	3.00	2.70	2.23	1.92	1.69	1.50
898	**3.85**	3.33	2.88	2.55	2.30	2.07	1.71	1.48	1.30	1.16
899	**0.75**	0.58	0.50	0.46	0.41	0.36	0.29	0.25	0.22	0.20
900	**3.42**	2.74	2.34	2.11	1.93	1.71	1.40	1.20	1.06	0.94
901	**3.49**	2.91	2.49	2.22	2.03	1.81	1.49	1.28	1.13	1.00
902	**4.33**	3.62	3.17	2.81	2.53	2.27	1.87	1.62	1.43	1.27
903	**2.99**	2.52	2.16	1.92	1.75	1.56	1.29	1.11	0.98	0.87
904	51.70	**53.13**	50.00	45.70	40.44	35.81	29.59	25.91	23.20	20.99
905	**2.28**	1.80	1.54	1.40	1.27	1.12	0.92	0.79	0.69	0.61
906	**5.12**	4.28	3.71	3.34	2.96	2.65	2.20	1.90	1.67	1.49
907	**24.88**	23.67	21.69	19.69	17.14	15.24	12.74	11.13	9.95	8.94
908	**13.56**	13.15	12.13	11.18	9.72	8.61	7.20	6.33	5.65	5.08
909	**19.77**	18.06	16.25	14.68	12.77	11.40	9.53	8.33	7.41	6.65
910	**4.33**	3.85	3.36	2.98	2.62	2.34	1.96	1.71	1.52	1.35
911	**1.79**	1.40	1.20	1.10	0.99	0.87	0.71	0.61	0.53	0.47
912	34.63	**35.65**	32.95	29.87	26.36	23.39	19.29	16.89	15.12	13.64
913	**2.23**	1.81	1.55	1.38	1.26	1.13	0.92	0.79	0.70	0.62
914	**1.28**	1.01	0.86	0.78	0.71	0.63	0.51	0.44	0.38	0.34
915	**3.30**	2.68	2.29	2.04	1.87	1.66	1.36	1.17	1.03	0.91
916	**7.50**	6.28	5.39	4.80	4.30	3.89	3.20	2.77	2.44	2.16
917	**23.15**	17.99	15.54	14.03	12.51	11.20	9.15	7.86	6.93	6.11
918	**13.06**	10.24	8.73	7.95	7.21	6.34	5.21	4.48	3.95	3.48
919	**3.10**	2.35	2.05	1.86	1.67	1.45	1.19	1.02	0.90	0.79
920	**5.98**	4.54	3.96	3.57	3.17	2.82	2.30	1.97	1.74	1.53
921	**9.54**	8.43	7.41	6.59	5.86	5.23	4.34	3.79	3.37	3.00
922	**13.67**	12.10	10.57	9.42	8.31	7.52	6.21	5.42	4.81	4.28
923	**5.35**	4.64	4.01	3.56	3.20	2.89	2.38	2.06	1.82	1.61
924	**4.79**	3.96	3.39	3.01	2.76	2.46	2.02	1.74	1.53	1.36
925	**22.67**	20.16	17.96	15.98	13.87	12.69	10.53	9.20	8.17	7.28
926	**3.46**	2.70	2.31	2.12	1.88	1.68	1.37	1.17	1.03	0.92
927	**6.04**	4.73	4.02	3.58	3.30	2.92	2.40	2.07	1.82	1.60
928	**1.99**	1.50	1.34	1.19	1.06	0.92	0.75	0.64	0.56	0.50
929	**4.13**	3.34	2.84	2.50	2.31	2.06	1.70	1.46	1.29	1.14
930	**1.74**	1.35	1.15	1.02	0.94	0.83	0.69	0.59	0.52	0.46
931	**10.87**	9.29	8.09	7.17	6.46	5.81	4.79	4.16	3.67	3.26
932	**4.92**	4.09	3.50	3.11	2.85	2.54	2.09	1.80	1.58	1.41
933	**5.47**	4.54	3.88	3.41	3.11	2.79	2.31	1.99	1.76	1.55

Subcatch ID	Discharge (m^3/s)									
	15 min	30 min	45 min	60 min	90 min	120 min	180 min	240 min	300 min	360 min
934	**4.39**	3.72	3.20	2.84	2.58	2.31	1.90	1.64	1.45	1.29
935	**10.72**	9.21	7.99	7.09	6.32	5.75	4.75	4.11	3.62	3.22

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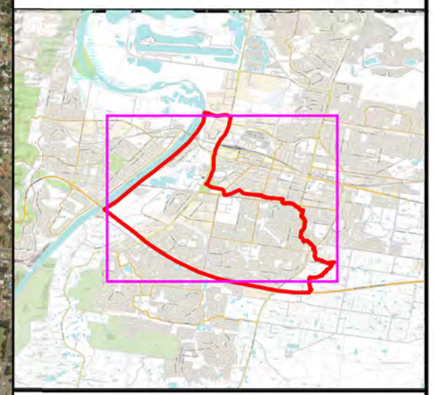


LEGEND

- Peach Tree & Lower Surveyors Creek Study Area
- Box Plot Location

Notes:
Aerial photograph date: 2016

N
W E
S

Scale 1:16,000 (at A3)

0 0.5 1.0
Km

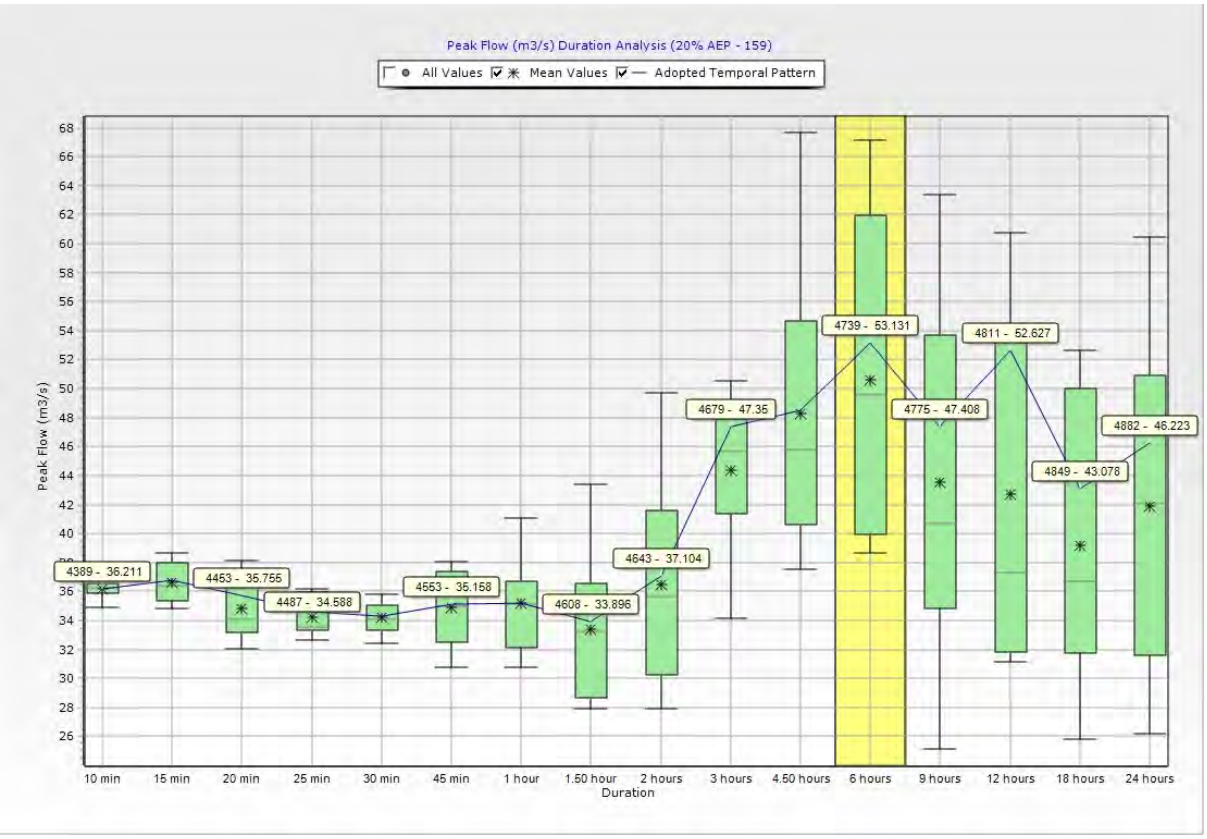
Figure L1:
Box Plot Locations

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Box Plot Locations.wor

ARR2016 Box Plots for Surveyors Creek at Mulgoa Road

20%AEP



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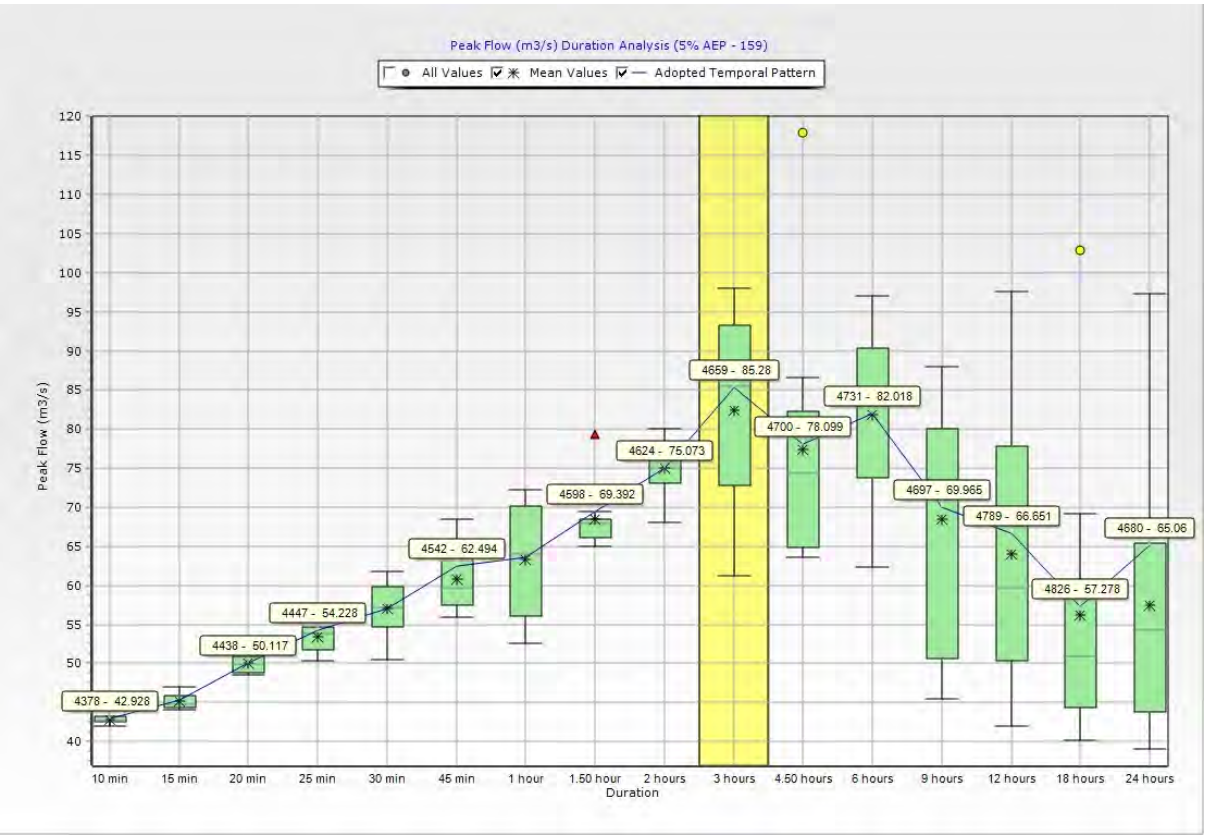

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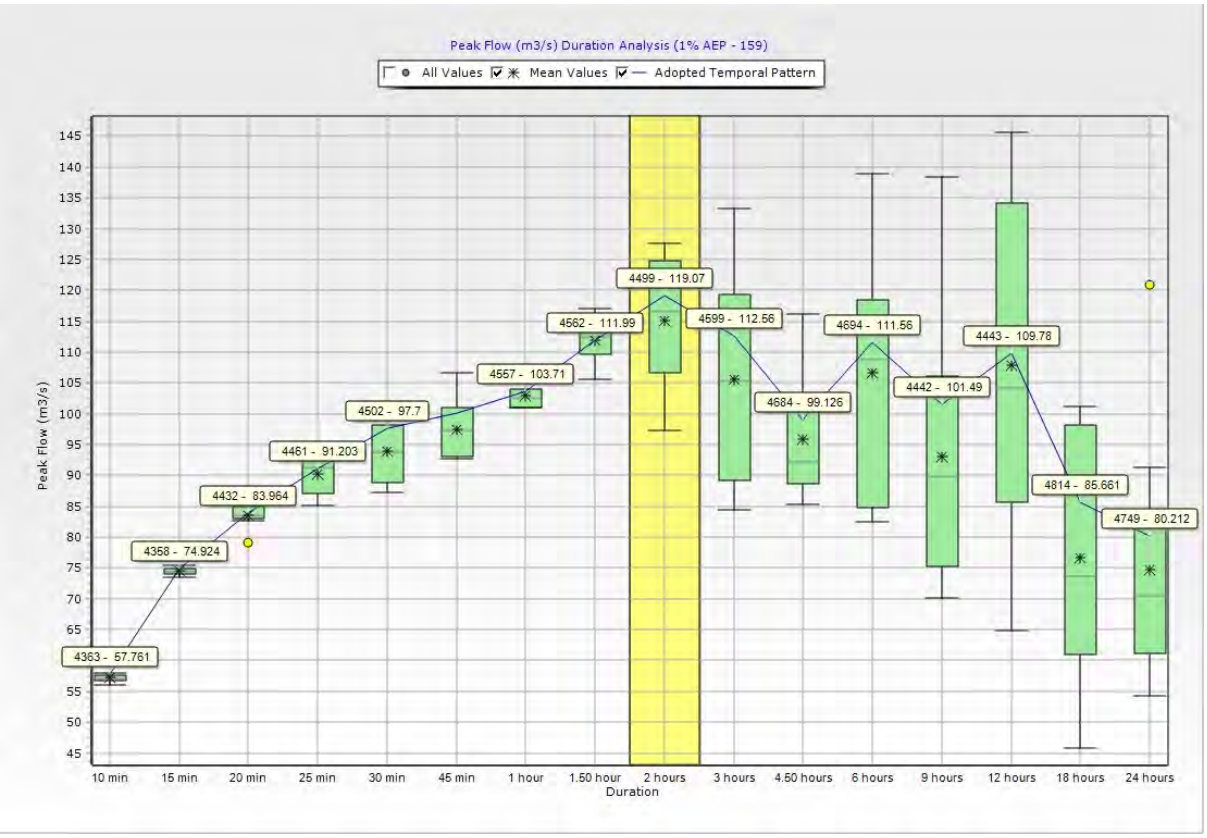
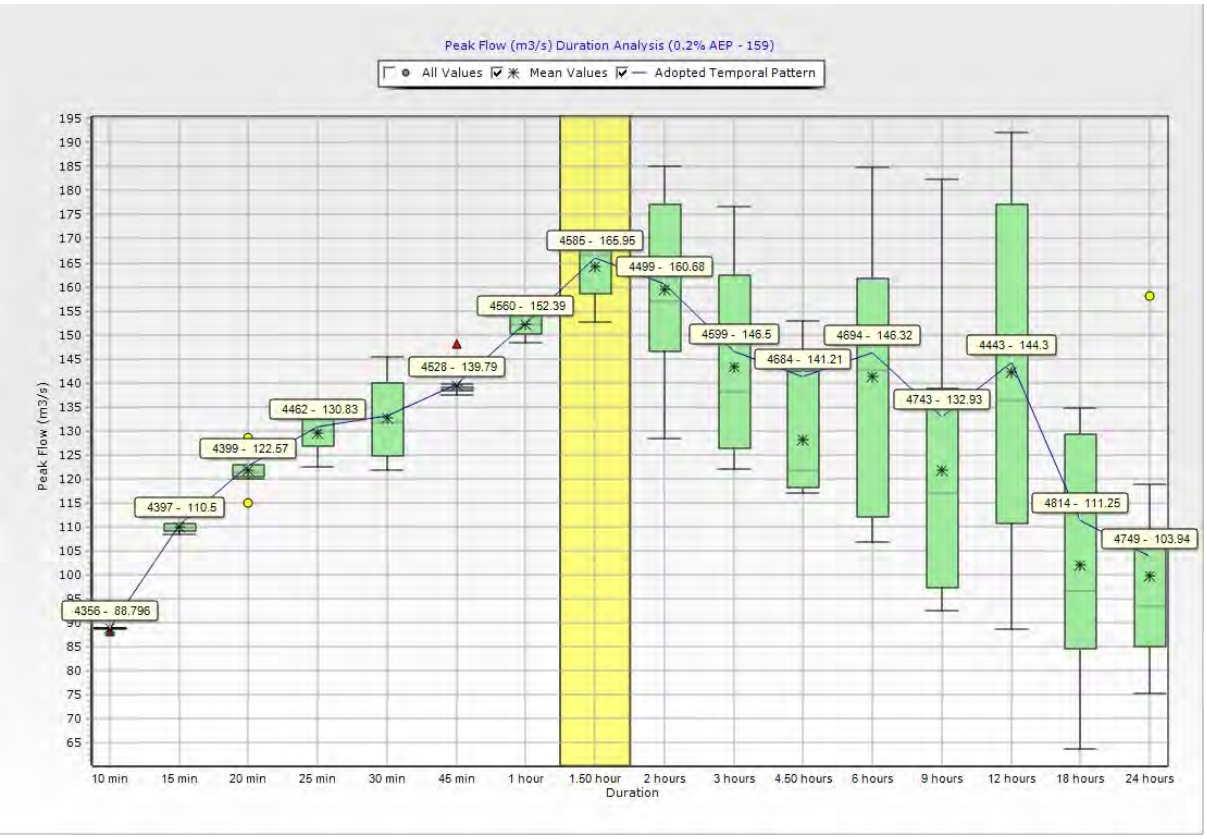
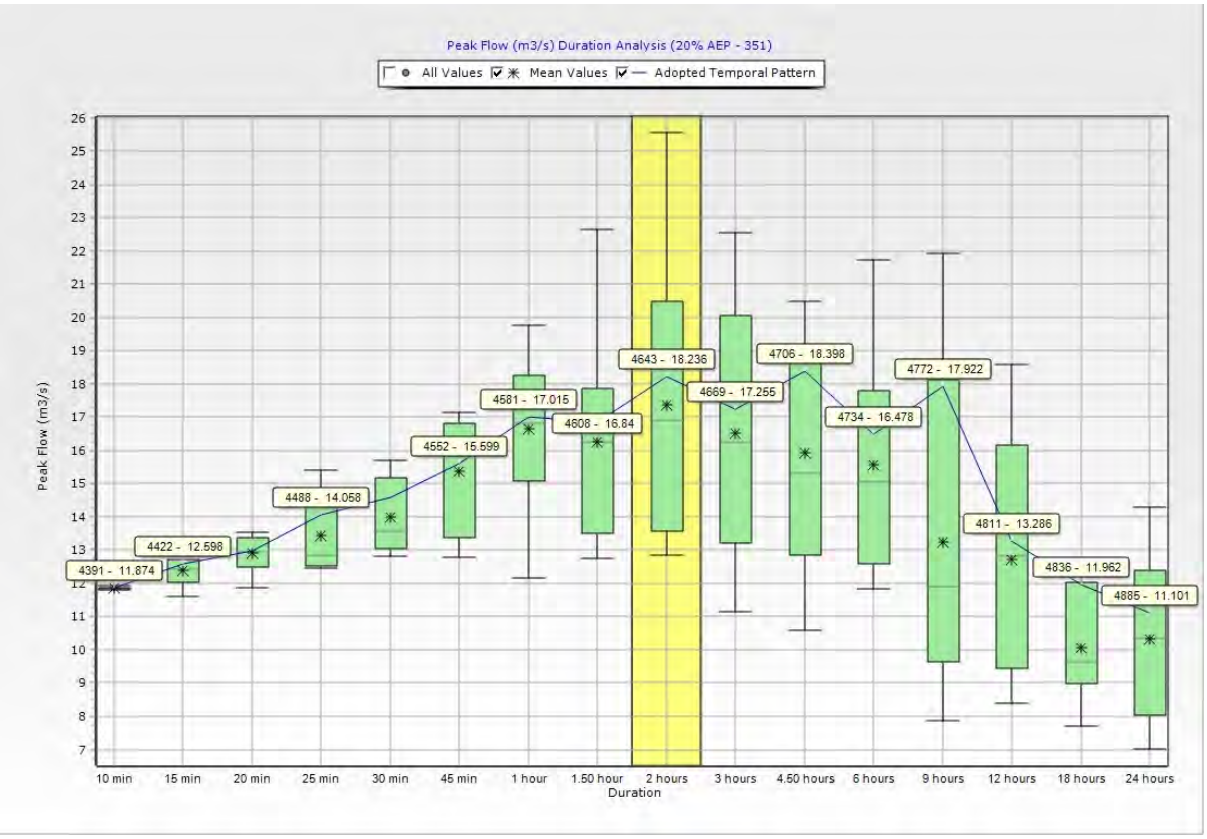

Peak Flow (m3/s) Duration Analysis (1% AEP - 159)
All Values
Mean Values
Adopted Temporal Pattern
Peak Flow (m3/s)
Duration
4363 - 57.761
4368 - 74.924
4432 - 83.964
4461 - 91.203
4502 - 97.7
4557 - 103.71
4562 - 111.99
4499 - 119.07
4599 - 112.56
4684 - 99.126
4694 - 111.56
4442 - 101.49
4443 - 109.78
4814 - 85.661
4749 - 80.212
10 min
15 min
20 min
25 min
30 min
45 min
1 hour
1.50 hour
2 hours
3 hours
4.50 hours
6 hours
9 hours
12 hours
18 hours
24 hours

0.2%AEP

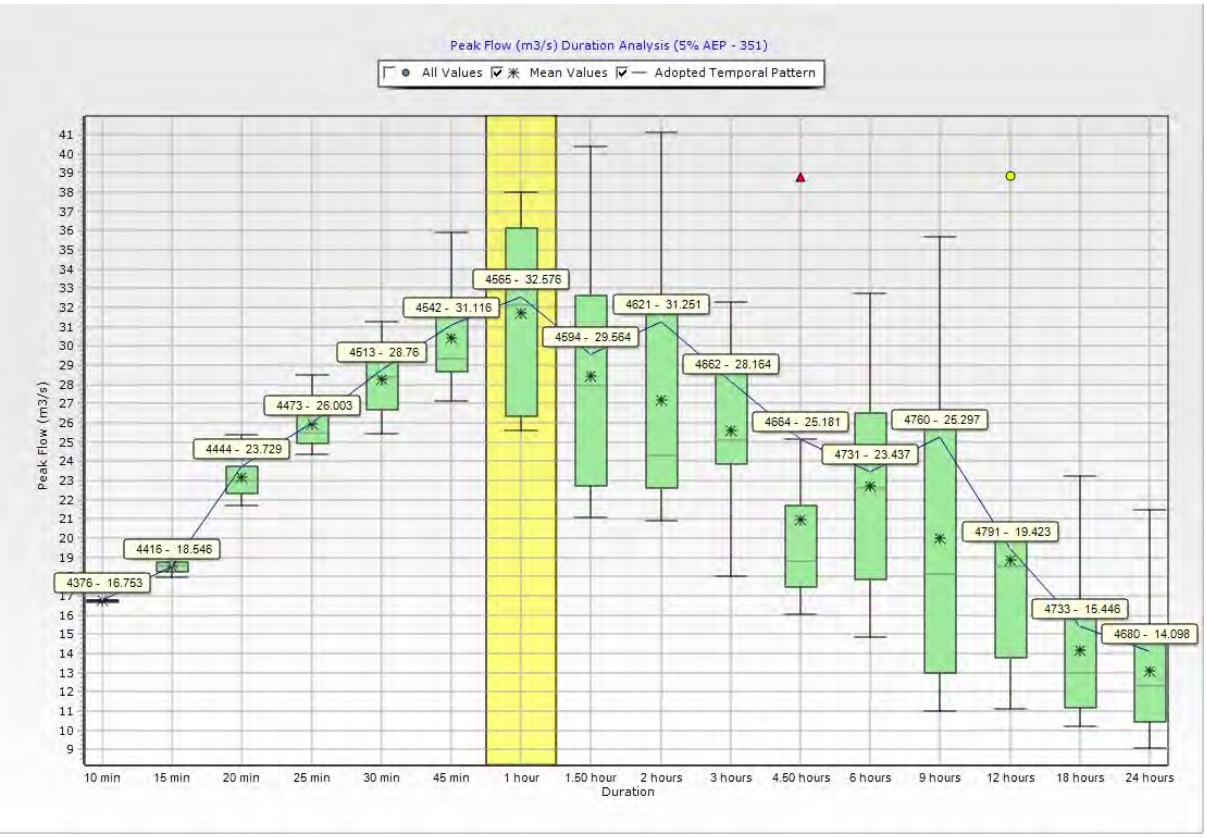

Peak Flow (m3/s) Duration Analysis (0.2% AEP - 159)
All Values
Mean Values
Adopted Temporal Pattern
Peak Flow (m3/s)
Duration
4356 - 88.796
4397 - 110.5
4399 - 122.57
4462 - 130.83
4528 - 139.79
4560 - 152.39
4585 - 165.95
4499 - 160.68
4599 - 146.5
4684 - 141.21
4694 - 146.32
4743 - 132.93
4443 - 144.3
4814 - 111.25
4749 - 103.94
10 min
15 min
20 min
25 min
30 min
45 min
1 hour
1.50 hour
2 hours
3 hours
4.50 hours
6 hours
9 hours
12 hours
18 hours
24 hours

ARR2016 Box Plots for Racecourse Channel at Mulgoa Road

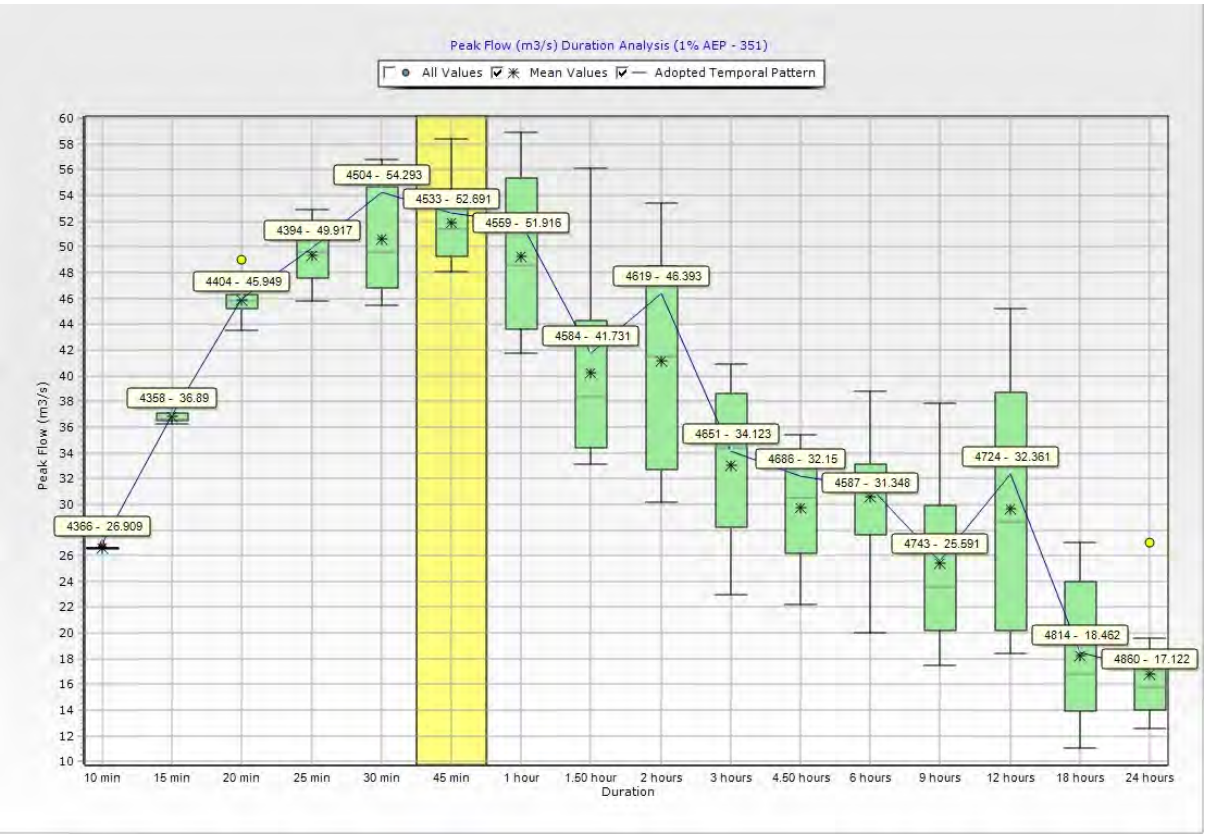
20%AEP



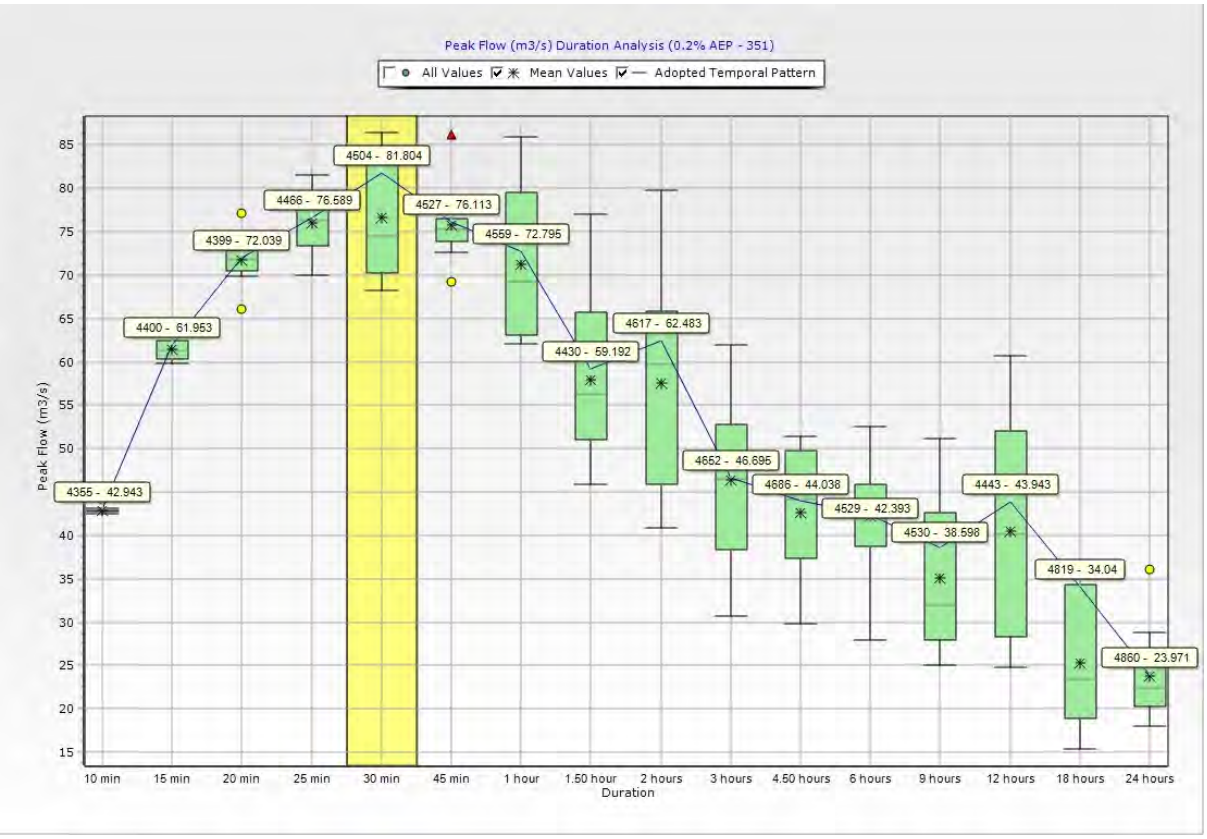
5%AEP



1%AEP

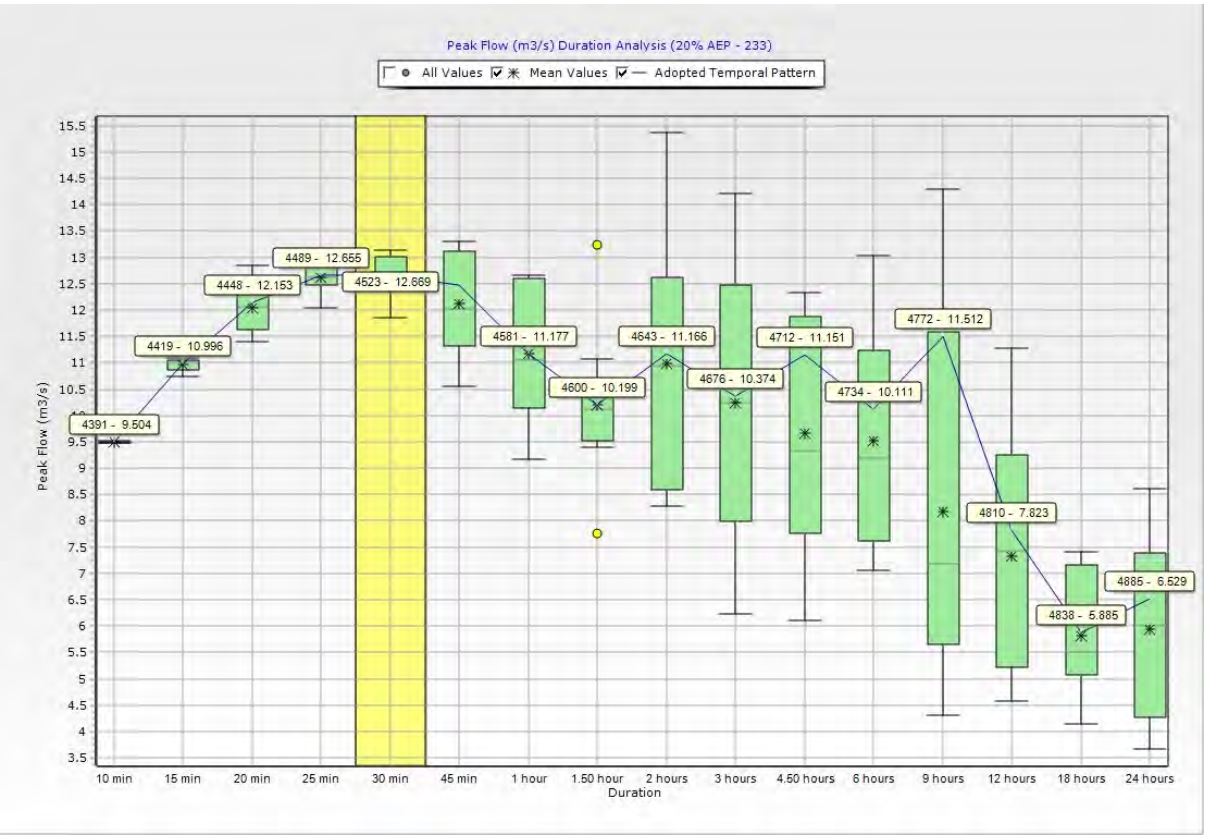

Peak Flow (m3/s) Duration Analysis (1% AEP - 351)
All Values
Mean Values
Adopted Temporal Pattern
Peak Flow (m3/s)
Duration
10 min
15 min
20 min
25 min
30 min
45 min
1 hour
1.50 hour
2 hours
3 hours
4.50 hours
6 hours
9 hours
12 hours
18 hours
24 hours
4366 - 26.909
4358 - 36.89
4404 - 45.949
4394 - 49.917
4504 - 54.293
4533 - 52.691
4559 - 51.916
4584 - 41.731
4619 - 46.393
4651 - 34.123
4686 - 32.15
4587 - 31.348
4743 - 25.591
4724 - 32.361
4814 - 18.462
4860 - 17.122

0.2%AEP

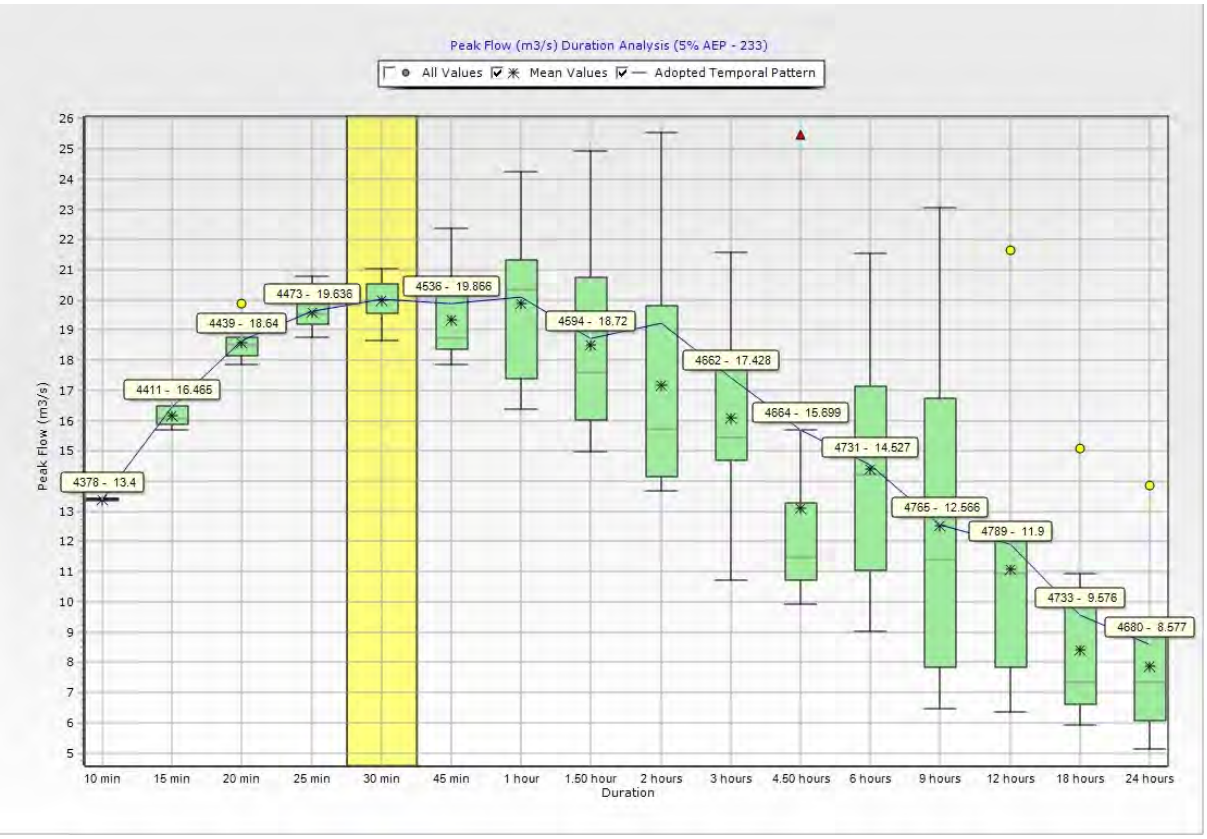

Peak Flow (m3/s) Duration Analysis (0.2% AEP - 351)
All Values
Mean Values
Adopted Temporal Pattern
Peak Flow (m3/s)
Duration
10 min
15 min
20 min
25 min
30 min
45 min
1 hour
1.50 hour
2 hours
3 hours
4.50 hours
6 hours
9 hours
12 hours
18 hours
24 hours
4365 - 42.943
4400 - 61.953
4399 - 72.039
4466 - 76.689
4504 - 81.804
4527 - 76.113
4559 - 72.795
4430 - 59.192
4617 - 62.483
4652 - 46.695
4686 - 44.038
4529 - 42.393
4530 - 38.598
4443 - 43.943
4819 - 34.04
4860 - 23.971

ARR2016 Box Plots for Showground Channel at Mulgoa Road

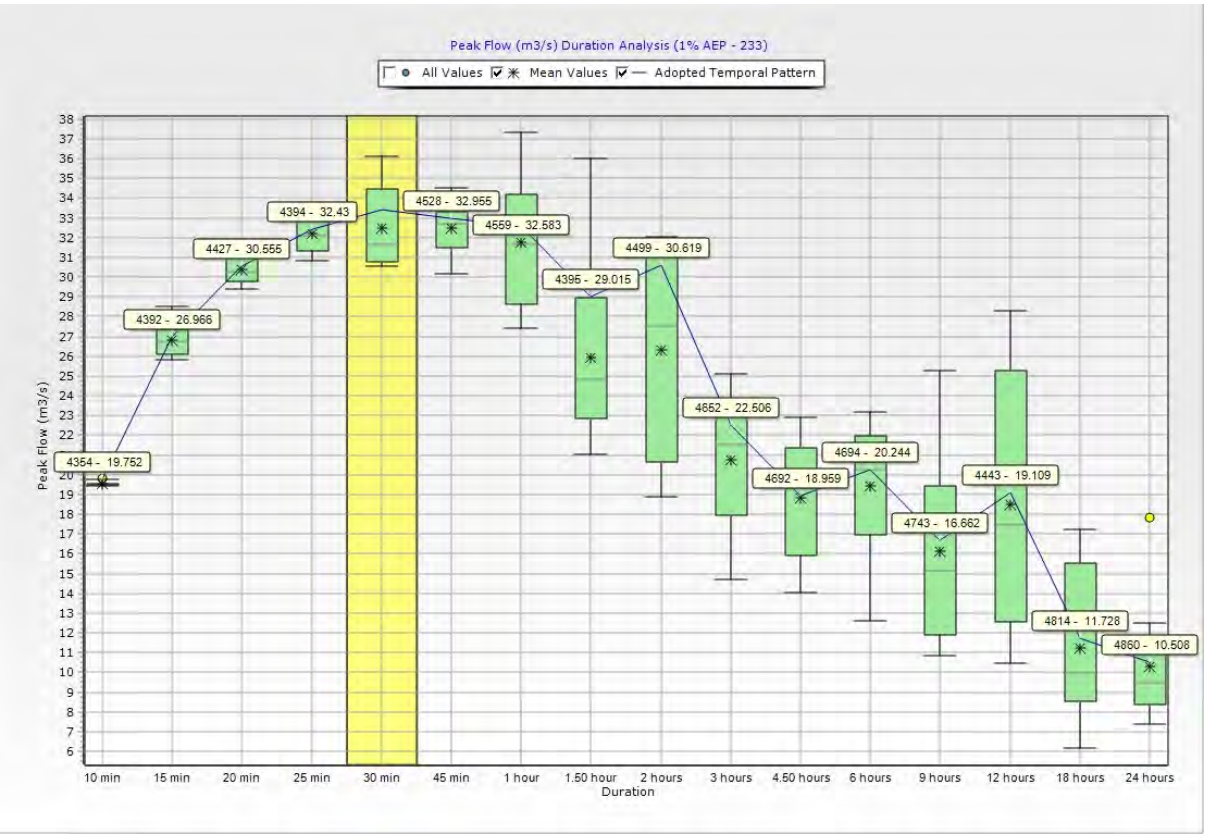
20%AEP



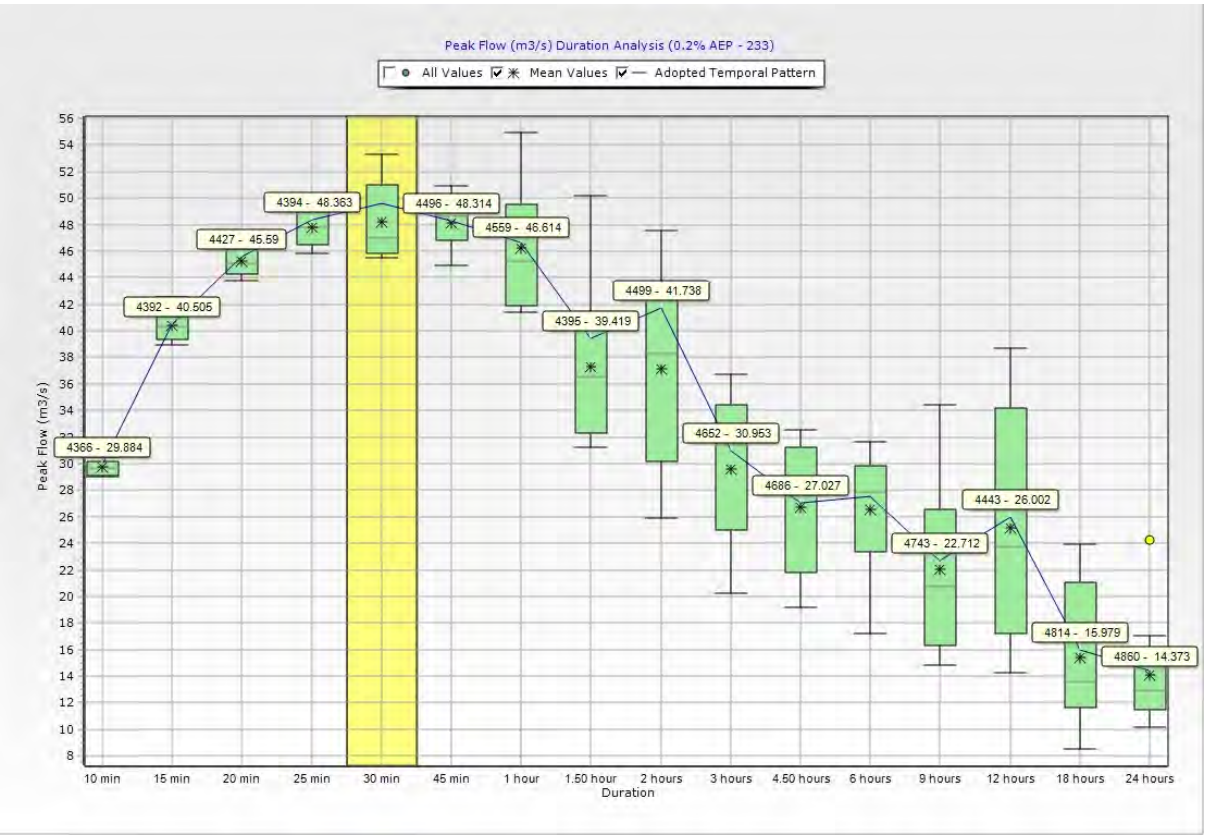
5%AEP



1%AEP


Peak Flow (m3/s) Duration Analysis (1% AEP - 233)
All Values
Mean Values
Adopted Temporal Pattern
Peak Flow (m3/s)
4354 - 19.752
4392 - 26.966
4427 - 30.555
4394 - 32.43
4528 - 32.955
4559 - 32.583
4395 - 29.015
4499 - 30.619
4652 - 22.506
4692 - 18.959
4694 - 20.244
4743 - 16.662
4443 - 19.109
4814 - 11.728
4860 - 10.508
10 min
15 min
20 min
25 min
30 min
45 min
1 hour
1.50 hour
2 hours
3 hours
4.50 hours
6 hours
9 hours
12 hours
18 hours
24 hours
Duration

0.2%AEP


Peak Flow (m3/s) Duration Analysis (0.2% AEP - 233)
All Values
Mean Values
Adopted Temporal Pattern
Peak Flow (m3/s)
4366 - 29.884
4392 - 40.505
4427 - 45.59
4394 - 48.363
4496 - 48.314
4559 - 46.614
4395 - 39.419
4499 - 41.738
4652 - 30.953
4686 - 27.027
4743 - 22.712
4443 - 26.002
4814 - 15.979
4860 - 14.373
10 min
15 min
20 min
25 min
30 min
45 min
1 hour
1.50 hour
2 hours
3 hours
4.50 hours
6 hours
9 hours
12 hours
18 hours
24 hours
Duration

APPENDIX M

XP-RAFTS SENSITIVITY OUTPUTS

Rainfall Loss Sensitivity Results for the 5% AEP Event

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
1	141.77	145.62	2.7%	137.39	-3.1%	173.18	22.2%	140.55	-0.9%
2	1.11	1.12	0.9%	1.00	-9.9%	1.39	25.2%	0.94	-15.3%
3	1.01	1.03	2.0%	0.99	-2.0%	1.27	25.7%	0.98	-3.0%
4	2.11	2.15	1.9%	2.08	-1.4%	2.72	28.9%	1.81	-14.2%
5	2.46	2.50	1.6%	2.42	-1.6%	2.90	17.9%	2.15	-12.6%
6	6.03	6.12	1.5%	5.92	-1.8%	7.54	25.0%	5.84	-3.2%
7	7.22	7.34	1.7%	7.10	-1.7%	8.90	23.3%	5.93	-17.9%
8	7.47	7.60	1.7%	7.33	-1.9%	9.68	29.6%	6.08	-18.6%
9	1.04	1.05	1.0%	1.03	-1.0%	1.45	39.4%	0.85	-18.3%
10	9.94	10.08	1.4%	9.79	-1.5%	12.45	25.3%	8.56	-13.9%
11	1.01	1.03	2.0%	1.00	-1.0%	1.26	24.8%	0.98	-3.0%
12	4.18	4.24	1.4%	4.11	-1.7%	4.95	18.4%	3.60	-13.9%
13	0.68	0.69	1.5%	0.67	-1.5%	0.87	27.9%	0.57	-16.2%
14	0.91	0.93	2.2%	0.90	-1.1%	1.26	38.5%	0.77	-15.4%
15	2.17	2.21	1.8%	2.14	-1.4%	2.79	28.6%	1.76	-18.9%
16	15.44	15.67	1.5%	15.19	-1.6%	19.39	25.6%	12.11	-21.6%
17	1.06	1.06	0.0%	1.05	-0.9%	1.16	9.4%	1.06	0.0%
18	3.87	3.87	0.0%	3.86	-0.3%	4.42	14.2%	3.87	0.0%
19	1.19	1.22	2.5%	1.15	-3.4%	1.49	25.2%	0.96	-19.3%
20	5.63	5.72	1.6%	5.54	-1.6%	6.64	17.9%	4.86	-13.7%
21	6.76	6.92	2.4%	6.60	-2.4%	7.90	16.9%	5.39	-20.3%
22	17.12	17.39	1.6%	16.83	-1.7%	21.17	23.7%	13.59	-20.6%
23	1.54	1.58	2.6%	1.51	-1.9%	1.92	24.7%	1.51	-1.9%
24	6.66	6.77	1.7%	6.55	-1.7%	8.11	21.8%	5.76	-13.5%
25	7.89	8.02	1.6%	7.75	-1.8%	9.59	21.5%	6.04	-23.4%
26	11.68	11.84	1.4%	11.50	-1.5%	14.16	21.2%	10.18	-12.8%
27	1.33	1.35	1.5%	1.31	-1.5%	1.75	31.6%	1.07	-19.5%
28	1.28	1.28	0.0%	1.28	0.0%	1.48	15.6%	1.28	0.0%
29	5.43	5.43	0.0%	5.41	-0.4%	6.42	18.2%	5.20	-4.2%
30	1.37	1.39	1.5%	1.35	-1.5%	1.83	33.6%	1.09	-20.4%
31	21.76	23.83	9.5%	21.33	-2.0%	28.30	30.1%	18.92	-13.1%
32	1.63	1.63	0.0%	1.63	0.0%	1.71	4.9%	1.63	0.0%
33	7.21	7.26	0.7%	7.14	-1.0%	8.30	15.1%	6.36	-11.8%
34	15.35	15.52	1.1%	15.07	-1.8%	15.91	3.6%	14.17	-7.7%
35	1.23	1.25	1.6%	1.21	-1.6%	1.74	41.5%	1.06	-13.8%
36	4.65	4.72	1.5%	4.58	-1.5%	5.98	28.6%	3.74	-19.6%
37	2.04	2.06	1.0%	2.01	-1.5%	2.56	25.5%	1.69	-17.2%
38	2.54	2.58	1.6%	2.50	-1.6%	3.08	21.3%	1.86	-26.8%
39	6.11	6.20	1.5%	6.01	-1.6%	7.93	29.8%	4.92	-19.5%
40	23.94	24.50	2.3%	21.88	-8.6%	28.81	20.3%	19.50	-18.5%
41	1.02	1.02	0.0%	1.02	0.0%	1.26	23.5%	1.02	0.0%
42	27.64	28.31	2.4%	26.94	-2.5%	33.32	20.5%	21.85	-20.9%
43	1.83	1.83	0.0%	1.82	-0.5%	1.92	4.9%	1.83	0.0%
44	15.36	15.54	1.2%	15.08	-1.8%	15.93	3.7%	14.21	-7.5%
45	0.98	0.99	1.0%	0.96	-2.0%	1.34	36.7%	0.81	-17.3%
46	27.85	28.52	2.4%	27.14	-2.5%	33.40	19.9%	22.12	-20.6%
47	0.77	0.78	1.3%	0.76	-1.3%	1.09	41.6%	0.66	-14.3%
48	1.38	1.40	1.4%	1.36	-1.4%	1.77	28.3%	1.17	-15.2%
49	0.90	1.01	12.2%	0.98	8.9%	1.23	36.7%	0.86	-4.4%
50	2.95	2.99	1.4%	2.90	-1.7%	3.93	33.2%	2.40	-18.6%
51	1.82	1.82	0.0%	1.82	0.0%	1.91	4.9%	1.82	0.0%
52	3.00	3.00	0.0%	2.99	-0.3%	3.52	17.3%	2.93	-2.3%
53	2.80	2.80	0.0%	2.79	-0.4%	3.25	16.1%	2.88	2.9%
54	28.66	28.80	0.5%	27.91	-2.6%	33.77	17.8%	22.93	-20.0%
55	1.85	1.85	0.0%	1.84	-0.5%	1.94	4.9%	1.85	0.0%
56	4.97	4.97	0.0%	4.96	-0.2%	5.68	14.3%	4.94	-0.6%
57	6.99	6.99	0.0%	6.96	-0.4%	7.87	12.6%	6.99	0.0%
58	15.33	15.31	-0.1%	14.78	-3.6%	16.11	5.1%	15.15	-1.2%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
59	2.89	2.89	0.0%	2.88	-0.3%	3.00	3.8%	2.89	0.0%
60	17.73	18.33	3.4%	17.04	-3.9%	18.60	4.9%	17.46	-1.5%
61	3.27	3.32	1.5%	3.22	-1.5%	3.98	21.7%	2.53	-22.6%
62	4.98	5.06	1.6%	4.90	-1.6%	6.12	22.9%	3.89	-21.9%
63	1.34	1.35	0.7%	1.32	-1.5%	1.91	42.5%	1.15	-14.2%
64	9.42	9.55	1.4%	9.27	-1.6%	11.48	21.9%	7.07	-24.9%
65	0.75	0.76	1.3%	0.74	-1.3%	1.01	34.7%	0.60	-20.0%
66	28.10	28.85	2.7%	27.29	-2.9%	34.09	21.3%	24.01	-14.6%
67	0.84	0.86	2.4%	0.83	-1.2%	1.12	33.3%	0.81	-3.6%
68	1.17	1.19	1.7%	1.16	-0.9%	1.60	36.8%	0.97	-17.1%
69	10.80	11.00	1.9%	10.57	-2.1%	13.99	29.5%	9.20	-14.8%
70	28.36	29.12	2.7%	27.54	-2.9%	34.15	20.4%	24.25	-14.5%
71	1.36	1.36	0.0%	1.35	-0.7%	1.49	9.6%	1.36	0.0%
72	36.27	37.22	2.6%	35.23	-2.9%	44.63	23.0%	36.86	1.6%
73	1.78	1.80	1.1%	1.75	-1.7%	2.27	27.5%	1.59	-10.7%
74	9.69	9.87	1.9%	10.44	7.7%	12.93	33.4%	8.09	-16.5%
75	1.41	1.41	0.0%	1.41	0.0%	1.44	2.1%	1.41	0.0%
76	5.04	5.04	0.0%	5.02	-0.4%	5.19	3.0%	5.04	0.0%
77	6.52	6.52	0.0%	6.50	-0.3%	6.92	6.1%	6.52	0.0%
78	19.79	19.90	0.6%	19.06	-3.7%	20.56	3.9%	19.03	-3.8%
79	1.49	1.49	0.0%	1.45	-2.7%	1.72	15.4%	1.49	0.0%
80	36.78	37.75	2.6%	35.71	-2.9%	44.79	21.8%	36.02	-2.1%
81	1.55	1.55	0.0%	1.54	-0.6%	1.58	1.9%	1.55	0.0%
82	21.50	21.64	0.7%	20.94	-2.6%	24.81	15.4%	21.08	-2.0%
83	1.00	1.00	0.0%	0.99	-1.0%	1.09	9.0%	0.93	-7.0%
84	2.67	2.70	1.1%	2.63	-1.5%	3.15	18.0%	2.29	-14.2%
85	1.23	1.24	0.8%	1.22	-0.8%	1.52	23.6%	1.01	-17.9%
86	2.12	2.15	1.4%	2.09	-1.4%	2.89	36.3%	1.84	-13.2%
87	1.11	1.11	0.0%	1.11	0.0%	1.37	23.4%	1.10	-0.9%
88	37.45	38.45	2.7%	36.35	-2.9%	45.38	21.2%	36.78	-1.8%
89	0.97	0.98	1.0%	0.95	-2.1%	1.17	20.6%	0.82	-15.5%
90	38.41	39.53	2.9%	37.20	-3.2%	43.79	14.0%	36.20	-5.8%
91	1.22	1.22	0.0%	1.22	0.0%	1.40	14.8%	1.22	0.0%
92	3.85	3.90	1.3%	3.80	-1.3%	4.76	23.6%	3.65	-5.2%
93	2.68	2.73	1.9%	2.63	-1.9%	3.46	29.1%	2.29	-14.6%
94	38.56	39.69	2.9%	37.34	-3.2%	43.85	13.7%	36.32	-5.8%
95	1.72	1.72	0.0%	1.71	-0.6%	1.75	1.7%	1.72	0.0%
96	1.97	1.97	0.0%	1.91	-3.0%	2.01	2.0%	1.97	0.0%
97	1.77	1.77	0.0%	1.76	-0.6%	1.88	6.2%	1.77	0.0%
98	22.02	21.96	-0.3%	21.79	-1.0%	22.33	1.4%	21.75	-1.2%
99	1.52	1.52	0.0%	1.51	-0.7%	1.77	16.4%	1.52	0.0%
100	40.55	41.74	2.9%	39.24	-3.2%	45.13	11.3%	38.27	-5.6%
101	1.30	1.30	0.0%	1.29	-0.8%	1.67	28.5%	1.30	0.0%
102	5.71	5.80	1.6%	5.60	-1.9%	6.76	18.4%	4.64	-18.7%
103	3.98	3.98	0.0%	3.97	-0.3%	4.13	3.8%	3.98	0.0%
104	4.83	4.83	0.0%	4.81	-0.4%	4.89	1.2%	4.83	0.0%
105	1.37	1.37	0.0%	1.37	0.0%	1.40	2.2%	1.37	0.0%
106	0.00	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
107	1.59	1.59	0.0%	1.58	-0.6%	1.96	23.3%	1.59	0.0%
108	6.34	6.43	1.4%	6.21	-2.1%	7.18	13.2%	5.23	-17.5%
109	1.41	1.41	0.0%	1.41	0.0%	1.47	4.3%	1.41	0.0%
110	0.00	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
111	1.63	1.63	0.0%	1.63	0.0%	1.78	9.2%	1.63	0.0%
112	40.96	42.17	3.0%	39.64	-3.2%	45.20	10.4%	38.55	-5.9%
113	1.24	1.34	8.1%	1.22	-1.6%	1.62	30.6%	1.01	-18.5%
114	1.76	1.79	1.7%	1.73	-1.7%	2.24	27.3%	1.67	-5.1%
115	1.23	1.23	0.0%	1.22	-0.8%	1.55	26.0%	1.23	0.0%
116	10.67	10.67	0.0%	10.63	-0.4%	11.63	9.0%	10.67	0.0%
117	24.89	24.98	0.4%	24.21	-2.7%	27.69	11.2%	24.23	-2.7%
118	41.12	42.34	3.0%	39.79	-3.2%	45.24	10.0%	38.66	-6.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
119	2.07	2.07	0.0%	2.06	-0.5%	2.42	16.9%	2.07	0.0%
120	4.72	4.74	0.4%	4.68	-0.8%	5.60	18.6%	3.96	-16.1%
121	7.36	7.43	1.0%	7.27	-1.2%	8.95	21.6%	6.83	-7.2%
122	7.06	7.26	2.8%	6.87	-2.7%	8.10	14.7%	6.66	-5.7%
123	11.19	11.20	0.1%	11.15	-0.4%	13.40	19.7%	10.89	-2.7%
124	0.00	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
125	1.98	1.98	0.0%	1.97	-0.5%	2.36	19.2%	1.98	0.0%
126	62.80	64.48	2.7%	60.75	-3.3%	68.02	8.3%	58.03	-7.6%
127	2.59	2.62	1.2%	2.56	-1.2%	3.26	25.9%	2.37	-8.5%
128	6.07	6.14	1.2%	5.99	-1.3%	7.44	22.6%	5.16	-15.0%
129	2.15	2.17	0.9%	2.12	-1.4%	2.67	24.2%	2.05	-4.7%
130	68.03	69.50	2.2%	65.92	-3.1%	72.32	6.3%	62.00	-8.9%
131	4.04	4.05	0.2%	4.03	-0.2%	4.96	22.8%	4.05	0.2%
132	12.47	12.73	2.1%	12.10	-3.0%	13.90	11.5%	10.95	-12.2%
133	3.21	3.21	0.0%	3.20	-0.3%	3.99	24.3%	3.21	0.0%
134	14.20	14.51	2.2%	13.80	-2.8%	15.81	11.3%	12.13	-14.6%
135	2.25	2.25	0.0%	2.24	-0.4%	2.45	8.9%	2.25	0.0%
136	2.04	2.06	1.0%	2.02	-1.0%	2.34	14.7%	1.79	-12.3%
137	1.42	1.42	0.0%	1.42	0.0%	1.69	19.0%	1.42	0.0%
138	15.78	16.17	2.5%	15.22	-3.5%	17.92	13.6%	14.29	-9.4%
139	12.79	12.90	0.9%	12.65	-1.1%	15.87	24.1%	10.08	-21.2%
140	1.14	1.14	0.0%	1.14	0.0%	1.29	13.2%	1.14	0.0%
141	16.28	16.67	2.4%	15.70	-3.6%	18.88	16.0%	14.91	-8.4%
142	0.71	0.71	0.0%	0.70	-1.4%	0.87	22.5%	0.71	0.0%
143	16.49	16.99	3.0%	15.99	-3.0%	19.66	19.2%	14.89	-9.7%
144	16.92	17.37	2.7%	16.69	-1.4%	20.74	22.6%	15.73	-7.0%
145	69.31	70.57	1.8%	67.16	-3.1%	72.91	5.2%	64.27	-7.3%
146	3.16	3.16	0.0%	3.14	-0.6%	3.73	18.0%	3.16	0.0%
147	3.87	3.87	0.0%	3.86	-0.3%	3.97	2.6%	3.87	0.0%
148	1.18	1.18	0.0%	1.18	0.0%	1.33	12.7%	1.18	0.0%
149	2.58	2.58	0.0%	2.57	-0.4%	2.97	15.1%	2.58	0.0%
150	4.11	4.11	0.0%	4.05	-1.5%	5.06	23.1%	4.11	0.0%
151	7.26	7.26	0.0%	7.23	-0.4%	8.25	13.6%	7.02	-3.3%
152	0.99	0.99	0.0%	0.99	0.0%	1.26	27.3%	0.99	0.0%
153	3.31	3.44	3.9%	2.99	-9.7%	3.43	3.6%	3.11	-6.0%
154	5.03	5.03	0.0%	5.02	-0.2%	5.16	2.6%	5.03	0.0%
155	84.22	86.36	2.5%	81.64	-3.1%	90.03	6.9%	80.83	-4.0%
156	1.80	1.80	0.0%	1.79	-0.6%	1.81	0.6%	1.80	0.0%
157	3.30	3.30	0.0%	3.29	-0.3%	3.32	0.6%	3.30	0.0%
158	1.53	1.55	1.3%	1.51	-1.3%	1.89	23.5%	1.43	-6.5%
159	85.28	87.44	2.5%	82.67	-3.1%	90.59	6.2%	82.01	-3.8%
160	2.56	2.56	0.0%	2.55	-0.4%	3.01	17.6%	2.56	0.0%
161	3.26	3.26	0.0%	3.25	-0.3%	3.85	18.1%	3.26	0.0%
162	11.19	11.20	0.1%	11.15	-0.4%	12.77	14.1%	11.10	-0.8%
163	85.73	87.91	2.5%	83.12	-3.0%	93.41	9.0%	82.40	-3.9%
164	1.52	1.52	0.0%	1.51	-0.7%	2.12	39.5%	1.50	-1.3%
165	11.93	12.00	0.6%	11.84	-0.8%	12.53	5.0%	8.84	-25.9%
166	7.34	7.38	0.5%	7.27	-1.0%	8.38	14.2%	5.97	-18.7%
167	11.66	11.73	0.6%	11.57	-0.8%	12.76	9.4%	8.69	-25.5%
168	1.06	1.06	0.0%	1.06	0.0%	1.40	32.1%	1.06	0.0%
169	1.27	1.28	0.8%	1.26	-0.8%	1.73	36.2%	1.22	-3.9%
170	2.32	2.34	0.9%	2.29	-1.3%	2.97	28.0%	2.16	-6.9%
171	13.47	13.54	0.5%	13.35	-0.9%	14.17	5.2%	10.51	-22.0%
172	1.59	1.62	1.9%	1.56	-1.9%	2.03	27.7%	1.49	-6.3%
173	2.28	2.31	1.3%	2.25	-1.3%	2.91	27.6%	1.85	-18.9%
174	88.12	90.75	3.0%	85.00	-3.5%	97.36	10.5%	87.87	-0.3%
175	4.21	4.27	1.4%	4.14	-1.7%	5.28	25.4%	3.99	-5.2%
176	1.25	1.26	0.8%	1.23	-1.6%	1.60	28.0%	1.07	-14.4%
177	1.63	1.66	1.8%	1.60	-1.8%	2.05	25.8%	1.53	-6.1%
178	3.05	3.09	1.3%	3.00	-1.6%	3.65	19.7%	2.59	-15.1%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
179	4.04	4.04	0.0%	4.02	-0.5%	4.73	17.1%	4.04	0.0%
180	1.18	1.18	0.0%	1.18	0.0%	1.46	23.7%	1.18	0.0%
181	90.01	92.56	2.8%	86.81	-3.6%	99.92	11.0%	88.97	-1.2%
182	1.45	1.45	0.0%	1.45	0.0%	1.68	15.9%	1.45	0.0%
183	3.57	3.60	0.8%	3.53	-1.1%	4.41	23.5%	3.17	-11.2%
184	0.94	0.94	0.0%	0.94	0.0%	1.01	7.4%	0.94	0.0%
185	6.47	6.52	0.8%	6.40	-1.1%	7.39	14.2%	5.18	-19.9%
186	1.37	1.40	2.2%	1.35	-1.5%	1.72	25.5%	1.31	-4.4%
187	1.49	1.52	2.0%	1.47	-1.3%	2.03	36.2%	1.41	-5.4%
188	1.28	1.30	1.6%	1.25	-2.3%	1.60	25.0%	1.21	-5.5%
189	3.09	3.15	1.9%	3.04	-1.6%	3.82	23.6%	2.95	-4.5%
190	1.21	1.21	0.0%	1.21	0.0%	1.39	14.9%	1.21	0.0%
191	90.14	92.80	3.0%	86.94	-3.6%	100.34	11.3%	89.07	-1.2%
192	8.62	8.66	0.5%	8.54	-0.9%	9.45	9.6%	6.70	-22.3%
193	15.07	15.16	0.6%	14.92	-1.0%	17.86	18.5%	11.98	-20.5%
194	1.33	1.33	0.0%	1.32	-0.8%	1.62	21.8%	1.33	0.0%
195	6.65	6.65	0.0%	6.63	-0.3%	7.15	7.5%	6.65	0.0%
196	1.49	1.49	0.0%	1.48	-0.7%	1.61	8.1%	1.49	0.0%
197	23.11	23.30	0.8%	22.83	-1.2%	27.60	19.4%	18.04	-21.9%
198	7.78	7.78	0.0%	7.75	-0.4%	8.84	13.6%	7.76	-0.3%
199	90.29	92.99	3.0%	87.08	-3.6%	100.85	11.7%	89.24	-1.2%
200	0.99	1.00	1.0%	0.97	-2.0%	1.23	24.2%	0.94	-5.1%
201	23.60	24.14	2.3%	23.33	-1.1%	28.50	20.8%	18.82	-20.3%
202	7.30	7.39	1.2%	7.20	-1.4%	8.99	23.2%	6.96	-4.7%
203	24.19	24.38	0.8%	23.90	-1.2%	28.79	19.0%	19.29	-20.3%
204	6.56	6.70	2.1%	6.41	-2.3%	8.46	29.0%	5.42	-17.4%
205	91.47	94.21	3.0%	88.19	-3.6%	103.66	13.3%	90.36	-1.2%
206	1.08	1.09	0.9%	1.06	-1.9%	1.38	27.8%	1.01	-6.5%
207	32.05	32.33	0.9%	31.65	-1.2%	37.90	18.3%	29.23	-8.8%
208	1.53	1.55	1.3%	1.50	-2.0%	1.90	24.2%	1.47	-3.9%
209	95.55	98.13	2.7%	92.20	-3.5%	107.22	12.2%	92.89	-2.8%
210	1.07	1.07	0.0%	1.07	0.0%	1.37	28.0%	1.07	0.0%
211	96.01	98.61	2.7%	92.63	-3.5%	103.95	8.3%	93.19	-2.9%
212	2.11	2.11	0.0%	2.11	0.0%	2.17	2.8%	2.11	0.0%
213	33.37	33.63	0.8%	32.95	-1.3%	40.20	20.5%	25.78	-22.7%
214	2.26	2.28	0.9%	2.23	-1.3%	2.66	17.7%	2.18	-3.5%
215	96.22	98.83	2.7%	92.83	-3.5%	108.00	12.2%	93.24	-3.1%
216	33.99	34.26	0.8%	33.55	-1.3%	40.95	20.5%	25.82	-24.0%
217	96.87	99.50	2.7%	93.45	-3.5%	105.04	8.4%	93.72	-3.3%
218	0.17	0.18	5.9%	0.14	-17.6%	0.17	0.0%	0.17	0.0%
219	2.15	2.18	1.4%	2.13	-0.9%	2.65	23.3%	1.57	-27.0%
220	1.38	1.38	0.0%	1.37	-0.7%	1.40	1.4%	1.38	0.0%
221	2.31	2.31	0.0%	2.31	0.0%	2.42	4.8%	2.31	0.0%
222	6.01	6.01	0.0%	5.99	-0.3%	6.64	10.5%	6.01	0.0%
223	5.35	5.35	0.0%	5.33	-0.4%	5.87	9.7%	5.23	-2.2%
224	1.94	1.94	0.0%	1.93	-0.5%	2.22	14.4%	1.94	0.0%
225	2.49	2.49	0.0%	2.60	4.4%	2.63	5.6%	2.49	0.0%
226	1.58	1.58	0.0%	1.57	-0.6%	1.84	16.5%	1.58	0.0%
227	4.48	4.48	0.0%	4.47	-0.2%	4.85	8.3%	4.48	0.0%
228	1.09	1.09	0.0%	1.08	-0.9%	1.24	13.8%	1.09	0.0%
229	5.74	5.74	0.0%	5.72	-0.3%	6.34	10.5%	5.74	0.0%
230	2.77	2.77	0.0%	2.76	-0.4%	3.07	10.8%	2.77	0.0%
231	11.26	12.42	10.3%	11.21	-0.4%	14.02	24.5%	11.97	6.3%
232	1.19	1.20	0.8%	1.17	-1.7%	1.47	23.5%	1.14	-4.2%
233	20.02	20.07	0.2%	19.87	-0.7%	24.11	20.4%	17.69	-11.6%
234	0.41	0.42	2.4%	0.39	-4.9%	0.40	-2.4%	0.36	-12.2%
235	122.12	125.49	2.8%	118.07	-3.3%	138.96	13.8%	113.85	-6.8%
236	0.86	0.86	0.0%	0.86	0.0%	0.90	4.7%	0.86	0.0%
237	20.91	20.98	0.3%	20.74	-0.8%	25.00	19.6%	18.11	-13.4%
238	2.57	2.61	1.6%	2.53	-1.6%	3.00	16.7%	2.18	-15.2%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
239	0.41	0.42	2.4%	0.39	-4.9%	0.40	-2.4%	0.36	-12.2%
240	1.97	1.97	0.0%	1.96	-0.5%	1.93	-2.0%	1.97	0.0%
241	13.80	13.88	0.6%	13.66	-1.0%	16.52	19.7%	12.95	-6.2%
242	7.60	7.60	0.0%	7.57	-0.4%	8.63	13.6%	7.57	-0.4%
243	15.11	15.20	0.6%	14.94	-1.1%	17.77	17.6%	13.20	-12.6%
244	1.58	1.60	1.3%	1.56	-1.3%	2.02	27.8%	1.52	-3.8%
245	122.86	126.24	2.8%	118.79	-3.3%	141.16	14.9%	114.84	-6.5%
246	1.71	1.71	0.0%	1.71	0.0%	1.69	-1.2%	1.71	0.0%
247	3.10	3.10	0.0%	3.09	-0.3%	3.10	0.0%	3.10	0.0%
248	1.66	1.66	0.0%	1.65	-0.6%	1.73	4.2%	1.66	0.0%
249	6.13	6.13	0.0%	6.11	-0.3%	6.14	0.2%	6.13	0.0%
250	21.72	21.85	0.6%	21.71	0.0%	25.86	19.1%	18.50	-14.8%
251	122.93	126.31	2.7%	118.85	-3.3%	141.21	14.9%	115.31	-6.2%
252	3.56	3.56	0.0%	3.55	-0.3%	3.56	0.0%	3.56	0.0%
253	10.33	10.33	0.0%	10.29	-0.4%	11.82	14.4%	10.23	-1.0%
254	1.83	1.85	1.1%	1.80	-1.6%	2.31	26.2%	1.58	-13.7%
255	136.19	139.86	2.7%	130.74	-4.0%	159.32	17.0%	132.92	-2.4%
256	7.97	7.97	0.0%	7.94	-0.4%	8.15	2.3%	7.97	0.0%
257	10.78	10.80	0.2%	10.72	-0.6%	11.97	11.0%	10.23	-5.1%
258	15.03	15.14	0.7%	14.92	-0.7%	16.80	11.8%	13.79	-8.3%
259	136.28	139.95	2.7%	130.81	-4.0%	159.39	17.0%	133.65	-1.9%
260	3.21	3.21	0.0%	3.20	-0.3%	3.31	3.1%	3.21	0.0%
261	3.58	3.58	0.0%	3.57	-0.3%	4.23	18.2%	3.58	0.0%
262	6.66	6.66	0.0%	6.64	-0.3%	7.88	18.3%	6.54	-1.8%
263	141.50	145.30	2.7%	140.22	-0.9%	163.64	15.6%	139.06	-1.7%
264	1.03	1.05	1.9%	1.02	-1.0%	1.31	27.2%	0.96	-6.8%
265	2.11	2.13	0.9%	2.07	-1.9%	2.69	27.5%	1.81	-14.2%
266	1.21	1.23	1.7%	1.19	-1.7%	1.64	35.5%	1.15	-5.0%
267	3.15	3.18	1.0%	3.12	-1.0%	3.91	24.1%	2.60	-17.5%
268	1.00	1.02	2.0%	0.98	-2.0%	1.30	30.0%	0.95	-5.0%
269	2.00	2.03	1.5%	1.97	-1.5%	2.61	30.5%	1.54	-23.0%
270	1.25	1.27	1.6%	1.23	-1.6%	1.47	17.6%	1.08	-13.6%
271	4.44	4.50	1.4%	4.37	-1.6%	5.85	31.8%	3.73	-16.0%
272	2.19	2.24	2.3%	2.14	-2.3%	2.93	33.8%	1.82	-16.9%
273	3.05	3.10	1.6%	3.00	-1.6%	3.77	23.6%	2.61	-14.4%
274	1.15	1.17	1.7%	1.13	-1.7%	1.49	29.6%	1.10	-4.3%
275	4.70	4.77	1.5%	4.63	-1.5%	5.92	26.0%	3.51	-25.3%
276	0.44	0.44	0.0%	0.43	-2.3%	0.61	38.6%	0.42	-4.5%
277	5.95	6.04	1.5%	5.85	-1.7%	7.45	25.2%	5.10	-14.3%
278	3.53	3.57	1.1%	3.48	-1.4%	4.42	25.2%	2.80	-20.7%
279	6.41	6.51	1.6%	6.32	-1.4%	8.00	24.8%	5.53	-13.7%
280	1.48	1.51	2.0%	1.44	-2.7%	1.97	33.1%	1.25	-15.5%
281	5.65	5.74	1.6%	5.55	-1.8%	7.17	26.9%	4.51	-20.2%
282	1.91	1.93	1.0%	1.88	-1.6%	2.50	30.9%	1.48	-22.5%
283	4.51	4.59	1.8%	4.42	-2.0%	5.77	27.9%	3.72	-17.5%
284	2.59	2.62	1.2%	2.56	-1.2%	3.44	32.8%	2.15	-17.0%
285	0.99	1.01	2.0%	0.97	-2.0%	1.31	32.3%	0.94	-5.1%
286	6.08	5.60	-7.9%	5.42	-10.9%	7.19	18.3%	4.52	-25.7%
287	5.44	5.54	1.8%	5.33	-2.0%	7.14	31.3%	4.68	-14.0%
288	15.40	15.63	1.5%	15.15	-1.6%	19.32	25.5%	12.05	-21.8%
289	1.81	1.85	2.2%	1.77	-2.2%	2.46	35.9%	1.53	-15.5%
290	1.24	1.27	2.4%	1.21	-2.4%	1.60	29.0%	1.14	-8.1%
291	1.84	1.88	2.2%	1.81	-1.6%	2.53	37.5%	1.56	-15.2%
292	17.12	17.39	1.6%	16.83	-1.7%	21.17	23.7%	13.59	-20.6%
293	6.57	6.72	2.3%	6.41	-2.4%	7.82	19.0%	5.27	-19.8%
294	11.27	11.43	1.4%	11.09	-1.6%	13.74	21.9%	9.79	-13.1%
295	15.36	15.53	1.1%	15.08	-1.8%	15.92	3.6%	14.19	-7.6%
296	23.13	22.82	-1.3%	22.60	-2.3%	24.03	3.9%	22.67	-2.0%
297	23.84	23.51	-1.4%	23.66	-0.8%	25.91	8.7%	23.20	-2.7%
298	10.41	10.41	0.0%	10.37	-0.4%	10.95	5.2%	10.41	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
299	0.99	1.00	1.0%	0.99	0.0%	1.07	8.1%	0.93	-6.1%
300	2.21	2.24	1.4%	2.18	-1.4%	2.60	17.6%	1.89	-14.5%
301	3.72	3.77	1.3%	3.66	-1.6%	4.84	30.1%	3.46	-7.0%
302	9.92	10.01	0.9%	9.79	-1.3%	11.56	16.5%	8.49	-14.4%
303	3.57	3.60	0.8%	3.52	-1.4%	3.97	11.2%	2.69	-24.6%
304	2.35	2.38	1.3%	2.32	-1.3%	3.05	29.8%	2.25	-4.3%
305	6.80	6.85	0.7%	6.72	-1.2%	8.35	22.8%	5.64	-17.1%
306	5.02	5.11	1.8%	4.93	-1.8%	6.30	25.5%	4.78	-4.8%
307	0.06	0.06	0.0%	0.05	-16.7%	0.06	0.0%	0.06	0.0%
308	14.78	14.86	0.5%	14.62	-1.1%	18.08	22.3%	13.17	-10.9%
309	7.46	7.46	0.0%	7.43	-0.4%	8.43	13.0%	7.42	-0.5%
310	136.27	139.94	2.7%	130.79	-4.0%	159.38	17.0%	133.57	-2.0%
311	14.33	14.37	0.3%	14.23	-0.7%	15.80	10.3%	14.13	-1.4%
312	3.04	3.04	0.0%	3.03	-0.3%	3.31	8.9%	3.04	0.0%
313	2.70	2.70	0.0%	2.69	-0.4%	2.99	10.7%	2.70	0.0%
314	11.21	11.22	0.1%	11.17	-0.4%	13.49	20.3%	11.05	-1.4%
315	4.99	4.99	0.0%	4.98	-0.2%	5.25	5.2%	4.99	0.0%
316	3.49	3.49	0.0%	3.48	-0.3%	4.02	15.2%	3.49	0.0%
317	14.86	14.94	0.5%	14.71	-1.0%	17.62	18.6%	11.79	-20.7%
318	8.55	8.60	0.6%	8.48	-0.8%	9.40	9.9%	6.69	-21.8%
319	3.58	3.58	0.0%	3.47	-3.1%	3.52	-1.7%	3.34	-6.7%
320	3.44	3.50	1.7%	3.36	-2.3%	3.49	1.5%	3.30	-4.1%
321	3.52	3.63	3.1%	3.40	-3.4%	3.67	4.3%	3.40	-3.4%
322	3.55	3.60	1.4%	3.48	-2.0%	3.65	2.8%	3.46	-2.5%
323	3.21	3.25	1.2%	3.14	-2.2%	3.29	2.5%	3.15	-1.9%
324	3.19	3.24	1.6%	3.13	-1.9%	3.25	1.9%	3.13	-1.9%
325	12.74	12.84	0.8%	12.59	-1.2%	15.64	22.8%	9.32	-26.8%
326	10.57	10.66	0.9%	10.44	-1.2%	12.62	19.4%	9.08	-14.1%
327	2.23	2.23	0.0%	2.22	-0.4%	2.37	6.3%	2.23	0.0%
328	1.73	1.73	0.0%	1.72	-0.6%	2.15	24.3%	1.73	0.0%
329	0.49	0.49	0.0%	0.48	-2.0%	0.62	26.5%	0.47	-4.1%
330	6.24	6.37	2.1%	6.12	-1.9%	8.08	29.5%	5.02	-19.6%
331	6.59	6.59	0.0%	6.57	-0.3%	6.69	1.5%	6.59	0.0%
332	3.50	3.50	0.0%	3.48	-0.6%	4.14	18.3%	3.50	0.0%
333	1.35	1.35	0.0%	1.35	0.0%	1.38	2.2%	1.35	0.0%
334	9.22	9.31	1.0%	9.10	-1.3%	10.78	16.9%	7.91	-14.2%
335	1.14	1.14	0.0%	1.13	-0.9%	1.39	21.9%	1.14	0.0%
336	2.37	2.37	0.0%	2.37	0.0%	2.75	16.0%	2.35	-0.8%
337	1.53	1.53	0.0%	1.53	0.0%	1.77	15.7%	1.53	0.0%
338	1.81	1.81	0.0%	1.80	-0.6%	1.90	5.0%	1.74	-3.9%
339	3.35	3.35	0.0%	3.34	-0.3%	3.49	4.2%	3.35	0.0%
340	2.39	2.39	0.0%	2.38	-0.4%	3.03	26.8%	2.39	0.0%
341	1.19	1.20	0.8%	1.17	-1.7%	1.56	31.1%	0.93	-21.8%
342	15.40	15.84	2.9%	14.87	-3.4%	16.41	6.6%	15.06	-2.2%
343	10.56	10.56	0.0%	10.53	-0.3%	11.22	6.3%	10.56	0.0%
344	3.37	3.40	0.9%	3.08	-8.6%	3.89	15.4%	3.09	-8.3%
345	0.79	0.80	1.3%	0.78	-1.3%	1.03	30.4%	0.77	-2.5%
346	0.87	0.87	0.0%	0.87	0.0%	0.92	5.7%	0.87	0.0%
347	1.06	1.06	0.0%	1.06	0.0%	1.37	29.2%	1.06	0.0%
348	7.61	7.66	0.7%	7.53	-1.1%	8.52	12.0%	6.02	-20.9%
349	6.93	7.00	1.0%	6.83	-1.4%	8.74	26.1%	6.63	-4.3%
350	2.30	2.30	0.0%	2.30	0.0%	2.38	3.5%	2.30	0.0%
351	32.58	32.87	0.9%	32.16	-1.3%	38.60	18.5%	29.77	-8.6%
352	3.18	3.18	0.0%	3.17	-0.3%	3.54	11.3%	3.18	0.0%
353	4.16	4.16	0.0%	4.15	-0.2%	4.37	5.0%	4.16	0.0%
354	0.97	0.98	1.0%	0.95	-2.1%	1.19	22.7%	0.92	-5.2%
355	21.33	21.45	0.6%	20.88	-2.1%	25.18	18.0%	18.27	-14.3%
356	21.56	21.69	0.6%	21.17	-1.8%	25.34	17.5%	18.39	-14.7%
357	1.00	1.02	2.0%	0.99	-1.0%	1.25	25.0%	0.98	-2.0%
358	11.01	11.01	0.0%	10.97	-0.4%	11.29	2.5%	9.95	-9.6%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
359	9.07	9.07	0.0%	9.04	-0.3%	9.39	3.5%	9.07	0.0%
360	10.27	10.27	0.0%	10.23	-0.4%	11.70	13.9%	10.23	-0.4%
361	5.24	5.31	1.3%	5.59	6.7%	6.84	30.5%	4.47	-14.7%
362	1.45	1.45	0.0%	1.45	0.0%	1.79	23.4%	1.43	-1.4%
363	0.97	0.97	0.0%	0.97	0.0%	1.19	22.7%	0.96	-1.0%
364	1.15	1.15	0.0%	1.14	-0.9%	1.21	5.2%	1.15	0.0%
365	1.13	1.15	1.8%	1.12	-0.9%	1.50	32.7%	0.95	-15.9%
366	1.27	1.27	0.0%	1.27	0.0%	1.37	7.9%	1.22	-3.9%
367	4.26	4.28	0.5%	4.24	-0.5%	4.56	7.0%	3.93	-7.7%
368	1.03	1.03	0.0%	1.03	0.0%	1.25	21.4%	1.03	0.0%
369	2.70	2.96	9.6%	2.70	0.0%	3.42	26.7%	2.70	0.0%
370	1.62	1.62	0.0%	1.62	0.0%	1.92	18.5%	1.62	0.0%
371	1.43	1.43	0.0%	1.43	0.0%	1.46	2.1%	1.43	0.0%
372	1.14	1.14	0.0%	1.14	0.0%	1.32	15.8%	1.14	0.0%
373	2.37	2.37	0.0%	2.36	-0.4%	2.80	18.1%	2.37	0.0%
374	0.91	0.91	0.0%	0.91	0.0%	1.07	17.6%	0.91	0.0%
375	2.18	2.21	1.4%	2.14	-1.8%	2.90	33.0%	1.72	-21.1%
376	1.59	1.62	1.9%	1.56	-1.9%	2.12	33.3%	1.52	-4.4%
377	11.16	11.16	0.0%	11.12	-0.4%	12.81	14.8%	10.89	-2.4%
378	83.97	86.11	2.5%	81.41	-3.0%	89.89	7.1%	80.57	-4.0%
379	0.65	0.65	0.0%	0.65	0.0%	0.70	7.7%	0.65	0.0%
380	4.74	4.74	0.0%	4.72	-0.4%	5.18	9.3%	4.74	0.0%
381	0.75	0.76	1.3%	0.74	-1.3%	1.01	34.7%	0.70	-6.7%
382	1.24	1.25	0.8%	1.23	-0.8%	1.44	16.1%	1.06	-14.5%
383	0.25	0.25	0.0%	0.24	-4.0%	0.33	32.0%	0.23	-8.0%
384	13.90	13.99	0.6%	13.77	-0.9%	16.50	18.7%	11.53	-17.1%
385	32.04	32.32	0.9%	31.64	-1.2%	37.88	18.2%	29.22	-8.8%
386	1.86	1.88	1.1%	1.83	-1.6%	2.57	38.2%	1.58	-15.1%
387	1.05	1.06	1.0%	1.03	-1.9%	1.45	38.1%	0.88	-16.2%
388	4.68	4.75	1.5%	4.61	-1.5%	5.89	25.9%	3.49	-25.4%
389	40.88	42.09	3.0%	39.57	-3.2%	45.19	10.5%	38.46	-5.9%
390	0.28	0.28	0.0%	0.28	0.0%	0.34	21.4%	0.28	0.0%
391	1.71	1.72	0.6%	1.69	-1.2%	1.96	14.6%	1.36	-20.5%
392	0.53	0.54	1.9%	0.52	-1.9%	0.69	30.2%	0.49	-7.5%
393	0.27	0.27	0.0%	0.27	0.0%	0.36	33.3%	0.25	-7.4%
394	1.07	1.07	0.0%	1.07	0.0%	1.29	20.6%	1.07	0.0%
395	1.67	1.67	0.0%	1.67	0.0%	1.95	16.8%	1.67	0.0%
396	1.00	1.00	0.0%	1.00	0.0%	1.12	12.0%	1.00	0.0%
397	13.67	15.66	14.6%	13.53	-1.0%	16.47	20.5%	12.95	-5.3%
398	0.33	0.33	0.0%	0.33	0.0%	0.38	15.2%	0.33	0.0%
399	0.14	0.14	0.0%	0.14	0.0%	0.18	28.6%	0.14	0.0%
400	0.31	0.32	3.2%	0.29	-6.5%	0.32	3.2%	0.30	-3.2%
401	2.17	2.21	1.8%	2.14	-1.4%	2.52	16.1%	1.85	-14.7%
402	1.63	1.63	0.0%	1.63	0.0%	1.66	1.8%	1.63	0.0%
403	1.02	1.02	0.0%	1.02	0.0%	1.17	14.7%	1.02	0.0%
404	6.40	6.40	0.0%	6.38	-0.3%	7.98	24.7%	6.37	-0.5%
405	3.02	3.02	0.0%	3.01	-0.3%	3.10	2.6%	2.92	-3.3%
406	2.02	2.02	0.0%	2.01	-0.5%	2.34	15.8%	2.02	0.0%
407	40.86	42.07	3.0%	39.54	-3.2%	45.18	10.6%	38.44	-5.9%
408	7.15	7.20	0.7%	6.98	-2.4%	8.31	16.2%	6.54	-8.5%
409	7.06	7.26	2.8%	6.87	-2.7%	8.09	14.6%	6.66	-5.7%
410	12.48	12.74	2.1%	12.12	-2.9%	14.06	12.7%	10.42	-16.5%
411	1.20	1.21	0.8%	1.18	-1.7%	1.67	39.2%	1.03	-14.2%
412	1.67	1.70	1.8%	1.65	-1.2%	2.18	30.5%	1.29	-22.8%
413	1.48	1.50	1.4%	1.46	-1.4%	1.93	30.4%	1.31	-11.5%
414	2.47	2.47	0.0%	2.47	0.0%	2.83	14.6%	2.47	0.0%
415	2.73	2.73	0.0%	2.73	0.0%	2.86	4.8%	2.73	0.0%
416	0.74	0.74	0.0%	0.74	0.0%	0.81	9.5%	0.74	0.0%
417	0.74	0.74	0.0%	0.74	0.0%	0.98	32.4%	0.74	0.0%
418	1.45	1.47	1.4%	1.43	-1.4%	1.91	31.7%	1.41	-2.8%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
419	4.84	4.91	1.4%	4.76	-1.7%	6.11	26.2%	4.55	-6.0%
420	16.78	17.20	2.5%	16.55	-1.4%	20.55	22.5%	15.56	-7.3%
421	0.73	0.73	0.0%	0.73	0.0%	0.74	1.4%	0.73	0.0%
422	7.68	7.68	0.0%	7.66	-0.3%	7.61	-0.9%	7.68	0.0%
423	3.62	3.62	0.0%	3.61	-0.3%	3.77	4.1%	3.62	0.0%
424	2.85	2.85	0.0%	2.84	-0.4%	2.98	4.6%	2.85	0.0%
425	0.78	0.78	0.0%	0.78	0.0%	0.80	2.6%	0.78	0.0%
426	0.66	0.68	3.0%	0.65	-1.5%	0.86	30.3%	0.64	-3.0%
427	1.05	1.02	-2.9%	1.04	-1.0%	1.33	26.7%	1.05	0.0%
428	1.54	1.54	0.0%	1.50	-2.6%	1.58	2.6%	1.54	0.0%
429	20.08	20.39	1.5%	19.75	-1.6%	23.94	19.2%	15.06	-25.0%
430	0.37	0.37	0.0%	0.37	0.0%	0.43	16.2%	0.37	0.0%
431	1.12	1.12	0.0%	1.11	-0.9%	1.20	7.1%	1.12	0.0%
432	0.80	0.80	0.0%	0.79	-1.3%	0.81	1.3%	0.80	0.0%
433	1.50	1.50	0.0%	1.50	0.0%	1.68	12.0%	1.48	-1.3%
434	0.96	0.96	0.0%	0.96	0.0%	1.19	24.0%	0.93	-3.1%
435	0.54	0.54	0.0%	0.54	0.0%	0.62	14.8%	0.54	0.0%
436	5.47	5.52	0.9%	5.41	-1.1%	6.72	22.9%	4.33	-20.8%
437	4.95	5.00	1.0%	4.89	-1.2%	6.09	23.0%	3.85	-22.2%
438	4.81	4.86	1.0%	4.75	-1.2%	5.89	22.5%	3.84	-20.2%
439	4.74	4.79	1.1%	4.68	-1.3%	5.79	22.2%	3.78	-20.3%
440	3.84	3.89	1.3%	3.79	-1.3%	4.74	23.4%	3.64	-5.2%
441	3.80	3.84	1.1%	3.74	-1.6%	4.70	23.7%	3.59	-5.5%
442	3.63	3.67	1.1%	3.58	-1.4%	4.49	23.7%	3.42	-5.8%
443	5.64	5.73	1.6%	5.53	-2.0%	6.74	19.5%	4.61	-18.3%
444	5.71	5.79	1.4%	5.59	-2.1%	6.76	18.4%	4.64	-18.7%
445	0.44	0.45	2.3%	0.43	-2.3%	0.55	25.0%	0.43	-2.3%
446	0.29	0.30	3.4%	0.29	0.0%	0.38	31.0%	0.28	-3.4%
447	1.39	1.41	1.4%	1.38	-0.7%	1.64	18.0%	1.13	-18.7%
448	0.75	0.77	2.7%	0.74	-1.3%	1.02	36.0%	0.70	-6.7%
449	0.68	0.69	1.5%	0.67	-1.5%	0.87	27.9%	0.66	-2.9%
450	0.07	0.07	0.0%	0.06	-14.3%	0.08	14.3%	0.05	-28.6%
451	0.27	0.27	0.0%	0.26	-3.7%	0.37	37.0%	0.20	-25.9%
452	0.16	0.16	0.0%	0.16	0.0%	0.22	37.5%	0.15	-6.3%
453	1.97	2.00	1.5%	1.95	-1.0%	2.79	41.6%	1.70	-13.7%
454	0.48	0.48	0.0%	0.48	0.0%	0.60	25.0%	0.48	0.0%
455	2.05	2.08	1.5%	2.02	-1.5%	2.87	40.0%	1.76	-14.1%
456	0.09	0.09	0.0%	0.08	-11.1%	0.12	33.3%	0.08	-11.1%
457	0.47	0.48	2.1%	0.47	0.0%	0.63	34.0%	0.44	-6.4%
458	0.20	0.20	0.0%	0.20	0.0%	0.25	25.0%	0.20	0.0%
459	0.61	0.61	0.0%	0.58	-4.9%	0.76	24.6%	0.58	-4.9%
460	0.99	0.99	0.0%	0.99	0.0%	1.24	25.3%	0.98	-1.0%
461	1.27	1.27	0.0%	1.27	0.0%	1.64	29.1%	1.27	0.0%
462	0.58	0.58	0.0%	0.58	0.0%	0.70	20.7%	0.58	0.0%
463	0.24	0.24	0.0%	0.24	0.0%	0.32	33.3%	0.24	0.0%
464	0.31	0.31	0.0%	0.30	-3.2%	0.41	32.3%	0.30	-3.2%
465	0.10	0.10	0.0%	0.09	-10.0%	0.13	30.0%	0.09	-10.0%
466	0.33	0.33	0.0%	0.32	-3.0%	0.41	24.2%	0.32	-3.0%
467	1.34	1.36	1.5%	1.32	-1.5%	1.67	24.6%	1.29	-3.7%
468	0.97	0.97	0.0%	0.96	-1.0%	1.22	25.8%	0.97	0.0%
469	0.66	0.66	0.0%	0.66	0.0%	0.74	12.1%	0.66	0.0%
470	0.36	0.36	0.0%	0.36	0.0%	0.46	27.8%	0.36	0.0%
471	0.29	0.29	0.0%	0.29	0.0%	0.37	27.6%	0.29	0.0%
472	0.22	0.22	0.0%	0.22	0.0%	0.28	27.3%	0.22	0.0%
473	0.37	0.37	0.0%	0.37	0.0%	0.45	21.6%	0.37	0.0%
474	1.27	1.27	0.0%	1.27	0.0%	1.52	19.7%	1.27	0.0%
475	1.09	1.09	0.0%	1.09	0.0%	1.35	23.9%	1.09	0.0%
476	0.11	0.11	0.0%	0.11	0.0%	0.15	36.4%	0.11	0.0%
477	0.18	0.18	0.0%	0.18	0.0%	0.22	22.2%	0.18	0.0%
478	0.36	0.36	0.0%	0.36	0.0%	0.43	19.4%	0.36	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
479	0.59	0.59	0.0%	0.59	0.0%	0.68	15.3%	0.59	0.0%
480	1.28	1.28	0.0%	1.27	-0.8%	1.57	22.7%	1.27	-0.8%
481	1.52	1.52	0.0%	1.51	-0.7%	1.77	16.4%	1.52	0.0%
482	0.03	0.03	0.0%	0.03	0.0%	0.04	33.3%	0.03	0.0%
483	0.11	0.11	0.0%	0.11	0.0%	0.14	27.3%	0.10	-9.1%
484	0.23	0.23	0.0%	0.22	-4.3%	0.29	26.1%	0.21	-8.7%
485	0.66	0.66	0.0%	0.66	0.0%	0.76	15.2%	0.66	0.0%
486	0.60	0.60	0.0%	0.59	-1.7%	0.79	31.7%	0.59	-1.7%
487	0.10	0.11	10.0%	0.10	0.0%	0.15	50.0%	0.11	10.0%
488	0.13	0.13	0.0%	0.13	0.0%	0.20	53.8%	0.12	-7.7%
489	1.22	1.22	0.0%	1.22	0.0%	1.53	25.4%	1.22	0.0%
490	0.06	0.06	0.0%	0.06	0.0%	0.07	16.7%	0.05	-16.7%
491	0.19	0.19	0.0%	0.19	0.0%	0.24	26.3%	0.18	-5.3%
492	0.41	0.42	2.4%	0.41	0.0%	0.50	22.0%	0.39	-4.9%
493	0.07	0.07	0.0%	0.07	0.0%	0.09	28.6%	0.06	-14.3%
494	0.13	0.13	0.0%	0.13	0.0%	0.17	30.8%	0.12	-7.7%
495	0.17	0.17	0.0%	0.17	0.0%	0.23	35.3%	0.17	0.0%
496	0.22	0.22	0.0%	0.22	0.0%	0.28	27.3%	0.22	0.0%
497	0.45	0.46	2.2%	0.45	0.0%	0.59	31.1%	0.40	-11.1%
498	0.24	0.25	4.2%	0.24	0.0%	0.31	29.2%	0.23	-4.2%
499	0.23	0.23	0.0%	0.22	-4.3%	0.30	30.4%	0.21	-8.7%
500	0.28	0.28	0.0%	0.28	0.0%	0.35	25.0%	0.28	0.0%
501	0.30	0.30	0.0%	0.30	0.0%	0.39	30.0%	0.30	0.0%
502	11.19	11.19	0.0%	11.15	-0.4%	13.39	19.7%	10.89	-2.7%
503	0.36	0.36	0.0%	0.36	0.0%	0.50	38.9%	0.35	-2.8%
504	0.57	0.57	0.0%	0.57	0.0%	0.68	19.3%	0.57	0.0%
505	0.21	0.21	0.0%	0.20	-4.8%	0.27	28.6%	0.19	-9.5%
506	0.16	0.16	0.0%	0.16	0.0%	0.22	37.5%	0.16	0.0%
507	0.27	0.28	3.7%	0.27	0.0%	0.34	25.9%	0.26	-3.7%
508	0.14	0.14	0.0%	0.14	0.0%	0.17	21.4%	0.14	0.0%
509	0.42	0.42	0.0%	0.41	-2.4%	0.52	23.8%	0.40	-4.8%
510	1.59	1.59	0.0%	1.59	0.0%	1.86	17.0%	1.59	0.0%
511	2.06	2.06	0.0%	2.05	-0.5%	2.37	15.0%	2.06	0.0%
512	2.19	2.19	0.0%	2.18	-0.5%	2.53	15.5%	2.19	0.0%
513	1.10	1.10	0.0%	1.09	-0.9%	1.22	10.9%	1.05	-4.5%
514	0.43	0.43	0.0%	0.43	0.0%	0.46	7.0%	0.43	0.0%
515	0.49	0.49	0.0%	0.49	0.0%	0.59	20.4%	0.49	0.0%
516	0.18	0.18	0.0%	0.18	0.0%	0.24	33.3%	0.18	0.0%
517	0.22	0.22	0.0%	0.22	0.0%	0.28	27.3%	0.22	0.0%
518	0.52	0.53	1.9%	0.51	-1.9%	0.66	26.9%	0.49	-5.8%
519	0.56	0.54	-3.6%	0.55	-1.8%	0.71	26.8%	0.56	0.0%
520	0.83	0.84	1.2%	0.82	-1.2%	1.02	22.9%	0.80	-3.6%
521	0.19	0.19	0.0%	0.19	0.0%	0.25	31.6%	0.17	-10.5%
522	0.23	0.24	4.3%	0.23	0.0%	0.31	34.8%	0.21	-8.7%
523	0.26	0.26	0.0%	0.26	0.0%	0.37	42.3%	0.24	-7.7%
524	0.42	0.43	2.4%	0.41	-2.4%	0.49	16.7%	0.39	-7.1%
525	1.60	1.60	0.0%	1.60	0.0%	1.61	0.6%	1.60	0.0%
526	0.33	0.33	0.0%	0.33	0.0%	0.38	15.2%	0.33	0.0%
527	1.37	1.38	0.7%	1.36	-0.7%	1.80	31.4%	1.36	-0.7%
528	0.33	0.33	0.0%	0.33	0.0%	0.34	3.0%	0.33	0.0%
529	0.11	0.11	0.0%	0.11	0.0%	0.13	18.2%	0.11	0.0%
530	0.75	0.75	0.0%	0.74	-1.3%	0.85	13.3%	0.75	0.0%
531	0.27	0.27	0.0%	0.27	0.0%	0.34	25.9%	0.27	0.0%
532	0.05	0.05	0.0%	0.05	0.0%	0.06	20.0%	0.05	0.0%
533	0.44	0.45	2.3%	0.45	2.3%	0.63	43.2%	0.45	2.3%
534	0.95	0.95	0.0%	0.95	0.0%	0.97	2.1%	0.95	0.0%
535	0.45	0.46	2.2%	0.44	-2.2%	0.58	28.9%	0.42	-6.7%
536	0.48	0.48	0.0%	0.47	-2.1%	0.61	27.1%	0.46	-4.2%
537	0.42	0.43	2.4%	0.42	0.0%	0.53	26.2%	0.41	-2.4%
538	0.07	0.07	0.0%	0.07	0.0%	0.08	14.3%	0.04	-42.9%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
539	0.13	0.14	7.7%	0.13	0.0%	0.19	46.2%	0.13	0.0%
540	0.21	0.21	0.0%	0.21	0.0%	0.29	38.1%	0.21	0.0%
541	0.55	0.55	0.0%	0.54	-1.8%	0.67	21.8%	0.53	-3.6%
542	0.25	0.26	4.0%	0.25	0.0%	0.33	32.0%	0.25	0.0%
543	1.11	1.13	1.8%	1.09	-1.8%	1.45	30.6%	1.04	-6.3%
544	0.28	0.28	0.0%	0.27	-3.6%	0.35	25.0%	0.26	-7.1%
545	0.58	0.59	1.7%	0.57	-1.7%	0.72	24.1%	0.56	-3.4%
546	0.65	0.66	1.5%	0.64	-1.5%	0.80	23.1%	0.63	-3.1%
547	1.23	1.25	1.6%	1.22	-0.8%	1.41	14.6%	1.05	-14.6%
548	1.31	1.33	1.5%	1.29	-1.5%	1.50	14.5%	1.12	-14.5%
549	0.83	0.84	1.2%	0.81	-2.4%	1.02	22.9%	0.80	-3.6%
550	1.33	1.36	2.3%	1.31	-1.5%	1.68	26.3%	1.28	-3.8%
551	3.02	3.07	1.7%	2.97	-1.7%	3.95	30.8%	2.88	-4.6%
552	3.08	3.13	1.6%	3.03	-1.6%	3.79	23.1%	2.93	-4.9%
553	1.09	1.11	1.8%	1.08	-0.9%	1.37	25.7%	1.05	-3.7%
554	0.13	0.13	0.0%	0.13	0.0%	0.17	30.8%	0.12	-7.7%
555	0.43	0.44	2.3%	0.43	0.0%	0.55	27.9%	0.42	-2.3%
556	5.63	5.74	2.0%	5.53	-1.8%	7.29	29.5%	5.38	-4.4%
557	5.24	5.34	1.9%	5.14	-1.9%	6.52	24.4%	4.99	-4.8%
558	0.67	0.68	1.5%	0.66	-1.5%	0.85	26.9%	0.64	-4.5%
559	0.46	0.47	2.2%	0.46	0.0%	0.58	26.1%	0.44	-4.3%
560	0.31	0.31	0.0%	0.30	-3.2%	0.38	22.6%	0.30	-3.2%
561	0.15	0.15	0.0%	0.15	0.0%	0.19	26.7%	0.15	0.0%
562	0.25	0.26	4.0%	0.25	0.0%	0.33	32.0%	0.23	-8.0%
563	0.56	0.56	0.0%	0.55	-1.8%	0.57	1.8%	0.56	0.0%
564	0.25	0.25	0.0%	0.25	0.0%	0.26	4.0%	0.25	0.0%
565	0.48	0.48	0.0%	0.47	-2.1%	0.61	27.1%	0.47	-2.1%
566	0.79	0.80	1.3%	0.78	-1.3%	0.99	25.3%	0.76	-3.8%
567	0.91	0.92	1.1%	0.89	-2.2%	1.12	23.1%	0.86	-5.5%
568	1.11	1.13	1.8%	1.09	-1.8%	1.37	23.4%	1.06	-4.5%
569	0.17	0.17	0.0%	0.17	0.0%	0.21	23.5%	0.16	-5.9%
570	1.32	1.34	1.5%	1.30	-1.5%	1.66	25.8%	1.27	-3.8%
571	0.16	0.16	0.0%	0.16	0.0%	0.22	37.5%	0.15	-6.3%
572	0.59	0.59	0.0%	0.59	0.0%	0.65	10.2%	0.59	0.0%
573	0.97	0.97	0.0%	0.97	0.0%	1.01	4.1%	0.97	0.0%
574	0.42	0.42	0.0%	0.42	0.0%	0.45	7.1%	0.42	0.0%
575	0.29	0.29	0.0%	0.28	-3.4%	0.37	27.6%	0.27	-6.9%
576	0.12	0.12	0.0%	0.12	0.0%	0.16	33.3%	0.12	0.0%
577	0.30	0.31	3.3%	0.30	0.0%	0.38	26.7%	0.29	-3.3%
578	0.13	0.13	0.0%	0.13	0.0%	0.16	23.1%	0.13	0.0%
579	1.57	1.58	0.6%	1.55	-1.3%	2.06	31.2%	1.54	-1.9%
580	0.10	0.10	0.0%	0.10	0.0%	0.13	30.0%	0.10	0.0%
581	7.54	7.54	0.0%	7.50	-0.5%	8.49	12.6%	7.46	-1.1%
582	0.32	0.32	0.0%	0.32	0.0%	0.45	40.6%	0.31	-3.1%
583	0.26	0.26	0.0%	0.26	0.0%	0.32	23.1%	0.26	0.0%
584	0.53	0.53	0.0%	0.52	-1.9%	0.61	15.1%	0.53	0.0%
585	1.30	1.30	0.0%	1.30	0.0%	1.48	13.8%	1.30	0.0%
586	1.19	1.19	0.0%	1.19	0.0%	1.41	18.5%	1.19	0.0%
587	0.21	0.21	0.0%	0.21	0.0%	0.27	28.6%	0.21	0.0%
588	0.09	0.09	0.0%	0.09	0.0%	0.13	44.4%	0.09	0.0%
589	0.54	0.54	0.0%	0.54	0.0%	0.61	13.0%	0.54	0.0%
590	0.65	0.65	0.0%	0.65	0.0%	0.73	12.3%	0.65	0.0%
591	0.89	0.89	0.0%	0.88	-1.1%	1.01	13.5%	0.89	0.0%
592	0.21	0.21	0.0%	0.21	0.0%	0.25	19.0%	0.21	0.0%
593	0.18	0.18	0.0%	0.17	-5.6%	0.23	27.8%	0.17	-5.6%
594	0.20	0.20	0.0%	0.19	-5.0%	0.26	30.0%	0.19	-5.0%
595	0.52	0.52	0.0%	0.49	-5.8%	0.71	36.5%	0.49	-5.8%
596	0.21	0.21	0.0%	0.21	0.0%	0.25	19.0%	0.21	0.0%
597	0.24	0.24	0.0%	0.24	0.0%	0.26	8.3%	0.24	0.0%
598	0.45	0.45	0.0%	0.45	0.0%	0.48	6.7%	0.45	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
599	0.72	0.72	0.0%	0.72	0.0%	1.00	38.9%	0.71	-1.4%
600	0.24	0.24	0.0%	0.23	-4.2%	0.28	16.7%	0.24	0.0%
601	0.15	0.15	0.0%	0.15	0.0%	0.20	33.3%	0.15	0.0%
602	0.49	0.49	0.0%	0.48	-2.0%	0.52	6.1%	0.49	0.0%
603	0.81	0.81	0.0%	0.80	-1.2%	1.00	23.5%	0.81	0.0%
604	2.25	2.25	0.0%	2.24	-0.4%	2.50	11.1%	2.25	0.0%
605	0.34	0.34	0.0%	0.34	0.0%	0.37	8.8%	0.34	0.0%
606	0.19	0.19	0.0%	0.19	0.0%	0.19	0.0%	0.19	0.0%
607	1.46	1.46	0.0%	1.46	0.0%	1.69	15.8%	1.47	0.7%
608	0.66	0.66	0.0%	0.66	0.0%	0.68	3.0%	0.66	0.0%
609	1.37	1.37	0.0%	1.37	0.0%	1.50	9.5%	1.38	0.7%
610	0.74	0.74	0.0%	0.74	0.0%	0.83	12.2%	0.74	0.0%
611	0.07	0.07	0.0%	0.07	0.0%	0.09	28.6%	0.08	14.3%
612	2.47	2.47	0.0%	2.46	-0.4%	2.72	10.1%	2.47	0.0%
613	0.09	0.09	0.0%	0.09	0.0%	0.11	22.2%	0.09	0.0%
614	0.49	0.49	0.0%	0.49	0.0%	0.60	22.4%	0.49	0.0%
615	0.54	0.54	0.0%	0.54	0.0%	0.64	18.5%	0.54	0.0%
616	0.12	0.12	0.0%	0.12	0.0%	0.14	16.7%	0.12	0.0%
617	0.33	0.33	0.0%	0.32	-3.0%	0.41	24.2%	0.31	-6.1%
618	0.52	0.52	0.0%	0.51	-1.9%	0.53	1.9%	0.52	0.0%
619	0.87	0.88	1.1%	0.85	-2.3%	1.12	28.7%	0.80	-8.0%
620	1.13	1.14	0.9%	1.12	-0.9%	1.43	26.5%	0.97	-14.2%
621	0.16	0.16	0.0%	0.16	0.0%	0.20	25.0%	0.16	0.0%
622	0.26	0.26	0.0%	0.25	-3.8%	0.32	23.1%	0.24	-7.7%
623	0.45	0.46	2.2%	0.45	0.0%	0.57	26.7%	0.43	-4.4%
624	0.47	0.48	2.1%	0.46	-2.1%	0.62	31.9%	0.44	-6.4%
625	0.49	0.50	2.0%	0.48	-2.0%	0.62	26.5%	0.46	-6.1%
626	1.47	1.50	2.0%	1.45	-1.4%	1.90	29.3%	1.38	-6.1%
627	0.54	0.54	0.0%	0.54	0.0%	0.65	20.4%	0.54	0.0%
628	0.33	0.33	0.0%	0.33	0.0%	0.35	6.1%	0.33	0.0%
629	0.22	0.23	4.5%	0.22	0.0%	0.27	22.7%	0.21	-4.5%
630	0.10	0.10	0.0%	0.10	0.0%	0.13	30.0%	0.10	0.0%
631	0.34	0.35	2.9%	0.33	-2.9%	0.43	26.5%	0.32	-5.9%
632	0.27	0.27	0.0%	0.26	-3.7%	0.35	29.6%	0.27	0.0%
633	0.43	0.43	0.0%	0.43	0.0%	0.52	20.9%	0.43	0.0%
634	0.65	0.65	0.0%	0.65	0.0%	0.73	12.3%	0.65	0.0%
635	0.76	0.76	0.0%	0.76	0.0%	1.00	31.6%	0.76	0.0%
636	0.44	0.44	0.0%	0.44	0.0%	0.50	13.6%	0.44	0.0%
637	0.62	0.62	0.0%	0.61	-1.6%	0.72	16.1%	0.62	0.0%
638	0.46	0.46	0.0%	0.46	0.0%	0.51	10.9%	0.46	0.0%
639	1.06	1.06	0.0%	1.06	0.0%	1.39	31.1%	1.06	0.0%
640	0.50	0.50	0.0%	0.50	0.0%	0.56	12.0%	0.50	0.0%
641	0.33	0.33	0.0%	0.33	0.0%	0.35	6.1%	0.33	0.0%
642	0.86	0.86	0.0%	0.86	0.0%	1.02	18.6%	0.86	0.0%
643	0.72	0.72	0.0%	0.72	0.0%	0.73	1.4%	0.72	0.0%
644	1.92	1.92	0.0%	1.92	0.0%	1.94	1.0%	1.92	0.0%
645	0.48	0.48	0.0%	0.48	0.0%	0.57	18.8%	0.48	0.0%
646	1.42	1.42	0.0%	1.41	-0.7%	1.68	18.3%	1.42	0.0%
647	0.65	0.65	0.0%	0.65	0.0%	0.83	27.7%	0.65	0.0%
648	0.21	0.21	0.0%	0.21	0.0%	0.26	23.8%	0.21	0.0%
649	0.86	0.86	0.0%	0.86	0.0%	0.97	12.8%	0.83	-3.5%
650	1.18	1.18	0.0%	1.17	-0.8%	1.49	26.3%	1.18	0.0%
651	0.37	0.37	0.0%	0.37	0.0%	0.43	16.2%	0.37	0.0%
652	0.36	0.36	0.0%	0.36	0.0%	0.43	19.4%	0.36	0.0%
653	0.50	0.50	0.0%	0.50	0.0%	0.57	14.0%	0.50	0.0%
654	0.63	0.63	0.0%	0.63	0.0%	0.73	15.9%	0.63	0.0%
655	0.34	0.34	0.0%	0.34	0.0%	0.43	26.5%	0.34	0.0%
656	0.17	0.17	0.0%	0.17	0.0%	0.23	35.3%	0.17	0.0%
657	0.33	0.33	0.0%	0.33	0.0%	0.38	15.2%	0.33	0.0%
658	0.14	0.14	0.0%	0.14	0.0%	0.18	28.6%	0.14	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
659	0.45	0.45	0.0%	0.45	0.0%	0.56	24.4%	0.45	0.0%
660	0.27	0.27	0.0%	0.27	0.0%	0.32	18.5%	0.27	0.0%
661	0.12	0.13	8.3%	0.12	0.0%	0.18	50.0%	0.13	8.3%
662	0.89	0.89	0.0%	0.89	0.0%	1.06	19.1%	0.89	0.0%
663	0.20	0.20	0.0%	0.20	0.0%	0.24	20.0%	0.20	0.0%
664	2.66	2.66	0.0%	2.65	-0.4%	2.79	4.9%	2.66	0.0%
665	1.63	1.63	0.0%	1.63	0.0%	1.66	1.8%	1.63	0.0%
666	10.43	10.53	1.0%	10.30	-1.2%	12.05	15.5%	7.50	-28.1%
667	0.44	0.44	0.0%	0.44	0.0%	0.53	20.5%	0.44	0.0%
668	0.20	0.20	0.0%	0.20	0.0%	0.27	35.0%	0.20	0.0%
669	1.54	1.54	0.0%	1.54	0.0%	1.91	24.0%	1.54	0.0%
670	1.43	1.43	0.0%	1.43	0.0%	1.74	21.7%	1.43	0.0%
671	0.90	0.90	0.0%	0.90	0.0%	1.03	14.4%	0.90	0.0%
672	2.55	2.57	0.8%	2.51	-1.6%	3.19	25.1%	2.28	-10.6%
673	0.35	0.35	0.0%	0.35	0.0%	0.45	28.6%	0.35	0.0%
674	0.17	0.17	0.0%	0.17	0.0%	0.21	23.5%	0.17	0.0%
675	0.54	0.55	1.9%	0.53	-1.9%	0.72	33.3%	0.41	-24.1%
676	0.34	0.34	0.0%	0.34	0.0%	0.44	29.4%	0.34	0.0%
677	0.81	0.82	1.2%	0.80	-1.2%	1.04	28.4%	0.69	-14.8%
678	1.12	1.13	0.9%	1.10	-1.8%	1.39	24.1%	0.94	-16.1%
679	1.58	1.61	1.9%	1.55	-1.9%	2.02	27.8%	1.50	-5.1%
680	0.59	0.59	0.0%	0.58	-1.7%	0.79	33.9%	0.50	-15.3%
681	0.19	0.19	0.0%	0.19	0.0%	0.23	21.1%	0.19	0.0%
682	0.47	0.47	0.0%	0.47	0.0%	0.61	29.8%	0.47	0.0%
683	4.43	4.50	1.6%	4.36	-1.6%	5.59	26.2%	4.16	-6.1%
684	0.28	0.28	0.0%	0.28	0.0%	0.36	28.6%	0.26	-7.1%
685	0.08	0.08	0.0%	0.08	0.0%	0.11	37.5%	0.08	0.0%
686	0.08	0.08	0.0%	0.08	0.0%	0.10	25.0%	0.08	0.0%
687	0.13	0.13	0.0%	0.13	0.0%	0.18	38.5%	0.13	0.0%
688	0.58	0.58	0.0%	0.58	0.0%	0.74	27.6%	0.58	0.0%
689	0.27	0.28	3.7%	0.27	0.0%	0.35	29.6%	0.26	-3.7%
690	0.32	0.33	3.1%	0.32	0.0%	0.41	28.1%	0.30	-6.3%
691	0.34	0.35	2.9%	0.33	-2.9%	0.47	38.2%	0.31	-8.8%
692	0.08	0.08	0.0%	0.08	0.0%	0.12	50.0%	0.08	0.0%
693	0.21	0.21	0.0%	0.20	-4.8%	0.28	33.3%	0.20	-4.8%
694	1.41	1.41	0.0%	1.41	0.0%	1.72	22.0%	1.41	0.0%
695	2.37	2.49	5.1%	2.36	-0.4%	2.91	22.8%	2.37	0.0%
696	5.25	5.28	0.6%	5.19	-1.1%	6.01	14.5%	4.32	-17.7%
697	0.60	0.60	0.0%	0.60	0.0%	0.64	6.7%	0.60	0.0%
698	0.64	0.64	0.0%	0.63	-1.6%	0.68	6.3%	0.64	0.0%
699	0.13	0.13	0.0%	0.13	0.0%	0.17	30.8%	0.13	0.0%
700	0.88	0.88	0.0%	0.88	0.0%	0.93	5.7%	0.88	0.0%
701	1.04	1.04	0.0%	1.04	0.0%	1.14	9.6%	1.04	0.0%
702	0.88	0.88	0.0%	0.87	-1.1%	0.99	12.5%	0.88	0.0%
703	0.52	0.52	0.0%	0.52	0.0%	0.60	15.4%	0.52	0.0%
704	0.12	0.12	0.0%	0.12	0.0%	0.15	25.0%	0.12	0.0%
705	0.12	0.12	0.0%	0.12	0.0%	0.15	25.0%	0.12	0.0%
706	0.17	0.17	0.0%	0.17	0.0%	0.23	35.3%	0.17	0.0%
707	0.81	0.81	0.0%	0.81	0.0%	0.97	19.8%	0.81	0.0%
708	8.18	8.23	0.6%	8.10	-1.0%	9.12	11.5%	6.57	-19.7%
709	8.33	8.37	0.5%	8.26	-0.8%	9.26	11.2%	6.59	-20.9%
710	8.39	8.43	0.5%	8.32	-0.8%	9.30	10.8%	6.59	-21.5%
711	0.22	0.22	0.0%	0.22	0.0%	0.28	27.3%	0.22	0.0%
712	0.35	0.35	0.0%	0.35	0.0%	0.38	8.6%	0.35	0.0%
713	0.35	0.35	0.0%	0.35	0.0%	0.43	22.9%	0.35	0.0%
714	0.53	0.53	0.0%	0.53	0.0%	0.62	17.0%	0.53	0.0%
715	14.24	14.45	1.5%	14.11	-0.9%	17.06	19.8%	11.26	-20.9%
716	0.33	0.33	0.0%	0.33	0.0%	0.41	24.2%	0.33	0.0%
717	7.23	7.28	0.7%	7.16	-1.0%	8.15	12.7%	5.79	-19.9%
718	0.92	0.92	0.0%	0.91	-1.1%	0.98	6.5%	0.92	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
719	0.61	0.61	0.0%	0.61	0.0%	0.74	21.3%	0.61	0.0%
720	0.27	0.27	0.0%	0.27	0.0%	0.34	25.9%	0.27	0.0%
721	0.38	0.38	0.0%	0.38	0.0%	0.43	13.2%	0.38	0.0%
722	0.29	0.29	0.0%	0.29	0.0%	0.37	27.6%	0.29	0.0%
723	0.43	0.43	0.0%	0.43	0.0%	0.51	18.6%	0.43	0.0%
724	0.35	0.35	0.0%	0.34	-2.9%	0.47	34.3%	0.34	-2.9%
725	1.02	1.02	0.0%	1.02	0.0%	1.32	29.4%	1.02	0.0%
726	0.33	0.33	0.0%	0.33	0.0%	0.47	42.4%	0.28	-15.2%
727	22.82	23.00	0.8%	22.55	-1.2%	27.32	19.7%	17.76	-22.2%
728	0.13	0.13	0.0%	0.13	0.0%	0.19	46.2%	0.12	-7.7%
729	0.10	0.11	10.0%	0.10	0.0%	0.13	30.0%	0.10	0.0%
730	0.12	0.12	0.0%	0.12	0.0%	0.15	25.0%	0.12	0.0%
731	0.26	0.26	0.0%	0.26	0.0%	0.36	38.5%	0.26	0.0%
732	1.09	1.09	0.0%	1.08	-0.9%	1.26	15.6%	1.09	0.0%
733	0.20	0.20	0.0%	0.20	0.0%	0.25	25.0%	0.20	0.0%
734	0.11	0.11	0.0%	0.11	0.0%	0.16	45.5%	0.11	0.0%
735	0.18	0.18	0.0%	0.18	0.0%	0.23	27.8%	0.18	0.0%
736	0.99	1.00	1.0%	0.97	-2.0%	1.23	24.2%	0.93	-6.1%
737	0.41	0.42	2.4%	0.40	-2.4%	0.52	26.8%	0.39	-4.9%
738	0.45	0.46	2.2%	0.44	-2.2%	0.59	31.1%	0.44	-2.2%
739	0.24	0.24	0.0%	0.23	-4.2%	0.30	25.0%	0.23	-4.2%
740	0.73	0.74	1.4%	0.72	-1.4%	0.93	27.4%	0.70	-4.1%
741	0.12	0.13	8.3%	0.12	0.0%	0.17	41.7%	0.12	0.0%
742	0.28	0.28	0.0%	0.27	-3.6%	0.34	21.4%	0.27	-3.6%
743	0.23	0.23	0.0%	0.23	0.0%	0.28	21.7%	0.22	-4.3%
744	0.35	0.35	0.0%	0.34	-2.9%	0.49	40.0%	0.33	-5.7%
745	0.12	0.12	0.0%	0.12	0.0%	0.17	41.7%	0.11	-8.3%
746	0.23	0.23	0.0%	0.23	0.0%	0.32	39.1%	0.20	-13.0%
747	0.30	0.30	0.0%	0.29	-3.3%	0.42	40.0%	0.29	-3.3%
748	0.40	0.41	2.5%	0.39	-2.5%	0.51	27.5%	0.39	-2.5%
749	0.21	0.21	0.0%	0.21	0.0%	0.29	38.1%	0.21	0.0%
750	0.18	0.18	0.0%	0.18	0.0%	0.23	27.8%	0.17	-5.6%
751	0.43	0.43	0.0%	0.42	-2.3%	0.54	25.6%	0.40	-7.0%
752	33.34	33.61	0.8%	32.92	-1.3%	40.17	20.5%	25.74	-22.8%
753	0.40	0.40	0.0%	0.39	-2.5%	0.42	5.0%	0.40	0.0%
754	0.99	0.99	0.0%	0.99	0.0%	1.01	2.0%	0.99	0.0%
755	1.47	1.47	0.0%	1.46	-0.7%	1.48	0.7%	1.47	0.0%
756	0.05	0.06	20.0%	0.05	0.0%	0.08	60.0%	0.05	0.0%
757	0.03	0.03	0.0%	0.03	0.0%	0.03	0.0%	0.02	-33.3%
758	1.88	1.88	0.0%	1.88	0.0%	1.95	3.7%	1.88	0.0%
759	0.50	0.51	2.0%	0.50	0.0%	0.65	30.0%	0.47	-6.0%
760	0.31	0.31	0.0%	0.31	0.0%	0.44	41.9%	0.29	-6.5%
761	0.33	0.33	0.0%	0.33	0.0%	0.41	24.2%	0.33	0.0%
762	0.65	0.65	0.0%	0.65	0.0%	0.75	15.4%	0.65	0.0%
763	14.85	14.94	0.6%	14.69	-1.1%	18.17	22.4%	13.18	-11.2%
764	0.24	0.24	0.0%	0.24	0.0%	0.32	33.3%	0.24	0.0%
765	7.47	7.47	0.0%	7.44	-0.4%	8.48	13.5%	7.46	-0.1%
766	1.13	1.15	1.8%	1.12	-0.9%	1.38	22.1%	1.09	-3.5%
767	0.45	0.45	0.0%	0.44	-2.2%	0.61	35.6%	0.43	-4.4%
768	0.17	0.17	0.0%	0.17	0.0%	0.23	35.3%	0.17	0.0%
769	0.22	0.23	4.5%	0.22	0.0%	0.28	27.3%	0.22	0.0%
770	0.18	0.18	0.0%	0.18	0.0%	0.25	38.9%	0.18	0.0%
771	0.14	0.14	0.0%	0.14	0.0%	0.17	21.4%	0.14	0.0%
772	0.41	0.41	0.0%	0.41	0.0%	0.52	26.8%	0.41	0.0%
773	0.61	0.61	0.0%	0.60	-1.6%	0.67	9.8%	0.60	-1.6%
774	0.29	0.29	0.0%	0.29	0.0%	0.29	0.0%	0.29	0.0%
775	0.49	0.49	0.0%	0.49	0.0%	0.59	20.4%	0.49	0.0%
776	0.46	0.46	0.0%	0.46	0.0%	0.47	2.2%	0.46	0.0%
777	0.30	0.30	0.0%	0.30	0.0%	0.39	30.0%	0.30	0.0%
778	0.64	0.64	0.0%	0.64	0.0%	0.74	15.6%	0.64	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
779	0.02	0.02	0.0%	0.02	0.0%	0.02	0.0%	0.02	0.0%
780	0.45	0.46	2.2%	0.45	0.0%	0.55	22.2%	0.44	-2.2%
781	0.10	0.10	0.0%	0.10	0.0%	0.14	40.0%	0.10	0.0%
782	0.07	0.08	14.3%	0.07	0.0%	0.10	42.9%	0.06	-14.3%
783	0.16	0.16	0.0%	0.16	0.0%	0.17	6.3%	0.16	0.0%
784	0.14	0.14	0.0%	0.14	0.0%	0.15	7.1%	0.14	0.0%
785	0.04	0.04	0.0%	0.04	0.0%	0.05	25.0%	0.04	0.0%
786	0.31	0.31	0.0%	0.30	-3.2%	0.37	19.4%	0.30	-3.2%
787	0.89	0.90	1.1%	0.88	-1.1%	1.02	14.6%	0.77	-13.5%
788	0.06	0.06	0.0%	0.06	0.0%	0.08	33.3%	0.06	0.0%
789	0.09	0.10	11.1%	0.09	0.0%	0.14	55.6%	0.09	0.0%
790	0.29	0.29	0.0%	0.29	0.0%	0.31	6.9%	0.29	0.0%
791	0.14	0.14	0.0%	0.14	0.0%	0.17	21.4%	0.14	0.0%
792	0.24	0.24	0.0%	0.24	0.0%	0.28	16.7%	0.24	0.0%
793	0.33	0.33	0.0%	0.33	0.0%	0.40	21.2%	0.33	0.0%
794	0.15	0.15	0.0%	0.15	0.0%	0.21	40.0%	0.15	0.0%
795	0.23	0.22	-4.3%	0.23	0.0%	0.30	30.4%	0.23	0.0%
796	0.19	0.20	5.3%	0.19	0.0%	0.25	31.6%	0.18	-5.3%
797	1.30	1.32	1.5%	1.29	-0.8%	1.65	26.9%	1.05	-19.2%
798	0.26	0.27	3.8%	0.26	0.0%	0.33	26.9%	0.26	0.0%
799	0.22	0.22	0.0%	0.22	0.0%	0.28	27.3%	0.22	0.0%
800	0.45	0.45	0.0%	0.45	0.0%	0.51	13.3%	0.45	0.0%
801	1.25	1.27	1.6%	1.24	-0.8%	1.48	18.4%	1.06	-15.2%
802	0.05	0.05	0.0%	0.05	0.0%	0.07	40.0%	0.04	-20.0%
803	0.25	0.25	0.0%	0.25	0.0%	0.31	24.0%	0.25	0.0%
804	6.62	6.62	0.0%	6.59	-0.5%	7.85	18.6%	6.62	0.0%
805	6.50	6.50	0.0%	6.47	-0.5%	7.55	16.2%	6.50	0.0%
806	3.50	3.50	0.0%	3.49	-0.3%	4.05	15.7%	3.50	0.0%
807	2.98	2.98	0.0%	2.97	-0.3%	3.49	17.1%	2.94	-1.3%
808	0.52	0.52	0.0%	0.52	0.0%	0.61	17.3%	0.52	0.0%
809	0.63	0.63	0.0%	0.63	0.0%	0.64	1.6%	0.63	0.0%
810	1.18	1.20	1.7%	1.16	-1.7%	1.47	24.6%	1.11	-5.9%
811	0.90	0.91	1.1%	0.88	-2.2%	1.14	26.7%	0.85	-5.6%
812	0.22	0.22	0.0%	0.22	0.0%	0.30	36.4%	0.22	0.0%
813	0.90	0.91	1.1%	0.89	-1.1%	1.04	15.6%	0.78	-13.3%
814	14.37	14.40	0.2%	14.26	-0.8%	15.86	10.4%	14.14	-1.6%
815	14.99	15.11	0.8%	14.87	-0.8%	16.76	11.8%	13.79	-8.0%
816	0.08	0.08	0.0%	0.08	0.0%	0.12	50.0%	0.08	0.0%
817	0.24	0.24	0.0%	0.23	-4.2%	0.32	33.3%	0.24	0.0%
818	122.04	125.40	2.8%	117.99	-3.3%	138.89	13.8%	113.73	-6.8%
819	0.06	0.07	16.7%	0.05	-16.7%	0.06	0.0%	0.06	0.0%
820	0.81	0.82	1.2%	0.80	-1.2%	1.01	24.7%	0.79	-2.5%
821	121.95	125.32	2.8%	117.91	-3.3%	138.75	13.8%	113.52	-6.9%
822	33.95	34.23	0.8%	33.52	-1.3%	40.91	20.5%	25.79	-24.0%
823	0.60	0.61	1.7%	0.59	-1.7%	0.82	36.7%	0.55	-8.3%
824	0.44	0.45	2.3%	0.44	0.0%	0.58	31.8%	0.41	-6.8%
825	0.05	0.05	0.0%	0.05	0.0%	0.07	40.0%	0.05	0.0%
826	0.47	0.47	0.0%	0.47	0.0%	0.48	2.1%	0.47	0.0%
827	0.59	0.59	0.0%	0.58	-1.7%	0.63	6.8%	0.59	0.0%
828	0.68	0.68	0.0%	0.68	0.0%	0.72	5.9%	0.68	0.0%
829	1.60	1.60	0.0%	1.60	0.0%	1.68	5.0%	1.55	-3.1%
830	0.66	0.66	0.0%	0.66	0.0%	0.80	21.2%	0.66	0.0%
831	0.29	0.29	0.0%	0.29	0.0%	0.37	27.6%	0.29	0.0%
832	0.39	0.39	0.0%	0.39	0.0%	0.53	35.9%	0.38	-2.6%
833	0.23	0.23	0.0%	0.23	0.0%	0.28	21.7%	0.23	0.0%
834	0.30	0.30	0.0%	0.30	0.0%	0.38	26.7%	0.30	0.0%
835	0.09	0.09	0.0%	0.09	0.0%	0.11	22.2%	0.09	0.0%
836	1.25	1.27	1.6%	1.23	-1.6%	1.57	25.6%	1.09	-12.8%
837	0.54	0.54	0.0%	0.54	0.0%	0.61	13.0%	0.54	0.0%
838	0.19	0.19	0.0%	0.19	0.0%	0.24	26.3%	0.19	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
839	0.76	0.77	1.3%	0.75	-1.3%	0.90	18.4%	0.65	-14.5%
840	0.22	0.22	0.0%	0.22	0.0%	0.27	22.7%	0.22	0.0%
841	0.65	0.65	0.0%	0.64	-1.5%	0.82	26.2%	0.66	1.5%
842	0.11	0.11	0.0%	0.11	0.0%	0.13	18.2%	0.11	0.0%
843	1.11	1.11	0.0%	1.10	-0.9%	1.38	24.3%	1.11	0.0%
844	1.38	1.38	0.0%	1.37	-0.7%	1.67	21.0%	1.38	0.0%
845	2.12	2.14	0.9%	2.09	-1.4%	2.63	24.1%	1.99	-6.1%
846	0.35	0.35	0.0%	0.35	0.0%	0.42	20.0%	0.35	0.0%
847	0.77	0.77	0.0%	0.77	0.0%	0.89	15.6%	0.77	0.0%
848	0.38	0.38	0.0%	0.38	0.0%	0.46	21.1%	0.38	0.0%
849	0.42	0.44	4.8%	0.42	0.0%	0.60	42.9%	0.42	0.0%
850	0.24	0.24	0.0%	0.24	0.0%	0.30	25.0%	0.24	0.0%
851	1.49	1.49	0.0%	1.48	-0.7%	1.65	10.7%	1.44	-3.4%
852	0.82	0.82	0.0%	0.82	0.0%	0.87	6.1%	0.82	0.0%
853	1.06	1.06	0.0%	1.06	0.0%	1.19	12.3%	1.06	0.0%
854	0.80	0.80	0.0%	0.80	0.0%	1.11	38.8%	0.80	0.0%
855	0.19	0.19	0.0%	0.19	0.0%	0.25	31.6%	0.19	0.0%
856	0.26	0.26	0.0%	0.26	0.0%	0.31	19.2%	0.26	0.0%
857	0.03	0.03	0.0%	0.03	0.0%	0.03	0.0%	0.02	-33.3%
858	0.10	0.10	0.0%	0.10	0.0%	0.12	20.0%	0.10	0.0%
859	0.23	0.23	0.0%	0.23	0.0%	0.30	30.4%	0.23	0.0%
860	0.41	0.41	0.0%	0.41	0.0%	0.49	19.5%	0.41	0.0%
861	0.27	0.27	0.0%	0.26	-3.7%	0.33	22.2%	0.27	0.0%
862	0.47	0.47	0.0%	0.47	0.0%	0.55	17.0%	0.47	0.0%
863	0.48	0.48	0.0%	0.48	0.0%	0.56	16.7%	0.48	0.0%
864	1.98	1.98	0.0%	1.97	-0.5%	2.24	13.1%	1.98	0.0%
865	2.24	2.24	0.0%	2.23	-0.4%	2.61	16.5%	2.24	0.0%
866	2.45	2.45	0.0%	2.44	-0.4%	2.91	18.8%	2.45	0.0%
867	0.52	0.52	0.0%	0.52	0.0%	0.63	21.2%	0.52	0.0%
868	0.38	0.38	0.0%	0.38	0.0%	0.46	21.1%	0.38	0.0%
869	0.19	0.19	0.0%	0.19	0.0%	0.25	31.6%	0.19	0.0%
870	1.55	1.55	0.0%	1.54	-0.6%	1.83	18.1%	1.55	0.0%
871	0.05	0.05	0.0%	0.05	0.0%	0.08	60.0%	0.04	-20.0%
872	1.20	1.20	0.0%	1.19	-0.8%	1.39	15.8%	1.20	0.0%
873	0.54	0.54	0.0%	0.54	0.0%	0.66	22.2%	0.54	0.0%
874	4.32	4.35	0.7%	4.28	-0.9%	5.29	22.5%	3.93	-9.0%
875	4.40	4.43	0.7%	4.36	-0.9%	5.37	22.0%	3.96	-10.0%
876	4.56	4.58	0.4%	4.53	-0.7%	5.51	20.8%	3.96	-13.2%
877	0.82	0.82	0.0%	0.82	0.0%	0.98	19.5%	0.82	0.0%
878	0.27	0.27	0.0%	0.26	-3.7%	0.33	22.2%	0.27	0.0%
879	7.13	7.21	1.1%	7.04	-1.3%	7.86	10.2%	5.59	-21.6%
880	0.36	0.36	0.0%	0.36	0.0%	0.47	30.6%	0.36	0.0%
881	0.12	0.12	0.0%	0.12	0.0%	0.18	50.0%	0.09	-25.0%
882	1.80	1.81	0.6%	1.77	-1.7%	2.06	14.4%	1.56	-13.3%
883	1.74	1.76	1.1%	1.72	-1.1%	2.00	14.9%	1.40	-19.5%
884	8.93	9.02	1.0%	8.82	-1.2%	10.46	17.1%	6.43	-28.0%
885	6.04	6.10	1.0%	5.96	-1.3%	7.39	22.4%	5.14	-14.9%
886	0.47	0.47	0.0%	0.47	0.0%	0.53	12.8%	0.47	0.0%
887	0.35	0.35	0.0%	0.35	0.0%	0.40	14.3%	0.35	0.0%
888	0.44	0.44	0.0%	0.44	0.0%	0.52	18.2%	0.44	0.0%
889	0.18	0.19	5.6%	0.18	0.0%	0.23	27.8%	0.18	0.0%
890	0.39	0.39	0.0%	0.39	0.0%	0.47	20.5%	0.39	0.0%
891	0.62	0.62	0.0%	0.62	0.0%	0.69	11.3%	0.62	0.0%
892	2.14	2.14	0.0%	2.13	-0.5%	2.35	9.8%	2.14	0.0%
893	0.49	0.49	0.0%	0.49	0.0%	0.63	28.6%	0.48	-2.0%
894	0.62	0.62	0.0%	0.62	0.0%	0.75	21.0%	0.62	0.0%
895	0.45	0.45	0.0%	0.45	0.0%	0.50	11.1%	0.45	0.0%
896	2.82	2.82	0.0%	2.81	-0.4%	3.20	13.5%	2.82	0.0%
897	0.59	0.59	0.0%	0.59	0.0%	0.72	22.0%	0.59	0.0%
898	0.48	0.48	0.0%	0.48	0.0%	0.55	14.6%	0.48	0.0%

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
899	0.08	0.08	0.0%	0.08	0.0%	0.11	37.5%	0.08	0.0%
900	0.42	0.42	0.0%	0.42	0.0%	0.50	19.0%	0.42	0.0%
901	0.44	0.44	0.0%	0.44	0.0%	0.50	13.6%	0.44	0.0%
902	0.51	0.51	0.0%	0.51	0.0%	0.60	17.6%	0.51	0.0%
903	0.35	0.35	0.0%	0.35	0.0%	0.43	22.9%	0.35	0.0%
904	5.96	6.03	1.2%	5.88	-1.3%	7.28	22.1%	5.08	-14.8%
905	0.28	0.28	0.0%	0.28	0.0%	0.34	21.4%	0.28	0.0%
906	0.56	0.56	0.0%	0.55	-1.8%	0.72	28.6%	0.55	-1.8%
907	2.63	2.67	1.5%	2.60	-1.1%	3.10	17.9%	2.25	-14.4%
908	1.62	1.64	1.2%	1.60	-1.2%	1.89	16.7%	1.41	-13.0%
909	2.09	2.12	1.4%	2.07	-1.0%	2.38	13.9%	1.79	-14.4%
910	0.42	0.43	2.4%	0.42	0.0%	0.55	31.0%	0.39	-7.1%
911	0.20	0.20	0.0%	0.20	0.0%	0.27	35.0%	0.20	0.0%
912	3.86	3.90	1.0%	3.81	-1.3%	4.43	14.8%	3.13	-18.9%
913	0.22	0.23	4.5%	0.22	0.0%	0.32	45.5%	0.21	-4.5%
914	0.13	0.13	0.0%	0.13	0.0%	0.19	46.2%	0.13	0.0%
915	0.38	0.38	0.0%	0.38	0.0%	0.48	26.3%	0.38	0.0%
916	0.80	0.80	0.0%	0.79	-1.3%	1.05	31.3%	0.74	-7.5%
917	2.91	2.91	0.0%	2.90	-0.3%	3.12	7.2%	2.91	0.0%
918	1.89	1.89	0.0%	1.88	-0.5%	1.88	-0.5%	1.89	0.0%
919	0.40	0.40	0.0%	0.40	0.0%	0.43	7.5%	0.40	0.0%
920	0.68	0.68	0.0%	0.68	0.0%	0.82	20.6%	0.68	0.0%
921	1.09	1.09	0.0%	1.09	0.0%	1.27	16.5%	1.09	0.0%
922	1.48	1.48	0.0%	1.47	-0.7%	1.71	15.5%	1.48	0.0%
923	0.62	0.62	0.0%	0.62	0.0%	0.75	21.0%	0.62	0.0%
924	0.59	0.59	0.0%	0.59	0.0%	0.69	16.9%	0.59	0.0%
925	2.45	2.45	0.0%	2.45	0.0%	2.87	17.1%	2.45	0.0%
926	0.37	0.37	0.0%	0.37	0.0%	0.51	37.8%	0.36	-2.7%
927	0.68	0.68	0.0%	0.67	-1.5%	0.76	11.8%	0.68	0.0%
928	0.26	0.26	0.0%	0.26	0.0%	0.31	19.2%	0.26	0.0%
929	0.44	0.44	0.0%	0.44	0.0%	0.52	18.2%	0.44	0.0%
930	0.17	0.17	0.0%	0.17	0.0%	0.22	29.4%	0.17	0.0%
931	1.28	1.28	0.0%	1.28	0.0%	1.50	17.2%	1.28	0.0%
932	0.63	0.63	0.0%	0.63	0.0%	0.71	12.7%	0.63	0.0%
933	0.57	0.57	0.0%	0.57	0.0%	0.68	19.3%	0.57	0.0%
934	0.55	0.55	0.0%	0.55	0.0%	0.63	14.5%	0.55	0.0%
935	1.25	1.25	0.0%	1.24	-0.8%	1.52	21.6%	1.24	-0.8%
Average Differences (All Subcatchments)			**0.9%**		**-1.0%**		**20.4%**		**-5.2%**
Average Differences (Focus Locations)			**1.8%**		**-1.8%**		**15.2%**		**-9.3%**

***	Impervious Continual Loss	Pervious Continual Loss	Impervious Initial Loss	Pervious Initial Loss
Scenario	**mm/hr**	**mm/hr**	**mm**	**Storm Adjustment Factor (%)**
Adopted Losses	0	2.5	0	40
Lower CL	0	1.5	0	40
Higher CL	0.5	3.5	0	40
Lower IL	0	2.5	0	60
Higher IL	0	2.5	1	20

Rainfall Loss Sensitivity Results for the 1% AEP Event

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
1	228.23	229.85	0.7%	225.88	-1.0%	249.03	9.1%	210.37	-7.8%
2	1.89	1.9	0.5%	1.87	-1.1%	2.37	25.4%	1.68	-11.1%
3	1.84	1.86	1.1%	1.83	-0.5%	2.3	25.0%	1.45	-21.2%
4	3.57	3.61	1.1%	3.54	-0.8%	4.37	22.4%	2.97	-16.8%
5	4.11	4.15	1.0%	4.07	-1.0%	5.15	25.3%	3.27	-20.4%
6	10.50	10.6	1.0%	10.39	-1.0%	12.02	14.5%	8.71	-17.0%
7	13.13	13.29	1.2%	12.98	-1.1%	14.92	13.6%	10.35	-21.2%
8	13.23	13.36	1.0%	13.09	-1.1%	15	13.4%	11.67	-11.8%
9	2.00	2.02	1.0%	1.99	-0.5%	2.49	24.5%	1.51	-24.5%
10	17.05	17.23	1.1%	16.87	-1.1%	19.89	16.7%	13.84	-18.8%
11	1.84	1.86	1.1%	1.83	-0.5%	2.3	25.0%	1.45	-21.2%
12	6.92	6.99	1.0%	6.85	-1.0%	8.21	18.6%	5.61	-18.9%
13	1.25	1.27	1.6%	1.24	-0.8%	1.49	19.2%	1.01	-19.2%
14	1.67	1.69	1.2%	1.65	-1.2%	2	19.8%	1.43	-14.4%
15	3.89	3.94	1.3%	3.85	-1.0%	4.52	16.2%	3.13	-19.5%
16	26.66	26.95	1.1%	26.36	-1.1%	29.97	12.4%	23.08	-13.4%
17	1.68	1.68	0.0%	1.67	-0.6%	2.04	21.4%	1.5	-10.7%
18	5.91	5.93	0.3%	5.88	-0.5%	7.14	20.8%	5.53	-6.4%
19	2.17	2.2	1.4%	2.13	-1.8%	2.59	19.4%	1.74	-19.8%
20	9.42	9.52	1.1%	9.32	-1.1%	10.93	16.0%	7.75	-17.7%
21	11.12	11.27	1.3%	10.96	-1.4%	13.18	18.5%	9.39	-15.6%
22	29.26	29.58	1.1%	28.93	-1.1%	33.01	12.8%	25.62	-12.4%
23	2.75	2.78	1.1%	2.72	-1.1%	3.36	22.2%	2.21	-19.6%
24	11.60	11.73	1.1%	11.46	-1.2%	14.14	21.9%	9.38	-19.1%
25	13.46	13.63	1.3%	13.29	-1.3%	15.7	16.6%	10.79	-19.8%
26	20.19	20.39	1.0%	19.97	-1.1%	24.51	21.4%	15.77	-21.9%
27	2.47	2.49	0.8%	2.45	-0.8%	3.11	25.9%	1.85	-25.1%
28	2.18	2.2	0.9%	2.17	-0.5%	2.76	26.6%	1.82	-16.5%
29	9.17	9.21	0.4%	8.3	-9.5%	10.38	13.2%	7.48	-18.4%
30	2.34	2.36	0.9%	2.31	-1.3%	2.94	25.6%	2.01	-14.1%
31	41.88	42.41	1.3%	41.35	-1.3%	45.85	9.5%	32.41	-22.6%
32	2.47	2.48	0.4%	2.46	-0.4%	2.95	19.4%	2.39	-3.2%
33	11.57	11.6	0.3%	11.51	-0.5%	12.82	10.8%	9.36	-19.1%
34	20.30	20.28	-0.1%	19.98	-1.6%	26.85	32.3%	18.43	-9.2%
35	2.23	2.25	0.9%	2.2	-1.3%	2.74	22.9%	1.93	-13.5%
36	8.11	8.19	1.0%	8.02	-1.1%	9.44	16.4%	6.58	-18.9%
37	3.58	3.6	0.6%	3.55	-0.8%	4.45	24.3%	2.97	-17.0%
38	4.39	4.44	1.1%	4.34	-1.1%	5.09	15.9%	3.48	-20.7%
39	10.83	10.94	1.0%	10.71	-1.1%	12.45	15.0%	8.71	-19.6%
40	42.78	43.31	1.2%	42.23	-1.3%	46.91	9.7%	33.26	-22.3%
41	1.83	1.84	0.5%	1.82	-0.5%	2.29	25.1%	1.45	-20.8%
42	45.77	46.41	1.4%	45.08	-1.5%	52.32	14.3%	37.58	-17.9%
43	2.85	2.86	0.4%	2.83	-0.7%	3.48	22.1%	2.68	-6.0%
44	20.31	20.37	0.3%	19.98	-1.6%	26.87	32.3%	18.47	-9.1%
45	1.72	1.74	1.2%	1.7	-1.2%	2.11	22.7%	1.47	-14.5%
46	46.11	46.76	1.4%	45.42	-1.5%	53.42	15.9%	37.74	-18.2%
47	1.56	1.57	0.6%	1.54	-1.3%	1.71	9.6%	1.21	-22.4%
48	2.51	2.52	0.4%	2.5	-0.4%	3.24	29.1%	2.06	-17.9%
49	1.67	1.68	0.6%	1.65	-1.2%	2.09	25.1%	1.5	-10.2%
50	5.29	5.34	0.9%	5.23	-1.1%	6.24	18.0%	4.18	-21.0%
51	2.59	2.63	1.5%	2.58	-0.4%	2.93	13.1%	2.67	3.1%
52	4.75	4.78	0.6%	4.72	-0.6%	6.02	26.7%	4.21	-11.4%
53	4.76	4.78	0.4%	4.72	-0.8%	5.9	23.9%	4.12	-13.4%
54	47.20	47.86	1.4%	46.49	-1.5%	54.59	15.7%	38.67	-18.1%
55	2.76	2.77	0.4%	2.75	-0.4%	3.04	10.1%	2.71	-1.8%
56	8.26	8.29	0.4%	8.23	-0.4%	9.79	18.5%	6.85	-17.1%
57	11.42	11.45	0.3%	11.37	-0.4%	13.54	18.6%	9.51	-16.7%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
58	20.17	21.41	6.1%	19.85	-1.6%	23.57	16.9%	22.09	9.5%
59	4.23	4.23	0.0%	4.22	-0.2%	4.56	7.8%	4.23	0.0%
60	23.21	23.24	0.1%	22.4	-3.5%	25.01	7.8%	24.85	7.1%
61	5.75	5.8	0.9%	5.69	-1.0%	6.49	12.9%	4.55	-20.9%
62	8.96	8.6	-4.0%	8.86	-1.1%	10.71	19.5%	7.23	-19.3%
63	2.72	2.74	0.7%	2.69	-1.1%	2.98	9.6%	2.1	-22.8%
64	16.01	16.17	1.0%	15.83	-1.1%	18.97	18.5%	13.74	-14.2%
65	1.29	1.3	0.8%	1.27	-1.6%	1.61	24.8%	1.11	-14.0%
66	48.25	48.93	1.4%	47.52	-1.5%	57.4	19.0%	43.12	-10.6%
67	1.55	1.57	1.3%	1.54	-0.6%	1.94	25.2%	1.4	-9.7%
68	2.03	2.05	1.0%	2.01	-1.0%	2.68	32.0%	1.74	-14.3%
69	19.39	19.58	1.0%	19.19	-1.0%	22.64	16.8%	16.11	-16.9%
70	48.43	49.11	1.4%	47.7	-1.5%	57.79	19.3%	43.55	-10.1%
71	2.18	2.2	0.9%	2.17	-0.5%	2.72	24.8%	1.94	-11.0%
72	62.77	63.53	1.2%	61.98	-1.3%	73.23	16.7%	51.85	-17.4%
73	3.00	3.02	0.7%	2.98	-0.7%	4.02	34.0%	2.42	-19.3%
74	18.08	18.27	1.1%	17.88	-1.1%	20.57	13.8%	15.64	-13.5%
75	2.07	2.07	0.0%	2.05	-1.0%	2.27	9.7%	2.02	-2.4%
76	7.24	7.24	0.0%	7.22	-0.3%	8.09	11.7%	7.14	-1.4%
77	9.43	9.43	0.0%	9.41	-0.2%	11.2	18.8%	9.08	-3.7%
78	25.86	26.54	2.6%	25.55	-1.2%	27.74	7.3%	23.54	-9.0%
79	2.77	2.78	0.4%	2.75	-0.7%	2.93	5.8%	2.34	-15.5%
80	63.25	64.01	1.2%	62.46	-1.2%	73.71	16.5%	52.86	-16.4%
81	2.30	2.31	0.4%	2.29	-0.4%	2.79	21.3%	2.21	-3.9%
82	32.29	32.45	0.5%	32.04	-0.8%	37.61	16.5%	28.31	-12.3%
83	1.23	1.24	0.8%	1.23	0.0%	1.28	4.1%	1.17	-4.9%
84	4.56	4.59	0.7%	4.52	-0.9%	5.25	15.1%	3.65	-20.0%
85	1.97	1.98	0.5%	1.95	-1.0%	2.44	23.9%	1.66	-15.7%
86	3.72	3.76	1.1%	3.68	-1.1%	4.42	18.8%	3.16	-15.1%
87	1.97	1.98	0.5%	1.96	-0.5%	2.35	19.3%	1.55	-21.3%
88	64.07	64.84	1.2%	63.27	-1.2%	74.53	16.3%	53.87	-15.9%
89	1.63	1.65	1.2%	1.62	-0.6%	2.17	33.1%	1.43	-12.3%
90	62.24	63.02	1.3%	61.42	-1.3%	72.81	17.0%	53.63	-13.8%
91	2.01	2.02	0.5%	2	-0.5%	2.44	21.4%	1.73	-13.9%
92	6.54	6.59	0.8%	6.48	-0.9%	7.24	10.7%	5.43	-17.0%
93	4.73	4.78	1.1%	4.67	-1.3%	5.54	17.1%	4	-15.4%
94	62.30	63.08	1.3%	61.47	-1.3%	72.89	17.0%	53.93	-13.4%
95	2.48	2.49	0.4%	2.47	-0.4%	2.75	10.9%	2.45	-1.2%
96	2.78	2.79	0.4%	2.72	-2.2%	3.1	11.5%	2.82	1.4%
97	2.74	2.75	0.4%	2.72	-0.7%	3.32	21.2%	2.52	-8.0%
98	23.63	23.83	0.8%	23.59	-0.2%	24.09	1.9%	23.17	-1.9%
99	2.56	2.57	0.4%	2.55	-0.4%	2.93	14.5%	2.05	-19.9%
100	64.12	64.93	1.3%	63.27	-1.3%	75.46	17.7%	56.2	-12.4%
101	2.43	2.43	0.0%	2.41	-0.8%	2.74	12.8%	1.8	-25.9%
102	9.58	9.66	0.8%	9.48	-1.0%	11.09	15.8%	7.95	-17.0%
103	5.83	5.83	0.0%	5.82	-0.2%	6.3	8.1%	5.83	0.0%
104	6.88	6.88	0.0%	6.87	-0.1%	7.74	12.5%	6.88	0.0%
105	2.04	2.05	0.5%	2.02	-1.0%	2.41	18.1%	1.96	-3.9%
106	0.00	0	0.0%	0	0.0%	0	0.0%	0	0.0%
107	2.93	2.67	-8.9%	2.92	-0.3%	3.43	17.1%	2.2	-24.9%
108	10.79	10.89	0.9%	10.66	-1.2%	11.82	9.5%	8.73	-19.1%
109	2.16	2.17	0.5%	2.15	-0.5%	2.65	22.7%	2.01	-6.9%
110	0.00	0	0.0%	0	0.0%	0	0.0%	0	0.0%
111	2.60	2.61	0.4%	2.58	-0.8%	3.16	21.5%	2.22	-14.6%
112	64.18	64.99	1.3%	63.33	-1.3%	75.56	17.7%	56.79	-11.5%
113	2.27	2.29	0.9%	2.24	-1.3%	2.69	18.5%	1.81	-20.3%
114	3.07	3.1	1.0%	3.05	-0.7%	3.79	23.5%	2.57	-16.3%
115	2.20	2.21	0.5%	2.18	-0.9%	2.79	26.8%	1.78	-19.1%
116	16.48	16.53	0.3%	16.4	-0.5%	19.46	18.1%	14.59	-11.5%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
117	30.19	30.3	0.4%	29.97	-0.7%	32.33	7.1%	28.48	-5.7%
118	64.22	65.02	1.2%	63.36	-1.3%	75.6	17.7%	57.24	-10.9%
119	3.27	3.28	0.3%	3.25	-0.6%	3.9	19.3%	2.79	-14.7%
120	7.25	7.3	0.7%	7.18	-1.0%	8.59	18.5%	6.15	-15.2%
121	13.33	13.38	0.4%	13.25	-0.6%	14.47	8.6%	10.58	-20.6%
122	12.59	12.72	1.0%	12.41	-1.4%	14.73	17.0%	10.61	-15.7%
123	18.57	18.64	0.4%	18.48	-0.5%	23.24	25.1%	15.72	-15.3%
124	0.01	0.01	0.0%	0.01	0.0%	0.01	0.0%	0.01	0.0%
125	3.29	3.3	0.3%	3.27	-0.6%	3.94	19.8%	2.84	-13.7%
126	87.69	88.55	1.0%	86.81	-1.0%	99.85	13.9%	81.84	-6.7%
127	4.34	4.36	0.5%	4.31	-0.7%	5.42	24.9%	3.67	-15.4%
128	9.90	9.98	0.8%	9.8	-1.0%	11.84	19.6%	8.24	-16.8%
129	3.66	3.68	0.5%	3.63	-0.8%	4.51	23.2%	3.08	-15.8%
130	91.63	92.94	1.4%	90.24	-1.5%	100.71	9.9%	85.8	-6.4%
131	6.94	6.96	0.3%	6.91	-0.4%	8.18	17.9%	5.65	-18.6%
132	20.90	21.14	1.1%	20.58	-1.5%	24.62	17.8%	18.7	-10.5%
133	5.75	5.77	0.3%	5.72	-0.5%	6.58	14.4%	4.5	-21.7%
134	23.93	24.12	0.8%	23.66	-1.1%	26.55	10.9%	20.51	-14.3%
135	3.51	3.52	0.3%	3.49	-0.6%	4.23	20.5%	3.18	-9.4%
136	3.25	3.26	0.3%	3.22	-0.9%	3.91	20.3%	2.61	-19.7%
137	2.30	2.31	0.4%	2.28	-0.9%	2.73	18.7%	1.93	-16.1%
138	27.48	27.7	0.8%	27.15	-1.2%	29.44	7.1%	22.97	-16.4%
139	20.61	20.77	0.8%	20.41	-1.0%	24.5	18.9%	17.32	-16.0%
140	1.89	1.9	0.5%	1.88	-0.5%	2.2	16.4%	1.61	-14.8%
141	28.75	28.99	0.8%	28.41	-1.2%	30.95	7.7%	23.08	-19.7%
142	1.21	1.22	0.8%	1.2	-0.8%	1.35	11.6%	1.02	-15.7%
143	28.20	28.47	1.0%	27.82	-1.3%	32.68	15.9%	24.38	-13.5%
144	29.33	29.61	1.0%	28.66	-2.3%	33.36	13.7%	28.39	-3.2%
145	91.73	93.04	1.4%	90.34	-1.5%	101.02	10.1%	86.43	-5.8%
146	5.29	5.31	0.4%	5.27	-0.4%	6.19	17.0%	4.44	-16.1%
147	5.69	5.7	0.2%	5.66	-0.5%	6.11	7.4%	5.03	-11.6%
148	1.89	1.89	0.0%	1.88	-0.5%	2.18	15.3%	1.7	-10.1%
149	4.12	4.14	0.5%	4.1	-0.5%	5.09	23.5%	3.63	-11.9%
150	6.90	6.92	0.3%	6.86	-0.6%	7.96	15.4%	5.73	-17.0%
151	11.26	11.29	0.3%	11.2	-0.5%	12.93	14.8%	10.5	-6.7%
152	1.87	1.88	0.5%	1.86	-0.5%	2.13	13.9%	1.42	-24.1%
153	4.81	4.89	1.7%	4.71	-2.1%	4.84	0.6%	4.72	-1.9%
154	7.10	7.1	0.0%	7.08	-0.3%	7.5	5.6%	7.03	-1.0%
155	118.16	120.18	1.7%	115.91	-1.9%	126.09	6.7%	106.8	-9.6%
156	2.52	2.52	0.0%	2.52	0.0%	2.66	5.6%	2.44	-3.2%
157	4.56	4.56	0.0%	4.55	-0.2%	4.92	7.9%	4.45	-2.4%
158	2.67	2.69	0.7%	2.66	-0.4%	3.04	13.9%	2.22	-16.9%
159	119.07	121.1	1.7%	116.8	-1.9%	128.6	8.0%	109.78	-7.8%
160	4.45	4.47	0.4%	4.43	-0.4%	5.03	13.0%	3.54	-20.4%
161	4.95	4.97	0.4%	4.92	-0.6%	5.96	20.4%	4.39	-11.3%
162	18.38	18.39	0.1%	18.32	-0.3%	21.09	14.7%	15.23	-17.1%
163	119.61	121.65	1.7%	117.32	-1.9%	128.98	7.8%	110.96	-7.2%
164	2.52	2.53	0.4%	2.51	-0.4%	2.96	17.5%	2.11	-16.3%
165	16.52	16.58	0.4%	16.42	-0.6%	19.53	18.2%	14.55	-11.9%
166	10.94	10.99	0.5%	10.87	-0.6%	13.21	20.7%	9.2	-15.9%
167	16.31	16.37	0.4%	16.21	-0.6%	19.3	18.3%	14.15	-13.2%
168	2.02	2.03	0.5%	2.01	-0.5%	2.52	24.8%	1.52	-24.8%
169	2.53	2.54	0.4%	2.52	-0.4%	2.85	12.6%	1.88	-25.7%
170	4.41	4.16	-5.7%	4.39	-0.5%	4.96	12.5%	3.23	-26.8%
171	18.62	18.7	0.4%	18.51	-0.6%	21.77	16.9%	16.44	-11.7%
172	2.89	2.92	1.0%	2.86	-1.0%	3.41	18.0%	2.38	-17.6%
173	3.89	3.91	0.5%	3.86	-0.8%	4.67	20.1%	3.21	-17.5%
174	127.28	130.05	2.2%	123.86	-2.7%	135.05	6.1%	116.62	-8.4%
175	7.39	7.46	0.9%	7.31	-1.1%	8.53	15.4%	6.25	-15.4%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
176	2.01	2.03	1.0%	2.01	0.0%	2.53	25.9%	1.7	-15.4%
177	2.88	2.91	1.0%	2.85	-1.0%	3.46	20.1%	2.42	-16.0%
178	4.99	5.04	1.0%	4.94	-1.0%	6	20.2%	4.14	-17.0%
179	6.86	6.88	0.3%	6.83	-0.4%	7.76	13.1%	5.64	-17.8%
180	2.05	2.06	0.5%	2.03	-1.0%	2.52	22.9%	1.61	-21.5%
181	128.85	131.89	2.4%	125.22	-2.8%	136.79	6.2%	118.32	-8.2%
182	2.37	2.38	0.4%	2.35	-0.8%	2.86	20.7%	2.06	-13.1%
183	6.02	6.05	0.5%	5.98	-0.7%	6.7	11.3%	4.72	-21.6%
184	1.41	1.42	0.7%	1.41	0.0%	1.56	10.6%	1.34	-5.0%
185	9.68	9.71	0.3%	9.62	-0.6%	11.61	19.9%	8.24	-14.9%
186	2.34	2.36	0.9%	2.31	-1.3%	2.89	23.5%	2.03	-13.2%
187	2.62	2.65	1.1%	2.6	-0.8%	3.12	19.1%	2.23	-14.9%
188	2.36	2.38	0.8%	2.34	-0.8%	2.63	11.4%	1.83	-22.5%
189	5.31	5.36	0.9%	5.25	-1.1%	6.24	17.5%	4.41	-16.9%
190	1.97	1.98	0.5%	1.96	-0.5%	2.32	17.8%	1.68	-14.7%
191	128.95	132.01	2.4%	125.29	-2.8%	136.87	6.1%	118.54	-8.1%
192	13.13	13.21	0.6%	13.01	-0.9%	15.38	17.1%	10.78	-17.9%
193	23.79	23.94	0.6%	23.7	-0.4%	27.47	15.5%	21.13	-11.2%
194	2.19	2.19	0.0%	2.17	-0.9%	2.58	17.8%	1.78	-18.7%
195	9.89	9.9	0.1%	9.86	-0.3%	10.93	10.5%	9.14	-7.6%
196	2.33	2.34	0.4%	2.31	-0.9%	2.69	15.5%	2	-14.2%
197	37.88	38.12	0.6%	37.56	-0.8%	42.83	13.1%	32.84	-13.3%
198	12.45	12.48	0.2%	12.39	-0.5%	14.3	14.9%	10.94	-12.1%
199	129.06	132.14	2.4%	125.37	-2.9%	136.96	6.1%	124.51	-3.5%
200	1.75	1.77	1.1%	1.74	-0.6%	2.13	21.7%	1.42	-18.9%
201	39.28	39.52	0.6%	38.95	-0.8%	44.21	12.6%	33.81	-13.9%
202	12.54	12.64	0.8%	12.43	-0.9%	15.05	20.0%	10.44	-16.7%
203	39.82	40.07	0.6%	39.49	-0.8%	44.87	12.7%	34.28	-13.9%
204	11.87	12	1.1%	11.73	-1.2%	13.33	12.3%	9.57	-19.4%
205	129.82	133.06	2.5%	125.87	-3.0%	138.64	6.8%	128.97	-0.7%
206	1.94	1.95	0.5%	1.92	-1.0%	2.4	23.7%	1.54	-20.6%
207	52.25	52.59	0.7%	51.8	-0.9%	62.18	19.0%	45.16	-13.6%
208	2.63	2.65	0.8%	2.6	-1.1%	3.16	20.2%	2.21	-16.0%
209	134.90	138.3	2.5%	131.81	-2.3%	145.04	7.5%	130.04	-3.6%
210	2.02	2.03	0.5%	2.01	-0.5%	2.31	14.4%	1.53	-24.3%
211	135.12	138.54	2.5%	132.11	-2.2%	145.73	7.9%	131.41	-2.7%
212	3.06	3.06	0.0%	3.06	0.0%	3.5	14.4%	2.82	-7.8%
213	54.27	54.61	0.6%	53.83	-0.8%	62.89	15.9%	46.59	-14.2%
214	3.97	3.99	0.5%	3.95	-0.5%	4.44	11.8%	3.19	-19.6%
215	135.16	138.59	2.5%	132.19	-2.2%	145.82	7.9%	132.21	-2.2%
216	54.38	54.72	0.6%	53.93	-0.8%	60.99	12.2%	46.74	-14.0%
217	139.15	141.57	1.7%	133.34	-4.2%	147.26	5.8%	134.7	-3.2%
218	0.25	0.26	4.0%	0.23	-8.0%	0.25	0.0%	0.25	0.0%
219	3.91	3.92	0.3%	3.89	-0.5%	4.35	11.3%	3.05	-22.0%
220	2.02	2.03	0.5%	2.01	-0.5%	2.44	20.8%	1.96	-3.0%
221	3.29	3.29	0.0%	3.28	-0.3%	3.97	20.7%	3.39	3.0%
222	8.39	8.44	0.6%	8.34	-0.6%	10.24	22.1%	8.62	2.7%
223	8.11	8.13	0.2%	8.07	-0.5%	9.71	19.7%	7.11	-12.3%
224	3.24	3.25	0.3%	3.22	-0.6%	3.81	17.6%	2.61	-19.4%
225	3.70	3.71	0.3%	3.69	-0.3%	4.29	15.9%	3.63	-1.9%
226	2.68	2.68	0.0%	2.66	-0.7%	3.16	17.9%	2.2	-17.9%
227	6.92	6.95	0.4%	6.89	-0.4%	8.04	16.2%	6.29	-9.1%
228	1.80	1.8	0.0%	1.79	-0.6%	2.14	18.9%	1.51	-16.1%
229	9.28	9.32	0.4%	9.24	-0.4%	10.75	15.8%	8.01	-13.7%
230	3.97	3.99	0.5%	3.95	-0.5%	4.81	21.2%	3.96	-0.3%
231	19.03	19.14	0.6%	18.87	-0.8%	21.86	14.9%	16.25	-14.6%
232	2.03	2.05	1.0%	2.02	-0.5%	2.54	25.1%	1.69	-16.7%
233	33.41	33.14	-0.8%	33.22	-0.6%	37.66	12.7%	28.75	-13.9%
234	0.65	0.67	3.1%	0.63	-3.1%	0.66	1.5%	0.64	-1.5%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
235	187.71	188.81	0.6%	186.13	-0.8%	207.31	10.4%	173.26	-7.7%
236	1.30	1.3	0.0%	1.29	-0.8%	1.57	20.8%	1.25	-3.8%
237	33.98	34.14	0.5%	33.7	-0.8%	38.04	11.9%	29.71	-12.6%
238	4.19	4.24	1.2%	4.15	-1.0%	4.95	18.1%	3.45	-17.7%
239	0.65	0.67	3.1%	0.63	-3.1%	0.66	1.5%	0.64	-1.5%
240	2.81	2.81	0.0%	2.8	-0.4%	2.81	0.0%	2.81	0.0%
241	22.54	22.69	0.7%	22.34	-0.9%	27.24	20.9%	20.07	-11.0%
242	12.81	12.85	0.3%	12.74	-0.5%	14.15	10.5%	10.41	-18.7%
243	23.70	23.85	0.6%	23.48	-0.9%	27.15	14.6%	20.83	-12.1%
244	2.81	2.82	0.4%	2.8	-0.4%	3.35	19.2%	2.21	-21.4%
245	188.38	189.49	0.6%	186.79	-0.8%	208.68	10.8%	175.52	-6.8%
246	2.44	2.44	0.0%	2.44	0.0%	2.48	1.6%	2.44	0.0%
247	4.55	4.55	0.0%	4.54	-0.2%	4.48	-1.5%	4.55	0.0%
248	2.34	2.34	0.0%	2.34	0.0%	2.66	13.7%	2.41	3.0%
249	8.81	8.81	0.0%	8.79	-0.2%	8.81	0.0%	8.81	0.0%
250	35.10	35.27	0.5%	34.81	-0.8%	39.32	12.0%	30.85	-12.1%
251	188.46	189.56	0.6%	186.86	-0.8%	208.91	10.9%	176.06	-6.6%
252	5.21	5.21	0.0%	5.2	-0.2%	5.12	-1.7%	5.21	0.0%
253	15.00	15.01	0.1%	14.96	-0.3%	16.89	12.6%	14.78	-1.5%
254	3.19	3.21	0.6%	3.17	-0.6%	3.81	19.4%	2.58	-19.1%
255	217.18	218.6	0.7%	211.43	-2.6%	238.19	9.7%	197.45	-9.1%
256	11.54	11.54	0.0%	11.52	-0.2%	11.99	3.9%	11.38	-1.4%
257	15.83	15.86	0.2%	15.76	-0.4%	18.08	14.2%	14.83	-6.3%
258	22.27	22.35	0.4%	22.11	-0.7%	24.58	10.4%	21.16	-5.0%
259	217.80	219.24	0.7%	215.7	-1.0%	238.3	9.4%	198.45	-8.9%
260	4.79	4.79	0.0%	4.78	-0.2%	5.51	15.0%	4.61	-3.8%
261	5.46	5.47	0.2%	5.43	-0.5%	6.59	20.7%	4.8	-12.1%
262	10.27	10.3	0.3%	10.21	-0.6%	12.04	17.2%	9.11	-11.3%
263	226.32	227.88	0.7%	224.03	-1.0%	248.32	9.7%	208.13	-8.0%
264	1.91	1.93	1.0%	1.9	-0.5%	2.49	30.4%	1.46	-23.6%
265	3.62	3.66	1.1%	3.58	-1.1%	4.35	20.2%	2.92	-19.3%
266	2.24	2.26	0.9%	2.22	-0.9%	2.8	25.0%	2.02	-9.8%
267	5.61	5.66	0.9%	5.55	-1.1%	6.9	23.0%	4.43	-21.0%
268	1.81	1.83	1.1%	1.79	-1.1%	2.22	22.7%	1.48	-18.2%
269	3.39	3.42	0.9%	3.35	-1.2%	4.16	22.7%	2.83	-16.5%
270	2.02	2.04	1.0%	2	-1.0%	2.51	24.3%	1.68	-16.8%
271	8.03	8.1	0.9%	7.95	-1.0%	9.28	15.6%	6.49	-19.2%
272	4.11	4.16	1.2%	4.05	-1.5%	4.81	17.0%	3.34	-18.7%
273	5.29	5.34	0.9%	5.23	-1.1%	5.98	13.0%	4.15	-21.6%
274	2.08	2.1	1.0%	2.06	-1.0%	2.56	23.1%	1.7	-18.3%
275	7.99	8.08	1.1%	7.91	-1.0%	9.56	19.6%	6.56	-17.9%
276	0.91	0.91	0.0%	0.9	-1.1%	0.97	6.6%	0.62	-31.9%
277	10.04	10.14	1.0%	9.93	-1.1%	12.06	20.1%	8.25	-17.8%
278	5.98	6.03	0.8%	5.92	-1.0%	7.04	17.7%	4.86	-18.7%
279	10.92	11.04	1.1%	10.81	-1.0%	12.9	18.1%	8.77	-19.7%
280	2.77	2.8	1.1%	2.73	-1.4%	3.26	17.7%	2.22	-19.9%
281	10.10	10.21	1.1%	9.98	-1.2%	12.3	21.8%	7.79	-22.9%
282	3.26	3.29	0.9%	3.23	-0.9%	4.07	24.8%	2.73	-16.3%
283	8.08	8.17	1.1%	7.98	-1.2%	9.28	14.9%	7.24	-10.4%
284	4.52	4.56	0.9%	4.47	-1.1%	5.41	19.7%	3.82	-15.5%
285	1.81	1.83	1.1%	1.8	-0.6%	2.26	24.9%	1.46	-19.3%
286	9.82	9.91	0.9%	9.72	-1.0%	11.58	17.9%	8.31	-15.4%
287	9.94	10.05	1.1%	9.82	-1.2%	11.44	15.1%	8.33	-16.2%
288	26.62	26.91	1.1%	26.32	-1.1%	29.95	12.5%	23.03	-13.5%
289	3.41	3.45	1.2%	3.36	-1.5%	4	17.3%	2.75	-19.4%
290	2.25	2.28	1.3%	2.22	-1.3%	2.64	17.3%	1.83	-18.7%
291	3.34	3.38	1.2%	3.3	-1.2%	4	19.8%	2.84	-15.0%
292	29.26	29.58	1.1%	28.93	-1.1%	33.01	12.8%	25.62	-12.4%
293	10.81	10.96	1.4%	11.46	6.0%	12.85	18.9%	9.11	-15.7%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
294	19.54	19.74	1.0%	19.33	-1.1%	23.85	22.1%	15.34	-21.5%
295	20.30	20.33	0.1%	19.98	-1.6%	26.86	32.3%	18.46	-9.1%
296	25.70	25.77	0.3%	25.53	-0.7%	26.42	2.8%	24.79	-3.5%
297	27.39	27.47	0.3%	27.2	-0.7%	28.78	5.1%	26.14	-4.6%
298	15.30	15.34	0.3%	15.23	-0.5%	18	17.6%	14.59	-4.6%
299	1.23	1.24	0.8%	1.23	0.0%	1.28	4.1%	1.17	-4.9%
300	3.43	3.46	0.9%	3.4	-0.9%	4.25	23.9%	2.93	-14.6%
301	6.91	6.96	0.7%	6.86	-0.7%	7.92	14.6%	5.49	-20.5%
302	16.04	16.16	0.7%	15.88	-1.0%	18.81	17.3%	13.4	-16.5%
303	6.03	6.06	0.5%	5.99	-0.7%	6.6	9.5%	4.57	-24.2%
304	3.94	3.96	0.5%	3.92	-0.5%	4.69	19.0%	3.22	-18.3%
305	12.35	12.4	0.4%	12.28	-0.6%	13.2	6.9%	9.58	-22.4%
306	8.74	8.83	1.0%	8.65	-1.0%	10.33	18.2%	7.17	-18.0%
307	0.09	0.09	0.0%	0.08	-11.1%	0.09	0.0%	0.09	0.0%
308	23.56	23.71	0.6%	23.05	-2.2%	26.82	13.8%	20.6	-12.6%
309	12.69	12.73	0.3%	11.64	-8.3%	14.08	11.0%	10.26	-19.1%
310	217.72	219.16	0.7%	215.63	-1.0%	238.28	9.4%	198.32	-8.9%
311	21.50	21.54	0.2%	21.37	-0.6%	22.66	5.4%	20.3	-5.6%
312	4.60	4.62	0.4%	4.48	-2.6%	5.32	15.7%	4.11	-10.7%
313	3.96	3.98	0.5%	3.93	-0.8%	4.8	21.2%	3.88	-2.0%
314	18.88	19	0.6%	18.7	-1.0%	21.8	15.5%	15.76	-16.5%
315	7.35	7.38	0.4%	7.3	-0.7%	8.91	21.2%	7	-4.8%
316	5.09	5.26	3.3%	5.07	-0.4%	6.11	20.0%	4.9	-3.7%
317	23.54	23.65	0.5%	23.39	-0.6%	27.1	15.1%	20.86	-11.4%
318	13.05	13.13	0.6%	12.93	-0.9%	15.34	17.5%	10.7	-18.0%
319	4.76	4.84	1.7%	4.66	-2.1%	5.09	6.9%	4.73	-0.6%
320	4.31	4.38	1.6%	4.2	-2.6%	4.57	6.0%	4.21	-2.3%
321	4.27	4.34	1.6%	4.18	-2.1%	4.38	2.6%	4.16	-2.6%
322	4.22	4.3	1.9%	4.31	2.1%	4.33	2.6%	4.13	-2.1%
323	3.66	3.7	1.1%	3.61	-1.4%	3.76	2.7%	3.6	-1.6%
324	3.64	3.68	1.1%	3.58	-1.6%	3.75	3.0%	3.58	-1.6%
325	20.58	20.73	0.7%	20.38	-1.0%	24.28	18.0%	17.21	-16.4%
326	17.06	17.19	0.8%	16.89	-1.0%	19.66	15.2%	14.26	-16.4%
327	3.42	3.43	0.3%	3.39	-0.9%	4.1	19.9%	3.11	-9.1%
328	2.91	2.92	0.3%	2.89	-0.7%	3.64	25.1%	2.42	-16.8%
329	0.88	0.89	1.1%	0.88	0.0%	1.11	26.1%	0.69	-21.6%
330	10.96	11.09	1.2%	10.84	-1.1%	12.67	15.6%	9.01	-17.8%
331	9.24	9.24	0.0%	9.22	-0.2%	9.98	8.0%	9.07	-1.8%
332	6.05	6.07	0.3%	6.02	-0.5%	6.92	14.4%	4.79	-20.8%
333	1.98	1.99	0.5%	1.97	-0.5%	2.37	19.7%	1.92	-3.0%
334	14.84	14.96	0.8%	14.7	-0.9%	17.59	18.5%	12.25	-17.5%
335	2.00	2.01	0.5%	1.99	-0.5%	2.47	23.5%	1.6	-20.0%
336	4.00	4.01	0.2%	3.98	-0.5%	4.8	20.0%	3.2	-20.0%
337	2.58	2.58	0.0%	2.57	-0.4%	2.93	13.6%	2.11	-18.2%
338	2.77	2.78	0.4%	2.76	-0.4%	3.36	21.3%	2.51	-9.4%
339	4.77	4.77	0.0%	4.9	2.7%	5.32	11.5%	4.91	2.9%
340	4.23	4.25	0.5%	4.2	-0.7%	5.43	28.4%	3.43	-18.9%
341	2.02	2.03	0.5%	2	-1.0%	2.67	32.2%	1.68	-16.8%
342	21.12	21.53	1.9%	20.17	-4.5%	27.12	28.4%	23.04	9.1%
343	15.75	15.8	0.3%	15.68	-0.4%	18.59	18.0%	14.59	-7.4%
344	5.33	5.35	0.4%	5.29	-0.8%	6.43	20.6%	4.38	-17.8%
345	1.52	1.53	0.7%	1.51	-0.7%	1.93	27.0%	1.13	-25.7%
346	1.34	1.35	0.7%	1.33	-0.7%	1.63	21.6%	1.24	-7.5%
347	1.94	1.95	0.5%	1.93	-0.5%	2.34	20.6%	1.53	-21.1%
348	11.55	11.63	0.7%	12.51	8.3%	14.11	22.2%	9.56	-17.2%
349	11.99	12.08	0.8%	11.88	-0.9%	14.49	20.9%	9.85	-17.8%
350	3.32	3.33	0.3%	3.3	-0.6%	4.02	21.1%	3.21	-3.3%
351	52.69	53.03	0.6%	52.24	-0.9%	62.53	18.7%	45.67	-13.3%
352	5.00	5.02	0.4%	4.98	-0.4%	5.84	16.8%	4.42	-11.6%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
353	5.99	6	0.2%	5.97	-0.3%	6.59	10.0%	5.75	-4.0%
354	1.68	1.69	0.6%	1.66	-1.2%	2	19.0%	1.34	-20.2%
355	34.35	34.52	0.5%	34.07	-0.8%	38.58	12.3%	30.16	-12.2%
356	34.82	34.99	0.5%	34.53	-0.8%	39.05	12.1%	30.58	-12.2%
357	1.81	1.75	-3.3%	1.8	-0.6%	2.25	24.3%	1.47	-18.8%
358	14.58	14.59	0.1%	14.54	-0.3%	16.73	14.7%	13.82	-5.2%
359	13.23	13.23	0.0%	13.2	-0.2%	14.59	10.3%	12.85	-2.9%
360	14.96	14.98	0.1%	14.92	-0.3%	16.86	12.7%	14.67	-1.9%
361	9.33	9.4	0.8%	9.24	-1.0%	10.67	14.4%	7.72	-17.3%
362	2.58	2.6	0.8%	2.57	-0.4%	3.21	24.4%	2.02	-21.7%
363	1.75	1.76	0.6%	1.74	-0.6%	2.17	24.0%	1.36	-22.3%
364	1.76	1.77	0.6%	1.75	-0.6%	2.15	22.2%	1.63	-7.4%
365	2.09	2.1	0.5%	2.07	-1.0%	2.65	26.8%	1.59	-23.9%
366	2.03	2.03	0.0%	2.01	-1.0%	2.4	18.2%	1.77	-12.8%
367	5.91	6.02	1.9%	5.78	-2.2%	6.48	9.6%	5.59	-5.4%
368	1.85	1.74	-5.9%	1.84	-0.5%	2.07	11.9%	1.48	-20.0%
369	4.64	4.66	0.4%	4.6	-0.9%	5.75	23.9%	4.27	-8.0%
370	2.88	2.89	0.3%	2.87	-0.3%	3.5	21.5%	2.23	-22.6%
371	2.06	2.07	0.5%	2.05	-0.5%	2.49	20.9%	2.04	-1.0%
372	1.89	1.9	0.5%	1.88	-0.5%	2.3	21.7%	1.62	-14.3%
373	4.11	4.13	0.5%	4.09	-0.5%	4.58	11.4%	3.28	-20.2%
374	1.39	1.4	0.7%	1.39	0.0%	1.52	9.4%	1.31	-5.8%
375	3.89	3.93	1.0%	3.85	-1.0%	4.6	18.3%	3.11	-20.1%
376	2.93	2.95	0.7%	2.9	-1.0%	3.67	25.3%	2.64	-9.9%
377	18.47	18.54	0.4%	18.38	-0.5%	20.79	12.6%	15.6	-15.5%
378	117.99	120	1.7%	115.74	-1.9%	126.01	6.8%	106.06	-10.1%
379	0.99	1	1.0%	0.99	0.0%	1.18	19.2%	0.93	-6.1%
380	7.57	7.58	0.1%	7.54	-0.4%	9.06	19.7%	6.53	-13.7%
381	1.38	1.39	0.7%	1.37	-0.7%	1.73	25.4%	1.23	-10.9%
382	2.01	2.02	0.5%	1.99	-1.0%	2.48	23.4%	1.82	-9.5%
383	0.46	0.46	0.0%	0.46	0.0%	0.56	21.7%	0.34	-26.1%
384	22.07	22.17	0.5%	21.92	-0.7%	25.97	17.7%	19.25	-12.8%
385	52.25	52.59	0.7%	51.8	-0.9%	62.18	19.0%	45.16	-13.6%
386	3.32	3.33	0.3%	3.3	-0.6%	4.34	30.7%	2.79	-16.0%
387	1.85	1.87	1.1%	1.83	-1.1%	2.36	27.6%	1.59	-14.1%
388	7.96	8.04	1.0%	7.87	-1.1%	9.52	19.6%	6.53	-18.0%
389	64.17	64.98	1.3%	63.32	-1.3%	75.54	17.7%	56.7	-11.6%
390	0.46	0.46	0.0%	0.46	0.0%	0.52	13.0%	0.4	-13.0%
391	2.72	2.74	0.7%	2.64	-2.9%	3.38	24.3%	2.49	-8.5%
392	0.97	0.98	1.0%	0.96	-1.0%	1.25	28.9%	0.74	-23.7%
393	0.49	0.5	2.0%	0.49	0.0%	0.62	26.5%	0.36	-26.5%
394	1.84	1.85	0.5%	1.83	-0.5%	2.37	28.8%	1.52	-17.4%
395	2.86	2.87	0.3%	2.85	-0.3%	3.25	13.6%	2.36	-17.5%
396	1.62	1.62	0.0%	1.6	-1.2%	1.97	21.6%	1.42	-12.3%
397	22.49	22.64	0.7%	22.29	-0.9%	27.2	20.9%	20	-11.1%
398	0.53	0.53	0.0%	0.53	0.0%	0.64	20.8%	0.47	-11.3%
399	0.27	0.27	0.0%	0.26	-3.7%	0.26	-3.7%	0.2	-25.9%
400	0.47	0.48	2.1%	0.5	6.4%	0.48	2.1%	0.45	-4.3%
401	3.38	3.55	5.0%	3.35	-0.9%	4.19	24.0%	2.89	-14.5%
402	2.26	2.26	0.0%	2.25	-0.4%	2.54	12.4%	2.33	3.1%
403	1.64	1.65	0.6%	1.63	-0.6%	1.96	19.5%	1.45	-11.6%
404	10.39	10.43	0.4%	10.33	-0.6%	12.09	16.4%	8.66	-16.7%
405	4.52	4.54	0.4%	4.5	-0.4%	5.4	19.5%	4.22	-6.6%
406	3.42	3.43	0.3%	3.41	-0.3%	3.94	15.2%	2.87	-16.1%
407	64.17	64.97	1.2%	63.32	-1.3%	75.53	17.7%	56.66	-11.7%
408	12.52	12.65	1.0%	12.36	-1.3%	13.96	11.5%	10.6	-15.3%
409	12.58	12.71	1.0%	12.4	-1.4%	14.71	16.9%	10.61	-15.7%
410	21.01	21.25	1.1%	20.67	-1.6%	23.78	13.2%	18.74	-10.8%
411	2.11	2.13	0.9%	2.09	-0.9%	2.79	32.2%	1.81	-14.2%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
412	2.82	2.85	1.1%	2.8	-0.7%	3.55	25.9%	2.36	-16.3%
413	2.56	2.58	0.8%	2.54	-0.8%	3.46	35.2%	2.05	-19.9%
414	4.14	4.16	0.5%	4.11	-0.7%	5.07	22.5%	3.62	-12.6%
415	4.18	4.2	0.5%	4.16	-0.5%	5.09	21.8%	4.01	-4.1%
416	1.15	1.15	0.0%	1.14	-0.9%	1.38	20.0%	1.05	-8.7%
417	1.36	1.36	0.0%	1.35	-0.7%	1.6	17.6%	1.09	-19.9%
418	2.44	2.45	0.4%	2.42	-0.8%	3.04	24.6%	1.97	-19.3%
419	8.53	8.6	0.8%	8.44	-1.1%	10.17	19.2%	7.07	-17.1%
420	29.12	29.4	1.0%	28.39	-2.5%	33.2	14.0%	28.2	-3.2%
421	1.06	1.07	0.9%	1.06	0.0%	1.16	9.4%	1.03	-2.8%
422	11.06	11.06	0.0%	11.03	-0.3%	11.75	6.2%	11.06	0.0%
423	5.17	5.17	0.0%	5.16	-0.2%	5.93	14.7%	5.31	2.7%
424	4.19	4.2	0.2%	4.05	-3.3%	5.03	20.0%	4.18	-0.2%
425	1.11	1.11	0.0%	1.11	0.0%	1.15	3.6%	1.11	0.0%
426	1.22	1.23	0.8%	1.21	-0.8%	1.54	26.2%	1.11	-9.0%
427	1.93	1.94	0.5%	1.91	-1.0%	2.43	25.9%	1.43	-25.9%
428	2.22	2.23	0.5%	2.21	-0.5%	2.46	10.8%	2.2	-0.9%
429	34.72	35.07	1.0%	34.35	-1.1%	41.39	19.2%	29.75	-14.3%
430	0.63	0.58	-7.9%	0.63	0.0%	0.65	3.2%	0.5	-20.6%
431	1.68	1.69	0.6%	1.67	-0.6%	2	19.0%	1.59	-5.4%
432	1.16	1.17	0.9%	1.16	0.0%	1.29	11.2%	1.13	-2.6%
433	2.45	2.46	0.4%	2.44	-0.4%	2.55	4.1%	2.02	-17.6%
434	1.71	1.72	0.6%	1.7	-0.6%	2.09	22.2%	1.31	-23.4%
435	0.90	0.9	0.0%	0.9	0.0%	0.98	8.9%	0.77	-14.4%
436	9.02	9.09	0.8%	8.94	-0.9%	10.24	13.5%	7.46	-17.3%
437	8.06	8.12	0.7%	7.98	-1.0%	8.9	10.4%	7.07	-12.3%
438	7.76	7.82	0.8%	7.68	-1.0%	8.71	12.2%	6.51	-16.1%
439	7.63	7.69	0.8%	7.56	-0.9%	8.62	13.0%	6.45	-15.5%
440	6.52	6.57	0.8%	6.46	-0.9%	7.23	10.9%	5.41	-17.0%
441	6.40	6.45	0.8%	6.35	-0.8%	7.13	11.4%	5.35	-16.4%
442	6.05	6.09	0.7%	5.99	-1.0%	7.42	22.6%	5.03	-16.9%
443	9.53	9.61	0.8%	9.43	-1.0%	11.01	15.5%	7.89	-17.2%
444	9.58	9.65	0.7%	9.48	-1.0%	11.09	15.8%	7.95	-17.0%
445	0.80	0.81	1.3%	0.8	0.0%	1.01	26.3%	0.63	-21.3%
446	0.52	0.53	1.9%	0.52	0.0%	0.64	23.1%	0.41	-21.2%
447	2.22	2.23	0.5%	2.2	-0.9%	2.75	23.9%	2.05	-7.7%
448	1.39	1.4	0.7%	1.38	-0.7%	1.75	25.9%	1.24	-10.8%
449	1.21	1.22	0.8%	1.2	-0.8%	1.51	24.8%	0.98	-19.0%
450	0.12	0.12	0.0%	0.11	-8.3%	0.13	8.3%	0.1	-16.7%
451	0.55	0.56	1.8%	0.55	0.0%	0.6	9.1%	0.39	-29.1%
452	0.32	0.32	0.0%	0.32	0.0%	0.35	9.4%	0.23	-28.1%
453	4.04	4.08	1.0%	3.99	-1.2%	4.35	7.7%	3.08	-23.8%
454	0.86	0.86	0.0%	0.85	-1.2%	1.06	23.3%	0.65	-24.4%
455	3.68	3.71	0.8%	3.63	-1.4%	4.41	19.8%	3.13	-14.9%
456	0.16	0.16	0.0%	0.15	-6.3%	0.19	18.8%	0.13	-18.8%
457	0.88	0.89	1.1%	0.87	-1.1%	1.11	26.1%	0.66	-25.0%
458	0.36	0.36	0.0%	0.36	0.0%	0.37	2.8%	0.29	-19.4%
459	1.11	1.12	0.9%	1.11	0.0%	1.21	9.0%	0.82	-26.1%
460	1.75	1.76	0.6%	1.74	-0.6%	2.08	18.9%	1.37	-21.7%
461	2.39	2.4	0.4%	2.38	-0.4%	2.7	13.0%	1.77	-25.9%
462	1.03	1.03	0.0%	1.02	-1.0%	1.32	28.2%	0.82	-20.4%
463	0.43	0.43	0.0%	0.47	9.3%	0.51	18.6%	0.34	-20.9%
464	0.60	0.6	0.0%	0.59	-1.7%	0.69	15.0%	0.46	-23.3%
465	0.21	0.21	0.0%	0.21	0.0%	0.21	0.0%	0.14	-33.3%
466	0.59	0.59	0.0%	0.58	-1.7%	0.75	27.1%	0.47	-20.3%
467	2.38	2.4	0.8%	2.36	-0.8%	2.97	24.8%	1.93	-18.9%
468	1.72	1.73	0.6%	1.71	-0.6%	2.05	19.2%	1.37	-20.3%
469	1.04	1.04	0.0%	1.03	-1.0%	1.23	18.3%	0.94	-9.6%
470	0.62	0.62	0.0%	0.67	8.1%	0.73	17.7%	0.51	-17.7%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
471	0.54	0.5	-7.4%	0.54	0.0%	0.59	9.3%	0.4	-25.9%
472	0.41	0.41	0.0%	0.41	0.0%	0.44	7.3%	0.31	-24.4%
473	0.66	0.66	0.0%	0.66	0.0%	0.72	9.1%	0.53	-19.7%
474	2.20	2.21	0.5%	2.19	-0.5%	2.68	21.8%	1.82	-17.3%
475	1.88	1.89	0.5%	1.86	-1.1%	2.29	21.8%	1.57	-16.5%
476	0.22	0.22	0.0%	0.22	0.0%	0.24	9.1%	0.16	-27.3%
477	0.28	0.28	0.0%	0.28	0.0%	0.31	10.7%	0.25	-10.7%
478	0.59	0.59	0.0%	0.59	0.0%	0.7	18.6%	0.51	-13.6%
479	1.00	1	0.0%	0.99	-1.0%	1.12	12.0%	0.84	-16.0%
480	2.29	2.29	0.0%	2.28	-0.4%	2.67	16.6%	1.74	-24.0%
481	2.56	2.57	0.4%	2.55	-0.4%	2.92	14.1%	2.05	-19.9%
482	0.06	0.06	0.0%	0.06	0.0%	0.07	16.7%	0.05	-16.7%
483	0.20	0.2	0.0%	0.2	0.0%	0.24	20.0%	0.15	-25.0%
484	0.41	0.41	0.0%	0.41	0.0%	0.5	22.0%	0.34	-17.1%
485	1.07	1.07	0.0%	1.06	-0.9%	1.27	18.7%	0.94	-12.1%
486	1.17	1.17	0.0%	1.16	-0.9%	1.33	13.7%	0.85	-27.4%
487	0.22	0.23	4.5%	0.22	0.0%	0.22	0.0%	0.17	-22.7%
488	0.29	0.29	0.0%	0.29	0.0%	0.3	3.4%	0.21	-27.6%
489	2.17	2.18	0.5%	2.15	-0.9%	2.76	27.2%	1.77	-18.4%
490	0.10	0.1	0.0%	0.1	0.0%	0.11	10.0%	0.09	-10.0%
491	0.34	0.34	0.0%	0.34	0.0%	0.43	26.5%	0.26	-23.5%
492	0.69	0.69	0.0%	0.68	-1.4%	0.84	21.7%	0.58	-15.9%
493	0.14	0.12	-14.3%	0.14	0.0%	0.14	0.0%	0.1	-28.6%
494	0.24	0.24	0.0%	0.23	-4.2%	0.29	20.8%	0.17	-29.2%
495	0.34	0.34	0.0%	0.34	0.0%	0.36	5.9%	0.26	-23.5%
496	0.42	0.42	0.0%	0.42	0.0%	0.42	0.0%	0.32	-23.8%
497	0.85	0.86	1.2%	0.85	0.0%	1.11	30.6%	0.65	-23.5%
498	0.44	0.44	0.0%	0.46	4.5%	0.56	27.3%	0.39	-11.4%
499	0.42	0.43	2.4%	0.42	0.0%	0.51	21.4%	0.31	-26.2%
500	0.51	0.51	0.0%	0.51	0.0%	0.51	0.0%	0.38	-25.5%
501	0.53	0.53	0.0%	0.53	0.0%	0.63	18.9%	0.42	-20.8%
502	18.57	18.64	0.4%	18.47	-0.5%	23.22	25.0%	15.69	-15.5%
503	0.70	0.71	1.4%	0.7	0.0%	0.87	24.3%	0.52	-25.7%
504	0.97	0.97	0.0%	0.96	-1.0%	1.19	22.7%	0.81	-16.5%
505	0.38	0.38	0.0%	0.37	-2.6%	0.47	23.7%	0.28	-26.3%
506	0.33	0.33	0.0%	0.33	0.0%	0.35	6.1%	0.25	-24.2%
507	0.49	0.5	2.0%	0.49	0.0%	0.61	24.5%	0.39	-20.4%
508	0.26	0.26	0.0%	0.25	-3.8%	0.31	19.2%	0.2	-23.1%
509	0.76	0.76	0.0%	0.75	-1.3%	0.95	25.0%	0.59	-22.4%
510	2.76	2.77	0.4%	2.74	-0.7%	3.21	16.3%	2.22	-19.6%
511	3.33	3.34	0.3%	3.31	-0.6%	3.97	19.2%	2.81	-15.6%
512	3.50	3.51	0.3%	3.48	-0.6%	4.1	17.1%	3.02	-13.7%
513	1.81	1.81	0.0%	1.8	-0.6%	2.23	23.2%	1.52	-16.0%
514	0.66	0.66	0.0%	0.71	7.6%	0.75	13.6%	0.62	-6.1%
515	0.83	0.84	1.2%	0.83	0.0%	1.02	22.9%	0.7	-15.7%
516	0.35	0.35	0.0%	0.35	0.0%	0.37	5.7%	0.26	-25.7%
517	0.38	0.38	0.0%	0.38	0.0%	0.42	10.5%	0.33	-13.2%
518	0.95	0.96	1.1%	0.94	-1.1%	1.2	26.3%	0.85	-10.5%
519	1.03	1.03	0.0%	1.02	-1.0%	1.29	25.2%	0.76	-26.2%
520	1.47	1.48	0.7%	1.46	-0.7%	1.81	23.1%	1.34	-8.8%
521	0.36	0.36	0.0%	0.35	-2.8%	0.45	25.0%	0.27	-25.0%
522	0.44	0.44	0.0%	0.43	-2.3%	0.55	25.0%	0.33	-25.0%
523	0.50	0.5	0.0%	0.49	-2.0%	0.59	18.0%	0.37	-26.0%
524	0.68	0.69	1.5%	0.68	0.0%	0.81	19.1%	0.57	-16.2%
525	2.29	2.29	0.0%	2.28	-0.4%	2.31	0.9%	2.29	0.0%
526	0.57	0.53	-7.0%	0.56	-1.8%	0.58	1.8%	0.47	-17.5%
527	2.61	2.62	0.4%	2.59	-0.8%	3.12	19.5%	2.06	-21.1%
528	0.46	0.46	0.0%	0.46	0.0%	0.51	10.9%	0.46	0.0%
529	0.15	0.15	0.0%	0.15	0.0%	0.18	20.0%	0.15	0.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
530	1.25	1.25	0.0%	1.24	-0.8%	1.45	16.0%	1.07	-14.4%
531	0.46	0.46	0.0%	0.46	0.0%	0.51	10.9%	0.41	-10.9%
532	0.09	0.09	0.0%	0.09	0.0%	0.1	11.1%	0.08	-11.1%
533	0.93	0.85	-8.6%	0.92	-1.1%	0.99	6.5%	0.69	-25.8%
534	1.37	1.37	0.0%	1.37	0.0%	1.41	2.9%	1.35	-1.5%
535	0.82	0.83	1.2%	0.82	0.0%	1.04	26.8%	0.74	-9.8%
536	0.85	0.86	1.2%	0.84	-1.2%	1.07	25.9%	0.68	-20.0%
537	0.77	0.78	1.3%	0.77	0.0%	0.97	26.0%	0.6	-22.1%
538	0.12	0.12	0.0%	0.11	-8.3%	0.11	-8.3%	0.08	-33.3%
539	0.29	0.29	0.0%	0.29	0.0%	0.3	3.4%	0.2	-31.0%
540	0.44	0.44	0.0%	0.44	0.0%	0.46	4.5%	0.3	-31.8%
541	0.93	0.93	0.0%	0.93	0.0%	1.16	24.7%	0.76	-18.3%
542	0.47	0.48	2.1%	0.47	0.0%	0.57	21.3%	0.37	-21.3%
543	1.95	1.97	1.0%	1.93	-1.0%	2.41	23.6%	1.66	-14.9%
544	0.50	0.51	2.0%	0.5	0.0%	0.62	24.0%	0.37	-26.0%
545	1.00	1.01	1.0%	0.99	-1.0%	1.24	24.0%	0.83	-17.0%
546	1.12	1.13	0.9%	1.11	-0.9%	1.39	24.1%	0.93	-17.0%
547	1.98	1.99	0.5%	1.96	-1.0%	2.48	25.3%	1.6	-19.2%
548	2.08	2.1	1.0%	2.06	-1.0%	2.71	30.3%	1.71	-17.8%
549	1.40	1.41	0.7%	1.38	-1.4%	1.73	23.6%	1.16	-17.1%
550	2.26	2.28	0.9%	2.27	0.4%	2.78	23.0%	1.96	-13.3%
551	5.16	5.22	1.2%	5.11	-1.0%	6.12	18.6%	4.3	-16.7%
552	5.28	5.34	1.1%	5.22	-1.1%	6.23	18.0%	4.39	-16.9%
553	1.83	2.06	12.6%	1.81	-1.1%	2.26	23.5%	1.6	-12.6%
554	0.24	0.24	0.0%	0.24	0.0%	0.29	20.8%	0.18	-25.0%
555	0.78	0.79	1.3%	0.78	0.0%	0.98	25.6%	0.61	-21.8%
556	9.87	9.98	1.1%	9.76	-1.1%	11.51	16.6%	8.11	-17.8%
557	9.11	9.21	1.1%	9.01	-1.1%	10.63	16.7%	7.51	-17.6%
558	1.19	1.2	0.8%	1.18	-0.8%	1.5	26.1%	0.96	-19.3%
559	0.78	0.79	1.3%	0.77	-1.3%	0.97	24.4%	0.67	-14.1%
560	0.55	0.55	0.0%	0.54	-1.8%	0.68	23.6%	0.44	-20.0%
561	0.28	0.25	-10.7%	0.27	-3.6%	0.28	0.0%	0.22	-21.4%
562	0.46	0.46	0.0%	0.45	-2.2%	0.55	19.6%	0.35	-23.9%
563	0.80	0.8	0.0%	0.8	0.0%	0.83	3.7%	0.79	-1.3%
564	0.36	0.36	0.0%	0.36	0.0%	0.41	13.9%	0.35	-2.8%
565	0.90	0.9	0.0%	0.89	-1.1%	1	11.1%	0.64	-28.9%
566	1.34	1.35	0.7%	1.33	-0.7%	1.65	23.1%	1.11	-17.2%
567	1.49	1.5	0.7%	1.48	-0.7%	1.81	21.5%	1.26	-15.4%
568	1.86	1.88	1.1%	1.85	-0.5%	2.32	24.7%	1.58	-15.1%
569	0.30	0.31	3.3%	0.3	0.0%	0.38	26.7%	0.24	-20.0%
570	2.26	2.27	0.4%	2.24	-0.9%	2.69	19.0%	1.91	-15.5%
571	0.30	0.31	3.3%	0.3	0.0%	0.36	20.0%	0.22	-26.7%
572	0.87	0.87	0.0%	0.87	0.0%	0.99	13.8%	0.8	-8.0%
573	1.36	1.37	0.7%	1.36	0.0%	1.45	6.6%	1.35	-0.7%
574	0.61	0.61	0.0%	0.6	-1.6%	0.68	11.5%	0.6	-1.6%
575	0.52	0.53	1.9%	0.52	0.0%	0.65	25.0%	0.38	-26.9%
576	0.23	0.23	0.0%	0.23	0.0%	0.28	21.7%	0.17	-26.1%
577	0.53	0.54	1.9%	0.53	0.0%	0.64	20.8%	0.44	-17.0%
578	0.24	0.24	0.0%	0.24	0.0%	0.29	20.8%	0.19	-20.8%
579	3.03	3.03	0.0%	3.01	-0.7%	3.26	7.6%	2.27	-25.1%
580	0.19	0.19	0.0%	0.19	0.0%	0.23	21.1%	0.14	-26.3%
581	11.80	11.83	0.3%	11.74	-0.5%	13.32	12.9%	10.7	-9.3%
582	0.61	0.61	0.0%	0.61	0.0%	0.71	16.4%	0.5	-18.0%
583	0.47	0.47	0.0%	0.47	0.0%	0.48	2.1%	0.36	-23.4%
584	0.83	0.84	1.2%	0.83	0.0%	0.92	10.8%	0.74	-10.8%
585	2.06	2.07	0.5%	2.05	-0.5%	2.42	17.5%	1.75	-15.0%
586	1.98	1.98	0.0%	1.97	-0.5%	2.32	17.2%	1.63	-17.7%
587	0.40	0.4	0.0%	0.39	-2.5%	0.4	0.0%	0.31	-22.5%
588	0.19	0.19	0.0%	0.19	0.0%	0.19	0.0%	0.14	-26.3%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
589	0.85	0.86	1.2%	0.85	0.0%	1.01	18.8%	0.76	-10.6%
590	1.01	1.01	0.0%	1.06	5.0%	1.21	19.8%	0.94	-6.9%
591	1.47	1.48	0.7%	1.46	-0.7%	1.74	18.4%	1.24	-15.6%
592	0.34	0.34	0.0%	0.37	8.8%	0.38	11.8%	0.3	-11.8%
593	0.34	0.34	0.0%	0.33	-2.9%	0.39	14.7%	0.25	-26.5%
594	0.37	0.37	0.0%	0.37	0.0%	0.44	18.9%	0.27	-27.0%
595	0.97	0.98	1.0%	0.97	0.0%	1.15	18.6%	0.79	-18.6%
596	0.37	0.37	0.0%	0.37	0.0%	0.39	5.4%	0.29	-21.6%
597	0.34	0.34	0.0%	0.34	0.0%	0.38	11.8%	0.34	0.0%
598	0.64	0.64	0.0%	0.64	0.0%	0.7	9.4%	0.63	-1.6%
599	1.36	1.37	0.7%	1.36	0.0%	1.61	18.4%	1.12	-17.6%
600	0.38	0.38	0.0%	0.41	7.9%	0.43	13.2%	0.33	-13.2%
601	0.28	0.29	3.6%	0.28	0.0%	0.33	17.9%	0.21	-25.0%
602	0.69	0.69	0.0%	0.69	0.0%	0.8	15.9%	0.69	0.0%
603	1.37	1.37	0.0%	1.36	-0.7%	1.54	12.4%	1.17	-14.6%
604	3.45	3.6	4.3%	3.44	-0.3%	4.13	19.7%	3.11	-9.9%
605	0.50	0.5	0.0%	0.49	-2.0%	0.57	14.0%	0.49	-2.0%
606	0.27	0.27	0.0%	0.27	0.0%	0.29	7.4%	0.27	0.0%
607	2.47	2.48	0.4%	2.46	-0.4%	2.56	3.6%	2.04	-17.4%
608	0.96	0.96	0.0%	0.95	-1.0%	0.98	2.1%	0.94	-2.1%
609	2.27	2.28	0.4%	2.26	-0.4%	2.36	4.0%	1.9	-16.3%
610	1.21	1.21	0.0%	1.2	-0.8%	1.29	6.6%	1.05	-13.2%
611	0.13	0.13	0.0%	0.13	0.0%	0.14	7.7%	0.12	-7.7%
612	3.75	3.75	0.0%	3.74	-0.3%	4.58	22.1%	3.41	-9.1%
613	0.16	0.16	0.0%	0.16	0.0%	0.16	0.0%	0.13	-18.8%
614	0.88	0.88	0.0%	0.87	-1.1%	0.96	9.1%	0.71	-19.3%
615	0.90	0.91	1.1%	0.9	0.0%	1.06	17.8%	0.78	-13.3%
616	0.20	0.18	-10.0%	0.2	0.0%	0.2	0.0%	0.16	-20.0%
617	0.59	0.59	0.0%	0.58	-1.7%	0.7	18.6%	0.44	-25.4%
618	0.73	0.73	0.0%	0.73	0.0%	0.75	2.7%	0.73	0.0%
619	1.49	1.5	0.7%	1.48	-0.7%	1.84	23.5%	1.27	-14.8%
620	1.82	1.84	1.1%	1.81	-0.5%	2.25	23.6%	1.54	-15.4%
621	0.26	0.26	0.0%	0.26	0.0%	0.28	7.7%	0.25	-3.8%
622	0.47	0.47	0.0%	0.46	-2.1%	0.58	23.4%	0.37	-21.3%
623	0.80	0.8	0.0%	0.79	-1.3%	0.97	21.3%	0.67	-16.3%
624	0.82	0.83	1.2%	0.81	-1.2%	1.01	23.2%	0.7	-14.6%
625	0.89	0.9	1.1%	0.88	-1.1%	1.09	22.5%	0.71	-20.2%
626	2.58	2.6	0.8%	2.55	-1.2%	3.12	20.9%	2.18	-15.5%
627	0.95	0.96	1.1%	0.95	0.0%	1	5.3%	0.76	-20.0%
628	0.49	0.46	-6.1%	0.49	0.0%	0.53	8.2%	0.46	-6.1%
629	0.40	0.4	0.0%	0.39	-2.5%	0.5	25.0%	0.32	-20.0%
630	0.19	0.19	0.0%	0.19	0.0%	0.23	21.1%	0.14	-26.3%
631	0.62	0.62	0.0%	0.61	-1.6%	0.76	22.6%	0.49	-21.0%
632	0.46	0.46	0.0%	0.46	0.0%	0.52	13.0%	0.41	-10.9%
633	0.71	0.71	0.0%	0.7	-1.4%	0.83	16.9%	0.61	-14.1%
634	1.02	1.02	0.0%	1.01	-1.0%	1.11	8.8%	0.93	-8.8%
635	1.40	1.41	0.7%	1.39	-0.7%	1.67	19.3%	1.11	-20.7%
636	0.68	0.68	0.0%	0.73	7.4%	0.76	11.8%	0.62	-8.8%
637	1.02	1.02	0.0%	1.01	-1.0%	1.23	20.6%	0.87	-14.7%
638	0.71	0.72	1.4%	0.71	0.0%	0.84	18.3%	0.65	-8.5%
639	2.01	2.02	0.5%	1.99	-1.0%	2.51	24.9%	1.51	-24.9%
640	0.79	0.79	0.0%	0.78	-1.3%	0.93	17.7%	0.71	-10.1%
641	0.53	0.53	0.0%	0.53	0.0%	0.56	5.7%	0.47	-11.3%
642	1.39	1.39	0.0%	1.38	-0.7%	1.42	2.2%	1.24	-10.8%
643	1.04	1.04	0.0%	1.04	0.0%	1.06	1.9%	1.02	-1.9%
644	2.75	2.75	0.0%	2.74	-0.4%	2.78	1.1%	2.75	0.0%
645	0.80	0.8	0.0%	0.79	-1.3%	0.95	18.8%	0.68	-15.0%
646	2.28	2.29	0.4%	2.27	-0.4%	2.71	18.9%	1.93	-15.4%
647	1.16	1.17	0.9%	1.16	0.0%	1.37	18.1%	0.94	-19.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
648	0.38	0.38	0.0%	0.37	-2.6%	0.39	2.6%	0.29	-23.7%
649	1.41	1.42	0.7%	1.41	0.0%	1.69	19.9%	1.19	-15.6%
650	2.10	2.11	0.5%	2.09	-0.5%	2.49	18.6%	1.68	-20.0%
651	0.60	0.6	0.0%	0.6	0.0%	0.72	20.0%	0.52	-13.3%
652	0.63	0.58	-7.9%	0.62	-1.6%	0.64	1.6%	0.49	-22.2%
653	0.79	0.79	0.0%	0.78	-1.3%	0.86	8.9%	0.71	-10.1%
654	1.02	1.03	1.0%	1.02	0.0%	1.2	17.6%	0.88	-13.7%
655	0.59	0.59	0.0%	0.58	-1.7%	0.7	18.6%	0.46	-22.0%
656	0.33	0.33	0.0%	0.33	0.0%	0.33	0.0%	0.25	-24.2%
657	0.56	0.56	0.0%	0.55	-1.8%	0.57	1.8%	0.46	-17.9%
658	0.23	0.23	0.0%	0.22	-4.3%	0.25	8.7%	0.2	-13.0%
659	0.76	0.77	1.3%	0.76	0.0%	0.86	13.2%	0.64	-15.8%
660	0.47	0.47	0.0%	0.47	0.0%	0.48	2.1%	0.38	-19.1%
661	0.27	0.27	0.0%	0.27	0.0%	0.27	0.0%	0.2	-25.9%
662	1.49	1.5	0.7%	1.48	-0.7%	1.64	10.1%	1.29	-13.4%
663	0.35	0.32	-8.6%	0.35	0.0%	0.36	2.9%	0.28	-20.0%
664	4.06	4.07	0.2%	4.04	-0.5%	4.71	16.0%	3.71	-8.6%
665	2.42	2.43	0.4%	2.4	-0.8%	2.91	20.2%	2.33	-3.7%
666	16.84	16.97	0.8%	16.68	-1.0%	19.47	15.6%	14.08	-16.4%
667	0.73	0.73	0.0%	0.72	-1.4%	0.86	17.8%	0.62	-15.1%
668	0.39	0.39	0.0%	0.39	0.0%	0.39	0.0%	0.3	-23.1%
669	2.65	2.67	0.8%	2.64	-0.4%	3.24	22.3%	2.18	-17.7%
670	2.56	2.44	-4.7%	2.55	-0.4%	3.06	19.5%	2	-21.9%
671	1.48	1.49	0.7%	1.47	-0.7%	1.8	21.6%	1.29	-12.8%
672	4.30	4.32	0.5%	4.26	-0.9%	5.37	24.9%	3.58	-16.7%
673	0.61	0.61	0.0%	0.66	8.2%	0.72	18.0%	0.5	-18.0%
674	0.31	0.31	0.0%	0.31	0.0%	0.33	6.5%	0.23	-25.8%
675	1.00	1	0.0%	0.99	-1.0%	1.24	24.0%	0.74	-26.0%
676	0.60	0.61	1.7%	0.6	0.0%	0.72	20.0%	0.48	-20.0%
677	1.38	1.39	0.7%	1.37	-0.7%	1.75	26.8%	1.12	-18.8%
678	1.83	1.85	1.1%	1.81	-1.1%	2.35	28.4%	1.52	-16.9%
679	2.78	2.81	1.1%	2.75	-1.1%	3.45	24.1%	2.28	-18.0%
680	1.16	1.16	0.0%	1.15	-0.9%	1.32	13.8%	0.81	-30.2%
681	0.31	0.31	0.0%	0.31	0.0%	0.34	9.7%	0.28	-9.7%
682	0.83	0.84	1.2%	0.83	0.0%	0.99	19.3%	0.66	-20.5%
683	8.06	8.12	0.7%	8	-0.7%	9.31	15.5%	6.54	-18.9%
684	0.51	0.51	0.0%	0.5	-2.0%	0.64	25.5%	0.39	-23.5%
685	0.15	0.15	0.0%	0.15	0.0%	0.17	13.3%	0.14	-6.7%
686	0.14	0.14	0.0%	0.14	0.0%	0.15	7.1%	0.13	-7.1%
687	0.26	0.26	0.0%	0.26	0.0%	0.26	0.0%	0.2	-23.1%
688	1.09	1.09	0.0%	1.09	0.0%	1.18	8.3%	0.83	-23.9%
689	0.48	0.49	2.1%	0.48	0.0%	0.6	25.0%	0.39	-18.8%
690	0.58	0.59	1.7%	0.58	0.0%	0.72	24.1%	0.45	-22.4%
691	0.63	0.63	0.0%	0.62	-1.6%	0.77	22.2%	0.51	-19.0%
692	0.17	0.17	0.0%	0.17	0.0%	0.17	0.0%	0.13	-23.5%
693	0.39	0.39	0.0%	0.42	7.7%	0.46	17.9%	0.3	-23.1%
694	2.53	2.54	0.4%	2.51	-0.8%	2.98	17.8%	1.94	-23.3%
695	4.15	4.17	0.5%	4.13	-0.5%	4.97	19.8%	3.2	-22.9%
696	8.59	8.63	0.5%	7.82	-9.0%	9.51	10.7%	6.77	-21.2%
697	0.89	0.89	0.0%	0.88	-1.1%	0.99	11.2%	0.86	-3.4%
698	0.94	0.94	0.0%	0.93	-1.1%	1.05	11.7%	0.9	-4.3%
699	0.23	0.23	0.0%	0.23	0.0%	0.25	8.7%	0.21	-8.7%
700	1.34	1.35	0.7%	1.34	0.0%	1.62	20.9%	1.25	-6.7%
701	1.62	1.62	0.0%	1.61	-0.6%	1.93	19.1%	1.48	-8.6%
702	1.40	1.41	0.7%	1.39	-0.7%	1.66	18.6%	1.22	-12.9%
703	0.84	0.84	0.0%	0.83	-1.2%	1	19.0%	0.74	-11.9%
704	0.22	0.23	4.5%	0.22	0.0%	0.23	4.5%	0.17	-22.7%
705	0.20	0.21	5.0%	0.22	10.0%	0.23	15.0%	0.18	-10.0%
706	0.32	0.32	0.0%	0.31	-3.1%	0.38	18.8%	0.24	-25.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
707	1.42	1.43	0.7%	1.42	0.0%	1.59	12.0%	1.14	-19.7%
708	12.46	12.53	0.6%	12.35	-0.9%	14.99	20.3%	10.27	-17.6%
709	12.70	12.78	0.6%	12.59	-0.9%	15.11	19.0%	10.74	-15.4%
710	12.80	12.88	0.6%	12.69	-0.9%	15.17	18.5%	10.82	-15.5%
711	0.41	0.41	0.0%	0.41	0.0%	0.41	0.0%	0.31	-24.4%
712	0.53	0.53	0.0%	0.57	7.5%	0.6	13.2%	0.5	-5.7%
713	0.63	0.63	0.0%	0.63	0.0%	0.64	1.6%	0.48	-23.8%
714	0.91	0.91	0.0%	0.9	-1.1%	0.99	8.8%	0.76	-16.5%
715	22.59	22.69	0.4%	22.43	-0.7%	26.01	15.1%	19.95	-11.7%
716	0.57	0.57	0.0%	0.57	0.0%	0.69	21.1%	0.47	-17.5%
717	10.99	12.03	9.5%	10.93	-0.5%	13.13	19.5%	9.25	-15.8%
718	1.38	1.39	0.7%	1.38	0.0%	1.64	18.8%	1.31	-5.1%
719	1.09	1.03	-5.5%	1.08	-0.9%	1.29	18.3%	0.86	-21.1%
720	0.47	0.48	2.1%	0.47	0.0%	0.58	23.4%	0.37	-21.3%
721	0.63	0.63	0.0%	0.63	0.0%	0.65	3.2%	0.54	-14.3%
722	0.55	0.55	0.0%	0.54	-1.8%	0.59	7.3%	0.41	-25.5%
723	0.70	0.7	0.0%	0.7	0.0%	0.77	10.0%	0.61	-12.9%
724	0.66	0.66	0.0%	0.65	-1.5%	0.81	22.7%	0.53	-19.7%
725	1.83	1.84	0.5%	1.82	-0.5%	2.3	25.7%	1.49	-18.6%
726	0.63	0.64	1.6%	0.63	0.0%	0.78	23.8%	0.47	-25.4%
727	37.38	37.6	0.6%	37.06	-0.9%	42.65	14.1%	32.49	-13.1%
728	0.28	0.28	0.0%	0.28	0.0%	0.29	3.6%	0.2	-28.6%
729	0.19	0.19	0.0%	0.19	0.0%	0.24	26.3%	0.15	-21.1%
730	0.20	0.2	0.0%	0.2	0.0%	0.22	10.0%	0.18	-10.0%
731	0.49	0.49	0.0%	0.48	-2.0%	0.53	8.2%	0.43	-12.2%
732	1.79	1.8	0.6%	1.78	-0.6%	2.2	22.9%	1.57	-12.3%
733	0.36	0.36	0.0%	0.35	-2.8%	0.4	11.1%	0.29	-19.4%
734	0.24	0.24	0.0%	0.24	0.0%	0.26	8.3%	0.17	-29.2%
735	0.34	0.34	0.0%	0.34	0.0%	0.37	8.8%	0.25	-26.5%
736	1.75	1.77	1.1%	1.73	-1.1%	2.13	21.7%	1.42	-18.9%
737	0.75	0.75	0.0%	0.74	-1.3%	0.94	25.3%	0.58	-22.7%
738	0.82	0.82	0.0%	0.81	-1.2%	1.02	24.4%	0.64	-22.0%
739	0.43	0.43	0.0%	0.42	-2.3%	0.54	25.6%	0.34	-20.9%
740	1.29	1.3	0.8%	1.27	-1.6%	1.6	24.0%	1.06	-17.8%
741	0.24	0.24	0.0%	0.23	-4.2%	0.27	12.5%	0.18	-25.0%
742	0.51	0.51	0.0%	0.5	-2.0%	0.62	21.6%	0.4	-21.6%
743	0.41	0.42	2.4%	0.41	0.0%	0.51	24.4%	0.33	-19.5%
744	0.67	0.68	1.5%	0.67	0.0%	0.82	22.4%	0.5	-25.4%
745	0.25	0.25	0.0%	0.24	-4.0%	0.27	8.0%	0.17	-32.0%
746	0.47	0.47	0.0%	0.47	0.0%	0.51	8.5%	0.33	-29.8%
747	0.57	0.58	1.8%	0.57	0.0%	0.7	22.8%	0.44	-22.8%
748	0.73	0.73	0.0%	0.72	-1.4%	0.91	24.7%	0.57	-21.9%
749	0.44	0.45	2.3%	0.44	0.0%	0.46	4.5%	0.29	-34.1%
750	0.32	0.33	3.1%	0.32	0.0%	0.4	25.0%	0.24	-25.0%
751	0.77	0.77	0.0%	0.76	-1.3%	0.93	20.8%	0.62	-19.5%
752	54.27	54.61	0.6%	53.82	-0.8%	62.89	15.9%	46.58	-14.2%
753	0.60	0.6	0.0%	0.59	-1.7%	0.64	6.7%	0.56	-6.7%
754	1.41	1.41	0.0%	1.41	0.0%	1.47	4.3%	1.41	0.0%
755	2.06	2.06	0.0%	2.06	0.0%	2.28	10.7%	2.06	0.0%
756	0.12	0.12	0.0%	0.12	0.0%	0.13	8.3%	0.08	-33.3%
757	0.04	0.04	0.0%	0.04	0.0%	0.05	25.0%	0.04	0.0%
758	2.76	2.77	0.4%	2.75	-0.4%	3.22	16.7%	2.7	-2.2%
759	0.91	0.92	1.1%	0.91	0.0%	1.15	26.4%	0.68	-25.3%
760	0.59	0.59	0.0%	0.59	0.0%	0.71	20.3%	0.44	-25.4%
761	0.59	0.59	0.0%	0.58	-1.7%	0.72	22.0%	0.47	-20.3%
762	1.08	1.09	0.9%	1.08	0.0%	1.34	24.1%	0.92	-14.8%
763	23.37	23.47	0.4%	23.2	-0.7%	26.89	15.1%	20.64	-11.7%
764	0.48	0.48	0.0%	0.48	0.0%	0.52	8.3%	0.35	-27.1%
765	12.71	12.75	0.3%	11.69	-8.0%	14.09	10.9%	10.34	-18.6%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
766	1.99	2	0.5%	1.97	-1.0%	2.42	21.6%	1.59	-20.1%
767	0.90	0.91	1.1%	0.9	0.0%	1.03	14.4%	0.62	-31.1%
768	0.31	0.31	0.0%	0.31	0.0%	0.34	9.7%	0.28	-9.7%
769	0.40	0.41	2.5%	0.4	0.0%	0.51	27.5%	0.31	-22.5%
770	0.37	0.37	0.0%	0.37	0.0%	0.37	0.0%	0.29	-21.6%
771	0.21	0.21	0.0%	0.21	0.0%	0.23	9.5%	0.19	-9.5%
772	0.71	0.71	0.0%	0.7	-1.4%	0.79	11.3%	0.58	-18.3%
773	0.95	0.96	1.1%	0.95	0.0%	1.03	8.4%	0.86	-9.5%
774	0.41	0.41	0.0%	0.41	0.0%	0.43	4.9%	0.41	0.0%
775	0.76	0.76	0.0%	0.75	-1.3%	0.82	7.9%	0.71	-6.6%
776	0.66	0.66	0.0%	0.66	0.0%	0.72	9.1%	0.65	-1.5%
777	0.55	0.55	0.0%	0.54	-1.8%	0.67	21.8%	0.42	-23.6%
778	1.07	1.08	0.9%	1.06	-0.9%	1.33	24.3%	0.9	-15.9%
779	0.03	0.03	0.0%	0.03	0.0%	0.03	0.0%	0.03	0.0%
780	0.80	0.81	1.3%	0.8	0.0%	1	25.0%	0.65	-18.8%
781	0.22	0.22	0.0%	0.21	-4.5%	0.23	4.5%	0.15	-31.8%
782	0.15	0.15	0.0%	0.15	0.0%	0.16	6.7%	0.1	-33.3%
783	0.24	0.23	-4.2%	0.24	0.0%	0.26	8.3%	0.23	-4.2%
784	0.20	0.2	0.0%	0.2	0.0%	0.22	10.0%	0.2	0.0%
785	0.06	0.06	0.0%	0.06	0.0%	0.07	16.7%	0.06	0.0%
786	0.48	0.49	2.1%	0.48	0.0%	0.52	8.3%	0.45	-6.2%
787	1.45	1.45	0.0%	1.44	-0.7%	1.77	22.1%	1.13	-22.1%
788	0.10	0.1	0.0%	0.1	0.0%	0.11	10.0%	0.1	0.0%
789	0.20	0.2	0.0%	0.2	0.0%	0.21	5.0%	0.14	-30.0%
790	0.41	0.41	0.0%	0.41	0.0%	0.48	17.1%	0.41	0.0%
791	0.24	0.24	0.0%	0.24	0.0%	0.25	4.2%	0.19	-20.8%
792	0.41	0.42	2.4%	0.41	0.0%	0.42	2.4%	0.34	-17.1%
793	0.56	0.57	1.8%	0.56	0.0%	0.68	21.4%	0.47	-16.1%
794	0.29	0.29	0.0%	0.29	0.0%	0.35	20.7%	0.22	-24.1%
795	0.42	0.43	2.4%	0.42	0.0%	0.53	26.2%	0.31	-26.2%
796	0.35	0.36	2.9%	0.35	0.0%	0.44	25.7%	0.26	-25.7%
797	2.26	2.27	0.4%	2.37	4.9%	2.89	27.9%	1.83	-19.0%
798	0.48	0.48	0.0%	0.47	-2.1%	0.6	25.0%	0.38	-20.8%
799	0.39	0.4	2.6%	0.39	0.0%	0.48	23.1%	0.3	-23.1%
800	0.72	0.72	0.0%	0.71	-1.4%	0.85	18.1%	0.64	-11.1%
801	1.98	2	1.0%	1.96	-1.0%	2.47	24.7%	1.68	-15.2%
802	0.11	0.11	0.0%	0.11	0.0%	0.11	0.0%	0.08	-27.3%
803	0.46	0.43	-6.5%	0.46	0.0%	0.5	8.7%	0.35	-23.9%
804	10.25	10.28	0.3%	10.2	-0.5%	12.01	17.2%	9.07	-11.5%
805	9.62	9.66	0.4%	9.56	-0.6%	11.42	18.7%	8.78	-8.7%
806	5.37	5.39	0.4%	5.35	-0.4%	6.56	22.2%	4.8	-10.6%
807	4.88	4.91	0.6%	4.85	-0.6%	6.17	26.4%	4	-18.0%
808	0.83	0.83	0.0%	0.82	-1.2%	0.92	10.8%	0.71	-14.5%
809	0.90	0.9	0.0%	0.9	0.0%	0.92	2.2%	0.9	0.0%
810	2.08	2.1	1.0%	2.07	-0.5%	2.59	24.5%	1.7	-18.3%
811	1.59	1.61	1.3%	1.58	-0.6%	2.03	27.7%	1.28	-19.5%
812	0.43	0.43	0.0%	0.42	-2.3%	0.51	18.6%	0.32	-25.6%
813	1.46	1.47	0.7%	1.45	-0.7%	1.79	22.6%	1.14	-21.9%
814	21.52	21.57	0.2%	21.4	-0.6%	22.68	5.4%	20.33	-5.5%
815	22.24	22.31	0.3%	22.08	-0.7%	24.57	10.5%	20.96	-5.8%
816	0.18	0.18	0.0%	0.18	0.0%	0.19	5.6%	0.13	-27.8%
817	0.47	0.47	0.0%	0.46	-2.1%	0.51	8.5%	0.34	-27.7%
818	187.65	188.75	0.6%	186.06	-0.8%	207.16	10.4%	172.97	-7.8%
819	0.09	0.09	0.0%	0.08	-11.1%	0.09	0.0%	0.09	0.0%
820	1.57	1.58	0.6%	1.56	-0.6%	1.78	13.4%	1.19	-24.2%
821	187.57	188.67	0.6%	185.98	-0.8%	206.83	10.3%	172.44	-8.1%
822	54.37	54.71	0.6%	53.92	-0.8%	60.93	12.1%	46.73	-14.1%
823	1.11	1.12	0.9%	1.1	-0.9%	1.39	25.2%	0.9	-18.9%
824	0.82	0.82	0.0%	0.82	0.0%	1.06	29.3%	0.62	-24.4%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
825	0.10	0.1	0.0%	0.1	0.0%	0.1	0.0%	0.09	-10.0%
826	0.68	0.68	0.0%	0.68	0.0%	0.7	2.9%	0.67	-1.5%
827	0.85	0.86	1.2%	0.85	0.0%	0.94	10.6%	0.83	-2.4%
828	0.99	1	1.0%	0.99	0.0%	1.15	16.2%	0.96	-3.0%
829	2.25	2.26	0.4%	2.24	-0.4%	2.4	6.7%	2.22	-1.3%
830	1.10	1.1	0.0%	1.09	-0.9%	1.29	17.3%	0.9	-18.2%
831	0.50	0.5	0.0%	0.49	-2.0%	0.56	12.0%	0.43	-14.0%
832	0.71	0.71	0.0%	0.71	0.0%	0.78	9.9%	0.59	-16.9%
833	0.41	0.41	0.0%	0.41	0.0%	0.42	2.4%	0.32	-22.0%
834	0.56	0.56	0.0%	0.55	-1.8%	0.56	0.0%	0.43	-23.2%
835	0.14	0.14	0.0%	0.14	0.0%	0.15	7.1%	0.13	-7.1%
836	2.25	2.26	0.4%	2.23	-0.9%	2.84	26.2%	1.82	-19.1%
837	0.86	0.86	0.0%	0.85	-1.2%	1.02	18.6%	0.77	-10.5%
838	0.32	0.32	0.0%	0.32	0.0%	0.36	12.5%	0.28	-12.5%
839	1.24	1.25	0.8%	1.23	-0.8%	1.55	25.0%	1	-19.4%
840	0.36	0.36	0.0%	0.36	0.0%	0.41	13.9%	0.32	-11.1%
841	1.13	1.14	0.9%	1.13	0.0%	1.25	10.6%	0.95	-15.9%
842	0.17	0.17	0.0%	0.17	0.0%	0.19	11.8%	0.16	-5.9%
843	1.99	2	0.5%	1.98	-0.5%	2.46	23.6%	1.59	-20.1%
844	2.44	2.45	0.4%	2.43	-0.4%	2.9	18.9%	1.98	-18.9%
845	3.62	3.64	0.6%	3.59	-0.8%	4.46	23.2%	3.03	-16.3%
846	0.57	0.58	1.8%	0.57	0.0%	0.68	19.3%	0.49	-14.0%
847	1.30	1.31	0.8%	1.29	-0.8%	1.63	25.4%	1.1	-15.4%
848	0.63	0.64	1.6%	0.63	0.0%	0.75	19.0%	0.54	-14.3%
849	0.82	0.82	0.0%	0.81	-1.2%	0.97	18.3%	0.66	-19.5%
850	0.44	0.41	-6.8%	0.44	0.0%	0.48	9.1%	0.33	-25.0%
851	2.45	2.46	0.4%	2.44	-0.4%	3	22.4%	2.06	-15.9%
852	1.25	1.25	0.0%	1.24	-0.8%	1.49	19.2%	1.16	-7.2%
853	1.70	1.71	0.6%	1.69	-0.6%	2.04	20.0%	1.49	-12.4%
854	1.52	1.53	0.7%	1.51	-0.7%	1.79	17.8%	1.24	-18.4%
855	0.36	0.36	0.0%	0.36	0.0%	0.37	2.8%	0.3	-16.7%
856	0.40	0.4	0.0%	0.39	-2.5%	0.44	10.0%	0.37	-7.5%
857	0.04	0.05	25.0%	0.04	0.0%	0.05	25.0%	0.04	0.0%
858	0.17	0.17	0.0%	0.17	0.0%	0.18	5.9%	0.15	-11.8%
859	0.44	0.44	0.0%	0.44	0.0%	0.45	2.3%	0.34	-22.7%
860	0.67	0.67	0.0%	0.67	0.0%	0.79	17.9%	0.58	-13.4%
861	0.49	0.49	0.0%	0.49	0.0%	0.53	8.2%	0.36	-26.5%
862	0.75	0.76	1.3%	0.81	8.0%	0.83	10.7%	0.66	-12.0%
863	0.77	0.78	1.3%	0.77	0.0%	0.91	18.2%	0.68	-11.7%
864	3.26	3.27	0.3%	3.24	-0.6%	3.93	20.6%	2.76	-15.3%
865	3.68	3.7	0.5%	3.66	-0.5%	4.44	20.7%	3.15	-14.4%
866	4.20	4.21	0.2%	4.18	-0.5%	4.8	14.3%	3.42	-18.6%
867	0.87	0.87	0.0%	0.86	-1.1%	1.03	18.4%	0.74	-14.9%
868	0.64	0.65	1.6%	0.64	0.0%	0.77	20.3%	0.54	-15.6%
869	0.37	0.37	0.0%	0.37	0.0%	0.4	8.1%	0.27	-27.0%
870	2.73	2.74	0.4%	2.72	-0.4%	3.23	18.3%	2.08	-23.8%
871	0.12	0.12	0.0%	0.12	0.0%	0.12	0.0%	0.08	-33.3%
872	1.97	1.93	-2.0%	1.96	-0.5%	2.3	16.8%	1.62	-17.8%
873	0.91	0.91	0.0%	0.9	-1.1%	1.08	18.7%	0.77	-15.4%
874	6.82	6.87	0.7%	6.75	-1.0%	8.25	21.0%	5.76	-15.5%
875	6.93	6.98	0.7%	6.86	-1.0%	8.35	20.5%	5.87	-15.3%
876	7.10	7.15	0.7%	7.04	-0.8%	8.51	19.9%	6.04	-14.9%
877	1.33	1.34	0.8%	1.33	0.0%	1.53	15.0%	1.1	-17.3%
878	0.48	0.48	0.0%	0.48	0.0%	0.49	2.1%	0.38	-20.8%
879	11.62	11.67	0.4%	11.56	-0.5%	12.56	8.1%	8.88	-23.6%
880	0.69	0.69	0.0%	0.69	0.0%	0.73	5.8%	0.5	-27.5%
881	0.26	0.26	0.0%	0.26	0.0%	0.27	3.8%	0.18	-30.8%
882	2.83	2.85	0.7%	2.81	-0.7%	3.52	24.4%	2.63	-7.1%
883	2.73	2.74	0.4%	2.71	-0.7%	3.44	26.0%	2.53	-7.3%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
884	14.36	14.48	0.8%	14.23	-0.9%	17.15	19.4%	11.81	-17.8%
885	9.83	9.91	0.8%	9.73	-1.0%	11.77	19.7%	8.2	-16.6%
886	0.74	0.74	0.0%	0.73	-1.4%	0.86	16.2%	0.66	-10.8%
887	0.54	0.55	1.9%	0.58	7.4%	0.6	11.1%	0.49	-9.3%
888	0.72	0.72	0.0%	0.72	0.0%	0.86	19.4%	0.63	-12.5%
889	0.33	0.33	0.0%	0.33	0.0%	0.42	27.3%	0.26	-21.2%
890	0.65	0.65	0.0%	0.65	0.0%	0.77	18.5%	0.53	-18.5%
891	0.97	0.97	0.0%	0.96	-1.0%	1.14	17.5%	0.89	-8.2%
892	3.49	3.5	0.3%	3.47	-0.6%	3.94	12.9%	2.98	-14.6%
893	0.90	0.91	1.1%	0.9	0.0%	1.08	20.0%	0.69	-23.3%
894	1.10	1.1	0.0%	1.09	-0.9%	1.19	8.2%	0.88	-20.0%
895	0.70	0.7	0.0%	0.69	-1.4%	0.76	8.6%	0.63	-10.0%
896	4.26	4.4	3.3%	4.25	-0.2%	5.21	22.3%	3.84	-9.9%
897	1.01	1.01	0.0%	1	-1.0%	1.21	19.8%	0.84	-16.8%
898	0.77	0.78	1.3%	0.77	0.0%	0.93	20.8%	0.68	-11.7%
899	0.15	0.15	0.0%	0.15	0.0%	0.17	13.3%	0.13	-13.3%
900	0.74	0.69	-6.8%	0.74	0.0%	0.75	1.4%	0.58	-21.6%
901	0.70	0.7	0.0%	0.69	-1.4%	0.83	18.6%	0.62	-11.4%
902	0.87	0.88	1.1%	0.87	0.0%	0.98	12.6%	0.73	-16.1%
903	0.59	0.59	0.0%	0.59	0.0%	0.71	20.3%	0.5	-15.3%
904	9.68	9.76	0.8%	9.58	-1.0%	11.61	19.9%	8.09	-16.4%
905	0.50	0.5	0.0%	0.5	0.0%	0.52	4.0%	0.39	-22.0%
906	1.02	1.02	0.0%	1.01	-1.0%	1.2	17.6%	0.78	-23.5%
907	4.51	4.54	0.7%	4.47	-0.9%	5.18	14.9%	3.59	-20.4%
908	2.63	2.65	0.8%	2.62	-0.4%	3.24	23.2%	2.09	-20.5%
909	3.30	3.32	0.6%	3.27	-0.9%	4.11	24.5%	2.76	-16.4%
910	0.81	0.81	0.0%	0.8	-1.2%	0.92	13.6%	0.6	-25.9%
911	0.36	0.36	0.0%	0.36	0.0%	0.41	13.9%	0.32	-11.1%
912	6.08	6.13	0.8%	6.03	-0.8%	7.23	18.9%	5.1	-16.1%
913	0.48	0.48	0.0%	0.47	-2.1%	0.51	6.3%	0.34	-29.2%
914	0.28	0.28	0.0%	0.28	0.0%	0.28	0.0%	0.21	-25.0%
915	0.71	0.66	-7.0%	0.71	0.0%	0.77	8.5%	0.54	-23.9%
916	1.46	1.47	0.7%	1.45	-0.7%	1.75	19.9%	1.15	-21.2%
917	4.36	4.37	0.2%	4.34	-0.5%	4.71	8.0%	4.03	-7.6%
918	2.70	2.7	0.0%	2.69	-0.4%	2.7	0.0%	2.7	0.0%
919	0.57	0.57	0.0%	0.57	0.0%	0.65	14.0%	0.57	0.0%
920	1.07	1.08	0.9%	1.07	0.0%	1.17	9.3%	0.95	-11.2%
921	1.83	1.84	0.5%	1.82	-0.5%	2.05	12.0%	1.54	-15.8%
922	2.42	2.43	0.4%	2.4	-0.8%	2.95	21.9%	2.07	-14.5%
923	1.06	1.07	0.9%	1.06	0.0%	1.28	20.8%	0.89	-16.0%
924	0.96	0.96	0.0%	0.95	-1.0%	1.13	17.7%	0.84	-12.5%
925	4.04	4.06	0.5%	4.02	-0.5%	4.98	23.3%	3.51	-13.1%
926	0.68	0.69	1.5%	0.68	0.0%	0.76	11.8%	0.58	-14.7%
927	1.04	1.05	1.0%	1.04	0.0%	1.16	11.5%	0.96	-7.7%
928	0.38	0.38	0.0%	0.37	-2.6%	0.45	18.4%	0.36	-5.3%
929	0.72	0.72	0.0%	0.71	-1.4%	0.85	18.1%	0.63	-12.5%
930	0.32	0.32	0.0%	0.32	0.0%	0.34	6.3%	0.24	-25.0%
931	2.13	2.14	0.5%	2.11	-0.9%	2.56	20.2%	1.82	-14.6%
932	0.99	1	1.0%	0.98	-1.0%	1.17	18.2%	0.9	-9.1%
933	0.96	0.96	0.0%	0.95	-1.0%	1.14	18.8%	0.81	-15.6%
934	0.88	0.88	0.0%	0.87	-1.1%	1.05	19.3%	0.78	-11.4%
935	2.17	2.18	0.5%	2.16	-0.5%	2.59	19.4%	1.75	-19.4%

Average Differences (All Subcatchments)	**0.5%**		**-0.7%**		**15.8%**		**-15.0%**
Average Differences (Focus Locations)	**0.8%**		**-1.3%**		**14.0%**		**-11.8%**

***	Impervious Continual Loss	Pervious Continual Loss	Impervious Initial Loss	Pervious Initial Loss

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Lower Continual Loss***		Higher Continual Loss***		Lower Storm Loss***		Higher Storm Loss***	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
	Scenario	**mm/hr**		**mm/hr**		**mm**		**Storm Adjustment Factor (%)**	
	Adopted Losses	0		2.5		0		40	
	Lower CL	0		1.5		0		40	
	Higher CL	0.5		3.5		0		40	
	Lower IL	0		2.5		0		60	
	Higher IL	0		2.5		1		20	

Source: RAFTS Sensitivity Results.xlsx

Temporal Pattern Sensitivity Results for the 5% AEP Event

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
1	141.77	125.29	107.57	125.29	-11.6%	148.73	168.25	168.25	18.7%
2	1.11	0.53	0.38	0.53	-52.3%	1.53	0.85	1.53	37.8%
3	1.01	0.54	0.34	0.54	-46.5%	1.5	0.78	1.5	48.5%
4	2.11	1.04	0.76	1.04	-50.7%	2.88	1.71	2.88	36.5%
5	2.46	1.23	0.88	1.23	-50.0%	3.06	1.92	3.06	24.4%
6	6.03	3.65	2.64	3.65	-39.5%	7.93	5.63	7.93	31.5%
7	7.22	4	3.19	4	-44.6%	8.71	6.8	8.71	20.6%
8	7.47	4.64	3.48	4.64	-37.9%	9.21	7.36	9.21	23.3%
9	1.04	0.7	0.32	0.7	-32.7%	1.49	0.74	1.49	43.3%
10	9.94	4.99	3.79	4.99	-49.8%	12.71	8.32	12.71	27.9%
11	1.01	0.54	0.34	0.54	-46.5%	1.5	0.78	1.5	48.5%
12	4.18	2.04	1.43	2.04	-51.2%	5.41	3.23	5.41	29.4%
13	0.68	0.38	0.28	0.38	-44.1%	0.9	0.62	0.9	32.4%
14	0.91	0.5	0.37	0.5	-45.1%	1.22	0.83	1.22	34.1%
15	2.17	1.15	0.91	1.15	-47.0%	2.84	2	2.84	30.9%
16	15.44	8.53	7.03	8.53	-44.8%	17.98	14.82	17.98	16.5%
17	1.06	0.69	0.27	0.69	-34.9%	1.18	0.61	1.18	11.3%
18	3.87	2.73	1.14	2.73	-29.5%	4.66	2.58	4.66	20.4%
19	1.19	0.81	0.64	0.81	-31.9%	1.19	1.28	1.28	7.6%
20	5.63	2.88	2.02	2.88	-48.8%	6.88	4.47	6.88	22.2%
21	6.76	3.76	3.18	3.76	-44.4%	6.93	6.45	6.93	2.5%
22	17.12	9.56	8.04	9.56	-44.2%	19.29	16.65	19.29	12.7%
23	1.54	1.01	0.72	1.01	-34.4%	1.98	1.52	1.98	28.6%
24	6.66	3.37	2.65	3.37	-49.4%	8.05	5.74	8.05	20.9%
25	7.89	4.05	3.34	4.05	-48.7%	9.3	7.1	9.3	17.9%
26	11.68	5.94	4.66	5.94	-49.1%	14.31	9.99	14.31	22.5%
27	1.33	0.86	0.41	0.86	-35.3%	1.88	0.94	1.88	41.4%
28	1.28	0.86	0.39	0.86	-32.8%	1.62	0.87	1.62	26.6%
29	5.43	4.18	1.83	4.18	-23.0%	6.53	3.95	6.53	20.3%
30	1.37	0.71	0.51	0.71	-48.2%	1.9	1.14	1.9	38.7%
31	21.76	13.41	11.4	13.41	-38.4%	25.86	23.31	25.86	18.8%
32	1.63	1.08	0.37	1.08	-33.7%	1.68	0.85	1.68	3.1%
33	7.21	5.13	2.43	5.13	-28.8%	8.53	5.26	8.53	18.3%
34	15.35	11.45	11.04	11.45	-25.4%	14.74	15.58	15.58	1.5%
35	1.23	0.68	0.5	0.68	-44.7%	1.73	1.11	1.73	40.7%
36	4.65	2.45	1.83	2.45	-47.3%	5.96	3.97	5.96	28.2%
37	2.04	1.16	0.8	1.16	-43.1%	2.79	1.76	2.79	36.8%
38	2.54	1.23	0.93	1.23	-51.6%	3.2	2.03	3.2	26.0%
39	6.11	3.22	2.47	3.22	-47.3%	7.83	5.37	7.83	28.2%
40	23.94	14.22	12.02	14.22	-40.6%	26.15	24.19	26.15	9.2%
41	1.02	0.71	0.31	0.71	-30.4%	1.36	0.71	1.36	33.3%
42	27.64	17.56	14.68	17.56	-36.5%	28.14	28.65	28.65	3.7%
43	1.83	1.21	0.47	1.21	-33.9%	2.02	1.06	2.02	10.4%
44	15.36	11.46	11.07	11.46	-25.4%	14.75	15.59	15.59	1.5%
45	0.98	0.53	0.38	0.53	-45.9%	1.37	0.85	1.37	39.8%
46	27.85	18.06	15.02	18.06	-35.2%	28.2	28.95	28.95	3.9%
47	0.77	0.43	0.32	0.43	-44.2%	1.09	0.71	1.09	41.6%
48	1.38	0.85	0.54	0.85	-38.4%	1.96	1.2	1.96	42.0%
49	0.90	0.47	0.33	0.47	-47.8%	1.36	0.75	1.36	51.1%
50	2.95	1.57	1.18	1.57	-46.8%	3.93	2.6	3.93	33.2%
51	1.82	1.21	0.38	1.21	-33.5%	1.72	0.86	1.72	-5.5%
52	3.00	2.05	1.01	2.05	-31.7%	3.85	2.21	3.85	28.3%
53	2.80	1.99	0.89	1.99	-28.9%	3.47	2	3.47	23.9%
54	28.66	19.06	15.82	19.06	-33.5%	28.51	29.81	29.81	4.0%
55	1.85	1.22	0.41	1.22	-34.1%	1.84	0.93	1.84	-0.5%
56	4.97	3.48	1.53	3.48	-30.0%	6.03	3.39	6.03	21.3%
57	6.99	4.9	2.05	4.9	-29.9%	8.24	4.59	8.24	17.9%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
58	15.33	11.64	11.72	11.72	-23.5%	14.53	15.96	15.96	4.1%
59	2.89	1.89	0.62	1.89	-34.6%	2.71	1.4	2.71	-6.2%
60	17.73	14.05	13.54	14.05	-20.8%	15.47	19.12	19.12	7.8%
61	3.27	1.67	1.25	1.67	-48.9%	4.08	2.67	4.08	24.8%
62	4.98	2.7	2.09	2.7	-45.8%	6.19	4.5	6.19	24.3%
63	1.34	0.76	0.56	0.76	-43.3%	1.89	1.23	1.89	41.0%
64	9.42	4.97	3.94	4.97	-47.2%	11.07	8.29	11.07	17.5%
65	0.75	0.39	0.29	0.39	-48.0%	1.04	0.63	1.04	38.7%
66	28.10	20.65	17.06	20.65	-26.5%	28.79	30.92	30.92	10.0%
67	0.84	0.44	0.3	0.44	-47.6%	1.26	0.69	1.26	50.0%
68	1.17	0.62	0.45	0.62	-47.0%	1.65	1	1.65	41.0%
69	10.80	6.44	5.35	6.44	-40.4%	12.77	10.97	12.77	18.2%
70	28.36	20.89	17.32	20.89	-26.3%	28.84	31.15	31.15	9.8%
71	1.36	0.9	0.37	0.9	-33.8%	1.58	0.84	1.58	16.2%
72	36.27	26.68	22.48	26.68	-26.4%	36.86	40.88	40.88	12.7%
73	1.78	1.15	0.63	1.15	-35.4%	2.46	1.42	2.46	38.2%
74	9.69	5.66	4.56	5.66	-41.6%	12.08	9.52	12.08	24.7%
75	1.41	0.91	0.3	0.91	-35.5%	1.37	0.68	1.37	-2.8%
76	5.04	3.54	1.27	3.54	-29.8%	5.17	2.86	5.17	2.6%
77	6.52	4.69	1.71	4.69	-28.1%	7.17	3.87	7.17	10.0%
78	19.79	15.39	14.73	15.39	-22.2%	19.23	21.17	21.17	7.0%
79	1.49	1.21	0.53	1.21	-18.8%	1.75	1.1	1.75	17.4%
80	36.78	27.1	23.13	27.1	-26.3%	37.11	41.61	41.61	13.1%
81	1.55	1	0.36	1	-35.5%	1.59	0.81	1.59	2.6%
82	21.50	17.92	16.42	17.92	-16.7%	25.7	23.98	25.7	19.5%
83	1.00	0.85	0.72	0.85	-15.0%	1.03	1.04	1.04	4.0%
84	2.67	1.45	0.92	1.45	-45.7%	3.4	2.07	3.4	27.3%
85	1.23	0.84	0.43	0.84	-31.7%	1.6	0.95	1.6	30.1%
86	2.12	1.24	0.96	1.24	-41.5%	2.81	2.04	2.81	32.5%
87	1.11	0.81	0.29	0.81	-27.0%	1.36	0.67	1.36	22.5%
88	37.45	27.7	23.84	27.7	-26.0%	37.52	42.55	42.55	13.6%
89	0.97	0.54	0.32	0.54	-44.3%	1.34	0.71	1.34	38.1%
90	38.41	26.79	23.91	26.79	-30.3%	34.19	42.06	42.06	9.5%
91	1.22	0.83	0.32	0.83	-32.0%	1.45	0.73	1.45	18.9%
92	3.85	2.59	1.89	2.59	-32.7%	4.8	3.69	4.8	24.7%
93	2.68	2.03	1.38	2.03	-24.3%	3.21	2.74	3.21	19.8%
94	38.56	26.87	24.13	26.87	-30.3%	34.22	42.26	42.26	9.6%
95	1.72	1.11	0.36	1.11	-35.5%	1.63	0.81	1.63	-5.2%
96	1.97	1.27	0.39	1.27	-35.5%	1.82	0.9	1.82	-7.6%
97	1.77	1.15	0.42	1.15	-35.0%	1.91	0.96	1.91	7.9%
98	22.02	20.9	20.9	20.9	-5.1%	21.53	22.12	22.12	0.5%
99	1.52	1.09	0.45	1.09	-28.3%	1.95	1	1.95	28.3%
100	40.55	28.04	25.53	28.04	-30.9%	35.16	44.54	44.54	9.8%
101	1.30	0.96	0.36	0.96	-26.2%	1.66	0.82	1.66	27.7%
102	5.71	3.53	2.95	3.53	-38.2%	5.96	5.93	5.96	4.4%
103	3.98	2.58	0.82	2.58	-35.2%	3.68	1.87	3.68	-7.5%
104	4.83	3.12	1.02	3.12	-35.4%	4.51	2.33	4.51	-6.6%
105	1.37	0.89	0.29	0.89	-35.0%	1.37	0.67	1.37	0.0%
106	0.00	0	0	0	0.0%	0	0	0	0.0%
107	1.59	1.25	0.5	1.25	-21.4%	2.12	1.12	2.12	33.3%
108	6.34	4.09	3.34	4.09	-35.5%	6.07	6.62	6.62	4.4%
109	1.41	0.91	0.35	0.91	-35.5%	1.53	0.79	1.53	8.5%
110	0.00	0	0	0	0.0%	0	0	0	0.0%
111	1.63	1.11	0.45	1.11	-31.9%	1.88	1.01	1.88	15.3%
112	40.96	28.12	26.2	28.12	-31.3%	35.18	45.09	45.09	10.1%
113	1.24	0.74	0.48	0.74	-40.3%	1.69	1.05	1.69	36.3%
114	1.76	1	0.59	1	-43.2%	2.51	1.35	2.51	42.6%
115	1.23	0.88	0.39	0.88	-28.5%	1.68	0.89	1.68	36.6%
116	10.67	7.64	3.01	7.64	-28.4%	12.06	6.72	12.06	13.0%
117	24.89	23.12	21.29	23.12	-7.1%	25.38	25.41	25.41	2.1%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
118	41.12	28.17	26.56	28.17	-31.5%	35.2	45.36	45.36	10.3%
119	2.07	1.52	0.59	1.52	-26.6%	2.64	1.34	2.64	27.5%
120	4.72	3.52	1.69	3.52	-25.4%	5.55	3.64	5.55	17.6%
121	7.36	5.83	2.89	5.83	-20.8%	9.35	6.22	9.35	27.0%
122	7.06	5.35	4.34	5.35	-24.2%	6.17	8.51	8.51	20.5%
123	11.19	8.84	3.74	8.84	-21.0%	13.62	8.17	13.62	21.7%
124	0.00	0	0	0	0.0%	0	0	0	0.0%
125	1.98	1.41	0.52	1.41	-28.8%	2.33	1.19	2.33	17.7%
126	62.80	41.83	45.46	45.46	-27.6%	49.85	68.4	68.4	8.9%
127	2.59	1.74	0.84	1.74	-32.8%	3.53	1.89	3.53	36.3%
128	6.07	3.32	2.22	3.32	-45.3%	7.53	4.93	7.53	24.1%
129	2.15	1.45	0.73	1.45	-32.6%	3.03	1.63	3.03	40.9%
130	68.03	42.68	49.52	49.52	-27.2%	50.07	73.38	73.38	7.9%
131	4.04	2.99	1.31	2.99	-26.0%	5.17	2.94	5.17	28.0%
132	12.47	8.94	7.23	8.94	-28.3%	13.45	14.32	14.32	14.8%
133	3.21	2.26	0.9	2.26	-29.6%	4.1	2.06	4.1	27.7%
134	14.20	9.67	8.51	9.67	-31.9%	14.65	16.58	16.58	16.8%
135	2.25	1.51	0.56	1.51	-32.9%	2.49	1.26	2.49	10.7%
136	2.04	1.38	0.66	1.38	-32.4%	2.55	1.47	2.55	25.0%
137	1.42	1.02	0.4	1.02	-28.2%	1.83	0.91	1.83	28.9%
138	15.78	10.71	9.57	10.71	-32.1%	15.81	18.41	18.41	16.7%
139	12.79	8.8	4.87	8.8	-31.2%	15.8	10.89	15.8	23.5%
140	1.14	0.75	0.29	0.75	-34.2%	1.32	0.66	1.32	15.8%
141	16.28	11.41	10.03	11.41	-29.9%	16.97	19.12	19.12	17.4%
142	0.71	0.53	0.17	0.53	-25.4%	0.78	0.38	0.78	9.9%
143	16.49	12.41	10.77	12.41	-24.7%	18.22	20.04	20.04	21.5%
144	16.92	12.96	11.27	12.96	-23.4%	19.05	20.73	20.73	22.5%
145	69.31	42.79	50.48	50.48	-27.2%	52.57	74.66	74.66	7.7%
146	3.16	2.36	1	2.36	-25.3%	4.15	2.25	4.15	31.3%
147	3.87	2.97	1.05	2.97	-23.3%	3.87	2.26	3.87	0.0%
148	1.18	0.83	0.34	0.83	-29.7%	1.45	0.76	1.45	22.9%
149	2.58	1.76	0.76	1.76	-31.8%	3.18	1.71	3.18	23.3%
150	4.11	2.91	1.24	2.91	-29.2%	5.13	2.79	5.13	24.8%
151	7.26	5.69	2.3	5.69	-21.6%	8.5	5.02	8.5	17.1%
152	0.99	0.74	0.29	0.74	-25.3%	1.35	0.66	1.35	36.4%
153	3.31	2.22	2.46	2.46	-25.7%	2.22	3.71	3.71	12.1%
154	5.03	3.62	1.05	3.62	-28.0%	4.85	2.35	4.85	-3.6%
155	84.22	52.53	61.82	61.82	-26.6%	71.76	96.1	96.1	14.1%
156	1.80	1.21	0.36	1.21	-32.8%	1.68	0.78	1.68	-6.7%
157	3.30	2.4	0.7	2.4	-27.3%	3.17	1.55	3.17	-3.9%
158	1.53	1.07	0.53	1.07	-30.1%	1.99	1.17	1.99	30.1%
159	85.28	52.58	62.49	62.49	-26.7%	72.21	97.07	97.07	13.8%
160	2.56	1.91	0.71	1.91	-25.4%	3.22	1.6	3.22	25.8%
161	3.26	2.43	0.99	2.43	-25.5%	4.03	2.19	4.03	23.6%
162	11.19	9.24	3.8	9.24	-17.4%	13.41	8.23	13.41	19.8%
163	85.73	52.64	62.8	62.8	-26.7%	72.65	97.59	97.59	13.8%
164	1.52	1.07	0.42	1.07	-29.6%	1.86	0.95	1.86	22.4%
165	11.93	8.95	5.43	8.95	-25.0%	13.33	9	13.33	11.7%
166	7.34	5.23	2.3	5.23	-28.7%	8.64	4.97	8.64	17.7%
167	11.66	8.68	5.31	8.68	-25.6%	13.16	8.78	13.16	12.9%
168	1.06	0.79	0.34	0.79	-25.5%	1.52	0.77	1.52	43.4%
169	1.27	0.96	0.38	0.96	-24.4%	1.77	0.87	1.77	39.4%
170	2.32	1.68	0.72	1.68	-27.6%	3.3	1.65	3.3	42.2%
171	13.47	10.25	5.98	10.25	-23.9%	14.8	10.05	14.8	9.9%
172	1.59	0.9	0.6	0.9	-43.4%	2.13	1.32	2.13	34.0%
173	2.28	1.46	0.73	1.46	-36.0%	3.19	1.66	3.19	39.9%
174	88.12	59.05	65.93	65.93	-25.2%	79.8	103.2	103.2	17.1%
175	4.21	2.56	1.65	2.56	-39.2%	5.61	3.56	5.61	33.3%
176	1.25	0.64	0.45	0.64	-48.8%	1.64	0.99	1.64	31.2%
177	1.63	0.92	0.59	0.92	-43.6%	2.29	1.3	2.29	40.5%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
178	3.05	1.57	1.05	1.57	-48.5%	3.82	2.29	3.82	25.2%
179	4.04	3.14	1.22	3.14	-22.3%	5.04	2.65	5.04	24.8%
180	1.18	0.83	0.33	0.83	-29.7%	1.54	0.76	1.54	30.5%
181	90.01	61.53	67.22	67.22	-25.3%	82.89	105.27	105.27	17.0%
182	1.45	0.96	0.38	0.96	-33.8%	1.71	0.87	1.71	17.9%
183	3.57	2.41	1.21	2.41	-32.5%	4.46	2.69	4.46	24.9%
184	0.94	0.62	0.2	0.62	-34.0%	0.95	0.47	0.95	1.1%
185	6.47	4.28	2.16	4.28	-33.8%	7.87	4.7	7.87	21.6%
186	1.37	0.8	0.46	0.8	-41.6%	1.89	1.03	1.89	38.0%
187	1.49	0.87	0.54	0.87	-41.6%	2.01	1.2	2.01	34.9%
188	1.28	0.76	0.45	0.76	-40.6%	1.73	1.02	1.73	35.2%
189	3.09	1.83	1.12	1.83	-40.8%	4.06	2.45	4.06	31.4%
190	1.21	0.88	0.35	0.88	-27.3%	1.57	0.79	1.57	29.8%
191	90.14	61.84	67.41	67.41	-25.2%	83	105.52	105.52	17.1%
192	8.62	6.43	3.08	6.43	-25.4%	9.7	6.55	9.7	12.5%
193	15.07	12.86	7.44	12.86	-14.7%	17.45	12.7	17.45	15.8%
194	1.33	0.98	0.4	0.98	-26.3%	1.77	0.89	1.77	33.1%
195	6.65	5.13	1.67	5.13	-22.9%	7.13	3.69	7.13	7.2%
196	1.49	1.1	0.45	1.1	-26.2%	1.86	1	1.86	24.8%
197	23.11	18.91	10.75	18.91	-18.2%	27.5	19.58	27.5	19.0%
198	7.78	6.44	2.29	6.44	-17.2%	8.88	5.01	8.88	14.1%
199	90.29	62.23	67.64	67.64	-25.1%	83.11	105.83	105.83	17.2%
200	0.99	0.55	0.32	0.55	-44.4%	1.43	0.73	1.43	44.4%
201	23.60	19.6	11.21	19.6	-16.9%	28.25	20.51	28.25	19.7%
202	7.30	5.03	2.75	5.03	-31.1%	9.39	5.85	9.39	28.6%
203	24.19	20.01	11.5	20.01	-17.3%	28.58	21.1	28.58	18.1%
204	6.56	4.06	2.99	4.06	-38.1%	7.76	6.11	7.76	18.3%
205	91.47	64.81	69.11	69.11	-24.4%	83.87	107.72	107.72	17.8%
206	1.08	0.61	0.37	0.61	-43.5%	1.59	0.83	1.59	47.2%
207	32.05	25.22	14.46	25.22	-21.3%	37.77	27.32	37.77	17.8%
208	1.53	0.95	0.56	0.95	-37.9%	2.01	1.2	2.01	31.4%
209	95.55	68.46	71.82	71.82	-24.8%	90.98	112.58	112.58	17.8%
210	1.07	0.79	0.31	0.79	-26.2%	1.45	0.72	1.45	35.5%
211	96.01	69.04	72.31	72.31	-24.7%	91.23	113.18	113.18	17.9%
212	2.11	1.51	0.49	1.51	-28.4%	2.24	1.08	2.24	6.2%
213	33.37	26.46	15.8	26.46	-20.7%	38.24	29.54	38.24	14.6%
214	2.26	1.63	0.8	1.63	-27.9%	3	1.62	3	32.7%
215	96.22	69.26	72.49	72.49	-24.7%	91.27	113.38	113.38	17.8%
216	33.99	26.88	16.33	26.88	-20.9%	38.3	30.31	38.3	12.7%
217	96.87	70.2	73.27	73.27	-24.4%	91.68	114.34	114.34	18.0%
218	0.17	0.03	0.11	0.11	-35.3%	0.03	0.11	0.11	-35.3%
219	2.15	1.54	0.65	1.54	-28.4%	2.91	1.49	2.91	35.3%
220	1.38	0.89	0.31	0.89	-35.5%	1.39	0.71	1.39	0.7%
221	2.31	1.52	0.53	1.52	-34.2%	2.28	1.2	2.28	-1.3%
222	6.01	4.25	1.73	4.25	-29.3%	6.55	3.74	6.55	9.0%
223	5.35	4.36	1.81	4.36	-18.5%	6.26	3.94	6.26	17.0%
224	1.94	1.44	0.57	1.44	-25.8%	2.36	1.26	2.36	21.6%
225	2.49	1.72	0.65	1.72	-30.9%	2.71	1.47	2.71	8.8%
226	1.58	1.11	0.45	1.11	-29.7%	1.93	1	1.93	22.2%
227	4.48	3.04	1.23	3.04	-32.1%	5.09	2.76	5.09	13.6%
228	1.09	0.74	0.3	0.74	-32.1%	1.3	0.67	1.3	19.3%
229	5.74	4.08	1.68	4.08	-28.9%	6.87	3.72	6.87	19.7%
230	2.77	1.95	0.77	1.95	-29.6%	3.11	1.71	3.11	12.3%
231	11.26	10.22	4.48	10.22	-9.2%	13.9	9.38	13.9	23.4%
232	1.19	0.72	0.4	0.72	-39.5%	1.7	0.91	1.7	42.9%
233	20.02	19.14	9.02	19.14	-4.4%	22.32	17.81	22.32	11.5%
234	0.41	0.24	0.37	0.37	-9.8%	0.47	0.37	0.47	14.6%
235	122.12	95.51	89.5	95.51	-21.8%	128.96	144.71	144.71	18.5%
236	0.86	0.57	0.2	0.57	-33.7%	0.9	0.46	0.9	4.7%
237	20.91	20.24	9.71	20.24	-3.2%	23.01	18.81	23.01	10.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
238	2.57	1.32	0.87	1.32	-48.6%	3.21	1.96	3.21	24.9%
239	0.41	0.24	0.37	0.37	-9.8%	0.47	0.37	0.47	14.6%
240	1.97	1.27	0.34	1.27	-35.5%	1.55	0.75	1.55	-21.3%
241	13.80	12.56	5.69	12.56	-9.0%	16.33	11.76	16.33	18.3%
242	7.60	6.23	2.62	6.23	-18.0%	8.99	5.72	8.99	18.3%
243	15.11	13.55	6.35	13.55	-10.3%	16.51	12.74	16.51	9.3%
244	1.58	1.05	0.52	1.05	-33.5%	2.15	1.16	2.15	36.1%
245	122.86	96.96	90.55	96.96	-21.1%	129.3	145.81	145.81	18.7%
246	1.71	1.1	0.31	1.1	-35.7%	1.42	0.71	1.42	-17.0%
247	3.10	2.03	0.53	2.03	-34.5%	2.42	1.16	2.42	-21.9%
248	1.66	1.09	0.34	1.09	-34.3%	1.54	0.77	1.54	-7.2%
249	6.13	3.93	1.09	3.93	-35.9%	4.86	2.4	4.86	-20.7%
250	21.72	21.23	10.81	21.23	-2.3%	23.48	20.22	23.48	8.1%
251	122.93	97.86	90.87	97.86	-20.4%	129.34	146.09	146.09	18.8%
252	3.56	2.31	0.61	2.31	-35.1%	2.77	1.37	2.77	-22.2%
253	10.33	8.73	3.47	8.73	-15.5%	10.8	7.18	10.8	4.5%
254	1.83	1.27	0.59	1.27	-30.6%	2.43	1.32	2.43	32.8%
255	136.19	112.29	100.58	112.29	-17.5%	145.25	161.42	161.42	18.5%
256	7.97	5.52	1.57	5.52	-30.7%	6.89	3.49	6.89	-13.6%
257	10.78	10.1	4.49	10.1	-6.3%	10.9	8.29	10.9	1.1%
258	15.03	12.68	6.58	12.68	-15.6%	14.89	11.91	14.89	-0.9%
259	136.28	113.62	101.11	113.62	-16.6%	145.3	161.74	161.74	18.7%
260	3.21	2.37	0.87	2.37	-26.2%	3.68	1.94	3.68	14.6%
261	3.58	2.62	1.22	2.62	-26.8%	4.21	2.67	4.21	17.6%
262	6.66	5.55	2.35	5.55	-16.7%	8.01	5.02	8.01	20.3%
263	141.50	121.94	105.88	121.94	-13.8%	148.57	167.48	167.48	18.4%
264	1.03	0.65	0.34	0.65	-36.9%	1.52	0.79	1.52	47.6%
265	2.11	1.04	0.77	1.04	-50.7%	2.84	1.72	2.84	34.6%
266	1.21	0.63	0.44	0.63	-47.9%	1.82	1.01	1.82	50.4%
267	3.15	1.82	1.26	1.82	-42.2%	4.03	2.69	4.03	27.9%
268	1.00	0.54	0.36	0.54	-46.0%	1.47	0.81	1.47	47.0%
269	2.00	1	0.73	1	-50.0%	2.75	1.64	2.75	37.5%
270	1.25	0.61	0.41	0.61	-51.2%	1.65	0.93	1.65	32.0%
271	4.44	2.65	1.84	2.65	-40.3%	6.19	3.99	6.19	39.4%
272	2.19	1.3	1.01	1.3	-40.6%	2.8	2.18	2.8	27.9%
273	3.05	1.5	1.14	1.5	-50.8%	3.88	2.48	3.88	27.2%
274	1.15	0.62	0.41	0.62	-46.1%	1.68	0.93	1.68	46.1%
275	4.70	2.33	1.69	2.33	-50.4%	6.12	3.72	6.12	30.2%
276	0.44	0.29	0.12	0.29	-34.1%	0.56	0.28	0.56	27.3%
277	5.95	2.97	2.12	2.97	-50.1%	7.86	4.7	7.86	32.1%
278	3.53	1.85	1.37	1.85	-47.6%	4.49	2.99	4.49	27.2%
279	6.41	3.18	2.35	3.18	-50.4%	8.37	5.18	8.37	30.6%
280	1.48	0.92	0.7	0.92	-37.8%	1.93	1.5	1.93	30.4%
281	5.65	3.05	2.4	3.05	-46.0%	7.01	5.15	7.01	24.1%
282	1.91	0.96	0.69	0.96	-49.7%	2.64	1.55	2.64	38.2%
283	4.51	2.51	2.04	2.51	-44.3%	5.74	4.34	5.74	27.3%
284	2.59	1.4	1.03	1.4	-45.9%	3.53	2.26	3.53	36.3%
285	0.99	0.53	0.36	0.53	-46.5%	1.47	0.82	1.47	48.5%
286	6.08	3.31	2.29	3.31	-45.6%	7.62	4.99	7.62	25.3%
287	5.44	3.2	2.68	3.2	-41.2%	6.47	5.54	6.47	18.9%
288	15.40	8.48	6.98	8.48	-44.9%	17.97	14.73	17.97	16.7%
289	1.81	1.1	0.83	1.1	-39.2%	2.25	1.79	2.25	24.3%
290	1.24	0.75	0.56	0.75	-39.5%	1.47	1.19	1.47	18.5%
291	1.84	1.01	0.76	1.01	-45.1%	2.48	1.66	2.48	34.8%
292	17.12	9.55	8.03	9.55	-44.2%	19.29	16.64	19.29	12.7%
293	6.57	3.63	3.08	3.63	-44.7%	6.83	6.28	6.83	4.0%
294	11.27	5.71	4.45	5.71	-49.3%	13.94	9.58	13.94	23.7%
295	15.36	11.45	11.05	11.45	-25.5%	14.74	15.58	15.58	1.4%
296	23.13	21.77	21.09	21.77	-5.9%	22.83	23.36	23.36	1.0%
297	23.84	22.07	21.14	22.07	-7.4%	23.9	24.13	24.13	1.2%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
298	10.41	7.27	2.64	7.27	-30.2%	10.69	5.89	10.69	2.7%
299	0.99	0.85	0.72	0.85	-14.1%	1.02	1.04	1.04	5.1%
300	2.21	1.11	0.73	1.11	-49.8%	2.81	1.63	2.81	27.1%
301	3.72	2.08	1.35	2.08	-44.1%	5.16	3.03	5.16	38.7%
302	9.92	5.68	3.6	5.68	-42.7%	12.16	7.97	12.16	22.6%
303	3.57	2.23	1.17	2.23	-37.5%	4.2	2.57	4.2	17.6%
304	2.35	1.65	0.75	1.65	-29.8%	3.29	1.68	3.29	40.0%
305	6.80	5.49	2.59	5.49	-19.3%	8.83	5.68	8.83	29.9%
306	5.02	3.04	1.9	3.04	-39.4%	6.62	4.1	6.62	31.9%
307	0.06	0.01	0.04	0.04	-33.3%	0.01	0.04	0.04	-33.3%
308	14.78	13.22	6.14	13.22	-10.6%	16.46	12.48	16.46	11.4%
309	7.46	6.03	2.53	6.03	-19.2%	8.9	5.55	8.9	19.3%
310	136.27	113.46	101.04	113.46	-16.7%	145.29	161.71	161.71	18.7%
311	14.33	12.35	6.22	12.35	-13.8%	13.98	11.3	13.98	-2.4%
312	3.04	2.25	0.82	2.25	-26.0%	3.55	1.83	3.55	16.8%
313	2.70	1.9	0.75	1.9	-29.6%	3.08	1.67	3.08	14.1%
314	11.21	9.92	4.3	9.92	-11.5%	13.76	9.1	13.76	22.7%
315	4.99	3.2	1.23	3.2	-35.9%	5.18	2.77	5.18	3.8%
316	3.49	2.5	0.99	2.5	-28.4%	4.09	2.23	4.09	17.2%
317	14.86	12.71	7.34	12.71	-14.5%	17.26	12.52	17.26	16.2%
318	8.55	6.37	3.06	6.37	-25.5%	9.65	6.51	9.65	12.9%
319	3.58	2.29	3.42	3.42	-4.5%	2.32	3.71	3.71	3.6%
320	3.44	2.22	3.25	3.25	-5.5%	2.2	3.5	3.5	1.7%
321	3.52	2.26	3.23	3.23	-8.2%	2.23	3.48	3.48	-1.1%
322	3.55	2.37	3.21	3.21	-9.6%	2.33	3.47	3.47	-2.3%
323	3.21	2.78	2.94	2.94	-8.4%	2.34	3.25	3.25	1.2%
324	3.19	2.97	2.92	2.97	-6.9%	3.04	3.24	3.24	1.6%
325	12.74	8.58	4.86	8.58	-32.7%	15.51	10.76	15.51	21.7%
326	10.57	6.28	3.92	6.28	-40.6%	12.82	8.7	12.82	21.3%
327	2.23	1.47	0.52	1.47	-34.1%	2.36	1.19	2.36	5.8%
328	1.73	1.19	0.54	1.19	-31.2%	2.35	1.23	2.35	35.8%
329	0.49	0.27	0.16	0.27	-44.9%	0.73	0.37	0.73	49.0%
330	6.24	3.8	2.69	3.8	-39.1%	7.61	5.6	7.61	22.0%
331	6.59	4.68	1.46	4.68	-29.0%	6.69	3.25	6.69	1.5%
332	3.50	2.53	0.98	2.53	-27.7%	4.38	2.22	4.38	25.1%
333	1.35	0.87	0.3	0.87	-35.6%	1.35	0.68	1.35	0.0%
334	9.22	5.23	3.28	5.23	-43.3%	11.41	7.23	11.41	23.8%
335	1.14	0.79	0.32	0.79	-30.7%	1.46	0.74	1.46	28.1%
336	2.37	1.65	0.67	1.65	-30.4%	2.96	1.52	2.96	24.9%
337	1.53	1.06	0.39	1.06	-30.7%	1.79	0.89	1.79	17.0%
338	1.81	1.18	0.46	1.18	-34.8%	1.96	1.04	1.96	8.3%
339	3.35	2.19	0.75	2.19	-34.6%	3.22	1.69	3.22	-3.9%
340	2.39	1.7	0.83	1.7	-28.9%	3.3	1.86	3.3	38.1%
341	1.19	0.61	0.43	0.61	-48.7%	1.66	0.96	1.66	39.5%
342	15.40	11.65	11.71	11.71	-24.0%	14.87	16.87	16.87	9.5%
343	10.56	7.4	2.75	7.4	-29.9%	11.23	6.16	11.23	6.3%
344	3.37	2.26	1.13	2.26	-32.9%	4.29	2.52	4.29	27.3%
345	0.79	0.58	0.27	0.58	-26.6%	1.15	0.61	1.15	45.6%
346	0.87	0.57	0.21	0.57	-34.5%	0.94	0.48	0.94	8.0%
347	1.06	0.79	0.29	0.79	-25.5%	1.36	0.67	1.36	28.3%
348	7.61	5.38	2.63	5.38	-29.3%	9.06	5.67	9.06	19.1%
349	6.93	4.77	2.56	4.77	-31.2%	9.13	5.47	9.13	31.7%
350	2.30	1.48	0.55	1.48	-35.7%	2.35	1.24	2.35	2.2%
351	32.58	25.62	14.83	25.62	-21.4%	38	27.97	38	16.6%
352	3.18	2.34	0.86	2.34	-26.4%	3.73	1.83	3.73	17.3%
353	4.16	2.77	0.85	2.77	-33.4%	3.84	1.84	3.84	-7.7%
354	0.97	0.57	0.31	0.57	-41.2%	1.38	0.7	1.38	42.3%
355	21.33	20.61	10.14	20.61	-3.4%	23.16	19.36	23.16	8.6%
356	21.56	20.97	10.52	20.97	-2.7%	23.35	19.84	23.35	8.3%
357	1.00	0.71	0.33	0.71	-29.0%	1.42	0.75	1.42	42.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
358	11.01	7.75	3.08	7.75	-29.6%	10.64	6.54	10.64	-3.4%
359	9.07	6.28	2.48	6.28	-30.8%	9.31	5.47	9.31	2.6%
360	10.27	8.29	3.27	8.29	-19.3%	10.77	6.84	10.77	4.9%
361	5.24	3.95	2.8	3.95	-24.6%	6.08	5.62	6.08	16.0%
362	1.45	1	0.43	1	-31.0%	1.94	0.99	1.94	33.8%
363	0.97	0.69	0.29	0.69	-28.9%	1.29	0.66	1.29	33.0%
364	1.15	0.74	0.28	0.74	-35.7%	1.24	0.63	1.24	7.8%
365	1.13	0.75	0.36	0.75	-33.6%	1.61	0.83	1.61	42.5%
366	1.27	0.85	0.31	0.85	-33.1%	1.38	0.7	1.38	8.7%
367	4.26	3.41	2.93	3.41	-20.0%	5	4.19	5	17.4%
368	1.03	0.74	0.25	0.74	-28.2%	1.19	0.58	1.19	15.5%
369	2.70	1.98	0.95	1.98	-26.7%	3.84	2.14	3.84	42.2%
370	1.62	1.12	0.52	1.12	-30.9%	2.18	1.18	2.18	34.6%
371	1.43	0.92	0.34	0.92	-35.7%	1.44	0.76	1.44	0.7%
372	1.14	0.76	0.3	0.76	-33.3%	1.33	0.67	1.33	16.7%
373	2.37	1.68	0.66	1.68	-29.1%	3.05	1.51	3.05	28.7%
374	0.91	0.65	0.2	0.65	-28.6%	0.9	0.42	0.9	-1.1%
375	2.18	1.12	0.82	1.12	-48.6%	3.02	1.82	3.02	38.5%
376	1.59	0.83	0.57	0.83	-47.8%	2.39	1.3	2.39	50.3%
377	11.16	8.65	3.64	8.65	-22.5%	13.47	7.98	13.47	20.7%
378	83.97	52.51	61.65	61.65	-26.6%	71.64	95.87	95.87	14.2%
379	0.65	0.43	0.14	0.43	-33.8%	0.67	0.33	0.67	3.1%
380	4.74	3.67	1.52	3.67	-22.6%	5.66	3.37	5.66	19.4%
381	0.75	0.4	0.27	0.4	-46.7%	1.13	0.62	1.13	50.7%
382	1.24	0.77	0.41	0.77	-37.9%	1.65	0.91	1.65	33.1%
383	0.25	0.15	0.07	0.15	-40.0%	0.34	0.17	0.34	36.0%
384	13.90	11.92	6.82	11.92	-14.2%	16.59	11.63	16.59	19.4%
385	32.04	25.22	14.46	25.22	-21.3%	37.77	27.31	37.77	17.9%
386	1.86	1.12	0.73	1.12	-39.8%	2.64	1.62	2.64	41.9%
387	1.05	0.57	0.41	0.57	-45.7%	1.47	0.91	1.47	40.0%
388	4.68	2.32	1.69	2.32	-50.4%	6.08	3.71	6.08	29.9%
389	40.88	28.1	26.03	28.1	-31.3%	35.17	44.98	44.98	10.0%
390	0.28	0.21	0.06	0.21	-25.0%	0.3	0.14	0.3	7.1%
391	1.71	1.08	0.51	1.08	-36.8%	2.24	1.14	2.24	31.0%
392	0.53	0.31	0.16	0.31	-41.5%	0.77	0.38	0.77	45.3%
393	0.27	0.15	0.07	0.15	-44.4%	0.38	0.18	0.38	40.7%
394	1.07	0.71	0.34	0.71	-33.6%	1.39	0.77	1.39	29.9%
395	1.67	1.1	0.42	1.1	-34.1%	1.95	0.96	1.95	16.8%
396	1.00	0.66	0.26	0.66	-34.0%	1.15	0.58	1.15	15.0%
397	13.67	12.46	5.63	12.46	-8.9%	16.31	11.67	16.31	19.3%
398	0.33	0.22	0.08	0.22	-33.3%	0.36	0.18	0.36	9.1%
399	0.14	0.1	0.03	0.1	-28.6%	0.16	0.08	0.16	14.3%
400	0.31	0.14	0.32	0.32	3.2%	0.16	0.31	0.31	0.0%
401	2.17	1.08	0.72	1.08	-50.2%	2.77	1.63	2.77	27.6%
402	1.63	1.05	0.32	1.05	-35.6%	1.46	0.72	1.46	-10.4%
403	1.02	0.69	0.24	0.69	-32.4%	1.12	0.56	1.12	9.8%
404	6.40	5.06	2.1	5.06	-20.9%	8.23	4.56	8.23	28.6%
405	3.02	1.95	0.71	1.95	-35.4%	3.12	1.63	3.12	3.3%
406	2.02	1.39	0.51	1.39	-31.2%	2.35	1.16	2.35	16.3%
407	40.86	28.1	25.97	28.1	-31.2%	35.17	44.93	44.93	10.0%
408	7.15	5.37	4.21	5.37	-24.9%	6.41	8.28	8.28	15.8%
409	7.06	5.34	4.34	5.34	-24.4%	6.17	8.5	8.5	20.4%
410	12.48	9.03	7.21	9.03	-27.6%	13.78	14.27	14.27	14.3%
411	1.20	0.7	0.47	0.7	-41.7%	1.7	1.05	1.7	41.7%
412	1.67	0.84	0.62	0.84	-49.7%	2.31	1.37	2.31	38.3%
413	1.48	0.95	0.53	0.95	-35.8%	2.08	1.18	2.08	40.5%
414	2.47	1.69	0.67	1.69	-31.6%	2.95	1.52	2.95	19.4%
415	2.73	1.79	0.74	1.79	-34.4%	2.97	1.64	2.97	8.8%
416	0.74	0.48	0.17	0.48	-35.1%	0.79	0.39	0.79	6.8%
417	0.74	0.56	0.19	0.56	-24.3%	0.91	0.44	0.91	23.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
418	1.45	0.97	0.44	0.97	-33.1%	2.02	1	2.02	39.3%
419	4.84	2.84	1.87	2.84	-41.3%	6.61	4.1	6.61	36.6%
420	16.78	12.85	11.18	12.85	-23.4%	18.85	20.6	20.6	22.8%
421	0.73	0.47	0.16	0.47	-35.6%	0.71	0.35	0.71	-2.7%
422	7.68	4.95	1.89	4.95	-35.5%	7.02	4.21	7.02	-8.6%
423	3.62	2.35	0.89	2.35	-35.1%	3.59	1.98	3.59	-0.8%
424	2.85	1.86	0.72	1.86	-34.7%	2.91	1.6	2.91	2.1%
425	0.78	0.5	0.13	0.5	-35.9%	0.61	0.28	0.61	-21.8%
426	0.66	0.34	0.24	0.34	-48.5%	1	0.54	1	51.5%
427	1.05	0.74	0.33	0.74	-29.5%	1.45	0.75	1.45	38.1%
428	1.54	1	0.32	1	-35.1%	1.48	0.73	1.48	-3.9%
429	20.08	10.34	8.44	10.34	-48.5%	23.5	17.91	23.5	17.0%
430	0.37	0.26	0.09	0.26	-29.7%	0.37	0.18	0.37	0.0%
431	1.12	0.73	0.25	0.73	-34.8%	1.14	0.57	1.14	1.8%
432	0.80	0.52	0.17	0.52	-35.0%	0.76	0.38	0.76	-5.0%
433	1.50	1.06	0.36	1.06	-29.3%	1.61	0.77	1.61	7.3%
434	0.96	0.68	0.26	0.68	-29.2%	1.22	0.61	1.22	27.1%
435	0.54	0.36	0.12	0.36	-33.3%	0.58	0.28	0.58	7.4%
436	5.47	3.81	2.67	3.81	-30.3%	6	5.38	6	9.7%
437	4.95	3.32	2.35	3.32	-32.9%	5.53	4.73	5.53	11.7%
438	4.81	3.12	2.25	3.12	-35.1%	5.42	4.51	5.42	12.7%
439	4.74	3.07	2.21	3.07	-35.2%	5.38	4.43	5.38	13.5%
440	3.84	2.58	1.89	2.58	-32.8%	4.8	3.68	4.8	25.0%
441	3.80	2.55	1.85	2.55	-32.9%	4.76	3.6	4.76	25.3%
442	3.63	2.43	1.75	2.43	-33.1%	4.6	3.39	4.6	26.7%
443	5.64	3.49	2.91	3.49	-38.1%	5.93	5.86	5.93	5.1%
444	5.71	3.53	2.95	3.53	-38.2%	5.96	5.93	5.96	4.4%
445	0.44	0.24	0.15	0.24	-45.5%	0.66	0.34	0.66	50.0%
446	0.29	0.16	0.1	0.16	-44.8%	0.42	0.22	0.42	44.8%
447	1.39	0.85	0.46	0.85	-38.8%	1.83	1.03	1.83	31.7%
448	0.75	0.39	0.27	0.39	-48.0%	1.13	0.63	1.13	50.7%
449	0.68	0.39	0.22	0.39	-42.6%	1	0.51	1	47.1%
450	0.07	0.05	0.02	0.05	-28.6%	0.07	0.03	0.07	0.0%
451	0.27	0.19	0.08	0.19	-29.6%	0.38	0.18	0.38	40.7%
452	0.16	0.11	0.05	0.11	-31.3%	0.2	0.1	0.2	25.0%
453	1.97	1.16	0.85	1.16	-41.1%	2.74	1.86	2.74	39.1%
454	0.48	0.34	0.14	0.34	-29.2%	0.62	0.32	0.62	29.2%
455	2.05	1.19	0.89	1.19	-42.0%	2.79	1.93	2.79	36.1%
456	0.09	0.05	0.03	0.05	-44.4%	0.13	0.08	0.13	44.4%
457	0.47	0.32	0.15	0.32	-31.9%	0.66	0.34	0.66	40.4%
458	0.20	0.15	0.05	0.15	-25.0%	0.22	0.1	0.22	10.0%
459	0.61	0.42	0.15	0.42	-31.1%	0.7	0.34	0.7	14.8%
460	0.99	0.72	0.26	0.72	-27.3%	1.2	0.58	1.2	21.2%
461	1.27	0.94	0.35	0.94	-26.0%	1.64	0.8	1.64	29.1%
462	0.58	0.39	0.19	0.39	-32.8%	0.78	0.42	0.78	34.5%
463	0.24	0.17	0.06	0.17	-29.2%	0.29	0.14	0.29	20.8%
464	0.31	0.22	0.09	0.22	-29.0%	0.44	0.22	0.44	41.9%
465	0.10	0.07	0.02	0.07	-30.0%	0.13	0.06	0.13	30.0%
466	0.33	0.19	0.1	0.19	-42.4%	0.49	0.24	0.49	48.5%
467	1.34	0.75	0.44	0.75	-44.0%	1.95	1.01	1.95	45.5%
468	0.97	0.71	0.26	0.71	-26.8%	1.18	0.58	1.18	21.6%
469	0.66	0.45	0.15	0.45	-31.8%	0.7	0.34	0.7	6.1%
470	0.36	0.26	0.09	0.26	-27.8%	0.42	0.2	0.42	16.7%
471	0.29	0.21	0.07	0.21	-27.6%	0.34	0.16	0.34	17.2%
472	0.22	0.15	0.06	0.15	-31.8%	0.25	0.13	0.25	13.6%
473	0.37	0.25	0.1	0.25	-32.4%	0.43	0.21	0.43	16.2%
474	1.27	0.89	0.35	0.89	-29.9%	1.57	0.8	1.57	23.6%
475	1.09	0.79	0.29	0.79	-27.5%	1.35	0.67	1.35	23.9%
476	0.11	0.08	0.03	0.08	-27.3%	0.13	0.06	0.13	18.2%
477	0.18	0.13	0.04	0.13	-27.8%	0.18	0.08	0.18	0.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
478	0.36	0.25	0.08	0.25	-30.6%	0.4	0.19	0.4	11.1%
479	0.59	0.39	0.14	0.39	-33.9%	0.68	0.33	0.68	15.3%
480	1.28	0.93	0.36	0.93	-27.3%	1.63	0.81	1.63	27.3%
481	1.52	1.09	0.44	1.09	-28.3%	1.95	0.99	1.95	28.3%
482	0.03	0.02	0.01	0.02	-33.3%	0.04	0.03	0.04	33.3%
483	0.11	0.06	0.03	0.06	-45.5%	0.16	0.08	0.16	45.5%
484	0.23	0.13	0.08	0.13	-43.5%	0.34	0.18	0.34	47.8%
485	0.66	0.44	0.15	0.44	-33.3%	0.73	0.35	0.73	10.6%
486	0.60	0.45	0.17	0.45	-25.0%	0.8	0.39	0.8	33.3%
487	0.10	0.08	0.02	0.08	-20.0%	0.13	0.06	0.13	30.0%
488	0.13	0.1	0.04	0.1	-23.1%	0.17	0.09	0.17	30.8%
489	1.22	0.87	0.39	0.87	-28.7%	1.66	0.87	1.66	36.1%
490	0.06	0.04	0.02	0.04	-33.3%	0.06	0.03	0.06	0.0%
491	0.19	0.11	0.05	0.11	-42.1%	0.27	0.13	0.27	42.1%
492	0.41	0.23	0.14	0.23	-43.9%	0.57	0.3	0.57	39.0%
493	0.07	0.05	0.01	0.05	-28.6%	0.08	0.03	0.08	14.3%
494	0.13	0.08	0.04	0.08	-38.5%	0.18	0.09	0.18	38.5%
495	0.17	0.13	0.05	0.13	-23.5%	0.21	0.1	0.21	23.5%
496	0.22	0.16	0.06	0.16	-27.3%	0.25	0.13	0.25	13.6%
497	0.45	0.3	0.16	0.3	-33.3%	0.67	0.36	0.67	48.9%
498	0.24	0.13	0.09	0.13	-45.8%	0.36	0.19	0.36	50.0%
499	0.23	0.14	0.07	0.14	-39.1%	0.31	0.15	0.31	34.8%
500	0.28	0.19	0.07	0.19	-32.1%	0.3	0.15	0.3	7.1%
501	0.30	0.21	0.08	0.21	-30.0%	0.36	0.18	0.36	20.0%
502	11.19	8.8	3.73	8.8	-21.4%	13.61	8.15	13.61	21.6%
503	0.36	0.26	0.11	0.26	-27.8%	0.51	0.25	0.51	41.7%
504	0.57	0.39	0.16	0.39	-31.6%	0.7	0.35	0.7	22.8%
505	0.21	0.12	0.06	0.12	-42.9%	0.29	0.14	0.29	38.1%
506	0.16	0.12	0.05	0.12	-25.0%	0.2	0.1	0.2	25.0%
507	0.27	0.14	0.09	0.14	-48.1%	0.4	0.21	0.4	48.1%
508	0.14	0.08	0.04	0.08	-42.9%	0.2	0.1	0.2	42.9%
509	0.42	0.23	0.14	0.23	-45.2%	0.62	0.32	0.62	47.6%
510	1.59	1.14	0.48	1.14	-28.3%	2.13	1.09	2.13	34.0%
511	2.06	1.5	0.63	1.5	-27.2%	2.66	1.4	2.66	29.1%
512	2.19	1.61	0.67	1.61	-26.5%	2.76	1.48	2.76	26.0%
513	1.10	0.73	0.31	0.73	-33.6%	1.32	0.7	1.32	20.0%
514	0.43	0.29	0.1	0.29	-32.6%	0.42	0.21	0.42	-2.3%
515	0.49	0.34	0.13	0.34	-30.6%	0.6	0.29	0.6	22.4%
516	0.18	0.13	0.04	0.13	-27.8%	0.21	0.1	0.21	16.7%
517	0.22	0.16	0.05	0.16	-27.3%	0.24	0.11	0.24	9.1%
518	0.52	0.28	0.18	0.28	-46.2%	0.78	0.41	0.78	50.0%
519	0.56	0.39	0.17	0.39	-30.4%	0.77	0.39	0.77	37.5%
520	0.83	0.5	0.28	0.5	-39.8%	1.21	0.62	1.21	45.8%
521	0.19	0.13	0.06	0.13	-31.6%	0.27	0.14	0.27	42.1%
522	0.23	0.16	0.07	0.16	-30.4%	0.33	0.17	0.33	43.5%
523	0.26	0.16	0.07	0.16	-38.5%	0.35	0.17	0.35	34.6%
524	0.42	0.27	0.12	0.27	-35.7%	0.56	0.28	0.56	33.3%
525	1.60	1.03	0.27	1.03	-35.6%	1.24	0.56	1.24	-22.5%
526	0.33	0.22	0.07	0.22	-33.3%	0.34	0.17	0.34	3.0%
527	1.37	1.03	0.46	1.03	-24.8%	1.97	1.03	1.97	43.8%
528	0.33	0.22	0.06	0.22	-33.3%	0.28	0.13	0.28	-15.2%
529	0.11	0.08	0.02	0.08	-27.3%	0.1	0.05	0.1	-9.1%
530	0.75	0.48	0.19	0.48	-36.0%	0.88	0.44	0.88	17.3%
531	0.27	0.21	0.06	0.21	-22.2%	0.3	0.14	0.3	11.1%
532	0.05	0.04	0.01	0.04	-20.0%	0.06	0.02	0.06	20.0%
533	0.44	0.34	0.12	0.34	-22.7%	0.56	0.27	0.56	27.3%
534	0.95	0.61	0.17	0.61	-35.8%	0.8	0.38	0.8	-15.8%
535	0.45	0.24	0.16	0.24	-46.7%	0.68	0.36	0.68	51.1%
536	0.48	0.27	0.16	0.27	-43.8%	0.71	0.37	0.71	47.9%
537	0.42	0.22	0.14	0.22	-47.6%	0.63	0.32	0.63	50.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
538	0.07	0.04	0.02	0.04	-42.9%	0.07	0.03	0.07	0.0%
539	0.13	0.08	0.03	0.08	-38.5%	0.17	0.08	0.17	30.8%
540	0.21	0.14	0.06	0.14	-33.3%	0.29	0.14	0.29	38.1%
541	0.55	0.33	0.16	0.33	-40.0%	0.77	0.37	0.77	40.0%
542	0.25	0.15	0.08	0.15	-40.0%	0.36	0.18	0.36	44.0%
543	1.11	0.63	0.39	0.63	-43.2%	1.58	0.88	1.58	42.3%
544	0.28	0.16	0.08	0.16	-42.9%	0.39	0.19	0.39	39.3%
545	0.58	0.34	0.17	0.34	-41.4%	0.82	0.41	0.82	41.4%
546	0.65	0.38	0.19	0.38	-41.5%	0.92	0.46	0.92	41.5%
547	1.23	0.62	0.37	0.62	-49.6%	1.62	0.86	1.62	31.7%
548	1.31	0.67	0.4	0.67	-48.9%	1.71	0.92	1.71	30.5%
549	0.83	0.49	0.25	0.49	-41.0%	1.15	0.57	1.15	38.6%
550	1.33	0.77	0.44	0.77	-42.1%	1.84	0.99	1.84	38.3%
551	3.02	1.78	1.08	1.78	-41.1%	4	2.38	4	32.5%
552	3.08	1.83	1.11	1.83	-40.6%	4.06	2.43	4.06	31.8%
553	1.09	0.64	0.36	0.64	-41.3%	1.49	0.83	1.49	36.7%
554	0.13	0.08	0.04	0.08	-38.5%	0.18	0.09	0.18	38.5%
555	0.43	0.23	0.14	0.23	-46.5%	0.64	0.32	0.64	48.8%
556	5.63	3.42	2.26	3.42	-39.3%	7.18	4.81	7.18	27.5%
557	5.24	3.17	2.03	3.17	-39.5%	6.81	4.35	6.81	30.0%
558	0.67	0.37	0.22	0.37	-44.8%	0.98	0.51	0.98	46.3%
559	0.46	0.27	0.15	0.27	-41.3%	0.64	0.34	0.64	39.1%
560	0.31	0.18	0.09	0.18	-41.9%	0.45	0.22	0.45	45.2%
561	0.15	0.11	0.04	0.11	-26.7%	0.17	0.08	0.17	13.3%
562	0.25	0.18	0.07	0.18	-28.0%	0.33	0.15	0.33	32.0%
563	0.56	0.36	0.1	0.36	-35.7%	0.46	0.21	0.46	-17.9%
564	0.25	0.17	0.05	0.17	-32.0%	0.22	0.1	0.22	-12.0%
565	0.48	0.32	0.14	0.32	-33.3%	0.67	0.32	0.67	39.6%
566	0.79	0.5	0.24	0.5	-36.7%	1.1	0.54	1.1	39.2%
567	0.91	0.56	0.28	0.56	-38.5%	1.25	0.64	1.25	37.4%
568	1.11	0.67	0.36	0.67	-39.6%	1.53	0.81	1.53	37.8%
569	0.17	0.1	0.06	0.1	-41.2%	0.25	0.13	0.25	47.1%
570	1.32	0.8	0.44	0.8	-39.4%	1.81	0.98	1.81	37.1%
571	0.16	0.1	0.04	0.1	-37.5%	0.22	0.1	0.22	37.5%
572	0.59	0.43	0.14	0.43	-27.1%	0.64	0.3	0.64	8.5%
573	0.97	0.62	0.2	0.62	-36.1%	0.86	0.41	0.86	-11.3%
574	0.42	0.27	0.09	0.27	-35.7%	0.39	0.18	0.39	-7.1%
575	0.29	0.17	0.08	0.17	-41.4%	0.41	0.19	0.41	41.4%
576	0.12	0.07	0.04	0.07	-41.7%	0.17	0.09	0.17	41.7%
577	0.30	0.17	0.1	0.17	-43.3%	0.43	0.23	0.43	43.3%
578	0.13	0.07	0.04	0.07	-46.2%	0.19	0.09	0.19	46.2%
579	1.57	1.23	0.46	1.23	-21.7%	2.12	1.03	2.12	35.0%
580	0.10	0.06	0.03	0.06	-40.0%	0.14	0.06	0.14	40.0%
581	7.54	6	2.13	6	-20.4%	8.72	4.71	8.72	15.6%
582	0.32	0.25	0.09	0.25	-21.9%	0.4	0.19	0.4	25.0%
583	0.26	0.18	0.06	0.18	-30.8%	0.27	0.14	0.27	3.8%
584	0.53	0.36	0.12	0.36	-32.1%	0.54	0.27	0.54	1.9%
585	1.30	0.96	0.37	0.96	-26.2%	1.64	0.81	1.64	26.2%
586	1.19	0.87	0.34	0.87	-26.9%	1.55	0.76	1.55	30.3%
587	0.21	0.15	0.05	0.15	-28.6%	0.23	0.11	0.23	9.5%
588	0.09	0.07	0.03	0.07	-22.2%	0.12	0.06	0.12	33.3%
589	0.54	0.36	0.12	0.36	-33.3%	0.57	0.28	0.57	5.6%
590	0.65	0.43	0.15	0.43	-33.8%	0.72	0.36	0.72	10.8%
591	0.89	0.59	0.23	0.59	-33.7%	1	0.51	1	12.4%
592	0.21	0.15	0.05	0.15	-28.6%	0.22	0.1	0.22	4.8%
593	0.18	0.12	0.05	0.12	-33.3%	0.24	0.11	0.24	33.3%
594	0.20	0.13	0.05	0.13	-35.0%	0.28	0.13	0.28	40.0%
595	0.52	0.4	0.14	0.4	-23.1%	0.65	0.32	0.65	25.0%
596	0.21	0.15	0.05	0.15	-28.6%	0.22	0.1	0.22	4.8%
597	0.24	0.16	0.04	0.16	-33.3%	0.19	0.08	0.19	-20.8%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
598	0.45	0.3	0.08	0.3	-33.3%	0.36	0.16	0.36	-20.0%
599	0.72	0.56	0.2	0.56	-22.2%	0.91	0.44	0.91	26.4%
600	0.24	0.17	0.05	0.17	-29.2%	0.25	0.11	0.25	4.2%
601	0.15	0.09	0.05	0.09	-40.0%	0.2	0.1	0.2	33.3%
602	0.49	0.33	0.1	0.33	-32.7%	0.44	0.21	0.44	-10.2%
603	0.81	0.6	0.19	0.6	-25.9%	0.88	0.42	0.88	8.6%
604	2.25	1.64	0.55	1.64	-27.1%	2.45	1.17	2.45	8.9%
605	0.34	0.24	0.07	0.24	-29.4%	0.32	0.15	0.32	-5.9%
606	0.19	0.12	0.03	0.12	-36.8%	0.15	0.07	0.15	-21.1%
607	1.46	1.07	0.33	1.07	-26.7%	1.51	0.7	1.51	3.4%
608	0.66	0.43	0.11	0.43	-34.8%	0.54	0.24	0.54	-18.2%
609	1.37	0.99	0.31	0.99	-27.7%	1.39	0.65	1.39	1.5%
610	0.74	0.49	0.17	0.49	-33.8%	0.75	0.37	0.75	1.4%
611	0.07	0.06	0.02	0.06	-14.3%	0.08	0.03	0.08	14.3%
612	2.47	1.78	0.62	1.78	-27.9%	2.78	1.32	2.78	12.6%
613	0.09	0.07	0.02	0.07	-22.2%	0.1	0.05	0.1	11.1%
614	0.49	0.36	0.12	0.36	-26.5%	0.55	0.27	0.55	12.2%
615	0.54	0.38	0.14	0.38	-29.6%	0.6	0.3	0.6	11.1%
616	0.12	0.09	0.03	0.09	-25.0%	0.12	0.06	0.12	0.0%
617	0.33	0.19	0.1	0.19	-42.4%	0.47	0.23	0.47	42.4%
618	0.52	0.33	0.09	0.33	-36.5%	0.39	0.18	0.39	-25.0%
619	0.87	0.49	0.31	0.49	-43.7%	1.24	0.69	1.24	42.5%
620	1.13	0.58	0.4	0.58	-48.7%	1.5	0.87	1.5	32.7%
621	0.16	0.13	0.03	0.13	-18.8%	0.16	0.07	0.16	0.0%
622	0.26	0.14	0.09	0.14	-46.2%	0.38	0.2	0.38	46.2%
623	0.45	0.25	0.16	0.25	-44.4%	0.64	0.35	0.64	42.2%
624	0.47	0.27	0.16	0.27	-42.6%	0.67	0.38	0.67	42.6%
625	0.49	0.26	0.17	0.26	-46.9%	0.72	0.38	0.72	46.9%
626	1.47	0.82	0.52	0.82	-44.2%	2.09	1.17	2.09	42.2%
627	0.54	0.37	0.13	0.37	-31.5%	0.58	0.28	0.58	7.4%
628	0.33	0.22	0.06	0.22	-33.3%	0.3	0.14	0.3	-9.1%
629	0.22	0.12	0.07	0.12	-45.5%	0.32	0.17	0.32	45.5%
630	0.10	0.06	0.03	0.06	-40.0%	0.14	0.06	0.14	40.0%
631	0.34	0.18	0.12	0.18	-47.1%	0.5	0.27	0.5	47.1%
632	0.27	0.2	0.06	0.2	-25.9%	0.3	0.14	0.3	11.1%
633	0.43	0.3	0.1	0.3	-30.2%	0.47	0.23	0.47	9.3%
634	0.65	0.44	0.15	0.44	-32.3%	0.67	0.33	0.67	3.1%
635	0.76	0.57	0.21	0.57	-25.0%	0.96	0.47	0.96	26.3%
636	0.44	0.3	0.1	0.3	-31.8%	0.44	0.22	0.44	0.0%
637	0.62	0.41	0.15	0.41	-33.9%	0.71	0.35	0.71	14.5%
638	0.46	0.3	0.11	0.3	-34.8%	0.48	0.24	0.48	4.3%
639	1.06	0.79	0.34	0.79	-25.5%	1.51	0.77	1.51	42.5%
640	0.50	0.34	0.11	0.34	-32.0%	0.53	0.25	0.53	6.0%
641	0.33	0.22	0.07	0.22	-33.3%	0.31	0.15	0.31	-6.1%
642	0.86	0.61	0.18	0.61	-29.1%	0.83	0.39	0.83	-3.5%
643	0.72	0.46	0.13	0.46	-36.1%	0.58	0.26	0.58	-19.4%
644	1.92	1.24	0.34	1.24	-35.4%	1.56	0.74	1.56	-18.8%
645	0.48	0.33	0.12	0.33	-31.3%	0.54	0.27	0.54	12.5%
646	1.42	1.01	0.4	1.01	-28.9%	1.81	0.91	1.81	27.5%
647	0.65	0.49	0.17	0.49	-24.6%	0.78	0.38	0.78	20.0%
648	0.21	0.15	0.05	0.15	-28.6%	0.22	0.1	0.22	4.8%
649	0.86	0.58	0.22	0.58	-32.6%	0.98	0.49	0.98	14.0%
650	1.18	0.87	0.31	0.87	-26.3%	1.42	0.7	1.42	20.3%
651	0.37	0.25	0.09	0.25	-32.4%	0.41	0.2	0.41	10.8%
652	0.36	0.25	0.08	0.25	-30.6%	0.37	0.18	0.37	2.8%
653	0.50	0.34	0.11	0.34	-32.0%	0.52	0.25	0.52	4.0%
654	0.63	0.43	0.15	0.43	-31.7%	0.67	0.33	0.67	6.3%
655	0.34	0.24	0.08	0.24	-29.4%	0.4	0.19	0.4	17.6%
656	0.17	0.12	0.05	0.12	-29.4%	0.2	0.1	0.2	17.6%
657	0.33	0.23	0.08	0.23	-30.3%	0.33	0.16	0.33	0.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
658	0.14	0.1	0.03	0.1	-28.6%	0.14	0.07	0.14	0.0%
659	0.45	0.32	0.11	0.32	-28.9%	0.5	0.24	0.5	11.1%
660	0.27	0.19	0.06	0.19	-29.6%	0.28	0.14	0.28	3.7%
661	0.12	0.1	0.04	0.1	-16.7%	0.16	0.08	0.16	33.3%
662	0.89	0.64	0.21	0.64	-28.1%	0.97	0.48	0.97	9.0%
663	0.20	0.14	0.05	0.14	-30.0%	0.2	0.1	0.2	0.0%
664	2.66	1.7	0.63	1.7	-36.1%	2.78	1.43	2.78	4.5%
665	1.63	1.05	0.37	1.05	-35.6%	1.66	0.83	1.66	1.8%
666	10.43	6.18	3.85	6.18	-40.7%	12.67	8.55	12.67	21.5%
667	0.44	0.3	0.11	0.3	-31.8%	0.49	0.24	0.49	11.4%
668	0.20	0.15	0.05	0.15	-25.0%	0.23	0.11	0.23	15.0%
669	1.54	1.1	0.42	1.1	-28.6%	1.92	0.96	1.92	24.7%
670	1.43	0.96	0.41	0.96	-32.9%	1.87	0.95	1.87	30.8%
671	0.90	0.6	0.23	0.6	-33.3%	1.04	0.52	1.04	15.6%
672	2.55	1.68	0.82	1.68	-34.1%	3.48	1.85	3.48	36.5%
673	0.35	0.25	0.09	0.25	-28.6%	0.41	0.2	0.41	17.1%
674	0.17	0.11	0.04	0.11	-35.3%	0.18	0.09	0.18	5.9%
675	0.54	0.35	0.16	0.35	-35.2%	0.75	0.37	0.75	38.9%
676	0.34	0.24	0.09	0.24	-29.4%	0.41	0.2	0.41	20.6%
677	0.81	0.4	0.28	0.4	-50.6%	1.13	0.64	1.13	39.5%
678	1.12	0.55	0.39	0.55	-50.9%	1.49	0.86	1.49	33.0%
679	1.58	0.89	0.53	0.89	-43.7%	2.26	1.19	2.26	43.0%
680	0.59	0.39	0.17	0.39	-33.9%	0.81	0.39	0.81	37.3%
681	0.19	0.14	0.04	0.14	-26.3%	0.2	0.09	0.2	5.3%
682	0.47	0.34	0.12	0.34	-27.7%	0.57	0.28	0.57	21.3%
683	4.43	2.52	1.64	2.52	-43.1%	6.15	3.68	6.15	38.8%
684	0.28	0.16	0.08	0.16	-42.9%	0.4	0.19	0.4	42.9%
685	0.08	0.07	0.02	0.07	-12.5%	0.1	0.05	0.1	25.0%
686	0.08	0.06	0.01	0.06	-25.0%	0.08	0.03	0.08	0.0%
687	0.13	0.1	0.03	0.1	-23.1%	0.16	0.07	0.16	23.1%
688	0.58	0.43	0.15	0.43	-25.9%	0.67	0.33	0.67	15.5%
689	0.27	0.15	0.09	0.15	-44.4%	0.4	0.2	0.4	48.1%
690	0.32	0.17	0.1	0.17	-46.9%	0.47	0.23	0.47	46.9%
691	0.34	0.18	0.13	0.18	-47.1%	0.51	0.29	0.51	50.0%
692	0.08	0.07	0.02	0.07	-12.5%	0.1	0.05	0.1	25.0%
693	0.21	0.15	0.05	0.15	-28.6%	0.27	0.13	0.27	28.6%
694	1.41	0.99	0.46	0.99	-29.8%	1.97	1.04	1.97	39.7%
695	2.37	1.69	0.81	1.69	-28.7%	3.29	1.82	3.29	38.8%
696	5.25	3.57	1.75	3.57	-32.0%	6.42	3.81	6.42	22.3%
697	0.60	0.39	0.13	0.39	-35.0%	0.58	0.29	0.58	-3.3%
698	0.64	0.42	0.14	0.42	-34.4%	0.61	0.3	0.61	-4.7%
699	0.13	0.11	0.03	0.11	-15.4%	0.15	0.07	0.15	15.4%
700	0.88	0.57	0.21	0.57	-35.2%	0.93	0.47	0.93	5.7%
701	1.04	0.69	0.24	0.69	-33.7%	1.1	0.54	1.1	5.8%
702	0.88	0.59	0.21	0.59	-33.0%	0.94	0.47	0.94	6.8%
703	0.52	0.35	0.12	0.35	-32.7%	0.57	0.28	0.57	9.6%
704	0.12	0.08	0.03	0.08	-33.3%	0.13	0.07	0.13	8.3%
705	0.12	0.09	0.02	0.09	-25.0%	0.13	0.06	0.13	8.3%
706	0.17	0.12	0.05	0.12	-29.4%	0.22	0.11	0.22	29.4%
707	0.81	0.54	0.2	0.54	-33.3%	0.95	0.47	0.95	17.3%
708	8.18	5.97	2.88	5.97	-27.0%	9.47	6.18	9.47	15.8%
709	8.33	6.09	2.95	6.09	-26.9%	9.54	6.31	9.54	14.5%
710	8.39	6.16	2.98	6.16	-26.6%	9.57	6.36	9.57	14.1%
711	0.22	0.16	0.05	0.16	-27.3%	0.25	0.12	0.25	13.6%
712	0.35	0.24	0.07	0.24	-31.4%	0.34	0.16	0.34	-2.9%
713	0.35	0.25	0.09	0.25	-28.6%	0.38	0.19	0.38	8.6%
714	0.53	0.35	0.13	0.35	-34.0%	0.59	0.29	0.59	11.3%
715	14.24	12.22	7.03	12.22	-14.2%	16.88	12	16.88	18.5%
716	0.33	0.23	0.08	0.23	-30.3%	0.39	0.19	0.39	18.2%
717	7.23	5.06	2.46	5.06	-30.0%	8.76	5.34	8.76	21.2%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
718	0.92	0.59	0.2	0.59	-35.9%	0.92	0.46	0.92	0.0%
719	0.61	0.41	0.17	0.41	-32.8%	0.78	0.39	0.78	27.9%
720	0.27	0.18	0.07	0.18	-33.3%	0.33	0.17	0.33	22.2%
721	0.38	0.26	0.08	0.26	-31.6%	0.37	0.18	0.37	-2.6%
722	0.29	0.2	0.07	0.2	-31.0%	0.33	0.16	0.33	13.8%
723	0.43	0.29	0.1	0.29	-32.6%	0.46	0.23	0.46	7.0%
724	0.35	0.25	0.11	0.25	-28.6%	0.48	0.24	0.48	37.1%
725	1.02	0.79	0.33	0.79	-22.5%	1.42	0.75	1.42	39.2%
726	0.33	0.23	0.1	0.23	-30.3%	0.46	0.23	0.46	39.4%
727	22.82	18.65	10.59	18.65	-18.3%	27.28	19.24	27.28	19.5%
728	0.13	0.1	0.04	0.1	-23.1%	0.17	0.08	0.17	30.8%
729	0.10	0.05	0.03	0.05	-50.0%	0.15	0.08	0.15	50.0%
730	0.12	0.09	0.03	0.09	-25.0%	0.13	0.06	0.13	8.3%
731	0.26	0.22	0.07	0.22	-15.4%	0.31	0.15	0.31	19.2%
732	1.09	0.76	0.29	0.76	-30.3%	1.29	0.66	1.29	18.3%
733	0.20	0.16	0.06	0.16	-20.0%	0.27	0.13	0.27	35.0%
734	0.11	0.08	0.04	0.08	-27.3%	0.15	0.08	0.15	36.4%
735	0.18	0.13	0.05	0.13	-27.8%	0.23	0.11	0.23	27.8%
736	0.99	0.55	0.32	0.55	-44.4%	1.43	0.73	1.43	44.4%
737	0.41	0.22	0.13	0.22	-46.3%	0.61	0.31	0.61	48.8%
738	0.45	0.25	0.14	0.25	-44.4%	0.67	0.33	0.67	48.9%
739	0.24	0.13	0.08	0.13	-45.8%	0.36	0.18	0.36	50.0%
740	0.73	0.41	0.24	0.41	-43.8%	1.05	0.54	1.05	43.8%
741	0.12	0.08	0.04	0.08	-33.3%	0.16	0.08	0.16	33.3%
742	0.28	0.17	0.08	0.17	-39.3%	0.41	0.19	0.41	46.4%
743	0.23	0.13	0.07	0.13	-43.5%	0.34	0.17	0.34	47.8%
744	0.35	0.21	0.1	0.21	-40.0%	0.49	0.23	0.49	40.0%
745	0.12	0.09	0.03	0.09	-25.0%	0.16	0.08	0.16	33.3%
746	0.23	0.16	0.06	0.16	-30.4%	0.29	0.14	0.29	26.1%
747	0.30	0.22	0.09	0.22	-26.7%	0.41	0.2	0.41	36.7%
748	0.40	0.22	0.12	0.22	-45.0%	0.6	0.29	0.6	50.0%
749	0.21	0.14	0.06	0.14	-33.3%	0.29	0.14	0.29	38.1%
750	0.18	0.1	0.05	0.1	-44.4%	0.25	0.12	0.25	38.9%
751	0.43	0.24	0.15	0.24	-44.2%	0.63	0.33	0.63	46.5%
752	33.34	26.4	15.72	26.4	-20.8%	38.24	29.47	38.24	14.7%
753	0.40	0.26	0.08	0.26	-35.0%	0.36	0.17	0.36	-10.0%
754	0.99	0.64	0.19	0.64	-35.4%	0.83	0.4	0.83	-16.2%
755	1.47	0.94	0.28	0.94	-36.1%	1.29	0.62	1.29	-12.2%
756	0.05	0.03	0.02	0.03	-40.0%	0.07	0.04	0.07	40.0%
757	0.03	0.02	0.01	0.02	-33.3%	0.02	0.01	0.02	-33.3%
758	1.88	1.34	0.43	1.34	-28.7%	1.97	0.95	1.97	4.8%
759	0.50	0.28	0.15	0.28	-44.0%	0.71	0.34	0.71	42.0%
760	0.31	0.19	0.09	0.19	-38.7%	0.42	0.2	0.42	35.5%
761	0.33	0.23	0.09	0.23	-30.3%	0.42	0.21	0.42	27.3%
762	0.65	0.44	0.18	0.44	-32.3%	0.78	0.41	0.78	20.0%
763	14.85	13.3	6.19	13.3	-10.4%	16.46	12.54	16.46	10.8%
764	0.24	0.17	0.06	0.17	-29.2%	0.29	0.14	0.29	20.8%
765	7.47	6.06	2.56	6.06	-18.9%	8.92	5.59	8.92	19.4%
766	1.13	0.67	0.37	0.67	-40.7%	1.63	0.85	1.63	44.2%
767	0.45	0.28	0.14	0.28	-37.8%	0.64	0.32	0.64	42.2%
768	0.17	0.14	0.04	0.14	-17.6%	0.2	0.09	0.2	17.6%
769	0.22	0.12	0.07	0.12	-45.5%	0.33	0.17	0.33	50.0%
770	0.18	0.14	0.05	0.14	-22.2%	0.22	0.1	0.22	22.2%
771	0.14	0.1	0.02	0.1	-28.6%	0.13	0.06	0.13	-7.1%
772	0.41	0.31	0.1	0.31	-24.4%	0.46	0.22	0.46	12.2%
773	0.61	0.44	0.13	0.44	-27.9%	0.61	0.27	0.61	0.0%
774	0.29	0.19	0.05	0.19	-34.5%	0.23	0.1	0.23	-20.7%
775	0.49	0.35	0.1	0.35	-28.6%	0.49	0.22	0.49	0.0%
776	0.46	0.3	0.08	0.3	-34.8%	0.38	0.17	0.38	-17.4%
777	0.30	0.21	0.08	0.21	-30.0%	0.39	0.19	0.39	30.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
778	0.64	0.43	0.17	0.43	-32.8%	0.78	0.39	0.78	21.9%
779	0.02	0.02	0.01	0.02	0.0%	0.02	0.01	0.02	0.0%
780	0.45	0.26	0.14	0.26	-42.2%	0.65	0.32	0.65	44.4%
781	0.10	0.07	0.03	0.07	-30.0%	0.13	0.06	0.13	30.0%
782	0.07	0.05	0.02	0.05	-28.6%	0.09	0.05	0.09	28.6%
783	0.16	0.12	0.03	0.12	-25.0%	0.15	0.07	0.15	-6.3%
784	0.14	0.1	0.02	0.1	-28.6%	0.12	0.05	0.12	-14.3%
785	0.04	0.03	0.01	0.03	-25.0%	0.04	0.02	0.04	0.0%
786	0.31	0.24	0.07	0.24	-22.6%	0.31	0.14	0.31	0.0%
787	0.89	0.6	0.25	0.6	-32.6%	1.12	0.57	1.12	25.8%
788	0.06	0.05	0.02	0.05	-16.7%	0.06	0.03	0.06	0.0%
789	0.09	0.06	0.03	0.06	-33.3%	0.12	0.06	0.12	33.3%
790	0.29	0.2	0.05	0.2	-31.0%	0.25	0.11	0.25	-13.8%
791	0.14	0.09	0.04	0.09	-35.7%	0.14	0.07	0.14	0.0%
792	0.24	0.17	0.06	0.17	-29.2%	0.25	0.13	0.25	4.2%
793	0.33	0.23	0.08	0.23	-30.3%	0.39	0.19	0.39	18.2%
794	0.15	0.11	0.04	0.11	-26.7%	0.21	0.1	0.21	40.0%
795	0.23	0.16	0.07	0.16	-30.4%	0.32	0.16	0.32	39.1%
796	0.19	0.11	0.05	0.11	-42.1%	0.27	0.13	0.27	42.1%
797	1.30	0.88	0.42	0.88	-32.3%	1.8	0.96	1.8	38.5%
798	0.26	0.14	0.08	0.14	-46.2%	0.39	0.19	0.39	50.0%
799	0.22	0.15	0.06	0.15	-31.8%	0.28	0.14	0.28	27.3%
800	0.45	0.3	0.11	0.3	-33.3%	0.48	0.24	0.48	6.7%
801	1.25	0.61	0.42	0.61	-51.2%	1.61	0.94	1.61	28.8%
802	0.05	0.04	0.02	0.04	-20.0%	0.06	0.03	0.06	20.0%
803	0.25	0.18	0.06	0.18	-28.0%	0.29	0.14	0.29	16.0%
804	6.62	5.5	2.33	5.5	-16.9%	7.99	4.99	7.99	20.7%
805	6.50	4.77	2.1	4.77	-26.6%	7.84	4.63	7.84	20.6%
806	3.50	2.48	1.15	2.48	-29.1%	4.08	2.54	4.08	16.6%
807	2.98	2.11	0.97	2.11	-29.2%	3.84	2.16	3.84	28.9%
808	0.52	0.37	0.12	0.37	-28.8%	0.53	0.25	0.53	1.9%
809	0.63	0.41	0.1	0.41	-34.9%	0.49	0.22	0.49	-22.2%
810	1.18	0.66	0.4	0.66	-44.1%	1.7	0.91	1.7	44.1%
811	0.90	0.5	0.3	0.5	-44.4%	1.32	0.69	1.32	46.7%
812	0.22	0.14	0.07	0.14	-36.4%	0.31	0.15	0.31	40.9%
813	0.90	0.61	0.26	0.61	-32.2%	1.13	0.58	1.13	25.6%
814	14.37	12.38	6.25	12.38	-13.8%	14.04	11.36	14.04	-2.3%
815	14.99	12.67	6.56	12.67	-15.5%	14.88	11.89	14.88	-0.7%
816	0.08	0.06	0.02	0.06	-25.0%	0.1	0.05	0.1	25.0%
817	0.24	0.17	0.06	0.17	-29.2%	0.29	0.14	0.29	20.8%
818	122.04	95.25	89.35	95.25	-22.0%	128.92	144.56	144.56	18.5%
819	0.06	0.01	0.04	0.04	-33.3%	0.03	0.04	0.04	-33.3%
820	0.81	0.48	0.25	0.48	-40.7%	1.18	0.58	1.18	45.7%
821	121.95	94.97	89.13	94.97	-22.1%	128.89	144.34	144.34	18.4%
822	33.95	26.82	16.28	26.82	-21.0%	38.28	30.26	38.28	12.8%
823	0.60	0.32	0.23	0.32	-46.7%	0.89	0.51	0.89	48.3%
824	0.44	0.27	0.14	0.27	-38.6%	0.64	0.32	0.64	45.5%
825	0.05	0.04	0.01	0.04	-20.0%	0.06	0.02	0.06	20.0%
826	0.47	0.31	0.08	0.31	-34.0%	0.38	0.17	0.38	-19.1%
827	0.59	0.4	0.12	0.4	-32.2%	0.55	0.26	0.55	-6.8%
828	0.68	0.46	0.14	0.46	-32.4%	0.64	0.3	0.64	-5.9%
829	1.60	1.04	0.31	1.04	-35.0%	1.42	0.66	1.42	-11.3%
830	0.66	0.46	0.16	0.46	-30.3%	0.73	0.35	0.73	10.6%
831	0.29	0.22	0.07	0.22	-24.1%	0.32	0.15	0.32	10.3%
832	0.39	0.3	0.1	0.3	-23.1%	0.47	0.22	0.47	20.5%
833	0.23	0.16	0.05	0.16	-30.4%	0.24	0.12	0.24	4.3%
834	0.30	0.22	0.07	0.22	-26.7%	0.34	0.16	0.34	13.3%
835	0.09	0.07	0.02	0.07	-22.2%	0.08	0.03	0.08	-11.1%
836	1.25	0.88	0.42	0.88	-29.6%	1.72	0.95	1.72	37.6%
837	0.54	0.36	0.13	0.36	-33.3%	0.59	0.29	0.59	9.3%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
838	0.19	0.14	0.05	0.14	-26.3%	0.21	0.1	0.21	10.5%
839	0.76	0.42	0.25	0.42	-44.7%	1.02	0.56	1.02	34.2%
840	0.22	0.16	0.05	0.16	-27.3%	0.24	0.11	0.24	9.1%
841	0.65	0.5	0.16	0.5	-23.1%	0.73	0.36	0.73	12.3%
842	0.11	0.08	0.02	0.08	-27.3%	0.11	0.05	0.11	0.0%
843	1.11	0.8	0.33	0.8	-27.9%	1.44	0.75	1.44	29.7%
844	1.38	0.95	0.4	0.95	-31.2%	1.74	0.91	1.74	26.1%
845	2.12	1.41	0.72	1.41	-33.5%	2.99	1.6	2.99	41.0%
846	0.35	0.24	0.08	0.24	-31.4%	0.39	0.19	0.39	11.4%
847	0.77	0.52	0.22	0.52	-32.5%	0.96	0.49	0.96	24.7%
848	0.38	0.26	0.09	0.26	-31.6%	0.42	0.2	0.42	10.5%
849	0.42	0.33	0.12	0.33	-21.4%	0.55	0.27	0.55	31.0%
850	0.24	0.17	0.06	0.17	-29.2%	0.28	0.14	0.28	16.7%
851	1.49	1	0.39	1	-32.9%	1.76	0.9	1.76	18.1%
852	0.82	0.53	0.18	0.53	-35.4%	0.85	0.42	0.85	3.7%
853	1.06	0.71	0.25	0.71	-33.0%	1.17	0.58	1.17	10.4%
854	0.80	0.63	0.22	0.63	-21.3%	1.04	0.51	1.04	30.0%
855	0.19	0.15	0.04	0.15	-21.1%	0.22	0.1	0.22	15.8%
856	0.26	0.18	0.05	0.18	-30.8%	0.25	0.12	0.25	-3.8%
857	0.03	0.02	0.01	0.02	-33.3%	0.03	0.01	0.03	0.0%
858	0.10	0.08	0.02	0.08	-20.0%	0.11	0.05	0.11	10.0%
859	0.23	0.17	0.06	0.17	-26.1%	0.26	0.13	0.26	13.0%
860	0.41	0.28	0.09	0.28	-31.7%	0.45	0.22	0.45	9.8%
861	0.27	0.19	0.06	0.19	-29.6%	0.3	0.14	0.3	11.1%
862	0.47	0.33	0.11	0.33	-29.8%	0.49	0.24	0.49	4.3%
863	0.48	0.32	0.11	0.32	-33.3%	0.52	0.25	0.52	8.3%
864	1.98	1.29	0.5	1.29	-34.8%	2.32	1.15	2.32	17.2%
865	2.24	1.5	0.61	1.5	-33.0%	2.76	1.39	2.76	23.2%
866	2.45	1.68	0.67	1.68	-31.4%	3.03	1.52	3.03	23.7%
867	0.52	0.36	0.13	0.36	-30.8%	0.58	0.29	0.58	11.5%
868	0.38	0.26	0.09	0.26	-31.6%	0.44	0.22	0.44	15.8%
869	0.19	0.13	0.05	0.13	-31.6%	0.22	0.11	0.22	15.8%
870	1.55	1.17	0.47	1.17	-24.5%	2.01	1.05	2.01	29.7%
871	0.05	0.03	0.02	0.03	-40.0%	0.07	0.03	0.07	40.0%
872	1.20	0.89	0.35	0.89	-25.8%	1.6	0.8	1.6	33.3%
873	0.54	0.38	0.13	0.38	-29.6%	0.62	0.3	0.62	14.8%
874	4.32	3.24	1.56	3.24	-25.0%	5.25	3.33	5.25	21.5%
875	4.40	3.32	1.59	3.32	-24.5%	5.32	3.42	5.32	20.9%
876	4.56	3.43	1.65	3.43	-24.8%	5.45	3.55	5.45	19.5%
877	0.82	0.6	0.22	0.6	-26.8%	1.03	0.51	1.03	25.6%
878	0.27	0.19	0.06	0.19	-29.6%	0.29	0.14	0.29	7.4%
879	7.13	5.22	2.41	5.22	-26.8%	8.32	5.31	8.32	16.7%
880	0.36	0.26	0.09	0.26	-27.8%	0.43	0.2	0.43	19.4%
881	0.12	0.09	0.03	0.09	-25.0%	0.16	0.07	0.16	33.3%
882	1.80	1.19	0.54	1.19	-33.9%	2.33	1.23	2.33	29.4%
883	1.74	1.11	0.52	1.11	-36.2%	2.27	1.18	2.27	30.5%
884	8.93	5.01	3.14	5.01	-43.9%	11.11	6.92	11.11	24.4%
885	6.04	3.3	2.2	3.3	-45.4%	7.48	4.88	7.48	23.8%
886	0.47	0.31	0.11	0.31	-34.0%	0.49	0.24	0.49	4.3%
887	0.35	0.24	0.08	0.24	-31.4%	0.36	0.18	0.36	2.9%
888	0.44	0.3	0.11	0.3	-31.8%	0.49	0.24	0.49	11.4%
889	0.18	0.1	0.06	0.1	-44.4%	0.27	0.14	0.27	50.0%
890	0.39	0.27	0.09	0.27	-30.8%	0.44	0.21	0.44	12.8%
891	0.62	0.42	0.14	0.42	-32.3%	0.65	0.32	0.65	4.8%
892	2.14	1.51	0.58	1.51	-29.4%	2.63	1.3	2.63	22.9%
893	0.49	0.36	0.14	0.36	-26.5%	0.64	0.32	0.64	30.6%
894	0.62	0.42	0.15	0.42	-32.3%	0.7	0.34	0.7	12.9%
895	0.45	0.3	0.1	0.3	-33.3%	0.46	0.23	0.46	2.2%
896	2.82	2.03	0.83	2.03	-28.0%	3.44	1.84	3.44	22.0%
897	0.59	0.41	0.15	0.41	-30.5%	0.7	0.34	0.7	18.6%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)				Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)			
		4563 TP for the 1 hour duration	4726 TP for the 6 hour duration	Max	Difference (%)	4572 TP for the 1 hour duration	4591 TP for the 6 hour duration	Max	Difference (%)
898	0.48	0.32	0.12	0.32	-33.3%	0.53	0.27	0.53	10.4%
899	0.08	0.06	0.02	0.06	-25.0%	0.1	0.05	0.1	25.0%
900	0.42	0.29	0.1	0.29	-31.0%	0.44	0.22	0.44	4.8%
901	0.44	0.29	0.1	0.29	-34.1%	0.46	0.23	0.46	4.5%
902	0.51	0.33	0.13	0.33	-35.3%	0.59	0.29	0.59	15.7%
903	0.35	0.24	0.09	0.24	-31.4%	0.4	0.2	0.4	14.3%
904	5.96	3.24	2.16	3.24	-45.6%	7.35	4.79	7.35	23.3%
905	0.28	0.2	0.06	0.2	-28.6%	0.3	0.14	0.3	7.1%
906	0.56	0.41	0.15	0.41	-26.8%	0.71	0.34	0.71	26.8%
907	2.63	1.41	0.9	1.41	-46.4%	3.34	2.03	3.34	27.0%
908	1.62	1	0.54	1	-38.3%	2.09	1.2	2.09	29.0%
909	2.09	1.03	0.67	1.03	-50.7%	2.71	1.52	2.71	29.7%
910	0.42	0.3	0.14	0.3	-28.6%	0.61	0.32	0.61	45.2%
911	0.20	0.16	0.05	0.16	-20.0%	0.24	0.11	0.24	20.0%
912	3.86	2.7	1.34	2.7	-30.1%	4.58	2.91	4.58	18.7%
913	0.22	0.16	0.06	0.16	-27.3%	0.29	0.14	0.29	31.8%
914	0.13	0.11	0.04	0.11	-15.4%	0.17	0.08	0.17	30.8%
915	0.38	0.27	0.1	0.27	-28.9%	0.43	0.21	0.43	13.2%
916	0.80	0.58	0.22	0.58	-27.5%	1.02	0.49	1.02	27.5%
917	2.91	2.01	0.59	2.01	-30.9%	2.69	1.27	2.69	-7.6%
918	1.89	1.21	0.33	1.21	-36.0%	1.51	0.72	1.51	-20.1%
919	0.40	0.27	0.07	0.27	-32.5%	0.36	0.16	0.36	-10.0%
920	0.68	0.5	0.15	0.5	-26.5%	0.69	0.32	0.69	1.5%
921	1.09	0.78	0.29	0.78	-28.4%	1.38	0.67	1.38	26.6%
922	1.48	1.03	0.42	1.03	-30.4%	1.85	0.96	1.85	25.0%
923	0.62	0.43	0.16	0.43	-30.6%	0.75	0.37	0.75	21.0%
924	0.59	0.41	0.14	0.41	-30.5%	0.64	0.32	0.64	8.5%
925	2.45	1.68	0.72	1.68	-31.4%	3.1	1.64	3.1	26.5%
926	0.37	0.29	0.09	0.29	-21.6%	0.45	0.21	0.45	21.6%
927	0.68	0.45	0.15	0.45	-33.8%	0.67	0.33	0.67	-1.5%
928	0.26	0.18	0.05	0.18	-30.8%	0.23	0.1	0.23	-11.5%
929	0.44	0.31	0.11	0.31	-29.5%	0.49	0.24	0.49	11.4%
930	0.17	0.12	0.04	0.12	-29.4%	0.19	0.09	0.19	11.8%
931	1.28	0.87	0.33	0.87	-32.0%	1.48	0.75	1.48	15.6%
932	0.63	0.42	0.14	0.42	-33.3%	0.66	0.32	0.66	4.8%
933	0.57	0.39	0.14	0.39	-31.6%	0.66	0.32	0.66	15.8%
934	0.55	0.37	0.13	0.37	-32.7%	0.6	0.29	0.6	9.1%
935	1.25	0.92	0.32	0.92	-26.4%	1.48	0.73	1.48	18.4%
Average Differences (All Subcatchments)					**-32.0%**				**19.9%**
Average Differences (Focus Locations)					**-25.0%**				**18.1%**

Source: RAFTS Sensitivity Results.xlsx

Temporal Pattern Sensitivity Results for the 1% AEP Event

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
1	228.23	217.61	169.95	148.09	217.61	-4.7%	232.45	231.74	236.69	236.69	3.7%
2	1.89	1.47	0.9	0.55	1.47	-22.2%	2.1	1.57	0.98	2.1	11.1%
3	1.84	1.4	0.81	0.5	1.4	-23.9%	2.06	1.44	0.89	2.06	12.0%
4	3.57	2.94	1.79	1.1	2.94	-17.6%	4.22	3.12	1.98	4.22	18.2%
5	4.11	3.31	2.06	1.27	3.31	-19.5%	4.74	3.47	2.27	4.74	15.3%
6	10.50	9.09	6.13	3.78	9.09	-13.4%	11.96	9.85	6.82	11.96	13.9%
7	13.13	10.84	7.54	4.55	10.84	-17.4%	14.32	12.12	8.32	14.32	9.1%
8	13.23	11.72	8.02	4.98	11.72	-11.4%	14.81	12.71	9.01	14.81	11.9%
9	2.00	1.4	0.76	0.48	1.4	-30.0%	2.18	1.37	0.83	2.18	9.0%
10	17.05	13.94	8.92	5.44	13.94	-18.2%	19.67	15.03	9.8	19.67	15.4%
11	1.84	1.4	0.81	0.5	1.4	-23.9%	2.06	1.44	0.89	2.06	12.0%
12	6.92	5.51	3.4	2.09	5.51	-20.4%	7.9	5.84	3.75	7.9	14.2%
13	1.25	1.01	0.67	0.41	1.01	-19.2%	1.42	1.12	0.75	1.42	13.6%
14	1.67	1.36	0.9	0.53	1.36	-18.6%	1.92	1.5	0.98	1.92	15.0%
15	3.89	3.19	2.15	1.29	3.19	-18.0%	4.44	3.56	2.36	4.44	14.1%
16	26.66	23.39	16.26	10.05	23.39	-12.3%	29.42	25.67	18.37	29.42	10.4%
17	1.68	1.07	0.65	0.39	1.07	-36.3%	1.71	1.14	0.68	1.71	1.8%
18	5.91	4.41	2.73	1.69	4.41	-25.4%	6.66	4.76	2.92	6.66	12.7%
19	2.17	1.9	1.46	0.88	1.9	-12.4%	2.3	2.23	1.69	2.3	6.0%
20	9.42	7.65	4.76	2.94	7.65	-18.8%	10.95	8.13	5.28	10.95	16.2%
21	11.12	10.36	7.37	4.51	10.36	-6.8%	11.78	11.24	8.35	11.78	5.9%
22	29.26	26.36	18.57	11.48	26.36	-9.9%	31.8	28.7	21.06	31.8	8.7%
23	2.75	2.23	1.66	1	2.23	-18.9%	2.79	2.58	1.86	2.79	1.5%
24	11.60	9.4	6.24	3.82	9.4	-19.0%	13.28	10.33	6.9	13.28	14.5%
25	13.46	11.65	7.9	4.82	11.65	-13.4%	15.96	12.87	8.75	15.96	18.6%
26	20.19	16.78	10.96	6.69	16.78	-16.9%	22.68	18.08	12.09	22.68	12.3%
27	2.47	1.73	0.98	0.62	1.73	-30.0%	2.69	1.75	1.07	2.69	8.9%
28	2.18	1.44	0.93	0.57	1.44	-33.9%	2.27	1.6	0.99	2.27	4.1%
29	9.17	6.96	4.31	2.64	6.96	-24.1%	10.1	7.26	4.63	10.1	10.1%
30	2.34	1.94	1.21	0.73	1.94	-17.1%	2.76	2.08	1.33	2.76	17.9%
31	41.88	36.65	26.07	16.22	36.65	-12.5%	43.14	39.76	29.96	43.14	3.0%
32	2.47	1.54	0.92	0.56	1.54	-37.7%	2.47	1.63	0.95	2.47	0.0%
33	11.57	9.13	5.69	3.47	9.13	-21.1%	12.97	9.59	6.12	12.97	12.1%
34	20.30	18.24	16.5	15.18	18.24	-10.1%	19.34	20.97	25.63	25.63	26.3%
35	2.23	1.82	1.2	0.72	1.82	-18.4%	2.6	2.02	1.31	2.6	16.6%
36	8.11	6.59	4.29	2.61	6.59	-18.7%	9.22	7.19	4.72	9.22	13.7%
37	3.58	2.79	1.87	1.14	2.79	-22.1%	4.07	3.12	2.04	4.07	13.7%
38	4.39	3.52	2.24	1.35	3.52	-19.8%	4.91	3.75	2.45	4.91	11.8%
39	10.83	8.8	5.82	3.52	8.8	-18.7%	12.28	9.66	6.38	12.28	13.4%
40	42.78	37.46	27.1	17.03	37.46	-12.4%	43.69	40.72	31.66	43.69	2.1%
41	1.83	1.23	0.75	0.46	1.23	-32.8%	1.92	1.31	0.8	1.92	4.9%
42	45.77	42.37	32.91	20.54	42.37	-7.4%	46.63	46.43	38.85	46.63	1.9%
43	2.85	1.79	1.15	0.7	1.79	-37.2%	2.87	1.99	1.21	2.87	0.7%
44	20.31	18.25	16.53	15.23	18.25	-10.1%	19.34	20.98	25.69	25.69	26.5%
45	1.72	1.39	0.9	0.54	1.39	-19.2%	1.99	1.53	0.98	1.99	15.7%
46	46.11	42.64	33.49	20.91	42.64	-7.5%	46.72	46.75	39.72	46.75	1.4%
47	1.56	1.13	0.76	0.46	1.13	-27.6%	1.61	1.27	0.83	1.61	3.2%
48	2.51	1.93	1.28	0.78	1.93	-23.1%	2.71	2.14	1.39	2.71	8.0%
49	1.67	1.29	0.78	0.49	1.29	-22.8%	1.85	1.37	0.86	1.85	10.8%
50	5.29	4.23	2.8	1.7	4.23	-20.0%	5.85	4.66	3.07	5.85	10.6%
51	2.59	1.65	0.93	0.57	1.65	-36.3%	2.56	1.67	0.96	2.56	-1.2%
52	4.75	3.62	2.39	1.45	3.62	-23.8%	5.42	4.02	2.56	5.42	14.1%
53	4.76	3.26	2.17	1.31	3.26	-31.5%	5.12	3.7	2.3	5.12	7.6%
54	47.20	43.52	34.83	21.93	43.52	-7.8%	47.17	47.76	41.9	47.76	1.2%
55	2.76	1.73	1	0.61	1.73	-37.3%	2.74	1.79	1.05	2.74	-0.7%
56	8.26	5.59	3.6	2.23	5.59	-32.3%	8.54	6.09	3.88	8.54	3.4%
57	11.42	7.64	4.83	3.01	7.64	-33.1%	11.69	8.23	5.23	11.69	2.4%
58	20.17	18.11	17.79	16.3	18.11	-10.2%	19.02	20.92	26.23	26.23	30.0%
59	4.23	2.54	1.52	0.92	2.54	-40.0%	3.97	2.68	1.57	3.97	-6.1%
60	23.21	20.25	21.11	18.77	21.11	-9.0%	20.73	23.21	28.18	28.18	21.4%
61	5.75	4.55	2.95	1.78	4.55	-20.9%	6.46	4.93	3.23	6.46	12.3%
62	8.96	7.27	4.97	3	7.27	-18.9%	10.13	8.08	5.45	10.13	13.1%
63	2.72	1.96	1.32	0.8	1.96	-27.9%	2.79	2.21	1.44	2.79	2.6%
64	16.01	13.67	9.29	5.65	13.67	-14.6%	17.79	15.04	10.28	17.79	11.1%
65	1.29	1.07	0.67	0.41	1.07	-17.1%	1.53	1.16	0.74	1.53	18.6%
66	48.25	44.43	36.82	23.38	44.43	-7.9%	47.58	48.79	44.91	48.79	1.1%
67	1.55	1.2	0.72	0.44	1.2	-22.6%	1.73	1.26	0.79	1.73	11.6%
68	2.03	1.64	1.06	0.64	1.64	-19.2%	2.32	1.8	1.16	2.32	14.3%
69	19.39	17.69	12.44	7.64	17.69	-8.8%	21.55	19.52	14.02	21.55	11.1%
70	48.43	44.6	37.19	23.72	44.6	-7.9%	47.64	49.03	45.59	49.03	1.2%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
71	2.18	1.41	0.9	0.55	1.41	-35.3%	2.24	1.55	0.95	2.24	2.8%
72	62.77	55.79	48.37	30.24	55.79	-11.1%	61.98	64.46	59.15	64.46	2.7%
73	3.00	2.31	1.49	0.92	2.31	-23.0%	3.44	2.52	1.62	3.44	14.7%
74	18.08	15.63	10.72	6.54	15.63	-13.6%	19.75	17.22	11.92	19.75	9.2%
75	2.07	1.31	0.74	0.45	1.31	-36.7%	2.05	1.33	0.77	2.05	-1.0%
76	7.24	4.98	3.05	1.87	4.98	-31.2%	7.28	5.28	3.23	7.28	0.6%
77	9.43	6.83	4.08	2.53	6.83	-27.6%	9.96	7.06	4.36	9.96	5.6%
78	25.86	22.33	22.9	20.37	22.9	-11.4%	26.92	26.5	29.44	29.44	13.8%
79	2.77	1.76	1.25	0.73	1.76	-36.5%	2.36	1.89	1.3	2.36	-14.8%
80	63.25	56.26	49.13	31.06	56.26	-11.1%	62.33	64.9	60.78	64.9	2.6%
81	2.30	1.42	0.88	0.53	1.42	-38.3%	2.29	1.55	0.91	2.29	-0.4%
82	32.29	26.49	25.74	22.5	26.49	-18.0%	36.47	31.85	32.86	36.47	12.9%
83	1.23	1.21	1.1	0.93	1.21	-1.6%	1.23	1.22	1.26	1.26	2.4%
84	4.56	3.54	2.16	1.34	3.54	-22.4%	5.16	3.73	2.37	5.16	13.2%
85	1.97	1.61	0.97	0.62	1.61	-18.3%	2.24	1.67	1.08	2.24	13.7%
86	3.72	3.13	2.23	1.36	3.13	-15.9%	4.21	3.57	2.48	4.21	13.2%
87	1.97	1.25	0.72	0.44	1.25	-36.5%	1.99	1.29	0.76	1.99	1.0%
88	64.07	57.12	50.28	32.07	57.12	-10.8%	62.93	65.92	62.7	65.92	2.9%
89	1.63	1.21	0.74	0.46	1.21	-25.8%	1.81	1.29	0.81	1.81	11.0%
90	62.24	55.46	49.67	32.34	55.46	-10.9%	58.84	64.53	62.87	64.53	3.7%
91	2.01	1.38	0.78	0.48	1.38	-31.3%	2.09	1.39	0.82	2.09	4.0%
92	6.54	5.6	3.9	2.61	5.6	-14.4%	7.38	5.89	4.26	7.38	12.8%
93	4.73	4.3	3.25	1.97	4.3	-9.1%	5.05	4.96	3.64	5.05	6.8%
94	62.30	55.51	50.04	32.68	55.51	-10.9%	58.89	64.61	63.36	64.61	3.7%
95	2.48	1.56	0.88	0.53	1.56	-37.1%	2.43	1.58	0.9	2.43	-2.0%
96	2.78	1.74	0.98	0.6	1.74	-37.4%	2.7	1.76	1.02	2.7	-2.9%
97	2.74	1.71	1.04	0.63	1.71	-37.6%	2.75	1.84	1.09	2.75	0.4%
98	23.63	23.25	22.85	22.42	23.25	-1.6%	23.61	23.8	25.22	25.22	6.7%
99	2.56	1.81	1.06	0.66	1.81	-29.3%	2.74	1.86	1.13	2.74	7.0%
100	64.12	56.95	52.34	34.54	56.95	-11.2%	60.52	66.9	67.09	67.09	4.6%
101	2.43	1.56	0.87	0.54	1.56	-35.8%	2.42	1.56	0.92	2.42	-0.4%
102	9.58	8.68	6.3	4.19	8.68	-9.4%	10.09	9.31	7.14	10.09	5.3%
103	5.83	3.46	2.06	1.24	3.46	-40.7%	5.38	3.63	2.11	5.38	-7.7%
104	6.88	4.43	2.52	1.54	4.43	-35.6%	6.54	4.44	2.62	6.54	-4.9%
105	2.04	1.26	0.73	0.44	1.26	-38.2%	2.02	1.31	0.76	2.02	-1.0%
106	0.00	0	0	0	0	0.0%	0	0	0	0	0.0%
107	2.93	2.08	1.16	0.73	2.08	-29.0%	2.87	2.04	1.26	2.87	-2.0%
108	10.79	9.57	7.15	4.72	9.57	-11.3%	10.51	10.4	8.14	10.51	-2.6%
109	2.16	1.35	0.86	0.52	1.35	-37.5%	2.17	1.49	0.9	2.17	0.5%
110	0.00	0	0	0	0	0.0%	0	0	0	0	0.0%
111	2.60	1.83	1.09	0.67	1.83	-29.6%	2.81	1.92	1.15	2.81	8.1%
112	64.18	57.01	53.74	35.68	57.01	-11.2%	60.57	66.99	68.73	68.73	7.1%
113	2.27	1.8	1.15	0.7	1.8	-20.7%	2.63	1.97	1.26	2.63	15.9%
114	3.07	2.49	1.4	0.88	2.49	-18.9%	3.7	2.5	1.55	3.7	20.5%
115	2.20	1.5	0.94	0.57	1.5	-31.8%	2.32	1.62	1	2.32	5.5%
116	16.48	11.89	7.36	4.44	11.89	-27.9%	18.23	12.84	7.69	18.23	10.6%
117	30.19	28.93	26.04	24.16	28.93	-4.2%	30.91	28.95	27.3	30.91	2.4%
118	64.22	57.05	54.41	36.22	57.05	-11.2%	60.59	67.04	69.57	69.57	8.3%
119	3.27	2.52	1.4	0.88	2.52	-22.9%	3.66	2.49	1.51	3.66	11.9%
120	7.25	6.26	3.87	2.42	6.26	-13.7%	8.48	6.42	4.26	8.48	17.0%
121	13.33	10.54	6.66	4.18	10.54	-20.9%	14.01	10.91	7.38	14.01	5.1%
122	12.59	11.38	9.31	6.06	11.38	-9.6%	11.66	13.22	10.64	13.22	5.0%
123	18.57	14.61	9.03	5.48	14.61	-21.3%	20.87	15.41	9.56	20.87	12.4%
124	0.01	0	0	0	0	-100.0%	0	0	0	0	-100.0%
125	3.29	2.26	1.26	0.78	2.26	-31.3%	3.47	2.28	1.33	3.47	5.5%
126	87.69	79.75	79.26	60.37	79.75	-9.1%	83.75	90.87	97.29	97.29	10.9%
127	4.34	3.46	2.03	1.26	3.46	-20.3%	5.17	3.57	2.19	5.17	19.1%
128	9.90	8.12	5.17	3.22	8.12	-18.0%	11.29	8.64	5.69	11.29	14.0%
129	3.66	2.93	1.73	1.07	2.93	-19.9%	4.35	3.02	1.86	4.35	18.9%
130	91.63	80.33	85.43	65.31	85.43	-6.8%	84.15	91.63	106.44	106.44	16.2%
131	6.94	5.14	3.1	1.95	5.14	-25.9%	7.61	5.39	3.36	7.61	9.7%
132	20.90	18.03	15.85	10.04	18.03	-13.7%	22.41	23.32	17.95	23.32	11.6%
133	5.75	3.83	2.16	1.36	3.83	-33.4%	5.88	3.88	2.32	5.88	2.3%
134	23.93	20.75	18.45	11.84	20.75	-13.3%	26.11	27.08	21.48	27.08	13.2%
135	3.51	2.32	1.34	0.84	2.32	-33.9%	3.63	2.4	1.42	3.63	3.4%
136	3.25	2.62	1.54	0.97	2.62	-19.4%	3.8	2.65	1.69	3.8	16.9%
137	2.30	1.71	0.95	0.6	1.71	-25.7%	2.5	1.68	1.02	2.5	8.7%
138	27.48	24.02	20.46	13.34	24.02	-12.6%	28.32	30.15	24.46	30.15	9.7%
139	20.61	17.33	11.14	7.13	17.33	-15.9%	23.62	18.35	12.46	23.62	14.6%
140	1.89	1.21	0.7	0.44	1.21	-36.0%	1.88	1.24	0.75	1.88	-0.5%
141	28.75	25.22	21.26	13.92	25.22	-12.3%	28.82	31.17	25.7	31.17	8.4%
142	1.21	0.78	0.4	0.26	0.78	-35.5%	1.17	0.74	0.43	1.17	-3.3%
143	28.20	26.82	22.32	14.77	26.82	-4.9%	29.45	32.35	27.51	32.35	14.7%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
144	29.33	27.61	22.9	15.32	27.61	-5.9%	29.67	32.89	28.71	32.89	12.1%
145	91.73	80.41	87.39	66.76	87.39	-4.7%	84.2	91.73	108.64	108.64	18.4%
146	5.29	3.95	2.37	1.48	3.95	-25.3%	5.79	4.11	2.56	5.79	9.5%
147	5.69	3.94	2.45	1.5	3.94	-30.8%	5.33	3.96	2.61	5.33	-6.3%
148	1.89	1.38	0.81	0.5	1.38	-27.0%	2.04	1.43	0.85	2.04	7.9%
149	4.12	2.98	1.81	1.12	2.98	-27.7%	4.58	3.17	1.93	4.58	11.2%
150	6.90	4.95	2.99	1.84	4.95	-28.3%	7.47	5.25	3.18	7.47	8.3%
151	11.26	8.52	5.35	3.35	8.52	-24.3%	12.03	8.96	5.82	12.03	6.8%
152	1.87	1.27	0.69	0.44	1.27	-32.1%	1.91	1.22	0.75	1.91	2.1%
153	4.81	2.29	2.83	4.4	4.4	-8.5%	2.28	2.42	4.22	4.22	-12.3%
154	7.10	4.69	2.54	1.55	4.69	-33.9%	6.8	4.5	2.62	6.8	-4.2%
155	118.16	92.84	105.2	81.74	105.2	-11.0%	104.45	118.16	137.22	137.22	16.1%
156	2.52	1.69	0.87	0.52	1.69	-32.9%	2.34	1.57	0.88	2.34	-7.1%
157	4.56	3.08	1.65	1.02	3.08	-32.5%	4.41	2.9	1.73	4.41	-3.3%
158	2.67	2.08	1.26	0.78	2.08	-22.1%	3.08	2.19	1.36	3.08	15.4%
159	119.07	92.86	106.77	83.03	106.77	-10.3%	106.6	119.07	138.84	138.84	16.6%
160	4.45	3.02	1.7	1.06	3.02	-32.1%	4.52	3	1.82	4.52	1.6%
161	4.95	3.98	2.35	1.45	3.98	-19.6%	5.78	4.09	2.52	5.78	16.8%
162	18.38	14.31	8.92	5.56	14.31	-22.1%	20.45	14.96	9.67	20.45	11.3%
163	119.61	92.88	107.57	83.55	107.57	-10.1%	107.86	119.61	139.56	139.56	16.7%
164	2.52	1.78	0.99	0.62	1.78	-29.4%	2.69	1.79	1.06	2.69	6.7%
165	16.52	14.56	9.55	8.29	14.56	-11.9%	19.23	14.69	10.23	19.23	16.4%
166	10.94	9.11	5.38	3.32	9.11	-16.7%	12.77	9.19	5.82	12.77	16.7%
167	16.31	14.13	9.27	8.12	14.13	-13.4%	18.73	14.24	9.89	18.73	14.8%
168	2.02	1.36	0.81	0.5	1.36	-32.7%	2.12	1.42	0.87	2.12	5.0%
169	2.53	1.68	0.92	0.57	1.68	-33.6%	2.52	1.65	0.99	2.52	-0.4%
170	4.41	3.05	1.71	1.08	3.05	-30.8%	4.59	3.04	1.86	4.59	4.1%
171	18.62	16.55	10.76	8.94	16.55	-11.1%	21.64	16.65	11.61	21.64	16.2%
172	2.89	2.4	1.45	0.89	2.4	-17.0%	3.36	2.47	1.59	3.36	16.3%
173	3.89	3.13	1.76	1.08	3.13	-19.5%	4.53	3.13	1.89	4.53	16.5%
174	127.28	106.24	113.44	88.11	113.44	-10.9%	122.92	129.79	147.62	147.62	16.0%
175	7.39	6.24	3.9	2.39	6.24	-15.6%	8.65	6.59	4.28	8.65	17.1%
176	2.01	1.7	1.05	0.64	1.7	-15.4%	2.36	1.8	1.15	2.36	17.4%
177	2.88	2.36	1.4	0.86	2.36	-18.1%	3.41	2.45	1.54	3.41	18.4%
178	4.99	4.11	2.5	1.52	4.11	-17.6%	5.83	4.28	2.72	5.83	16.8%
179	6.86	5.03	2.9	1.79	5.03	-26.7%	7.43	5.04	3.09	7.43	8.3%
180	2.05	1.46	0.79	0.5	1.46	-28.8%	2.19	1.44	0.85	2.19	6.8%
181	128.85	111.39	115.66	89.89	115.66	-10.2%	127.57	132.93	150.58	150.58	16.9%
182	2.37	1.58	0.92	0.57	1.58	-33.3%	2.49	1.65	0.98	2.49	5.1%
183	6.02	4.57	2.86	1.78	4.57	-24.1%	6.68	4.87	3.12	6.68	11.0%
184	1.41	0.9	0.51	0.31	0.9	-36.2%	1.42	0.92	0.53	1.42	0.7%
185	9.68	8.06	5.06	3.12	8.06	-16.7%	11.38	8.58	5.5	11.38	17.6%
186	2.34	1.97	1.11	0.67	1.97	-15.8%	2.87	1.96	1.2	2.87	22.6%
187	2.62	2.14	1.3	0.79	2.14	-18.3%	3.12	2.24	1.41	3.12	19.1%
188	2.36	1.86	1.06	0.67	1.86	-21.2%	2.64	1.86	1.17	2.64	11.9%
189	5.31	4.48	2.69	1.64	4.48	-15.6%	6.34	4.62	2.93	6.34	19.4%
190	1.97	1.55	0.86	0.52	1.55	-21.3%	2.2	1.52	0.9	2.2	11.7%
191	128.95	112.06	115.82	90.21	115.82	-10.2%	127.73	133.07	150.98	150.98	17.1%
192	13.13	11.2	7.08	4.42	11.2	-14.7%	15.19	11.62	7.78	15.19	15.7%
193	23.79	21.7	14.05	10.7	21.7	-8.8%	26.97	21.57	15.26	26.97	13.4%
194	2.19	1.77	0.95	0.58	1.77	-19.2%	2.5	1.67	1	2.5	14.2%
195	9.89	7.54	4.04	2.48	7.54	-23.8%	10.43	7.03	4.23	10.43	5.5%
196	2.33	1.73	1.07	0.66	1.73	-25.8%	2.48	1.86	1.14	2.48	6.4%
197	37.88	33.67	21.81	14.78	33.67	-11.1%	42.41	33.9	23.56	42.41	12.0%
198	12.45	10.02	5.44	3.39	10.02	-19.5%	13.79	9.25	5.81	13.79	10.8%
199	129.06	112.8	115.98	90.62	115.98	-10.1%	127.91	133.22	151.47	151.47	17.4%
200	1.75	1.36	0.76	0.48	1.36	-22.3%	2.02	1.37	0.84	2.02	15.4%
201	39.28	35.13	22.85	15.37	35.13	-10.6%	43.59	35.4	24.72	43.59	11.0%
202	12.54	10.62	6.46	3.95	10.62	-15.3%	14.92	10.97	7.01	14.92	19.0%
203	39.82	36.01	23.5	15.76	36.01	-9.6%	44.12	36.26	25.49	44.12	10.8%
204	11.87	10.77	7	4.25	10.77	-9.3%	12.79	11.03	7.84	12.79	7.8%
205	129.82	117.56	117.97	92.79	117.97	-9.1%	129.49	134.8	154.65	154.65	19.1%
206	1.94	1.49	0.87	0.54	1.49	-23.2%	2.12	1.55	0.96	2.12	9.3%
207	52.25	47.07	30.39	19.48	47.07	-9.9%	57.91	47.28	33.09	57.91	10.8%
208	2.63	2.28	1.32	0.81	2.28	-13.3%	3.17	2.26	1.45	3.17	20.5%
209	134.90	127.03	121.89	96.13	127.03	-5.8%	139.42	142.57	161.15	161.15	19.5%
210	2.02	1.36	0.76	0.47	1.36	-32.7%	2.04	1.34	0.81	2.04	1.0%
211	135.12	128.02	122.32	96.7	128.02	-5.3%	139.78	143.16	162.11	162.11	20.0%
212	3.06	2.19	1.19	0.72	2.19	-28.4%	3.04	2.11	1.22	3.04	-0.7%
213	54.27	50.61	33.07	21.33	50.61	-6.7%	59.18	50.17	36.75	59.18	9.0%
214	3.97	3.12	1.73	1.12	3.12	-21.4%	4.44	3.04	1.84	4.44	11.8%
215	135.16	128.2	122.39	97.07	128.2	-5.1%	139.83	143.26	162.46	162.46	20.2%
216	54.38	51.6	33.92	22.06	51.6	-5.1%	59.35	50.74	38.26	59.35	9.1%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
217	139.15	129.92	123.29	97.92	129.92	-6.6%	140.53	144.68	163.99	163.99	17.9%
218	0.25	0.06	0.1	0.19	0.19	-24.0%	0.06	0.1	0.17	0.17	-32.0%
219	3.91	2.92	1.58	0.97	2.92	-25.3%	4.27	2.81	1.69	4.27	9.2%
220	2.02	1.25	0.76	0.46	1.25	-38.1%	2.01	1.34	0.79	2.01	-0.5%
221	3.29	2.04	1.32	0.79	2.04	-38.0%	3.26	2.29	1.37	3.26	-0.9%
222	8.39	6.44	4.18	2.5	6.44	-23.2%	9.88	7.2	4.4	9.88	17.8%
223	8.11	6.79	4.22	2.62	6.79	-16.3%	9.32	6.97	4.59	9.32	14.9%
224	3.24	2.21	1.34	0.84	2.21	-31.8%	3.2	2.29	1.45	3.2	-1.2%
225	3.70	2.66	1.57	0.97	2.66	-28.1%	3.89	2.75	1.66	3.89	5.1%
226	2.68	1.75	1.06	0.66	1.75	-34.7%	2.68	1.85	1.13	2.68	0.0%
227	6.92	4.82	2.95	1.82	4.82	-30.3%	7.14	5.1	3.14	7.14	3.2%
228	1.80	1.17	0.71	0.44	1.17	-35.0%	1.81	1.23	0.76	1.81	0.6%
229	9.28	6.56	4	2.47	6.56	-29.3%	9.63	6.91	4.27	9.63	3.8%
230	3.97	3.04	1.87	1.13	3.04	-23.4%	4.51	3.24	1.96	4.51	13.6%
231	19.03	16.36	10.55	6.47	16.36	-14.0%	22.34	17.25	11.47	22.34	17.4%
232	2.03	1.68	0.94	0.59	1.68	-17.2%	2.38	1.66	1.04	2.38	17.2%
233	33.41	30.76	20.56	12.61	30.76	-7.9%	34.55	30.62	22.99	34.55	3.4%
234	0.65	0.43	0.47	0.55	0.55	-15.4%	0.64	0.58	0.55	0.64	-1.5%
235	187.71	181.67	143.41	120.29	181.67	-3.2%	199.92	195.59	200.96	200.96	7.1%
236	1.30	0.8	0.49	0.3	0.8	-38.5%	1.29	0.87	0.51	1.29	-0.8%
237	33.98	32.58	22.1	13.52	32.58	-4.1%	35.57	31.97	24.99	35.57	4.7%
238	4.19	3.38	2.07	1.28	3.38	-19.3%	4.88	3.56	2.29	4.88	16.5%
239	0.65	0.43	0.47	0.55	0.55	-15.4%	0.64	0.58	0.55	0.64	-1.5%
240	2.81	1.61	0.83	0.5	1.61	-42.7%	2.28	1.48	0.83	2.28	-18.9%
241	22.54	20.36	13.32	8.12	20.36	-9.7%	25.77	21.43	14.52	25.77	14.3%
242	12.81	10.1	6.18	3.8	10.1	-21.2%	13.82	10.32	6.63	13.82	7.9%
243	23.70	22.25	14.51	9	22.25	-6.1%	26.2	22.68	16.38	26.2	10.5%
244	2.81	2.08	1.24	0.77	2.08	-26.0%	3.11	2.18	1.34	3.11	10.7%
245	188.38	182.59	144.09	122.18	182.59	-3.1%	200.45	196.6	202.7	202.7	7.6%
246	2.44	1.42	0.78	0.47	1.42	-41.8%	2.13	1.39	0.79	2.13	-12.7%
247	4.55	2.51	1.32	0.77	2.51	-44.8%	3.55	2.32	1.29	3.55	-22.0%
248	2.34	1.51	0.83	0.51	1.51	-35.5%	2.3	1.5	0.86	2.3	-1.7%
249	8.81	4.88	2.66	1.6	4.88	-44.6%	7.04	4.7	2.68	7.04	-20.1%
250	35.10	34.34	23.71	14.82	34.34	-2.2%	36.26	33.22	27.81	36.26	3.3%
251	188.46	182.72	144.16	122.89	182.72	-3.0%	200.5	196.72	203.26	203.26	7.9%
252	5.21	2.87	1.52	0.9	2.87	-44.9%	4.13	2.72	1.53	4.13	-20.7%
253	15.00	12.56	8.3	4.99	12.56	-16.3%	16.44	13.27	8.99	16.44	9.6%
254	3.19	2.41	1.42	0.88	2.41	-24.5%	3.61	2.5	1.53	3.61	13.2%
255	217.18	208.4	156.02	136.6	208.4	-4.0%	224.07	222.55	224.24	224.24	3.3%
256	11.54	7.05	3.91	2.33	7.05	-38.9%	10.12	6.88	3.97	10.12	-12.3%
257	15.83	13.95	9.54	6.15	13.95	-11.9%	16.59	14.07	11.48	16.59	4.8%
258	22.27	20.22	13.94	8.69	20.22	-9.2%	24.63	18.75	16.88	24.63	10.6%
259	217.80	208.55	156.16	137.65	208.55	-4.2%	224.15	222.68	225.01	225.01	3.3%
260	4.79	3.5	2.08	1.28	3.5	-26.9%	5.15	3.58	2.22	5.15	7.5%
261	5.46	4.37	2.87	1.77	4.37	-20.0%	6.39	4.79	3.1	6.39	17.0%
262	10.27	8.51	5.52	3.4	8.51	-17.1%	11.66	9.2	5.97	11.66	13.5%
263	226.32	217.11	166.3	145.38	217.11	-4.1%	232.2	231.36	234.72	234.72	3.7%
264	1.91	1.37	0.82	0.51	1.37	-28.3%	2.1	1.43	0.9	2.1	9.9%
265	3.62	2.9	1.82	1.12	2.9	-19.9%	4.09	3.11	2.01	4.09	13.0%
266	2.24	1.74	1.05	0.65	1.74	-22.3%	2.5	1.84	1.16	2.5	11.6%
267	5.61	4.41	3	1.79	4.41	-21.4%	6.35	4.97	3.23	6.35	13.2%
268	1.81	1.43	0.84	0.52	1.43	-21.0%	2.09	1.49	0.93	2.09	15.5%
269	3.39	2.81	1.73	1.05	2.81	-17.1%	4.02	2.99	1.89	4.02	18.6%
270	2.02	1.64	0.99	0.61	1.64	-18.8%	2.38	1.72	1.09	2.38	17.8%
271	8.03	6.5	4.38	2.62	6.5	-19.1%	9.38	7.31	4.73	9.38	16.8%
272	4.11	3.39	2.41	1.44	3.39	-17.5%	4.55	3.85	2.64	4.55	10.7%
273	5.29	4.25	2.72	1.65	4.25	-19.7%	5.9	4.56	2.98	5.9	11.5%
274	2.08	1.65	0.96	0.6	1.65	-20.7%	2.41	1.71	1.06	2.41	15.9%
275	7.99	6.49	3.98	2.44	6.49	-18.8%	9.36	6.88	4.4	9.36	17.1%
276	0.91	0.55	0.28	0.18	0.55	-39.6%	0.86	0.52	0.31	0.86	-5.5%
277	10.04	8.2	5.01	3.06	8.2	-18.3%	11.73	8.66	5.52	11.73	16.8%
278	5.98	4.84	3.21	1.97	4.84	-19.1%	6.76	5.33	3.53	6.76	13.0%
279	10.92	8.91	5.55	3.38	8.91	-18.4%	12.58	9.48	6.09	12.58	15.2%
280	2.77	2.29	1.66	0.99	2.29	-17.3%	3.05	2.64	1.81	3.05	10.1%
281	10.10	8.27	5.67	3.43	8.27	-18.1%	11.04	9.24	6.25	11.04	9.3%
282	3.26	2.65	1.64	0.99	2.65	-18.7%	3.79	2.83	1.8	3.79	16.3%
283	8.08	7.24	4.81	2.94	7.24	-10.4%	9.22	7.87	5.34	9.22	14.1%
284	4.52	3.64	2.4	1.46	3.64	-19.5%	5.18	4.04	2.63	5.18	14.6%
285	1.81	1.43	0.84	0.52	1.43	-21.0%	2.06	1.49	0.93	2.06	13.8%
286	9.82	8.13	5.44	3.27	8.13	-17.2%	11.51	9.04	5.89	11.51	17.2%
287	9.94	9.08	6.25	3.86	9.08	-8.7%	10.87	9.81	7.04	10.87	9.4%
288	26.62	23.28	16.16	9.98	23.28	-12.5%	29.4	25.58	18.22	29.4	10.4%
289	3.41	2.85	1.99	1.18	2.85	-16.4%	3.83	3.18	2.19	3.83	12.3%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
290	2.25	1.89	1.34	0.79	1.89	-16.0%	2.48	2.11	1.47	2.48	10.2%
291	3.34	2.71	1.79	1.08	2.71	-18.9%	3.86	3.01	1.97	3.86	15.6%
292	29.26	26.35	18.56	11.47	26.35	-9.9%	31.8	28.69	21.04	31.8	8.7%
293	10.81	10.11	7.15	4.38	10.11	-6.5%	11.69	11	8.07	11.69	8.1%
294	19.54	16.11	10.47	6.39	16.11	-17.6%	22.03	17.37	11.54	22.03	12.7%
295	20.30	18.25	16.52	15.22	18.25	-10.1%	19.34	20.97	25.67	25.67	26.5%
296	25.70	25.36	23.95	23.08	25.36	-1.3%	25.8	25.27	25.47	25.8	0.4%
297	27.39	26.74	24.76	23.5	26.74	-2.4%	27.84	26.62	26.2	27.84	1.6%
298	15.30	10.39	6.47	3.89	10.39	-32.1%	16.25	11.32	6.72	16.25	6.2%
299	1.23	1.21	1.1	0.92	1.21	-1.6%	1.23	1.23	1.25	1.25	1.6%
300	3.43	2.85	1.71	1.07	2.85	-16.9%	4.15	2.97	1.89	4.15	21.0%
301	6.91	5.31	3.2	1.97	5.31	-23.2%	7.75	5.58	3.5	7.75	12.2%
302	16.04	13.27	8.34	5.2	13.27	-17.3%	18.7	14.01	9.17	18.7	16.6%
303	6.03	4.58	2.75	1.69	4.58	-24.0%	6.47	4.66	2.98	6.47	7.3%
304	3.94	3.09	1.81	1.11	3.09	-21.6%	4.45	3.2	1.93	4.45	12.9%
305	12.35	9.47	5.93	3.75	9.47	-23.3%	12.76	9.83	6.58	12.76	3.3%
306	8.74	7.49	4.53	2.75	7.49	-14.3%	10.19	7.69	4.94	10.19	16.6%
307	0.09	0.02	0.03	0.06	0.06	-33.3%	0.02	0.03	0.05	0.05	-44.4%
308	23.56	21.71	14.2	8.73	21.71	-7.9%	26.04	22.45	15.78	26.04	10.5%
309	12.69	9.8	5.98	3.66	9.8	-22.8%	13.48	10.04	6.4	13.48	6.2%
310	217.72	208.53	156.13	137.52	208.53	-4.2%	224.13	222.66	224.92	224.92	3.3%
311	21.50	18.92	13.17	8.2	18.92	-12.0%	23.12	17.34	15.83	23.12	7.5%
312	4.60	3.29	1.94	1.2	3.29	-28.5%	4.84	3.38	2.08	4.84	5.2%
313	3.96	2.98	1.83	1.1	2.98	-24.7%	4.43	3.16	1.92	4.43	11.9%
314	18.88	15.85	10.16	6.24	15.85	-16.0%	22.11	16.71	11.05	22.11	17.1%
315	7.35	4.64	2.98	1.82	4.64	-36.9%	7.3	5.15	3.14	7.3	-0.7%
316	5.09	3.85	2.39	1.47	3.85	-24.4%	5.86	4.17	2.53	5.86	15.1%
317	23.54	21.38	13.83	10.58	21.38	-9.2%	26.67	21.28	15.01	26.67	13.3%
318	13.05	11.13	7.03	4.38	11.13	-14.7%	15.12	11.55	7.71	15.12	15.9%
319	4.76	2.37	3.75	4.38	4.38	-8.0%	2.39	3.35	4.66	4.66	-2.1%
320	4.31	2.35	3.98	4.07	4.07	-5.6%	2.32	3.62	4.48	4.48	3.9%
321	4.27	2.84	4.11	4.04	4.11	-3.7%	2.42	3.66	4.49	4.49	5.2%
322	4.22	3.46	4.08	4.01	4.08	-3.3%	3.28	3.65	4.44	4.44	5.2%
323	3.66	3.48	3.55	3.63	3.63	-0.8%	3.4	3.61	3.83	3.83	4.6%
324	3.64	3.48	3.55	3.62	3.62	-0.5%	3.5	3.61	3.81	3.81	4.7%
325	20.58	17.29	11.13	7.05	17.29	-16.0%	23.55	18.33	12.4	23.55	14.4%
326	17.06	14.28	9.05	5.69	14.28	-16.3%	19.89	15.1	10.01	19.89	16.6%
327	3.42	2.14	1.27	0.79	2.14	-37.4%	3.41	2.26	1.34	3.41	-0.3%
328	2.91	2.21	1.3	0.81	2.21	-24.1%	3.37	2.3	1.4	3.37	15.8%
329	0.88	0.67	0.38	0.23	0.67	-23.9%	1	0.68	0.41	1	13.6%
330	10.96	9.98	6.29	3.85	9.98	-8.9%	12.42	10.24	7.01	12.42	13.3%
331	9.24	6.62	3.5	2.16	6.62	-28.4%	9.18	6.22	3.65	9.18	-0.6%
332	6.05	4.19	2.34	1.46	4.19	-30.7%	6.25	4.14	2.5	6.25	3.3%
333	1.98	1.21	0.74	0.44	1.21	-38.9%	1.96	1.31	0.76	1.96	-1.0%
334	14.84	12.2	7.63	4.73	12.2	-17.8%	17.34	12.9	8.35	17.34	16.8%
335	2.00	1.34	0.78	0.48	1.34	-33.0%	2.09	1.39	0.83	2.09	4.5%
336	4.00	2.69	1.58	0.99	2.69	-32.8%	4.09	2.8	1.7	4.09	2.3%
337	2.58	1.65	0.93	0.58	1.65	-36.0%	2.55	1.66	1	2.55	-1.2%
338	2.77	1.77	1.11	0.68	1.77	-36.1%	2.76	1.93	1.17	2.76	-0.4%
339	4.77	2.96	1.83	1.11	2.96	-37.9%	4.67	3.2	1.9	4.67	-2.1%
340	4.23	3.03	1.98	1.21	3.03	-28.4%	4.52	3.33	2.13	4.52	6.9%
341	2.02	1.61	1.01	0.62	1.61	-20.3%	2.28	1.74	1.11	2.28	12.9%
342	21.12	18.43	17.77	16.22	18.43	-12.7%	19.48	21.18	26.82	26.82	27.0%
343	15.75	10.89	6.74	4.07	10.89	-30.9%	16.92	11.81	7.02	16.92	7.4%
344	5.33	4.29	2.65	1.66	4.29	-19.5%	6.22	4.54	2.9	6.22	16.7%
345	1.52	1.04	0.64	0.4	1.04	-31.6%	1.59	1.1	0.69	1.59	4.6%
346	1.34	0.85	0.52	0.31	0.85	-36.6%	1.36	0.91	0.53	1.36	1.5%
347	1.94	1.25	0.71	0.44	1.25	-35.6%	1.99	1.27	0.75	1.99	2.6%
348	11.55	9.74	6.12	3.78	9.74	-15.7%	13.53	10.22	6.66	13.53	17.1%
349	11.99	10.02	6.04	3.69	10.02	-16.4%	14.3	10.31	6.54	14.3	19.3%
350	3.32	2.17	1.33	0.81	2.17	-34.6%	3.3	2.31	1.4	3.3	-0.6%
351	52.69	48.08	31.14	20	48.08	-8.7%	58.41	48.05	34.07	58.41	10.9%
352	5.00	3.82	1.95	1.23	3.82	-23.6%	5.4	3.48	2.07	5.4	8.0%
353	5.99	3.87	1.99	1.22	3.87	-35.4%	5.56	3.59	2.05	5.56	-7.2%
354	1.68	1.3	0.73	0.45	1.3	-22.6%	1.86	1.31	0.79	1.86	10.7%
355	34.35	33.37	22.78	14.03	33.37	-2.9%	35.8	32.42	26.11	35.8	4.2%
356	34.82	33.9	23.31	14.47	33.9	-2.6%	36.08	32.89	27.05	36.08	3.6%
357	1.81	1.33	0.78	0.49	1.33	-26.5%	2.02	1.39	0.84	2.02	11.6%
358	14.58	11.42	7.5	4.49	11.42	-21.7%	16.17	12.48	7.92	16.17	10.9%
359	13.23	9	6.06	3.64	9	-32.0%	13.8	10.32	6.38	13.8	4.3%
360	14.96	12.03	7.91	4.74	12.03	-19.6%	16.37	13.1	8.4	16.37	9.4%
361	9.33	8.29	5.92	3.95	8.29	-11.1%	9.85	8.87	6.63	9.85	5.6%
362	2.58	1.79	1.03	0.64	1.79	-30.6%	2.73	1.83	1.11	2.73	5.8%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
363	1.75	1.16	0.7	0.44	1.16	-33.7%	1.81	1.23	0.75	1.81	3.4%
364	1.76	1.11	0.69	0.42	1.11	-36.9%	1.78	1.21	0.72	1.78	1.1%
365	2.09	1.47	0.86	0.54	1.47	-29.7%	2.27	1.51	0.93	2.27	8.6%
366	2.03	1.32	0.74	0.46	1.32	-35.0%	2	1.32	0.78	2	-1.5%
367	5.91	4.81	3.73	5.17	5.17	-12.5%	6.14	4.98	4.52	6.14	3.9%
368	1.85	1.1	0.63	0.39	1.1	-40.5%	1.76	1.13	0.66	1.76	-4.9%
369	4.64	3.58	2.24	1.4	3.58	-22.8%	5.21	3.88	2.43	5.21	12.3%
370	2.88	2.03	1.24	0.77	2.03	-29.5%	3.03	2.16	1.34	3.03	5.2%
371	2.06	1.27	0.83	0.5	1.27	-38.3%	2.04	1.43	0.87	2.04	-1.0%
372	1.89	1.21	0.71	0.43	1.21	-36.0%	1.93	1.26	0.75	1.93	2.1%
373	4.11	2.87	1.6	0.99	2.87	-30.2%	4.26	2.84	1.69	4.26	3.6%
374	1.39	0.95	0.46	0.27	0.95	-31.7%	1.3	0.84	0.46	1.3	-6.5%
375	3.89	3.09	1.93	1.17	3.09	-20.6%	4.43	3.32	2.12	4.43	13.9%
376	2.93	2.25	1.34	0.83	2.25	-23.2%	3.24	2.37	1.49	3.24	10.6%
377	18.47	14.23	8.79	5.32	14.23	-23.0%	20.65	15.05	9.29	20.65	11.8%
378	117.99	92.83	105.01	81.42	105.01	-11.0%	104.08	117.99	136.81	136.81	16.0%
379	0.99	0.62	0.35	0.22	0.62	-37.4%	0.99	0.63	0.37	0.99	0.0%
380	7.57	5.77	3.57	2.22	5.77	-23.8%	8.04	5.98	3.87	8.04	6.2%
381	1.38	1.07	0.65	0.4	1.07	-22.5%	1.54	1.13	0.72	1.54	11.6%
382	2.01	1.59	0.96	0.59	1.59	-20.9%	2.26	1.67	1.04	2.26	12.4%
383	0.46	0.33	0.17	0.11	0.33	-28.3%	0.5	0.31	0.18	0.5	8.7%
384	22.07	19.7	12.7	9.96	19.7	-10.7%	24.94	19.61	13.74	24.94	13.0%
385	52.25	47.05	30.37	19.48	47.05	-10.0%	57.91	47.27	33.07	57.91	10.8%
386	3.32	2.59	1.71	1.05	2.59	-22.0%	3.66	2.88	1.88	3.66	10.2%
387	1.85	1.49	0.97	0.59	1.49	-19.5%	2.13	1.65	1.07	2.13	15.1%
388	7.96	6.47	3.96	2.42	6.47	-18.7%	9.32	6.85	4.37	9.32	17.1%
389	64.17	57	53.3	35.38	57	-11.2%	60.56	66.97	68.36	68.36	6.5%
390	0.46	0.32	0.15	0.09	0.32	-30.4%	0.44	0.28	0.15	0.44	-4.3%
391	2.72	2.04	1.2	0.75	2.04	-25.0%	2.98	2.12	1.3	2.98	9.6%
392	0.97	0.7	0.4	0.25	0.7	-27.8%	1.08	0.7	0.43	1.08	11.3%
393	0.49	0.36	0.19	0.12	0.36	-26.5%	0.55	0.34	0.21	0.55	12.2%
394	1.84	1.28	0.83	0.51	1.28	-30.4%	1.92	1.4	0.9	1.92	4.3%
395	2.86	1.82	1.01	0.63	1.82	-36.4%	2.83	1.81	1.08	2.83	-1.0%
396	1.62	1.03	0.62	0.38	1.03	-36.4%	1.65	1.09	0.66	1.65	1.9%
397	22.49	20.18	13.2	8.05	20.18	-10.3%	25.73	21.28	14.36	25.73	14.4%
398	0.53	0.34	0.19	0.12	0.34	-35.8%	0.54	0.34	0.21	0.54	1.9%
399	0.27	0.16	0.09	0.05	0.16	-40.7%	0.24	0.16	0.08	0.24	-11.1%
400	0.47	0.26	0.36	0.47	0.47	0.0%	0.26	0.39	0.44	0.44	-6.4%
401	3.38	2.82	1.72	1.06	2.82	-16.6%	4.08	2.98	1.89	4.08	20.7%
402	2.26	1.42	0.79	0.48	1.42	-37.2%	2.19	1.42	0.82	2.19	-3.1%
403	1.64	1.03	0.59	0.36	1.03	-37.2%	1.65	1.07	0.62	1.65	0.6%
404	10.39	8.34	4.93	3.04	8.34	-19.7%	11.86	8.45	5.28	11.86	14.1%
405	4.52	2.97	1.74	1.08	2.97	-34.3%	4.57	3.08	1.84	4.57	1.1%
406	3.42	2.16	1.24	0.77	2.16	-36.8%	3.41	2.23	1.31	3.41	-0.3%
407	64.17	57	53.18	35.28	57	-11.2%	60.56	66.97	68.22	68.22	6.3%
408	12.52	11.53	9.04	5.89	11.53	-7.9%	11.81	12.98	10.29	12.98	3.7%
409	12.58	11.37	9.3	6.05	11.37	-9.6%	11.65	13.22	10.61	13.22	5.1%
410	21.01	18.21	15.83	10	18.21	-13.3%	22.61	23.31	17.87	23.31	10.9%
411	2.11	1.69	1.12	0.68	1.69	-19.9%	2.38	1.88	1.22	2.38	12.8%
412	2.82	2.34	1.44	0.87	2.34	-17.0%	3.35	2.5	1.58	3.35	18.8%
413	2.56	1.95	1.24	0.77	1.95	-23.8%	2.83	2.11	1.36	2.83	10.5%
414	4.14	2.65	1.62	0.99	2.65	-36.0%	4.23	2.85	1.72	4.23	2.2%
415	4.18	2.62	1.77	1.07	2.62	-37.3%	4.19	3.02	1.87	4.19	0.2%
416	1.15	0.72	0.42	0.26	0.72	-37.4%	1.15	0.75	0.44	1.15	0.0%
417	1.36	0.86	0.48	0.3	0.86	-36.8%	1.37	0.87	0.5	1.37	0.7%
418	2.44	1.91	1.08	0.65	1.91	-21.7%	2.75	1.92	1.15	2.75	12.7%
419	8.53	7.05	4.38	2.72	7.05	-17.4%	9.99	7.46	4.81	9.99	17.1%
420	29.12	27.46	22.78	15.2	27.46	-5.7%	29.58	32.78	28.48	32.78	12.6%
421	1.06	0.67	0.38	0.23	0.67	-36.8%	1.05	0.68	0.39	1.05	-0.9%
422	11.06	6.83	4.62	2.76	6.83	-38.2%	10.73	7.87	4.82	10.73	-3.0%
423	5.17	3.17	2.18	1.31	3.17	-38.7%	5.08	3.71	2.27	5.08	-1.7%
424	4.19	2.55	1.75	1.05	2.55	-39.1%	4.12	2.98	1.83	4.12	-1.7%
425	1.11	0.66	0.33	0.18	0.66	-40.5%	0.86	0.56	0.31	0.86	-22.5%
426	1.22	0.94	0.55	0.35	0.94	-23.0%	1.36	0.97	0.61	1.36	11.5%
427	1.93	1.3	0.79	0.48	1.3	-32.6%	2.04	1.38	0.84	2.04	5.7%
428	2.22	1.4	0.8	0.48	1.4	-36.9%	2.2	1.43	0.82	2.2	-0.9%
429	34.72	29.67	19.86	12.11	29.67	-14.5%	38.35	32.4	22.01	38.35	10.5%
430	0.63	0.39	0.2	0.11	0.39	-38.1%	0.56	0.36	0.19	0.56	-11.1%
431	1.68	1.06	0.61	0.37	1.06	-36.9%	1.69	1.09	0.64	1.69	0.6%
432	1.16	0.75	0.41	0.25	0.75	-35.3%	1.15	0.74	0.42	1.15	-0.9%
433	2.45	1.58	0.81	0.5	1.58	-35.5%	2.33	1.45	0.85	2.33	-4.9%
434	1.71	1.12	0.64	0.4	1.12	-34.5%	1.77	1.15	0.69	1.77	3.5%
435	0.90	0.57	0.3	0.19	0.57	-36.7%	0.86	0.54	0.32	0.86	-4.4%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
436	9.02	7.97	5.67	3.78	7.97	-11.6%	9.71	8.52	6.33	9.71	7.6%
437	8.06	7.03	4.96	3.32	7.03	-12.8%	8.83	7.44	5.48	8.83	9.6%
438	7.76	6.7	4.72	3.16	6.7	-13.7%	8.55	7.09	5.2	8.55	10.2%
439	7.63	6.55	4.62	3.08	6.55	-14.2%	8.43	6.94	5.08	8.43	10.5%
440	6.52	5.58	3.89	2.61	5.58	-14.4%	7.36	5.87	4.25	7.36	12.9%
441	6.40	5.46	3.81	2.56	5.46	-14.7%	7.27	5.76	4.16	7.27	13.6%
442	6.05	5.15	3.58	2.41	5.15	-14.9%	6.9	5.42	3.9	6.9	14.0%
443	9.53	8.59	6.2	4.13	8.59	-9.9%	10.06	9.21	6.97	10.06	5.6%
444	9.58	8.68	6.28	4.19	8.68	-9.4%	10.09	9.29	7.14	10.09	5.3%
445	0.80	0.61	0.35	0.21	0.61	-23.8%	0.91	0.63	0.38	0.91	13.8%
446	0.52	0.39	0.22	0.13	0.39	-25.0%	0.6	0.38	0.24	0.6	15.4%
447	2.22	1.75	1.07	0.67	1.75	-21.2%	2.48	1.86	1.18	2.48	11.7%
448	1.39	1.08	0.65	0.41	1.08	-22.3%	1.55	1.14	0.73	1.55	11.5%
449	1.21	0.93	0.52	0.33	0.93	-23.1%	1.37	0.94	0.58	1.37	13.2%
450	0.12	0.09	0.03	0.03	0.09	-25.0%	0.11	0.07	0.04	0.11	-8.3%
451	0.55	0.35	0.19	0.12	0.35	-36.4%	0.53	0.34	0.21	0.53	-3.6%
452	0.32	0.19	0.11	0.07	0.19	-40.6%	0.3	0.19	0.11	0.3	-6.3%
453	4.04	2.88	2.01	1.21	2.88	-28.7%	4.05	3.31	2.19	4.05	0.2%
454	0.86	0.57	0.33	0.2	0.57	-33.7%	0.9	0.59	0.35	0.9	4.7%
455	3.68	3	2.11	1.27	3	-18.5%	4.19	3.44	2.29	4.19	13.9%
456	0.16	0.13	0.08	0.05	0.13	-18.8%	0.19	0.13	0.08	0.19	18.8%
457	0.88	0.61	0.36	0.23	0.61	-30.7%	0.95	0.63	0.39	0.95	8.0%
458	0.36	0.23	0.11	0.07	0.23	-36.1%	0.32	0.2	0.11	0.32	-11.1%
459	1.11	0.67	0.36	0.23	0.67	-39.6%	1.06	0.66	0.39	1.06	-4.5%
460	1.75	1.12	0.62	0.39	1.12	-36.0%	1.78	1.13	0.66	1.78	1.7%
461	2.39	1.52	0.84	0.53	1.52	-36.4%	2.37	1.52	0.9	2.37	-0.8%
462	1.03	0.69	0.45	0.27	0.69	-33.0%	1.08	0.76	0.48	1.08	4.9%
463	0.43	0.27	0.15	0.1	0.27	-37.2%	0.44	0.28	0.16	0.44	2.3%
464	0.60	0.4	0.22	0.14	0.4	-33.3%	0.62	0.41	0.25	0.62	3.3%
465	0.21	0.13	0.06	0.03	0.13	-38.1%	0.19	0.11	0.06	0.19	-9.5%
466	0.59	0.45	0.25	0.16	0.45	-23.7%	0.68	0.45	0.28	0.68	15.3%
467	2.38	1.87	1.06	0.66	1.87	-21.4%	2.79	1.9	1.17	2.79	17.2%
468	1.72	1.09	0.62	0.39	1.09	-36.6%	1.75	1.12	0.66	1.75	1.7%
469	1.04	0.65	0.37	0.22	0.65	-37.5%	1.04	0.67	0.38	1.04	0.0%
470	0.62	0.39	0.22	0.13	0.39	-37.1%	0.63	0.4	0.23	0.63	1.6%
471	0.54	0.31	0.17	0.11	0.31	-42.6%	0.5	0.32	0.18	0.5	-7.4%
472	0.41	0.24	0.13	0.08	0.24	-41.5%	0.38	0.24	0.13	0.38	-7.3%
473	0.66	0.41	0.22	0.14	0.41	-37.9%	0.63	0.39	0.24	0.63	-4.5%
474	2.20	1.45	0.84	0.53	1.45	-34.1%	2.28	1.5	0.9	2.28	3.6%
475	1.88	1.23	0.71	0.44	1.23	-34.6%	1.95	1.27	0.76	1.95	3.7%
476	0.22	0.13	0.07	0.04	0.13	-40.9%	0.2	0.13	0.07	0.2	-9.1%
477	0.28	0.19	0.09	0.06	0.19	-32.1%	0.26	0.17	0.09	0.26	-7.1%
478	0.59	0.37	0.21	0.13	0.37	-37.3%	0.6	0.38	0.22	0.6	1.7%
479	1.00	0.63	0.35	0.22	0.63	-37.0%	0.98	0.62	0.37	0.98	-2.0%
480	2.29	1.49	0.86	0.53	1.49	-34.9%	2.29	1.51	0.91	2.29	0.0%
481	2.56	1.81	1.06	0.65	1.81	-29.3%	2.74	1.86	1.12	2.74	7.0%
482	0.06	0.04	0.03	0.02	0.04	-33.3%	0.06	0.04	0.03	0.06	0.0%
483	0.20	0.15	0.08	0.05	0.15	-25.0%	0.22	0.14	0.09	0.22	10.0%
484	0.41	0.33	0.19	0.12	0.33	-19.5%	0.49	0.33	0.21	0.49	19.5%
485	1.07	0.67	0.39	0.23	0.67	-37.4%	1.07	0.69	0.4	1.07	0.0%
486	1.17	0.74	0.41	0.26	0.74	-36.8%	1.15	0.73	0.44	1.15	-1.7%
487	0.22	0.14	0.06	0.04	0.14	-36.4%	0.2	0.12	0.07	0.2	-9.1%
488	0.29	0.17	0.09	0.05	0.17	-41.4%	0.27	0.17	0.09	0.27	-6.9%
489	2.17	1.49	0.93	0.57	1.49	-31.3%	2.31	1.6	0.99	2.31	6.5%
490	0.10	0.07	0.03	0.02	0.07	-30.0%	0.1	0.05	0.03	0.1	0.0%
491	0.34	0.25	0.14	0.08	0.25	-26.5%	0.39	0.24	0.14	0.39	14.7%
492	0.69	0.56	0.31	0.19	0.56	-18.8%	0.82	0.57	0.34	0.82	18.8%
493	0.14	0.09	0.04	0.02	0.09	-35.7%	0.12	0.08	0.04	0.12	-14.3%
494	0.24	0.16	0.08	0.05	0.16	-33.3%	0.25	0.15	0.09	0.25	4.2%
495	0.34	0.2	0.11	0.07	0.2	-41.2%	0.31	0.2	0.11	0.31	-8.8%
496	0.42	0.25	0.13	0.08	0.25	-40.5%	0.38	0.24	0.13	0.38	-9.5%
497	0.85	0.6	0.37	0.23	0.6	-29.4%	0.92	0.64	0.4	0.92	8.2%
498	0.44	0.33	0.2	0.12	0.33	-25.0%	0.5	0.35	0.22	0.5	13.6%
499	0.42	0.29	0.15	0.09	0.29	-31.0%	0.45	0.28	0.16	0.45	7.1%
500	0.51	0.3	0.16	0.1	0.3	-41.2%	0.46	0.29	0.16	0.46	-9.8%
501	0.53	0.34	0.19	0.11	0.34	-35.8%	0.54	0.34	0.2	0.54	1.9%
502	18.57	14.57	9	5.46	14.57	-21.5%	20.86	15.37	9.53	20.86	12.3%
503	0.70	0.47	0.26	0.17	0.47	-32.9%	0.74	0.47	0.29	0.74	5.7%
504	0.97	0.63	0.38	0.23	0.63	-35.1%	1	0.67	0.4	1	3.1%
505	0.38	0.27	0.15	0.1	0.27	-28.9%	0.42	0.27	0.16	0.42	10.5%
506	0.33	0.19	0.1	0.06	0.19	-42.4%	0.3	0.19	0.1	0.3	-9.1%
507	0.49	0.38	0.22	0.13	0.38	-22.4%	0.56	0.39	0.24	0.56	14.3%
508	0.26	0.2	0.1	0.07	0.2	-23.1%	0.29	0.18	0.11	0.29	11.5%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
509	0.76	0.57	0.33	0.2	0.57	-25.0%	0.84	0.58	0.36	0.84	10.5%
510	2.76	1.95	1.15	0.71	1.95	-29.3%	2.89	2	1.24	2.89	4.7%
511	3.33	2.51	1.49	0.92	2.51	-24.6%	3.66	2.59	1.6	3.66	9.9%
512	3.50	2.63	1.57	0.97	2.63	-24.9%	3.83	2.74	1.69	3.83	9.4%
513	1.81	1.21	0.75	0.46	1.21	-33.1%	1.83	1.3	0.79	1.83	1.1%
514	0.66	0.44	0.22	0.13	0.44	-33.3%	0.63	0.4	0.23	0.63	-4.5%
515	0.83	0.54	0.31	0.19	0.54	-34.9%	0.86	0.56	0.33	0.86	3.6%
516	0.35	0.21	0.11	0.07	0.21	-40.0%	0.32	0.2	0.11	0.32	-8.6%
517	0.38	0.26	0.12	0.08	0.26	-31.6%	0.36	0.23	0.13	0.36	-5.3%
518	0.95	0.71	0.42	0.27	0.71	-25.3%	1.06	0.74	0.46	1.06	11.6%
519	1.03	0.69	0.42	0.25	0.69	-33.0%	1.09	0.73	0.44	1.09	5.8%
520	1.47	1.14	0.65	0.41	1.14	-22.4%	1.61	1.15	0.71	1.61	9.5%
521	0.36	0.25	0.15	0.09	0.25	-30.6%	0.38	0.26	0.15	0.38	5.6%
522	0.44	0.3	0.17	0.11	0.3	-31.8%	0.47	0.3	0.19	0.47	6.8%
523	0.50	0.34	0.17	0.11	0.34	-32.0%	0.53	0.32	0.18	0.53	6.0%
524	0.68	0.53	0.29	0.19	0.53	-22.1%	0.78	0.53	0.32	0.78	14.7%
525	2.29	1.34	0.68	0.37	1.34	-41.5%	1.75	1.14	0.62	1.75	-23.6%
526	0.57	0.34	0.18	0.11	0.34	-40.4%	0.52	0.33	0.18	0.52	-8.8%
527	2.61	1.83	1.09	0.67	1.83	-29.9%	2.64	1.88	1.17	2.64	1.1%
528	0.46	0.3	0.13	0.08	0.3	-34.8%	0.38	0.25	0.13	0.38	-17.4%
529	0.15	0.11	0.05	0.03	0.11	-26.7%	0.13	0.09	0.05	0.13	-13.3%
530	1.25	0.81	0.48	0.29	0.81	-35.2%	1.25	0.84	0.5	1.25	0.0%
531	0.46	0.31	0.15	0.09	0.31	-32.6%	0.43	0.28	0.15	0.43	-6.5%
532	0.09	0.07	0.03	0.02	0.07	-22.2%	0.08	0.05	0.03	0.08	-11.1%
533	0.93	0.54	0.29	0.17	0.54	-41.9%	0.84	0.53	0.3	0.84	-9.7%
534	1.37	0.84	0.42	0.26	0.84	-38.7%	1.19	0.76	0.43	1.19	-13.1%
535	0.82	0.62	0.36	0.23	0.62	-24.4%	0.91	0.65	0.4	0.91	11.0%
536	0.85	0.65	0.38	0.23	0.65	-23.5%	0.98	0.68	0.41	0.98	15.3%
537	0.77	0.58	0.33	0.21	0.58	-24.7%	0.86	0.59	0.37	0.86	11.7%
538	0.12	0.07	0.04	0.02	0.07	-41.7%	0.1	0.07	0.03	0.1	-16.7%
539	0.29	0.18	0.09	0.05	0.18	-37.9%	0.27	0.16	0.09	0.27	-6.9%
540	0.44	0.28	0.14	0.09	0.28	-36.4%	0.42	0.27	0.15	0.42	-4.5%
541	0.93	0.73	0.38	0.24	0.73	-21.5%	1.08	0.7	0.42	1.08	16.1%
542	0.47	0.34	0.18	0.11	0.34	-27.7%	0.52	0.33	0.2	0.52	10.6%
543	1.95	1.62	0.93	0.58	1.62	-16.9%	2.37	1.64	1.03	2.37	21.5%
544	0.50	0.37	0.19	0.12	0.37	-26.0%	0.56	0.35	0.21	0.56	12.0%
545	1.00	0.8	0.42	0.27	0.8	-20.0%	1.18	0.77	0.46	1.18	18.0%
546	1.12	0.88	0.48	0.3	0.88	-21.4%	1.3	0.87	0.52	1.3	16.1%
547	1.98	1.54	0.9	0.56	1.54	-22.2%	2.31	1.59	0.99	2.31	16.7%
548	2.08	1.64	0.96	0.6	1.64	-21.2%	2.46	1.7	1.05	2.46	18.3%
549	1.40	1.12	0.6	0.37	1.12	-20.0%	1.65	1.09	0.65	1.65	17.9%
550	2.26	1.91	1.07	0.65	1.91	-15.5%	2.78	1.89	1.16	2.78	23.0%
551	5.16	4.33	2.59	1.58	4.33	-16.1%	6.18	4.47	2.82	6.18	19.8%
552	5.28	4.45	2.66	1.63	4.45	-15.7%	6.31	4.58	2.9	6.31	19.5%
553	1.83	1.56	0.87	0.54	1.56	-14.8%	2.26	1.54	0.96	2.26	23.5%
554	0.24	0.17	0.09	0.05	0.17	-29.2%	0.26	0.16	0.09	0.26	8.3%
555	0.78	0.6	0.34	0.21	0.6	-23.1%	0.89	0.6	0.37	0.89	14.1%
556	9.87	8.66	5.34	3.26	8.66	-12.3%	11.48	8.91	5.88	11.48	16.3%
557	9.11	7.93	4.83	2.93	7.93	-13.0%	10.66	8.14	5.29	10.66	17.0%
558	1.19	0.93	0.53	0.33	0.93	-21.8%	1.39	0.95	0.58	1.39	16.8%
559	0.78	0.63	0.35	0.23	0.63	-19.2%	0.95	0.64	0.39	0.95	21.8%
560	0.55	0.42	0.22	0.14	0.42	-23.6%	0.63	0.4	0.25	0.63	14.5%
561	0.28	0.17	0.08	0.05	0.17	-39.3%	0.24	0.15	0.08	0.24	-14.3%
562	0.46	0.33	0.17	0.1	0.33	-28.3%	0.48	0.3	0.17	0.48	4.3%
563	0.80	0.5	0.24	0.14	0.5	-37.5%	0.66	0.42	0.24	0.66	-17.5%
564	0.36	0.24	0.11	0.07	0.24	-33.3%	0.3	0.2	0.11	0.3	-16.7%
565	0.90	0.65	0.33	0.21	0.65	-27.8%	0.94	0.6	0.36	0.94	4.4%
566	1.34	1.08	0.57	0.35	1.08	-19.4%	1.57	1.04	0.62	1.57	17.2%
567	1.49	1.24	0.67	0.41	1.24	-16.8%	1.77	1.2	0.72	1.77	18.8%
568	1.86	1.55	0.86	0.53	1.55	-16.7%	2.23	1.53	0.93	2.23	19.9%
569	0.30	0.24	0.13	0.08	0.24	-20.0%	0.35	0.23	0.14	0.35	16.7%
570	2.26	1.89	1.05	0.66	1.89	-16.4%	2.69	1.85	1.15	2.69	19.0%
571	0.30	0.21	0.11	0.06	0.21	-30.0%	0.32	0.2	0.11	0.32	6.7%
572	0.87	0.64	0.32	0.2	0.64	-26.4%	0.92	0.58	0.34	0.92	5.7%
573	1.36	0.87	0.44	0.27	0.87	-36.0%	1.25	0.81	0.45	1.25	-8.1%
574	0.61	0.41	0.2	0.12	0.41	-32.8%	0.58	0.37	0.2	0.58	-4.9%
575	0.52	0.38	0.21	0.12	0.38	-26.9%	0.58	0.37	0.22	0.58	11.5%
576	0.23	0.17	0.08	0.05	0.17	-26.1%	0.26	0.15	0.09	0.26	13.0%
577	0.53	0.42	0.25	0.15	0.42	-20.8%	0.63	0.44	0.27	0.63	18.9%
578	0.24	0.18	0.1	0.06	0.18	-25.0%	0.27	0.18	0.1	0.27	12.5%
579	3.03	2.09	1.1	0.69	2.09	-31.0%	3.07	1.96	1.17	3.07	1.3%
580	0.19	0.13	0.07	0.05	0.13	-31.6%	0.21	0.13	0.08	0.21	10.5%
581	11.80	9.44	5.09	3.15	9.44	-20.0%	13.11	8.75	5.39	13.11	11.1%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
582	0.61	0.4	0.21	0.13	0.4	-34.4%	0.6	0.38	0.21	0.6	-1.6%
583	0.47	0.29	0.14	0.09	0.29	-38.3%	0.42	0.27	0.15	0.42	-10.6%
584	0.83	0.54	0.28	0.17	0.54	-34.9%	0.83	0.52	0.3	0.83	0.0%
585	2.06	1.64	0.87	0.54	1.64	-20.4%	2.31	1.55	0.92	2.31	12.1%
586	1.98	1.51	0.8	0.5	1.51	-23.7%	2.13	1.43	0.84	2.13	7.6%
587	0.40	0.24	0.12	0.07	0.24	-40.0%	0.35	0.23	0.12	0.35	-12.5%
588	0.19	0.11	0.06	0.04	0.11	-42.1%	0.16	0.11	0.06	0.16	-15.8%
589	0.85	0.54	0.3	0.19	0.54	-36.5%	0.86	0.54	0.32	0.86	1.2%
590	1.01	0.69	0.38	0.23	0.69	-31.7%	1.04	0.69	0.4	1.04	3.0%
591	1.47	0.99	0.54	0.33	0.99	-32.7%	1.46	0.96	0.56	1.46	-0.7%
592	0.34	0.23	0.12	0.07	0.23	-32.4%	0.32	0.21	0.11	0.32	-5.9%
593	0.34	0.24	0.12	0.08	0.24	-29.4%	0.36	0.22	0.13	0.36	5.9%
594	0.37	0.26	0.14	0.08	0.26	-29.7%	0.4	0.25	0.14	0.4	8.1%
595	0.97	0.61	0.34	0.2	0.61	-37.1%	0.98	0.62	0.35	0.98	1.0%
596	0.37	0.23	0.11	0.06	0.23	-37.8%	0.33	0.21	0.11	0.33	-10.8%
597	0.34	0.21	0.11	0.05	0.21	-38.2%	0.26	0.18	0.09	0.26	-23.5%
598	0.64	0.41	0.19	0.11	0.41	-35.9%	0.51	0.33	0.18	0.51	-20.3%
599	1.36	0.87	0.47	0.29	0.87	-36.0%	1.38	0.87	0.49	1.38	1.5%
600	0.38	0.25	0.13	0.08	0.25	-34.2%	0.36	0.23	0.13	0.36	-5.3%
601	0.28	0.2	0.1	0.07	0.2	-28.6%	0.31	0.19	0.11	0.31	10.7%
602	0.69	0.47	0.22	0.13	0.47	-31.9%	0.64	0.41	0.22	0.64	-7.2%
603	1.37	0.89	0.46	0.28	0.89	-35.0%	1.32	0.84	0.47	1.32	-3.6%
604	3.45	2.53	1.25	0.77	2.53	-26.7%	3.48	2.27	1.29	3.48	0.9%
605	0.50	0.34	0.16	0.1	0.34	-32.0%	0.47	0.3	0.16	0.47	-6.0%
606	0.27	0.17	0.08	0.04	0.17	-37.0%	0.21	0.14	0.07	0.21	-22.2%
607	2.47	1.58	0.76	0.46	1.58	-36.0%	2.18	1.39	0.78	2.18	-11.7%
608	0.96	0.58	0.28	0.16	0.58	-39.6%	0.75	0.49	0.27	0.75	-21.9%
609	2.27	1.46	0.7	0.43	1.46	-35.7%	2.01	1.28	0.72	2.01	-11.5%
610	1.21	0.73	0.39	0.24	0.73	-39.7%	1.11	0.7	0.4	1.11	-8.3%
611	0.13	0.09	0.04	0.02	0.09	-30.8%	0.11	0.07	0.04	0.11	-15.4%
612	3.75	2.84	1.41	0.88	2.84	-24.3%	3.89	2.55	1.47	3.89	3.7%
613	0.16	0.1	0.05	0.03	0.1	-37.5%	0.14	0.09	0.05	0.14	-12.5%
614	0.88	0.52	0.29	0.17	0.52	-40.9%	0.82	0.52	0.3	0.82	-6.8%
615	0.90	0.59	0.31	0.2	0.59	-34.4%	0.9	0.57	0.34	0.9	0.0%
616	0.20	0.13	0.06	0.04	0.13	-35.0%	0.17	0.11	0.06	0.17	-15.0%
617	0.59	0.44	0.23	0.15	0.44	-25.4%	0.67	0.41	0.26	0.67	13.6%
618	0.73	0.44	0.22	0.12	0.44	-39.7%	0.55	0.36	0.2	0.55	-24.7%
619	1.49	1.25	0.73	0.45	1.25	-16.1%	1.79	1.29	0.81	1.79	20.1%
620	1.82	1.54	0.93	0.57	1.54	-15.4%	2.17	1.61	1.02	2.17	19.2%
621	0.26	0.18	0.08	0.05	0.18	-30.8%	0.23	0.15	0.08	0.23	-11.5%
622	0.47	0.36	0.21	0.13	0.36	-23.4%	0.53	0.37	0.23	0.53	12.8%
623	0.80	0.65	0.37	0.23	0.65	-18.8%	0.94	0.66	0.41	0.94	17.5%
624	0.82	0.68	0.4	0.25	0.68	-17.1%	0.99	0.71	0.45	0.99	20.7%
625	0.89	0.69	0.4	0.24	0.69	-22.5%	1.02	0.71	0.44	1.02	14.6%
626	2.58	2.12	1.24	0.76	2.12	-17.8%	3.09	2.18	1.37	3.09	19.8%
627	0.95	0.58	0.3	0.18	0.58	-38.9%	0.87	0.54	0.31	0.87	-8.4%
628	0.49	0.31	0.15	0.09	0.31	-36.7%	0.43	0.28	0.15	0.43	-12.2%
629	0.40	0.31	0.16	0.1	0.31	-22.5%	0.46	0.3	0.19	0.46	15.0%
630	0.19	0.13	0.07	0.04	0.13	-31.6%	0.21	0.13	0.07	0.21	10.5%
631	0.62	0.47	0.28	0.17	0.47	-24.2%	0.7	0.5	0.3	0.7	12.9%
632	0.46	0.32	0.15	0.09	0.32	-30.4%	0.44	0.28	0.15	0.44	-4.3%
633	0.71	0.45	0.24	0.15	0.45	-36.6%	0.7	0.45	0.26	0.7	-1.4%
634	1.02	0.64	0.35	0.22	0.64	-37.3%	1	0.64	0.37	1	-2.0%
635	1.40	0.89	0.5	0.31	0.89	-36.4%	1.43	0.91	0.52	1.43	2.1%
636	0.68	0.44	0.23	0.15	0.44	-35.3%	0.67	0.42	0.25	0.67	-1.5%
637	1.02	0.65	0.38	0.23	0.65	-36.3%	1.04	0.68	0.4	1.04	2.0%
638	0.71	0.45	0.25	0.16	0.45	-36.6%	0.72	0.46	0.27	0.72	1.4%
639	2.01	1.35	0.81	0.51	1.35	-32.8%	2.11	1.42	0.87	2.11	5.0%
640	0.79	0.49	0.28	0.17	0.49	-38.0%	0.78	0.5	0.29	0.78	-1.3%
641	0.53	0.32	0.17	0.1	0.32	-39.6%	0.48	0.3	0.17	0.48	-9.4%
642	1.39	0.88	0.42	0.26	0.88	-36.7%	1.21	0.77	0.43	1.21	-12.9%
643	1.04	0.64	0.31	0.17	0.64	-38.5%	0.82	0.53	0.29	0.82	-21.2%
644	2.75	1.63	0.81	0.5	1.63	-40.7%	2.29	1.48	0.83	2.29	-16.7%
645	0.80	0.5	0.29	0.17	0.5	-37.5%	0.81	0.52	0.3	0.81	1.3%
646	2.28	1.71	0.94	0.59	1.71	-25.0%	2.49	1.67	1.01	2.49	9.2%
647	1.16	0.73	0.41	0.25	0.73	-37.1%	1.17	0.74	0.43	1.17	0.9%
648	0.38	0.23	0.11	0.07	0.23	-39.5%	0.34	0.21	0.12	0.34	-10.5%
649	1.41	0.93	0.53	0.33	0.93	-34.0%	1.41	0.93	0.55	1.41	0.0%
650	2.10	1.32	0.75	0.46	1.32	-37.1%	2.12	1.35	0.78	2.12	1.0%
651	0.60	0.38	0.22	0.13	0.38	-36.7%	0.61	0.39	0.23	0.61	1.7%
652	0.63	0.38	0.19	0.12	0.38	-39.7%	0.56	0.35	0.2	0.56	-11.1%
653	0.79	0.5	0.27	0.17	0.5	-36.7%	0.78	0.5	0.29	0.78	-1.3%
654	1.02	0.67	0.35	0.22	0.67	-34.3%	1.02	0.64	0.37	1.02	0.0%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
655	0.59	0.37	0.21	0.13	0.37	-37.3%	0.6	0.38	0.22	0.6	1.7%
656	0.33	0.2	0.1	0.07	0.2	-39.4%	0.3	0.19	0.11	0.3	-9.1%
657	0.56	0.34	0.18	0.11	0.34	-39.3%	0.5	0.32	0.18	0.5	-10.7%
658	0.23	0.15	0.08	0.04	0.15	-34.8%	0.21	0.14	0.07	0.21	-8.7%
659	0.76	0.51	0.26	0.17	0.51	-32.9%	0.75	0.48	0.28	0.75	-1.3%
660	0.47	0.28	0.14	0.09	0.28	-40.4%	0.42	0.26	0.15	0.42	-10.6%
661	0.27	0.16	0.08	0.05	0.16	-40.7%	0.24	0.14	0.08	0.24	-11.1%
662	1.49	0.95	0.51	0.32	0.95	-36.2%	1.47	0.94	0.54	1.47	-1.3%
663	0.35	0.22	0.11	0.07	0.22	-37.1%	0.31	0.2	0.11	0.31	-11.4%
664	4.06	2.56	1.52	0.94	2.56	-36.9%	4.01	2.7	1.6	4.01	-1.2%
665	2.42	1.49	0.91	0.55	1.49	-38.4%	2.4	1.6	0.94	2.4	-0.8%
666	16.84	14.07	8.91	5.59	14.07	-16.4%	19.64	14.88	9.83	19.64	16.6%
667	0.73	0.46	0.25	0.16	0.46	-37.0%	0.74	0.46	0.27	0.74	1.4%
668	0.39	0.24	0.12	0.07	0.24	-38.5%	0.35	0.23	0.12	0.35	-10.3%
669	2.65	1.77	1.01	0.63	1.77	-33.2%	2.78	1.81	1.08	2.78	4.9%
670	2.56	1.72	1	0.63	1.72	-32.8%	2.67	1.78	1.08	2.67	4.3%
671	1.48	0.95	0.55	0.34	0.95	-35.8%	1.51	0.99	0.59	1.51	2.0%
672	4.30	3.36	1.96	1.22	3.36	-21.9%	5.03	3.48	2.12	5.03	17.0%
673	0.61	0.39	0.21	0.13	0.39	-36.1%	0.62	0.39	0.23	0.62	1.6%
674	0.31	0.19	0.1	0.06	0.19	-38.7%	0.29	0.18	0.1	0.29	-6.5%
675	1.00	0.69	0.38	0.24	0.69	-31.0%	1.08	0.68	0.41	1.08	8.0%
676	0.60	0.38	0.22	0.13	0.38	-36.7%	0.61	0.39	0.23	0.61	1.7%
677	1.38	1.09	0.67	0.41	1.09	-21.0%	1.54	1.16	0.73	1.54	11.6%
678	1.83	1.49	0.92	0.56	1.49	-18.6%	2.13	1.59	1.01	2.13	16.4%
679	2.78	2.21	1.25	0.78	2.21	-20.5%	3.3	2.23	1.37	3.3	18.7%
680	1.16	0.75	0.4	0.26	0.75	-35.3%	1.16	0.73	0.44	1.16	0.0%
681	0.31	0.22	0.1	0.06	0.22	-29.0%	0.29	0.19	0.1	0.29	-6.5%
682	0.83	0.53	0.3	0.18	0.53	-36.1%	0.85	0.54	0.31	0.85	2.4%
683	8.06	6.36	3.89	2.41	6.36	-21.1%	9.17	6.72	4.26	9.17	13.8%
684	0.51	0.37	0.21	0.13	0.37	-27.5%	0.57	0.36	0.23	0.57	11.8%
685	0.15	0.1	0.05	0.03	0.1	-33.3%	0.14	0.09	0.05	0.14	-6.7%
686	0.14	0.1	0.04	0.02	0.1	-28.6%	0.12	0.08	0.04	0.12	-14.3%
687	0.26	0.15	0.08	0.05	0.15	-42.3%	0.23	0.14	0.08	0.23	-11.5%
688	1.09	0.67	0.34	0.21	0.67	-38.5%	1.01	0.63	0.36	1.01	-7.3%
689	0.48	0.37	0.21	0.13	0.37	-22.9%	0.55	0.38	0.23	0.55	14.6%
690	0.58	0.43	0.24	0.15	0.43	-25.9%	0.66	0.43	0.27	0.66	13.8%
691	0.63	0.5	0.31	0.19	0.5	-20.6%	0.72	0.54	0.33	0.72	14.3%
692	0.17	0.1	0.05	0.03	0.1	-41.2%	0.15	0.1	0.05	0.15	-11.8%
693	0.39	0.25	0.13	0.08	0.25	-35.9%	0.4	0.25	0.14	0.4	2.6%
694	2.53	1.78	1.1	0.67	1.78	-29.6%	2.68	1.91	1.18	2.68	5.9%
695	4.15	3.06	1.9	1.19	3.06	-26.3%	4.47	3.3	2.07	4.47	7.7%
696	8.59	6.57	4.14	2.53	6.57	-23.5%	9.38	7.01	4.46	9.38	9.2%
697	0.89	0.57	0.31	0.19	0.57	-36.0%	0.88	0.56	0.32	0.88	-1.1%
698	0.94	0.6	0.33	0.2	0.6	-36.2%	0.92	0.59	0.34	0.92	-2.1%
699	0.23	0.17	0.08	0.05	0.17	-26.1%	0.22	0.14	0.08	0.22	-4.3%
700	1.34	0.84	0.5	0.31	0.84	-37.3%	1.35	0.89	0.52	1.35	0.7%
701	1.62	1.01	0.59	0.36	1.01	-37.7%	1.61	1.06	0.62	1.61	-0.6%
702	1.40	0.9	0.49	0.31	0.9	-35.7%	1.39	0.9	0.52	1.39	-0.7%
703	0.84	0.52	0.3	0.19	0.52	-38.1%	0.84	0.54	0.32	0.84	0.0%
704	0.22	0.13	0.07	0.04	0.13	-40.9%	0.2	0.12	0.07	0.2	-9.1%
705	0.20	0.14	0.07	0.04	0.14	-30.0%	0.2	0.13	0.07	0.2	0.0%
706	0.32	0.21	0.11	0.07	0.21	-34.4%	0.33	0.21	0.12	0.33	3.1%
707	1.42	0.89	0.5	0.31	0.89	-37.3%	1.39	0.89	0.53	1.39	-2.1%
708	12.46	10.59	6.64	4.13	10.59	-15.0%	14.55	11	7.27	14.55	16.8%
709	12.70	10.8	6.8	4.23	10.8	-15.0%	14.78	11.22	7.46	14.78	16.4%
710	12.80	10.9	6.86	4.28	10.9	-14.8%	14.88	11.31	7.53	14.88	16.3%
711	0.41	0.24	0.13	0.08	0.24	-41.5%	0.37	0.24	0.13	0.37	-9.8%
712	0.53	0.36	0.17	0.11	0.36	-32.1%	0.51	0.32	0.18	0.51	-3.8%
713	0.63	0.38	0.2	0.12	0.38	-39.7%	0.58	0.36	0.2	0.58	-7.9%
714	0.91	0.57	0.3	0.19	0.57	-37.4%	0.87	0.54	0.32	0.87	-4.4%
715	22.59	20.4	13.16	10.21	20.4	-9.7%	25.66	20.31	14.26	25.66	13.6%
716	0.57	0.37	0.21	0.12	0.37	-35.1%	0.58	0.37	0.22	0.58	1.8%
717	10.99	9.13	5.74	3.54	9.13	-16.9%	12.85	9.63	6.24	12.85	16.9%
718	1.38	0.86	0.5	0.3	0.86	-37.7%	1.38	0.89	0.51	1.38	0.0%
719	1.09	0.71	0.41	0.25	0.71	-34.9%	1.1	0.73	0.44	1.1	0.9%
720	0.47	0.31	0.17	0.11	0.31	-34.0%	0.49	0.31	0.19	0.49	4.3%
721	0.63	0.38	0.19	0.12	0.38	-39.7%	0.57	0.36	0.2	0.57	-9.5%
722	0.55	0.32	0.17	0.11	0.32	-41.8%	0.5	0.31	0.18	0.5	-9.1%
723	0.70	0.46	0.24	0.15	0.46	-34.3%	0.7	0.44	0.26	0.7	0.0%
724	0.66	0.45	0.25	0.16	0.45	-31.8%	0.7	0.45	0.27	0.7	6.1%
725	1.83	1.31	0.78	0.49	1.31	-28.4%	1.94	1.34	0.85	1.94	6.0%
726	0.63	0.43	0.24	0.15	0.43	-31.7%	0.67	0.43	0.26	0.67	6.3%
727	37.38	33.15	21.44	14.58	33.15	-11.3%	42.01	33.35	23.15	42.01	12.4%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
728	0.28	0.17	0.08	0.06	0.17	-39.3%	0.26	0.15	0.09	0.26	-7.1%
729	0.19	0.14	0.08	0.05	0.14	-26.3%	0.21	0.14	0.09	0.21	10.5%
730	0.20	0.14	0.06	0.04	0.14	-30.0%	0.19	0.12	0.07	0.19	-5.0%
731	0.49	0.33	0.15	0.1	0.33	-32.7%	0.45	0.29	0.16	0.45	-8.2%
732	1.79	1.17	0.69	0.43	1.17	-34.6%	1.84	1.22	0.74	1.84	2.8%
733	0.36	0.25	0.14	0.08	0.25	-30.6%	0.38	0.24	0.14	0.38	5.6%
734	0.24	0.14	0.08	0.05	0.14	-41.7%	0.23	0.14	0.08	0.23	-4.2%
735	0.34	0.21	0.11	0.07	0.21	-38.2%	0.33	0.2	0.12	0.33	-2.9%
736	1.75	1.36	0.76	0.48	1.36	-22.3%	2.02	1.37	0.84	2.02	15.4%
737	0.75	0.57	0.32	0.2	0.57	-24.0%	0.84	0.57	0.35	0.84	12.0%
738	0.82	0.62	0.35	0.22	0.62	-24.4%	0.93	0.62	0.38	0.93	13.4%
739	0.43	0.33	0.19	0.12	0.33	-23.3%	0.49	0.33	0.21	0.49	14.0%
740	1.29	1.02	0.57	0.36	1.02	-20.9%	1.52	1.02	0.63	1.52	17.8%
741	0.24	0.16	0.08	0.06	0.16	-33.3%	0.24	0.15	0.09	0.24	0.0%
742	0.51	0.39	0.2	0.13	0.39	-23.5%	0.58	0.37	0.23	0.58	13.7%
743	0.41	0.31	0.17	0.1	0.31	-24.4%	0.47	0.31	0.19	0.47	14.6%
744	0.67	0.46	0.24	0.16	0.46	-31.3%	0.72	0.44	0.27	0.72	7.5%
745	0.25	0.15	0.09	0.05	0.15	-40.0%	0.24	0.15	0.08	0.24	-4.0%
746	0.47	0.28	0.15	0.1	0.28	-40.4%	0.44	0.28	0.16	0.44	-6.4%
747	0.57	0.39	0.21	0.13	0.39	-31.6%	0.61	0.38	0.23	0.61	7.0%
748	0.73	0.55	0.31	0.19	0.55	-24.7%	0.83	0.55	0.34	0.83	13.7%
749	0.44	0.28	0.14	0.09	0.28	-36.4%	0.42	0.26	0.15	0.42	-4.5%
750	0.32	0.24	0.12	0.08	0.24	-25.0%	0.36	0.22	0.13	0.36	12.5%
751	0.77	0.61	0.35	0.22	0.61	-20.8%	0.9	0.61	0.38	0.9	16.9%
752	54.27	50.57	32.98	21.24	50.57	-6.8%	59.18	50.14	36.54	59.18	9.0%
753	0.60	0.38	0.19	0.11	0.38	-36.7%	0.53	0.34	0.18	0.53	-11.7%
754	1.41	0.86	0.43	0.26	0.86	-39.0%	1.23	0.79	0.44	1.23	-12.8%
755	2.06	1.3	0.68	0.42	1.3	-36.9%	1.86	1.22	0.7	1.86	-9.7%
756	0.12	0.07	0.04	0.02	0.07	-41.7%	0.11	0.07	0.04	0.11	-8.3%
757	0.04	0.03	0.01	0	0.03	-25.0%	0.04	0.02	0.01	0.04	0.0%
758	2.76	1.93	1.04	0.63	1.93	-30.1%	2.75	1.86	1.07	2.75	-0.4%
759	0.91	0.66	0.36	0.22	0.66	-27.5%	1.02	0.64	0.39	1.02	12.1%
760	0.59	0.41	0.2	0.13	0.41	-30.5%	0.63	0.38	0.23	0.63	6.8%
761	0.59	0.39	0.22	0.14	0.39	-33.9%	0.61	0.4	0.24	0.61	3.4%
762	1.08	0.71	0.43	0.26	0.71	-34.3%	1.13	0.75	0.45	1.13	4.6%
763	23.37	21.84	14.27	8.8	21.84	-6.5%	26.06	22.48	15.93	26.06	11.5%
764	0.48	0.27	0.15	0.1	0.27	-43.8%	0.44	0.27	0.16	0.44	-8.3%
765	12.71	9.87	6.03	3.69	9.87	-22.3%	13.55	10.1	6.45	13.55	6.6%
766	1.99	1.56	0.88	0.55	1.56	-21.6%	2.21	1.56	0.97	2.21	11.1%
767	0.90	0.59	0.33	0.21	0.59	-34.4%	0.92	0.6	0.36	0.92	2.2%
768	0.31	0.22	0.1	0.06	0.22	-29.0%	0.29	0.18	0.1	0.29	-6.5%
769	0.40	0.3	0.17	0.1	0.3	-25.0%	0.46	0.31	0.19	0.46	15.0%
770	0.37	0.22	0.11	0.06	0.22	-40.5%	0.33	0.2	0.11	0.33	-10.8%
771	0.21	0.15	0.07	0.04	0.15	-28.6%	0.2	0.13	0.07	0.2	-4.8%
772	0.71	0.48	0.23	0.15	0.48	-32.4%	0.68	0.43	0.24	0.68	-4.2%
773	0.95	0.63	0.31	0.18	0.63	-33.7%	0.88	0.57	0.31	0.88	-7.4%
774	0.41	0.25	0.13	0.07	0.25	-39.0%	0.31	0.21	0.11	0.31	-24.4%
775	0.76	0.52	0.25	0.15	0.52	-31.6%	0.7	0.45	0.25	0.7	-7.9%
776	0.66	0.42	0.2	0.12	0.42	-36.4%	0.55	0.36	0.19	0.55	-16.7%
777	0.55	0.36	0.21	0.13	0.36	-34.5%	0.57	0.37	0.22	0.57	3.6%
778	1.07	0.7	0.42	0.26	0.7	-34.6%	1.11	0.74	0.45	1.11	3.7%
779	0.03	0.02	0.01	0.01	0.02	-33.3%	0.02	0.02	0.01	0.02	-33.3%
780	0.80	0.61	0.33	0.2	0.61	-23.8%	0.92	0.6	0.36	0.92	15.0%
781	0.22	0.13	0.06	0.04	0.13	-40.9%	0.2	0.12	0.07	0.2	-9.1%
782	0.15	0.09	0.05	0.03	0.09	-40.0%	0.14	0.09	0.05	0.14	-6.7%
783	0.24	0.17	0.08	0.04	0.17	-29.2%	0.22	0.14	0.07	0.22	-8.3%
784	0.20	0.12	0.07	0.04	0.12	-40.0%	0.15	0.11	0.06	0.15	-25.0%
785	0.06	0.05	0.02	0.01	0.05	-16.7%	0.06	0.04	0.02	0.06	0.0%
786	0.48	0.33	0.15	0.09	0.33	-31.3%	0.43	0.28	0.15	0.43	-10.4%
787	1.45	1.04	0.6	0.38	1.04	-28.3%	1.57	1.07	0.65	1.57	8.3%
788	0.10	0.08	0.03	0.02	0.08	-20.0%	0.1	0.06	0.03	0.1	0.0%
789	0.20	0.11	0.06	0.03	0.11	-45.0%	0.18	0.11	0.06	0.18	-10.0%
790	0.41	0.28	0.12	0.08	0.28	-31.7%	0.36	0.23	0.13	0.36	-12.2%
791	0.24	0.14	0.08	0.05	0.14	-41.7%	0.22	0.14	0.08	0.22	-8.3%
792	0.41	0.25	0.13	0.08	0.25	-39.0%	0.38	0.24	0.13	0.38	-7.3%
793	0.56	0.37	0.21	0.13	0.37	-33.9%	0.58	0.37	0.22	0.58	3.6%
794	0.29	0.2	0.11	0.06	0.2	-31.0%	0.31	0.2	0.11	0.31	6.9%
795	0.42	0.28	0.17	0.11	0.28	-33.3%	0.44	0.3	0.19	0.44	4.8%
796	0.35	0.26	0.13	0.08	0.26	-25.7%	0.39	0.24	0.14	0.39	11.4%
797	2.26	1.7	1.01	0.63	1.7	-24.8%	2.55	1.79	1.09	2.55	12.8%
798	0.48	0.37	0.2	0.12	0.37	-22.9%	0.55	0.36	0.22	0.55	14.6%
799	0.39	0.26	0.14	0.09	0.26	-33.3%	0.41	0.26	0.15	0.41	5.1%
800	0.72	0.45	0.25	0.16	0.45	-37.5%	0.73	0.46	0.27	0.73	1.4%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
801	1.98	1.65	0.99	0.61	1.65	-16.7%	2.38	1.73	1.09	2.38	20.2%
802	0.11	0.07	0.03	0.02	0.07	-36.4%	0.1	0.06	0.03	0.1	-9.1%
803	0.46	0.27	0.15	0.09	0.27	-41.3%	0.43	0.27	0.15	0.43	-6.5%
804	10.25	8.45	5.47	3.38	8.45	-17.6%	11.63	9.14	5.92	11.63	13.5%
805	9.62	7.71	4.97	3.07	7.71	-19.9%	11.17	8.42	5.36	11.17	16.1%
806	5.37	4.15	2.71	1.69	4.15	-22.7%	6.14	4.56	2.94	6.14	14.3%
807	4.88	3.56	2.25	1.42	3.56	-27.0%	5.18	3.84	2.46	5.18	6.1%
808	0.83	0.56	0.27	0.16	0.56	-32.5%	0.79	0.5	0.28	0.79	-4.8%
809	0.90	0.53	0.28	0.14	0.53	-41.1%	0.68	0.45	0.24	0.68	-24.4%
810	2.08	1.65	0.97	0.59	1.65	-20.7%	2.45	1.71	1.05	2.45	17.8%
811	1.59	1.24	0.72	0.44	1.24	-22.0%	1.85	1.28	0.78	1.85	16.4%
812	0.43	0.29	0.15	0.1	0.29	-32.6%	0.46	0.27	0.16	0.46	7.0%
813	1.46	1.06	0.62	0.38	1.06	-27.4%	1.6	1.09	0.66	1.6	9.6%
814	21.52	19.05	13.24	8.25	19.05	-11.5%	23.26	17.47	15.94	23.26	8.1%
815	22.24	20.18	13.92	8.66	20.18	-9.3%	24.6	18.69	16.83	24.6	10.6%
816	0.18	0.1	0.05	0.04	0.1	-44.4%	0.15	0.1	0.06	0.15	-16.7%
817	0.47	0.28	0.15	0.09	0.28	-40.4%	0.44	0.28	0.15	0.44	-6.4%
818	187.65	181.58	143.34	119.99	181.58	-3.2%	199.87	195.49	200.73	200.73	7.0%
819	0.09	0.03	0.04	0.07	0.07	-22.2%	0.04	0.04	0.06	0.06	-33.3%
820	1.57	1.12	0.61	0.38	1.12	-28.7%	1.69	1.09	0.66	1.69	7.6%
821	187.57	181.4	143.27	119.62	181.4	-3.3%	199.82	195.33	200.39	200.39	6.8%
822	54.37	51.55	33.86	22	51.55	-5.2%	59.34	50.71	38.11	59.34	9.1%
823	1.11	0.88	0.53	0.33	0.88	-20.7%	1.26	0.93	0.58	1.26	13.5%
824	0.82	0.58	0.33	0.21	0.58	-29.3%	0.9	0.59	0.37	0.9	9.8%
825	0.10	0.06	0.03	0.02	0.06	-40.0%	0.09	0.05	0.03	0.09	-10.0%
826	0.68	0.42	0.21	0.12	0.42	-38.2%	0.53	0.35	0.19	0.53	-22.1%
827	0.85	0.58	0.28	0.17	0.58	-31.8%	0.81	0.52	0.29	0.81	-4.7%
828	0.99	0.68	0.33	0.19	0.68	-31.3%	0.93	0.6	0.33	0.93	-6.1%
829	2.25	1.44	0.74	0.44	1.44	-36.0%	2.07	1.34	0.74	2.07	-8.0%
830	1.10	0.7	0.38	0.24	0.7	-36.4%	1.1	0.7	0.4	1.1	0.0%
831	0.50	0.34	0.16	0.1	0.34	-32.0%	0.48	0.3	0.17	0.48	-4.0%
832	0.71	0.48	0.24	0.14	0.48	-32.4%	0.69	0.44	0.25	0.69	-2.8%
833	0.41	0.25	0.12	0.08	0.25	-39.0%	0.36	0.23	0.13	0.36	-12.2%
834	0.56	0.33	0.17	0.11	0.33	-41.1%	0.5	0.32	0.18	0.5	-10.7%
835	0.14	0.1	0.04	0.02	0.1	-28.6%	0.12	0.08	0.04	0.12	-14.3%
836	2.25	1.7	1	0.63	1.7	-24.4%	2.59	1.76	1.08	2.59	15.1%
837	0.86	0.54	0.31	0.19	0.54	-37.2%	0.86	0.56	0.33	0.86	0.0%
838	0.32	0.22	0.11	0.07	0.22	-31.3%	0.31	0.2	0.11	0.31	-3.1%
839	1.24	0.97	0.58	0.36	0.97	-21.8%	1.42	1.01	0.63	1.42	14.5%
840	0.36	0.25	0.12	0.07	0.25	-30.6%	0.35	0.22	0.12	0.35	-2.8%
841	1.13	0.75	0.38	0.23	0.75	-33.6%	1.07	0.69	0.39	1.07	-5.3%
842	0.17	0.12	0.05	0.03	0.12	-29.4%	0.16	0.1	0.05	0.16	-5.9%
843	1.99	1.29	0.8	0.5	1.29	-35.2%	2.04	1.39	0.85	2.04	2.5%
844	2.44	1.58	0.96	0.6	1.58	-35.2%	2.48	1.69	1.04	2.48	1.6%
845	3.62	2.88	1.7	1.05	2.88	-20.4%	4.29	2.98	1.83	4.29	18.5%
846	0.57	0.37	0.2	0.13	0.37	-35.1%	0.59	0.37	0.22	0.59	3.5%
847	1.30	0.85	0.53	0.33	0.85	-34.6%	1.34	0.92	0.57	1.34	3.1%
848	0.63	0.4	0.23	0.14	0.4	-36.5%	0.64	0.41	0.24	0.64	1.6%
849	0.82	0.52	0.29	0.17	0.52	-36.6%	0.83	0.52	0.3	0.83	1.2%
850	0.44	0.26	0.14	0.09	0.26	-40.9%	0.41	0.26	0.15	0.41	-6.8%
851	2.45	1.6	0.96	0.59	1.6	-34.7%	2.49	1.68	1.02	2.49	1.6%
852	1.25	0.77	0.46	0.28	0.77	-38.4%	1.25	0.81	0.47	1.25	0.0%
853	1.70	1.08	0.62	0.39	1.08	-36.5%	1.71	1.11	0.66	1.71	0.6%
854	1.52	0.98	0.54	0.34	0.98	-35.5%	1.55	0.98	0.57	1.55	2.0%
855	0.36	0.23	0.11	0.07	0.23	-36.1%	0.32	0.2	0.12	0.32	-11.1%
856	0.40	0.27	0.13	0.08	0.27	-32.5%	0.37	0.24	0.13	0.37	-7.5%
857	0.04	0.03	0.01	0	0.03	-25.0%	0.04	0.02	0.01	0.04	0.0%
858	0.17	0.12	0.06	0.03	0.12	-29.4%	0.16	0.1	0.05	0.16	-5.9%
859	0.44	0.27	0.13	0.08	0.27	-38.6%	0.39	0.24	0.13	0.39	-11.4%
860	0.67	0.43	0.24	0.14	0.43	-35.8%	0.67	0.43	0.25	0.67	0.0%
861	0.49	0.29	0.15	0.1	0.29	-40.8%	0.45	0.28	0.16	0.45	-8.2%
862	0.75	0.49	0.26	0.16	0.49	-34.7%	0.75	0.47	0.27	0.75	0.0%
863	0.77	0.48	0.27	0.17	0.48	-37.7%	0.77	0.49	0.29	0.77	0.0%
864	3.26	2.17	1.22	0.76	2.17	-33.4%	3.36	2.17	1.3	3.36	3.1%
865	3.68	2.56	1.46	0.92	2.56	-30.4%	3.92	2.6	1.56	3.92	6.5%
866	4.20	2.8	1.59	1	2.8	-33.3%	4.25	2.84	1.7	4.25	1.2%
867	0.87	0.54	0.31	0.19	0.54	-37.9%	0.87	0.56	0.32	0.87	0.0%
868	0.64	0.41	0.24	0.14	0.41	-35.9%	0.66	0.43	0.25	0.66	3.1%
869	0.37	0.21	0.11	0.07	0.21	-43.2%	0.34	0.21	0.12	0.34	-8.1%
870	2.73	1.98	1.1	0.69	1.98	-27.5%	2.72	1.93	1.19	2.72	-0.4%
871	0.12	0.07	0.04	0.03	0.07	-41.7%	0.1	0.07	0.04	0.1	-16.7%
872	1.97	1.54	0.84	0.53	1.54	-21.8%	2.12	1.49	0.9	2.12	7.6%
873	0.91	0.57	0.33	0.2	0.57	-37.4%	0.92	0.59	0.34	0.92	1.1%

Source: RAFTS Sensitivity Results.xlsx

Subcatch ID	Discharge for Adopted (m^3/s)	Peak Discharge for the Lowest Output Set of Durations and Temporal Patterns (m^3/s)					Peak Discharge for the Highest Output Set of Durations and Temporal Patterns (m^3/s)				
		4526 TP for the 45 minute duration	4571 TP for the 2 hour duration	4596 TP for the 6 hour duration	Max	Difference (%)	4535 TP for the 45 minute duration	4499 TP for the 2 hour duration	4719 TP for the 6 hour duration	Max	Difference (%)
874	6.82	5.87	3.59	2.23	5.87	-13.9%	8.02	5.96	3.93	8.02	17.6%
875	6.93	5.98	3.67	2.28	5.98	-13.7%	8.15	6.09	4.03	8.15	17.6%
876	7.10	6.15	3.78	2.36	6.15	-13.4%	8.34	6.28	4.17	8.34	17.5%
877	1.33	0.99	0.54	0.34	0.99	-25.6%	1.43	0.95	0.58	1.43	7.5%
878	0.48	0.29	0.15	0.09	0.29	-39.6%	0.42	0.27	0.15	0.42	-12.5%
879	11.62	8.8	5.5	3.48	8.8	-24.3%	11.83	9.14	6.1	11.83	1.8%
880	0.69	0.41	0.21	0.13	0.41	-40.6%	0.64	0.39	0.23	0.64	-7.2%
881	0.26	0.15	0.08	0.05	0.15	-42.3%	0.23	0.14	0.08	0.23	-11.5%
882	2.83	2.19	1.29	0.81	2.19	-22.6%	3.2	2.25	1.4	3.2	13.1%
883	2.73	2.09	1.23	0.76	2.09	-23.4%	3.05	2.16	1.33	3.05	11.7%
884	14.36	11.77	7.32	4.54	11.77	-18.0%	16.75	12.43	8.02	16.75	16.6%
885	9.83	8.07	5.14	3.19	8.07	-17.9%	11.23	8.58	5.64	11.23	14.2%
886	0.74	0.47	0.26	0.16	0.47	-36.5%	0.73	0.47	0.27	0.73	-1.4%
887	0.54	0.35	0.19	0.11	0.35	-35.2%	0.55	0.35	0.19	0.55	1.9%
888	0.72	0.46	0.25	0.16	0.46	-36.1%	0.73	0.46	0.27	0.73	1.4%
889	0.33	0.25	0.14	0.09	0.25	-24.2%	0.37	0.25	0.15	0.37	12.1%
890	0.65	0.41	0.23	0.14	0.41	-36.9%	0.66	0.42	0.24	0.66	1.5%
891	0.97	0.61	0.34	0.21	0.61	-37.1%	0.97	0.62	0.36	0.97	0.0%
892	3.49	2.44	1.38	0.85	2.44	-30.1%	3.61	2.46	1.47	3.61	3.4%
893	0.90	0.59	0.34	0.2	0.59	-34.4%	0.93	0.6	0.35	0.93	3.3%
894	1.10	0.66	0.36	0.22	0.66	-40.0%	1.04	0.66	0.38	1.04	-5.5%
895	0.70	0.45	0.24	0.15	0.45	-35.7%	0.7	0.44	0.26	0.7	0.0%
896	4.26	3.29	1.96	1.22	3.29	-22.8%	4.94	3.43	2.1	4.94	16.0%
897	1.01	0.64	0.36	0.23	0.64	-36.6%	1.03	0.66	0.39	1.03	2.0%
898	0.77	0.49	0.28	0.17	0.49	-36.4%	0.79	0.51	0.3	0.79	2.6%
899	0.15	0.11	0.05	0.03	0.11	-26.7%	0.15	0.09	0.05	0.15	0.0%
900	0.74	0.45	0.23	0.15	0.45	-39.2%	0.68	0.42	0.25	0.68	-8.1%
901	0.70	0.44	0.25	0.15	0.44	-37.1%	0.7	0.45	0.26	0.7	0.0%
902	0.87	0.55	0.31	0.19	0.55	-36.8%	0.86	0.55	0.33	0.86	-1.1%
903	0.59	0.37	0.21	0.13	0.37	-37.3%	0.6	0.38	0.23	0.6	1.7%
904	9.68	7.95	5.04	3.13	7.95	-17.9%	11.09	8.45	5.55	11.09	14.6%
905	0.50	0.31	0.15	0.1	0.31	-38.0%	0.45	0.28	0.16	0.45	-10.0%
906	1.02	0.69	0.36	0.22	0.69	-32.4%	1.04	0.66	0.38	1.04	2.0%
907	4.51	3.49	2.12	1.32	3.49	-22.6%	5.09	3.66	2.33	5.09	12.9%
908	2.63	2.01	1.25	0.78	2.01	-23.6%	2.96	2.15	1.37	2.96	12.5%
909	3.30	2.67	1.59	0.99	2.67	-19.1%	3.88	2.78	1.75	3.88	17.6%
910	0.81	0.56	0.32	0.2	0.56	-30.9%	0.85	0.57	0.35	0.85	4.9%
911	0.36	0.25	0.12	0.07	0.25	-30.6%	0.35	0.22	0.12	0.35	-2.8%
912	6.08	5.19	3.14	1.93	5.19	-14.6%	7.19	5.25	3.42	7.19	18.3%
913	0.48	0.28	0.15	0.09	0.28	-41.7%	0.44	0.28	0.15	0.44	-8.3%
914	0.28	0.17	0.08	0.06	0.17	-39.3%	0.25	0.15	0.09	0.25	-10.7%
915	0.71	0.42	0.23	0.14	0.42	-40.8%	0.65	0.42	0.24	0.65	-8.5%
916	1.46	0.94	0.52	0.32	0.94	-35.6%	1.5	0.95	0.55	1.5	2.7%
917	4.36	2.78	1.39	0.84	2.78	-36.2%	3.92	2.52	1.41	3.92	-10.1%
918	2.70	1.57	0.8	0.48	1.57	-41.9%	2.23	1.45	0.81	2.23	-17.4%
919	0.57	0.38	0.18	0.11	0.38	-33.3%	0.51	0.33	0.18	0.51	-10.5%
920	1.07	0.72	0.35	0.22	0.72	-32.7%	1	0.64	0.36	1	-6.5%
921	1.83	1.34	0.73	0.44	1.34	-26.8%	1.89	1.29	0.76	1.89	3.3%
922	2.42	1.74	1.02	0.63	1.74	-28.1%	2.69	1.82	1.09	2.69	11.2%
923	1.06	0.69	0.39	0.24	0.69	-34.9%	1.09	0.7	0.41	1.09	2.8%
924	0.96	0.61	0.34	0.2	0.61	-36.5%	0.96	0.61	0.35	0.96	0.0%
925	4.04	2.88	1.73	1.07	2.88	-28.7%	4.43	3.04	1.85	4.43	9.7%
926	0.68	0.45	0.23	0.14	0.45	-33.8%	0.66	0.42	0.23	0.66	-2.9%
927	1.04	0.68	0.35	0.22	0.68	-34.6%	1.02	0.65	0.37	1.02	-1.9%
928	0.38	0.26	0.11	0.07	0.26	-31.6%	0.32	0.21	0.11	0.32	-15.8%
929	0.72	0.45	0.25	0.16	0.45	-37.5%	0.72	0.46	0.27	0.72	0.0%
930	0.32	0.19	0.1	0.06	0.19	-40.6%	0.3	0.19	0.1	0.3	-6.2%
931	2.13	1.37	0.79	0.49	1.37	-35.7%	2.16	1.42	0.83	2.16	1.4%
932	0.99	0.63	0.34	0.21	0.63	-36.4%	0.99	0.63	0.36	0.99	0.0%
933	0.96	0.61	0.35	0.21	0.61	-36.5%	0.98	0.62	0.36	0.98	2.1%
934	0.88	0.55	0.31	0.19	0.55	-37.5%	0.89	0.57	0.33	0.89	1.1%
935	2.17	1.35	0.79	0.48	1.35	-37.8%	2.18	1.42	0.82	2.18	0.5%
Average Differences (All Subcatchments)						**-26.4%**					**4.4%**
Average Differences (Focus Locations)						**-13.1%**					**10.1%**

Source: RAFTS Sensitivity Results.xlsx

Ultimate Development Results for the 5% AEP Event

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
1	141.77	146.29	3.2%
2	1.11	1.12	0.9%
3	1.01	2.11	108.9%
4	2.11	4.42	109.5%
5	2.46	2.46	0.0%
6	6.03	6.11	1.3%
7	7.22	7.21	-0.1%
8	7.47	7.54	0.9%
9	1.04	1.95	87.5%
10	9.94	16.82	69.2%
11	1.01	2.05	103.0%
12	4.18	7.42	77.5%
13	0.68	0.68	0.0%
14	0.91	0.91	0.0%
15	2.17	2.18	0.5%
16	15.44	15.58	0.9%
17	1.06	1.22	15.1%
18	3.87	5.14	32.8%
19	1.19	1.34	12.6%
20	5.63	9.32	65.5%
21	6.76	6.84	1.2%
22	17.12	17.26	0.8%
23	1.54	1.99	29.2%
24	6.66	9.54	43.2%
25	7.89	10.56	33.8%
26	11.68	17.48	49.7%
27	1.33	2.4	80.5%
28	1.28	1.47	14.8%
29	5.43	6.91	27.3%
30	1.37	1.38	0.7%
31	21.76	22.01	1.1%
32	1.63	1.93	18.4%
33	7.21	8.24	14.3%
34	15.35	15.89	3.5%
35	1.23	1.25	1.6%
36	4.65	4.66	0.2%
37	2.04	2.08	2.0%
38	2.54	2.55	0.4%
39	6.11	6.1	-0.2%
40	23.94	22.56	-5.8%
41	1.02	1.17	14.7%
42	27.64	27.72	0.3%
43	1.83	2.1	14.8%
44	15.36	15.88	3.4%
45	0.98	0.99	1.0%
46	27.85	27.95	0.4%
47	0.77	0.78	1.3%
48	1.38	1.41	2.2%
49	0.90	1	11.1%
50	2.95	2.98	1.0%
51	1.82	2.09	14.8%
52	3.00	4.02	34.0%
53	2.80	3.21	14.6%
54	28.66	28.81	0.5%
55	1.85	2.13	15.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
56	4.97	5.97	20.1%
57	6.99	8.11	16.0%
58	15.33	16.38	6.8%
59	2.89	3.32	14.9%
60	17.73	18.95	6.9%
61	3.27	3.28	0.3%
62	4.98	5.07	1.8%
63	1.34	1.36	1.5%
64	9.42	9.53	1.2%
65	0.75	0.76	1.3%
66	28.10	28.22	0.4%
67	0.84	0.85	1.2%
68	1.17	1.19	1.7%
69	10.80	10.84	0.4%
70	28.36	28.48	0.4%
71	1.36	1.52	11.8%
72	36.27	36.46	0.5%
73	1.78	1.82	2.2%
74	9.69	10.71	10.5%
75	1.41	1.58	12.1%
76	5.04	5.78	14.7%
77	6.52	7.5	15.0%
78	19.79	23.07	16.6%
79	1.49	1.67	12.1%
80	36.78	36.93	0.4%
81	1.55	1.77	14.2%
82	21.50	28.57	32.9%
83	1.00	1	0.0%
84	2.67	2.48	-7.1%
85	1.23	1.27	3.3%
86	2.12	2.16	1.9%
87	1.11	1.29	16.2%
88	37.45	37.59	0.4%
89	0.97	0.9	-7.2%
90	38.41	38.46	0.1%
91	1.22	1.4	14.8%
92	3.85	3.91	1.6%
93	2.68	2.92	9.0%
94	38.56	38.62	0.2%
95	1.72	1.97	14.5%
96	1.97	2.2	11.7%
97	1.77	2.03	14.7%
98	22.02	22.33	1.4%
99	1.52	1.75	15.1%
100	40.55	40.63	0.2%
101	1.30	1.49	14.6%
102	5.71	5.74	0.5%
103	3.98	4.57	14.8%
104	4.83	5.55	14.9%
105	1.37	1.58	15.3%
106	0.00	0	0.0%
107	1.59	1.82	14.5%
108	6.34	6.37	0.5%
109	1.41	1.62	14.9%
110	0.00	0	0.0%
111	1.63	1.88	15.3%
112	40.96	41.01	0.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
113	1.24	1.26	1.6%
114	1.76	1.76	0.0%
115	1.23	1.41	14.6%
116	10.67	12.27	15.0%
117	24.89	26.29	5.6%
118	41.12	41.15	0.1%
119	2.07	2.37	14.5%
120	4.72	5.13	8.7%
121	7.36	7.84	6.5%
122	7.06	7.16	1.4%
123	11.19	12.82	14.6%
124	0.00	0	0.0%
125	1.98	2.28	15.2%
126	62.80	64.02	1.9%
127	2.59	2.72	5.0%
128	6.07	6.04	-0.5%
129	2.15	2.36	9.8%
130	68.03	68.09	0.1%
131	4.04	4.65	15.1%
132	12.47	12.52	0.4%
133	3.21	3.69	15.0%
134	14.20	14.47	1.9%
135	2.25	2.58	14.7%
136	2.04	2.06	1.0%
137	1.42	1.63	14.8%
138	15.78	16.12	2.2%
139	12.79	13.13	2.7%
140	1.14	1.31	14.9%
141	16.28	16.64	2.2%
142	0.71	0.81	14.1%
143	16.49	17.62	6.9%
144	16.92	18.83	11.3%
145	69.31	69.51	0.3%
146	3.16	3.63	14.9%
147	3.87	4.38	13.2%
148	1.18	1.36	15.3%
149	2.58	2.96	14.7%
150	4.11	4.72	14.8%
151	7.26	8.23	13.4%
152	0.99	1.14	15.2%
153	3.31	3.33	0.6%
154	5.03	5.78	14.9%
155	84.22	84.68	0.5%
156	1.80	2.07	15.0%
157	3.30	3.79	14.8%
158	1.53	1.65	7.8%
159	85.28	85.79	0.6%
160	2.56	3.01	17.6%
161	3.26	3.76	15.3%
162	11.19	12.75	13.9%
163	85.73	86.25	0.6%
164	1.52	1.74	14.5%
165	11.93	11.15	-6.5%
166	7.34	7.05	-4.0%
167	11.66	12.18	4.5%
168	1.06	1.22	15.1%
169	1.27	1.41	11.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
170	2.32	2.49	7.3%
171	13.47	12.6	-6.5%
172	1.59	1.59	0.0%
173	2.28	2.75	20.6%
174	88.12	90.67	2.9%
175	4.21	4.69	11.4%
176	1.25	1.24	-0.8%
177	1.63	1.63	0.0%
178	3.05	3.03	-0.7%
179	4.04	4.64	14.9%
180	1.18	1.36	15.3%
181	90.01	92.23	2.5%
182	1.45	1.68	15.9%
183	3.57	3.61	1.1%
184	0.94	1.06	12.8%
185	6.47	6.68	3.2%
186	1.37	1.38	0.7%
187	1.49	1.5	0.7%
188	1.28	1.27	-0.8%
189	3.09	3.11	0.6%
190	1.21	1.39	14.9%
191	90.14	92.47	2.6%
192	8.62	9.19	6.6%
193	15.07	15.79	4.8%
194	1.33	1.52	14.3%
195	6.65	7.64	14.9%
196	1.49	1.71	14.8%
197	23.11	23.68	2.5%
198	7.78	8.9	14.4%
199	90.29	92.75	2.7%
200	0.99	0.99	0.0%
201	23.60	24.66	4.5%
202	7.30	7.41	1.5%
203	24.19	25.31	4.6%
204	6.56	6.57	0.2%
205	91.47	92.43	1.0%
206	1.08	1.08	0.0%
207	32.05	32.53	1.5%
208	1.53	1.53	0.0%
209	95.55	97.14	1.7%
210	1.07	1.23	15.0%
211	96.01	97.85	1.9%
212	2.11	2.43	15.2%
213	33.37	34.95	4.7%
214	2.26	2.33	3.1%
215	96.22	97.94	1.8%
216	33.99	35.52	4.5%
217	96.87	98.86	2.1%
218	0.17	0.17	0.0%
219	2.15	2.22	3.3%
220	1.38	1.58	14.5%
221	2.31	2.65	14.7%
222	6.01	6.91	15.0%
223	5.35	6.15	15.0%
224	1.94	2.2	13.4%
225	2.49	2.86	14.9%
226	1.58	1.8	13.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
227	4.48	5.13	14.5%
228	1.09	1.25	14.7%
229	5.74	6.57	14.5%
230	2.77	3.19	15.2%
231	11.26	13.81	22.6%
232	1.19	1.18	-0.8%
233	20.02	22.21	10.9%
234	0.41	0.41	0.0%
235	122.12	122.98	0.7%
236	0.86	0.99	15.1%
237	20.91	23.13	10.6%
238	2.57	2.57	0.0%
239	0.41	0.41	0.0%
240	1.97	2.2	11.7%
241	13.80	15.43	11.8%
242	7.60	8.69	14.3%
243	15.11	16.02	6.0%
244	1.58	1.61	1.9%
245	122.86	123.29	0.3%
246	1.71	1.97	15.2%
247	3.10	3.54	14.2%
248	1.66	1.91	15.1%
249	6.13	7.02	14.5%
250	21.72	23.63	8.8%
251	122.93	123.32	0.3%
252	3.56	4.09	14.9%
253	10.33	11.83	14.5%
254	1.83	1.89	3.3%
255	136.19	142.9	4.9%
256	7.97	9.09	14.1%
257	10.78	12.12	12.4%
258	15.03	16.32	8.6%
259	136.28	142.96	4.9%
260	3.21	3.69	15.0%
261	3.58	5.78	61.5%
262	6.66	8.36	25.5%
263	141.50	146.18	3.3%
264	1.03	1.06	2.9%
265	2.11	2.22	5.2%
266	1.21	1.22	0.8%
267	3.15	3.28	4.1%
268	1.00	2.13	113.0%
269	2.00	3.81	90.5%
270	1.25	1.25	0.0%
271	4.44	4.54	2.3%
272	2.19	2.19	0.0%
273	3.05	3.05	0.0%
274	1.15	2.28	98.3%
275	4.70	9.06	92.8%
276	0.44	0.69	56.8%
277	5.95	11.14	87.2%
278	3.53	5.9	67.1%
279	6.41	11.23	75.2%
280	1.48	1.48	0.0%
281	5.65	5.64	-0.2%
282	1.91	2.02	5.8%
283	4.51	4.72	4.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
284	2.59	4.59	77.2%
285	0.99	0.99	0.0%
286	6.08	6.2	2.0%
287	5.44	5.75	5.7%
288	15.40	15.54	0.9%
289	1.81	1.81	0.0%
290	1.24	1.24	0.0%
291	1.84	1.84	0.0%
292	17.12	17.26	0.8%
293	6.57	6.25	-4.9%
294	11.27	17.43	54.7%
295	15.36	15.87	3.3%
296	23.13	23.87	3.2%
297	23.84	24.81	4.1%
298	10.41	11.97	15.0%
299	0.99	1	1.0%
300	2.21	2.21	0.0%
301	3.72	3.74	0.5%
302	9.92	10.06	1.4%
303	3.57	3.63	1.7%
304	2.35	2.58	9.8%
305	6.80	7.14	5.0%
306	5.02	5.05	0.6%
307	0.06	0.06	0.0%
308	14.78	15.89	7.5%
309	7.46	8.55	14.6%
310	136.27	142.95	4.9%
311	14.33	15.29	6.7%
312	3.04	3.5	15.1%
313	2.70	3.1	14.8%
314	11.21	12.86	14.7%
315	4.99	5.74	15.0%
316	3.49	4.01	14.9%
317	14.86	15.59	4.9%
318	8.55	9.14	6.9%
319	3.58	3.59	0.3%
320	3.44	3.46	0.6%
321	3.52	3.54	0.6%
322	3.55	3.56	0.3%
323	3.21	3.22	0.3%
324	3.19	3.2	0.3%
325	12.74	13.03	2.3%
326	10.57	10.77	1.9%
327	2.23	2.56	14.8%
328	1.73	1.98	14.5%
329	0.49	0.49	0.0%
330	6.24	6.26	0.3%
331	6.59	7.57	14.9%
332	3.50	4.01	14.6%
333	1.35	1.56	15.6%
334	9.22	8.53	-7.5%
335	1.14	1.3	14.0%
336	2.37	2.73	15.2%
337	1.53	1.76	15.0%
338	1.81	2.08	14.9%
339	3.35	3.85	14.9%
340	2.39	3.31	38.5%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
341	1.19	1.44	21.0%
342	15.40	16.85	9.4%
343	10.56	12.15	15.1%
344	3.37	3.54	5.0%
345	0.79	0.89	12.7%
346	0.87	1	14.9%
347	1.06	1.22	15.1%
348	7.61	7.96	4.6%
349	6.93	7.04	1.6%
350	2.30	2.65	15.2%
351	32.58	33.17	1.8%
352	3.18	3.65	14.8%
353	4.16	4.78	14.9%
354	0.97	0.97	0.0%
355	21.33	23.31	9.3%
356	21.56	23.53	9.1%
357	1.00	1.15	15.0%
358	11.01	12.64	14.8%
359	9.07	10.41	14.8%
360	10.27	11.79	14.8%
361	5.24	5.78	10.3%
362	1.45	1.64	13.1%
363	0.97	1.14	17.5%
364	1.15	1.32	14.8%
365	1.13	1.16	2.7%
366	1.27	1.46	15.0%
367	4.26	4.33	1.6%
368	1.03	1.18	14.6%
369	2.70	3.1	14.8%
370	1.62	1.86	14.8%
371	1.43	1.64	14.7%
372	1.14	1.31	14.9%
373	2.37	2.72	14.8%
374	0.91	1.05	15.4%
375	2.18	2.19	0.5%
376	1.59	1.6	0.6%
377	11.16	12.79	14.6%
378	83.97	84.44	0.6%
379	0.65	0.75	15.4%
380	4.74	5.45	15.0%
381	0.75	0.83	10.7%
382	1.24	1.22	-1.6%
383	0.25	0.24	-4.0%
384	13.90	14.61	5.1%
385	32.04	32.53	1.5%
386	1.86	1.89	1.6%
387	1.05	2.18	107.6%
388	4.68	9.06	93.6%
389	40.88	40.94	0.1%
390	0.28	0.33	17.9%
391	1.71	1.74	1.8%
392	0.53	0.54	1.9%
393	0.27	0.27	0.0%
394	1.07	1.23	15.0%
395	1.67	1.93	15.6%
396	1.00	1.15	15.0%
397	13.67	15.33	12.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
398	0.33	0.38	15.2%
399	0.14	0.15	7.1%
400	0.31	0.3	-3.2%
401	2.17	2.18	0.5%
402	1.63	1.87	14.7%
403	1.02	1.18	15.7%
404	6.40	7.36	15.0%
405	3.02	3.47	14.9%
406	2.02	2.32	14.9%
407	40.86	40.92	0.1%
408	7.15	7.23	1.1%
409	7.06	7.15	1.3%
410	12.48	12.54	0.5%
411	1.20	1.22	1.7%
412	1.67	1.68	0.6%
413	1.48	1.51	2.0%
414	2.47	3.45	39.7%
415	2.73	3.14	15.0%
416	0.74	0.85	14.9%
417	0.74	0.85	14.9%
418	1.45	1.47	1.4%
419	4.84	4.83	-0.2%
420	16.78	18.61	10.9%
421	0.73	0.84	15.1%
422	7.68	8.82	14.8%
423	3.62	4.16	14.9%
424	2.85	3.28	15.1%
425	0.78	0.87	11.5%
426	0.66	0.74	12.1%
427	1.05	1.21	15.2%
428	1.54	1.72	11.7%
429	20.08	25.65	27.7%
430	0.37	0.42	13.5%
431	1.12	1.28	14.3%
432	0.80	0.92	15.0%
433	1.50	1.72	14.7%
434	0.96	1.07	11.5%
435	0.54	0.62	14.8%
436	5.47	5.64	3.1%
437	4.95	5	1.0%
438	4.81	4.86	1.0%
439	4.74	4.79	1.1%
440	3.84	3.9	1.6%
441	3.80	3.85	1.3%
442	3.63	3.68	1.4%
443	5.64	5.67	0.5%
444	5.71	5.73	0.4%
445	0.44	0.44	0.0%
446	0.29	0.3	3.4%
447	1.39	1.41	1.4%
448	0.75	0.84	12.0%
449	0.68	0.69	1.5%
450	0.07	0.07	0.0%
451	0.27	0.29	7.4%
452	0.16	0.18	12.5%
453	1.97	2.02	2.5%
454	0.48	0.55	14.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
455	2.05	2.09	2.0%
456	0.09	0.09	0.0%
457	0.47	0.5	6.4%
458	0.20	0.24	20.0%
459	0.61	0.67	9.8%
460	0.99	1.12	13.1%
461	1.27	1.46	15.0%
462	0.58	0.66	13.8%
463	0.24	0.28	16.7%
464	0.31	0.35	12.9%
465	0.10	0.09	-10.0%
466	0.33	0.33	0.0%
467	1.34	1.34	0.0%
468	0.97	1.11	14.4%
469	0.66	0.76	15.2%
470	0.36	0.41	13.9%
471	0.29	0.33	13.8%
472	0.22	0.25	13.6%
473	0.37	0.43	16.2%
474	1.27	1.46	15.0%
475	1.09	1.25	14.7%
476	0.11	0.12	9.1%
477	0.18	0.21	16.7%
478	0.36	0.42	16.7%
479	0.59	0.68	15.3%
480	1.28	1.47	14.8%
481	1.52	1.75	15.1%
482	0.03	0.03	0.0%
483	0.11	0.11	0.0%
484	0.23	0.23	0.0%
485	0.66	0.76	15.2%
486	0.60	0.68	13.3%
487	0.10	0.12	20.0%
488	0.13	0.14	7.7%
489	1.22	1.41	15.6%
490	0.06	0.05	-16.7%
491	0.19	0.19	0.0%
492	0.41	0.42	2.4%
493	0.07	0.07	0.0%
494	0.13	0.12	-7.7%
495	0.17	0.2	17.6%
496	0.22	0.25	13.6%
497	0.45	0.47	4.4%
498	0.24	0.25	4.2%
499	0.23	0.22	-4.3%
500	0.28	0.32	14.3%
501	0.30	0.35	16.7%
502	11.19	12.81	14.5%
503	0.36	0.4	11.1%
504	0.57	0.66	15.8%
505	0.21	0.21	0.0%
506	0.16	0.19	18.8%
507	0.27	0.27	0.0%
508	0.14	0.14	0.0%
509	0.42	0.41	-2.4%
510	1.59	1.83	15.1%
511	2.06	2.36	14.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
512	2.19	2.51	14.6%
513	1.10	1.26	14.5%
514	0.43	0.5	16.3%
515	0.49	0.57	16.3%
516	0.18	0.21	16.7%
517	0.22	0.26	18.2%
518	0.52	0.53	1.9%
519	0.56	0.64	14.3%
520	0.83	0.93	12.0%
521	0.19	0.2	5.3%
522	0.23	0.23	0.0%
523	0.26	0.26	0.0%
524	0.42	0.42	0.0%
525	1.60	1.76	10.0%
526	0.33	0.39	18.2%
527	1.37	1.57	14.6%
528	0.33	0.35	6.1%
529	0.11	0.12	9.1%
530	0.75	0.86	14.7%
531	0.27	0.3	11.1%
532	0.05	0.05	0.0%
533	0.44	0.75	70.5%
534	0.95	1.09	14.7%
535	0.45	0.45	0.0%
536	0.48	0.48	0.0%
537	0.42	0.42	0.0%
538	0.07	0.07	0.0%
539	0.13	0.13	0.0%
540	0.21	0.21	0.0%
541	0.55	0.55	0.0%
542	0.25	0.25	0.0%
543	1.11	1.11	0.0%
544	0.28	0.28	0.0%
545	0.58	0.58	0.0%
546	0.65	0.65	0.0%
547	1.23	1.24	0.8%
548	1.31	1.18	-9.9%
549	0.83	0.83	0.0%
550	1.33	1.34	0.8%
551	3.02	3.04	0.7%
552	3.08	3.1	0.6%
553	1.09	1.09	0.0%
554	0.13	0.13	0.0%
555	0.43	0.43	0.0%
556	5.63	5.66	0.5%
557	5.24	5.26	0.4%
558	0.67	0.67	0.0%
559	0.46	0.47	2.2%
560	0.31	0.31	0.0%
561	0.15	0.17	13.3%
562	0.25	0.26	4.0%
563	0.56	0.64	14.3%
564	0.25	0.29	16.0%
565	0.48	0.48	0.0%
566	0.79	0.8	1.3%
567	0.91	0.92	1.1%
568	1.11	1.12	0.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
569	0.17	0.17	0.0%
570	1.32	1.33	0.8%
571	0.16	0.16	0.0%
572	0.59	0.68	15.3%
573	0.97	1.12	15.5%
574	0.42	0.48	14.3%
575	0.29	0.29	0.0%
576	0.12	0.12	0.0%
577	0.30	0.3	0.0%
578	0.13	0.13	0.0%
579	1.57	1.77	12.7%
580	0.10	0.1	0.0%
581	7.54	8.63	14.5%
582	0.32	0.37	15.6%
583	0.26	0.3	15.4%
584	0.53	0.6	13.2%
585	1.30	1.49	14.6%
586	1.19	1.37	15.1%
587	0.21	0.24	14.3%
588	0.09	0.11	22.2%
589	0.54	0.62	14.8%
590	0.65	0.74	13.8%
591	0.89	1.02	14.6%
592	0.21	0.24	14.3%
593	0.18	0.18	0.0%
594	0.20	0.2	0.0%
595	0.52	0.57	9.6%
596	0.21	0.25	19.0%
597	0.24	0.27	12.5%
598	0.45	0.51	13.3%
599	0.72	0.82	13.9%
600	0.24	0.27	12.5%
601	0.15	0.15	0.0%
602	0.49	0.56	14.3%
603	0.81	0.92	13.6%
604	2.25	2.57	14.2%
605	0.34	0.4	17.6%
606	0.19	0.21	10.5%
607	1.46	1.67	14.4%
608	0.66	0.75	13.6%
609	1.37	1.58	15.3%
610	0.74	0.85	14.9%
611	0.07	0.09	28.6%
612	2.47	2.82	14.2%
613	0.09	0.11	22.2%
614	0.49	0.56	14.3%
615	0.54	0.62	14.8%
616	0.12	0.14	16.7%
617	0.33	0.33	0.0%
618	0.52	0.56	7.7%
619	0.87	0.87	0.0%
620	1.13	1.13	0.0%
621	0.16	0.18	12.5%
622	0.26	0.26	0.0%
623	0.45	0.45	0.0%
624	0.47	0.47	0.0%
625	0.49	0.49	0.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
626	1.47	1.47	0.0%
627	0.54	0.63	16.7%
628	0.33	0.37	12.1%
629	0.22	0.22	0.0%
630	0.10	0.1	0.0%
631	0.34	0.34	0.0%
632	0.27	0.31	14.8%
633	0.43	0.5	16.3%
634	0.65	0.75	15.4%
635	0.76	0.87	14.5%
636	0.44	0.5	13.6%
637	0.62	0.71	14.5%
638	0.46	0.53	15.2%
639	1.06	1.22	15.1%
640	0.50	0.58	16.0%
641	0.33	0.38	15.2%
642	0.86	0.99	15.1%
643	0.72	0.82	13.9%
644	1.92	2.15	12.0%
645	0.48	0.55	14.6%
646	1.42	1.62	14.1%
647	0.65	0.74	13.8%
648	0.21	0.24	14.3%
649	0.86	0.99	15.1%
650	1.18	1.36	15.3%
651	0.37	0.42	13.5%
652	0.36	0.41	13.9%
653	0.50	0.58	16.0%
654	0.63	0.72	14.3%
655	0.34	0.39	14.7%
656	0.17	0.2	17.6%
657	0.33	0.38	15.2%
658	0.14	0.17	21.4%
659	0.45	0.52	15.6%
660	0.27	0.31	14.8%
661	0.12	0.14	16.7%
662	0.89	1.03	15.7%
663	0.20	0.23	15.0%
664	2.66	3.05	14.7%
665	1.63	1.87	14.7%
666	10.43	10.62	1.8%
667	0.44	0.51	15.9%
668	0.20	0.23	15.0%
669	1.54	1.77	14.9%
670	1.43	1.64	14.7%
671	0.90	1.04	15.6%
672	2.55	2.62	2.7%
673	0.35	0.4	14.3%
674	0.17	0.19	11.8%
675	0.54	0.53	-1.9%
676	0.34	0.39	14.7%
677	0.81	0.82	1.2%
678	1.12	1.12	0.0%
679	1.58	1.58	0.0%
680	0.59	0.58	-1.7%
681	0.19	0.21	10.5%
682	0.47	0.54	14.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
683	4.43	4.46	0.7%
684	0.28	0.28	0.0%
685	0.08	0.1	25.0%
686	0.08	0.1	25.0%
687	0.13	0.14	7.7%
688	0.58	0.67	15.5%
689	0.27	0.27	0.0%
690	0.32	0.33	3.1%
691	0.34	0.34	0.0%
692	0.08	0.09	12.5%
693	0.21	0.24	14.3%
694	1.41	1.62	14.9%
695	2.37	2.71	14.3%
696	5.25	5.47	4.2%
697	0.60	0.69	15.0%
698	0.64	0.73	14.1%
699	0.13	0.15	15.4%
700	0.88	1.02	15.9%
701	1.04	1.2	15.4%
702	0.88	1.01	14.8%
703	0.52	0.6	15.4%
704	0.12	0.14	16.7%
705	0.12	0.14	16.7%
706	0.17	0.2	17.6%
707	0.81	0.93	14.8%
708	8.18	8.74	6.8%
709	8.33	8.89	6.7%
710	8.39	8.95	6.7%
711	0.22	0.25	13.6%
712	0.35	0.41	17.1%
713	0.35	0.4	14.3%
714	0.53	0.61	15.1%
715	14.24	15.05	5.7%
716	0.33	0.39	18.2%
717	7.23	7.59	5.0%
718	0.92	1.06	15.2%
719	0.61	0.71	16.4%
720	0.27	0.31	14.8%
721	0.38	0.44	15.8%
722	0.29	0.33	13.8%
723	0.43	0.5	16.3%
724	0.35	0.39	11.4%
725	1.02	1.17	14.7%
726	0.33	0.34	3.0%
727	22.82	23.8	4.3%
728	0.13	0.14	7.7%
729	0.10	0.1	0.0%
730	0.12	0.14	16.7%
731	0.26	0.3	15.4%
732	1.09	1.24	13.8%
733	0.20	0.23	15.0%
734	0.11	0.12	9.1%
735	0.18	0.21	16.7%
736	0.99	0.99	0.0%
737	0.41	0.41	0.0%
738	0.45	0.45	0.0%
739	0.24	0.24	0.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
740	0.73	0.73	0.0%
741	0.12	0.12	0.0%
742	0.28	0.28	0.0%
743	0.23	0.23	0.0%
744	0.35	0.36	2.9%
745	0.12	0.12	0.0%
746	0.23	0.24	4.3%
747	0.30	0.33	10.0%
748	0.40	0.41	2.5%
749	0.21	0.21	0.0%
750	0.18	0.18	0.0%
751	0.43	0.43	0.0%
752	33.34	34.93	4.8%
753	0.40	0.46	15.0%
754	0.99	1.14	15.2%
755	1.47	1.69	15.0%
756	0.05	0.06	20.0%
757	0.03	0.02	-33.3%
758	1.88	2.17	15.4%
759	0.50	0.51	2.0%
760	0.31	0.31	0.0%
761	0.33	0.38	15.2%
762	0.65	0.75	15.4%
763	14.85	15.89	7.0%
764	0.24	0.27	12.5%
765	7.47	8.57	14.7%
766	1.13	1.13	0.0%
767	0.45	0.45	0.0%
768	0.17	0.2	17.6%
769	0.22	0.23	4.5%
770	0.18	0.21	16.7%
771	0.14	0.16	14.3%
772	0.41	0.48	17.1%
773	0.61	0.7	14.8%
774	0.29	0.31	6.9%
775	0.49	0.57	16.3%
776	0.46	0.53	15.2%
777	0.30	0.34	13.3%
778	0.64	0.73	14.1%
779	0.02	0.02	0.0%
780	0.45	0.46	2.2%
781	0.10	0.11	10.0%
782	0.07	0.07	0.0%
783	0.16	0.19	18.8%
784	0.14	0.16	14.3%
785	0.04	0.04	0.0%
786	0.31	0.35	12.9%
787	0.89	0.87	-2.2%
788	0.06	0.07	16.7%
789	0.09	0.1	11.1%
790	0.29	0.33	13.8%
791	0.14	0.16	14.3%
792	0.24	0.28	16.7%
793	0.33	0.39	18.2%
794	0.15	0.17	13.3%
795	0.23	0.27	17.4%
796	0.19	0.2	5.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
797	1.30	1.34	3.1%
798	0.26	0.27	3.8%
799	0.22	0.26	18.2%
800	0.45	0.52	15.6%
801	1.25	1.26	0.8%
802	0.05	0.05	0.0%
803	0.25	0.29	16.0%
804	6.62	8.35	26.1%
805	6.50	8.31	27.8%
806	3.50	5.49	56.9%
807	2.98	5.37	80.2%
808	0.52	0.6	15.4%
809	0.63	0.69	9.5%
810	1.18	2.81	138.1%
811	0.90	2.1	133.3%
812	0.22	0.48	118.2%
813	0.90	0.89	-1.1%
814	14.37	15.35	6.8%
815	14.99	16.28	8.6%
816	0.08	0.09	12.5%
817	0.24	0.27	12.5%
818	122.04	122.95	0.7%
819	0.06	0.06	0.0%
820	0.81	0.81	0.0%
821	121.95	122.92	0.8%
822	33.95	35.49	4.5%
823	0.60	0.6	0.0%
824	0.44	0.46	4.5%
825	0.05	0.06	20.0%
826	0.47	0.53	12.8%
827	0.59	0.68	15.3%
828	0.68	0.78	14.7%
829	1.60	1.84	15.0%
830	0.66	0.76	15.2%
831	0.29	0.33	13.8%
832	0.39	0.46	17.9%
833	0.23	0.26	13.0%
834	0.30	0.35	16.7%
835	0.09	0.11	22.2%
836	1.25	1.31	4.8%
837	0.54	0.62	14.8%
838	0.19	0.22	15.8%
839	0.76	0.76	0.0%
840	0.22	0.25	13.6%
841	0.65	0.76	16.9%
842	0.11	0.12	9.1%
843	1.11	1.27	14.4%
844	1.38	1.58	14.5%
845	2.12	2.29	8.0%
846	0.35	0.4	14.3%
847	0.77	0.88	14.3%
848	0.38	0.44	15.8%
849	0.42	0.48	14.3%
850	0.24	0.27	12.5%
851	1.49	1.72	15.4%
852	0.82	0.94	14.6%
853	1.06	1.22	15.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
854	0.80	0.92	15.0%
855	0.19	0.22	15.8%
856	0.26	0.3	15.4%
857	0.03	0.03	0.0%
858	0.10	0.11	10.0%
859	0.23	0.27	17.4%
860	0.41	0.47	14.6%
861	0.27	0.31	14.8%
862	0.47	0.54	14.9%
863	0.48	0.56	16.7%
864	1.98	2.27	14.6%
865	2.24	2.57	14.7%
866	2.45	2.81	14.7%
867	0.52	0.6	15.4%
868	0.38	0.43	13.2%
869	0.19	0.22	15.8%
870	1.55	1.78	14.8%
871	0.05	0.05	0.0%
872	1.20	1.37	14.2%
873	0.54	0.62	14.8%
874	4.32	4.62	6.9%
875	4.40	4.77	8.4%
876	4.56	4.97	9.0%
877	0.82	0.94	14.6%
878	0.27	0.3	11.1%
879	7.13	6.68	-6.3%
880	0.36	0.41	13.9%
881	0.12	0.12	0.0%
882	1.80	1.79	-0.6%
883	1.74	1.78	2.3%
884	8.93	8.98	0.6%
885	6.04	6.01	-0.5%
886	0.47	0.54	14.9%
887	0.35	0.4	14.3%
888	0.44	0.51	15.9%
889	0.18	0.18	0.0%
890	0.39	0.45	15.4%
891	0.62	0.72	16.1%
892	2.14	2.46	15.0%
893	0.49	0.56	14.3%
894	0.62	0.72	16.1%
895	0.45	0.52	15.6%
896	2.82	3.24	14.9%
897	0.59	0.68	15.3%
898	0.48	0.56	16.7%
899	0.08	0.09	12.5%
900	0.42	0.49	16.7%
901	0.44	0.5	13.6%
902	0.51	0.58	13.7%
903	0.35	0.41	17.1%
904	5.96	5.94	-0.3%
905	0.28	0.33	17.9%
906	0.56	0.66	17.9%
907	2.63	2.44	-7.2%
908	1.62	1.64	1.2%
909	2.09	2.1	0.5%
910	0.42	0.44	4.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
911	0.20	0.24	20.0%
912	3.86	3.98	3.1%
913	0.22	0.24	9.1%
914	0.13	0.15	15.4%
915	0.38	0.44	15.8%
916	0.80	0.85	6.2%
917	2.91	3.33	14.4%
918	1.89	2.11	11.6%
919	0.40	0.46	15.0%
920	0.68	0.78	14.7%
921	1.09	1.25	14.7%
922	1.48	1.7	14.9%
923	0.62	0.72	16.1%
924	0.59	0.69	16.9%
925	2.45	2.82	15.1%
926	0.37	0.42	13.5%
927	0.68	0.78	14.7%
928	0.26	0.3	15.4%
929	0.44	0.51	15.9%
930	0.17	0.19	11.8%
931	1.28	1.48	15.6%
932	0.63	0.73	15.9%
933	0.57	0.66	15.8%
934	0.55	0.63	14.5%
935	1.25	1.43	14.4%
Average Differences (All Subcatchments)			**11.3%**
Average Differences (Focus Locations)			**4.1%**

Ultimate Development Results for the 1% AEP Event

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
1	228.23	232.97	2.1%
2	1.89	1.9	0.5%
3	1.84	3.09	67.9%
4	3.57	6.47	81.2%
5	4.11	4.12	0.2%
6	10.50	10.58	0.8%
7	13.13	13.13	0.0%
8	13.23	13.28	0.4%
9	2.00	2.85	42.5%
10	17.05	23.66	38.8%
11	1.84	3.01	63.6%
12	6.92	10.82	56.4%
13	1.25	1.25	0.0%
14	1.67	1.67	0.0%
15	3.89	3.89	0.0%
16	26.66	26.74	0.3%
17	1.68	1.77	5.4%
18	5.91	7.4	25.2%
19	2.17	2.35	8.3%
20	9.42	13.67	45.1%
21	11.12	11.42	2.7%
22	29.26	29.36	0.3%
23	2.75	3.01	9.5%
24	11.60	14.14	21.9%
25	13.46	15.68	16.5%
26	20.19	26.17	29.6%
27	2.47	3.53	42.9%
28	2.18	2.31	6.0%
29	9.17	9.87	7.6%
30	2.34	2.35	0.4%
31	41.88	42.13	0.6%
32	2.47	2.82	14.2%
33	11.57	11.94	3.2%
34	20.30	28.94	42.6%
35	2.23	2.23	0.0%
36	8.11	8.14	0.4%
37	3.58	3.62	1.1%
38	4.39	4.4	0.2%
39	10.83	10.84	0.1%
40	42.78	43	0.5%
41	1.83	1.92	4.9%
42	45.77	46.17	0.9%
43	2.85	2.99	4.9%
44	20.31	28.96	42.6%
45	1.72	1.72	0.0%
46	46.11	46.48	0.8%
47	1.56	1.4	-10.3%
48	2.51	2.63	4.8%
49	1.67	1.67	0.0%
50	5.29	5.34	0.9%
51	2.59	3.07	18.5%
52	4.75	5.77	21.5%
53	4.76	5.04	5.9%
54	47.20	47.53	0.7%
55	2.76	3.12	13.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
56	8.26	9.02	9.2%
57	11.42	12.45	9.0%
58	20.17	26.02	29.0%
59	4.23	4.86	14.9%
60	23.21	26.34	13.5%
61	5.75	5.77	0.3%
62	8.96	8.56	-4.5%
63	2.72	2.43	-10.7%
64	16.01	16.09	0.5%
65	1.29	1.29	0.0%
66	48.25	48.49	0.5%
67	1.55	1.56	0.6%
68	2.03	2.08	2.5%
69	19.39	19.38	-0.1%
70	48.43	48.67	0.5%
71	2.18	2.31	6.0%
72	62.77	63.18	0.7%
73	3.00	3.23	7.7%
74	18.08	18.16	0.4%
75	2.07	2.32	12.1%
76	7.24	8.32	14.9%
77	9.43	10.45	10.8%
78	25.86	29.04	12.3%
79	2.77	3	8.3%
80	63.25	63.61	0.6%
81	2.30	2.45	6.5%
82	32.29	35.76	10.7%
83	1.23	1.24	0.8%
84	4.56	4.56	0.0%
85	1.97	2.04	3.6%
86	3.72	3.78	1.6%
87	1.97	2.07	5.1%
88	64.07	64.38	0.5%
89	1.63	1.7	4.3%
90	62.24	62.52	0.4%
91	2.01	2.11	5.0%
92	6.54	6.58	0.6%
93	4.73	4.81	1.7%
94	62.30	62.58	0.4%
95	2.48	2.82	13.7%
96	2.78	3.23	16.2%
97	2.74	2.89	5.5%
98	23.63	24.37	3.1%
99	2.56	2.72	6.3%
100	64.12	64.49	0.6%
101	2.43	2.54	4.5%
102	9.58	9.7	1.3%
103	5.83	6.69	14.8%
104	6.88	7.91	15.0%
105	2.04	2.18	6.9%
106	0.00	0	0.0%
107	2.93	3.13	6.8%
108	10.79	10.85	0.6%
109	2.16	2.29	6.0%
110	0.00	0	0.0%
111	2.60	2.73	5.0%
112	64.18	64.56	0.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
113	2.27	2.27	0.0%
114	3.07	3.07	0.0%
115	2.20	2.32	5.5%
116	16.48	18.48	12.1%
117	30.19	30.82	2.1%
118	64.22	64.59	0.6%
119	3.27	3.51	7.3%
120	7.25	7.52	3.7%
121	13.33	12.89	-3.3%
122	12.59	12.67	0.6%
123	18.57	19.67	5.9%
124	0.01	0.01	0.0%
125	3.29	3.43	4.3%
126	87.69	88.82	1.3%
127	4.34	4.68	7.8%
128	9.90	9.87	-0.3%
129	3.66	3.73	1.9%
130	91.63	91.97	0.4%
131	6.94	7.09	2.2%
132	20.90	20.91	0.0%
133	5.75	6.06	5.4%
134	23.93	24.33	1.7%
135	3.51	3.74	6.6%
136	3.25	3.2	-1.5%
137	2.30	2.5	8.7%
138	27.48	26.72	-2.8%
139	20.61	20.61	0.0%
140	1.89	1.91	1.1%
141	28.75	28.09	-2.3%
142	1.21	1.25	3.3%
143	28.20	29.26	3.8%
144	29.33	30.28	3.2%
145	91.73	96.15	4.8%
146	5.29	5.52	4.3%
147	5.69	5.82	2.3%
148	1.89	2.02	6.9%
149	4.12	4.57	10.9%
150	6.90	6.97	1.0%
151	11.26	11.54	2.5%
152	1.87	1.97	5.3%
153	4.81	4.83	0.4%
154	7.10	8.14	14.6%
155	118.16	119.61	1.2%
156	2.52	2.89	14.7%
157	4.56	5.13	12.5%
158	2.67	2.68	0.4%
159	119.07	120.8	1.5%
160	4.45	4.71	5.8%
161	4.95	5.24	5.9%
162	18.38	18.95	3.1%
163	119.61	121.65	1.7%
164	2.52	2.63	4.4%
165	16.52	17.72	7.3%
166	10.94	11.75	7.4%
167	16.31	17.48	7.2%
168	2.02	2.12	5.0%
169	2.53	2.65	4.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
170	4.41	4.65	5.4%
171	18.62	19.77	6.2%
172	2.89	2.89	0.0%
173	3.89	4.26	9.5%
174	127.28	130.92	2.9%
175	7.39	7.38	-0.1%
176	2.01	2.04	1.5%
177	2.88	2.88	0.0%
178	4.99	4.98	-0.2%
179	6.86	7.15	4.2%
180	2.05	2.17	5.9%
181	128.85	132.73	3.0%
182	2.37	2.48	4.6%
183	6.02	5.78	-4.0%
184	1.41	1.5	6.4%
185	9.68	10.21	5.5%
186	2.34	2.34	0.0%
187	2.62	2.63	0.4%
188	2.36	2.36	0.0%
189	5.31	5.32	0.2%
190	1.97	2.22	12.7%
191	128.95	132.83	3.0%
192	13.13	13.58	3.4%
193	23.79	24.89	4.6%
194	2.19	2.28	4.1%
195	9.89	11.07	11.9%
196	2.33	2.45	5.2%
197	37.88	38.34	1.2%
198	12.45	13.46	8.1%
199	129.06	132.98	3.0%
200	1.75	1.76	0.6%
201	39.28	39.58	0.8%
202	12.54	12.52	-0.2%
203	39.82	40.22	1.0%
204	11.87	11.88	0.1%
205	129.82	134.03	3.2%
206	1.94	1.94	0.0%
207	52.25	52.98	1.4%
208	2.63	2.62	-0.4%
209	134.90	135.94	0.8%
210	2.02	2.13	5.4%
211	135.12	136.61	1.1%
212	3.06	3.5	14.4%
213	54.27	54.83	1.0%
214	3.97	4.08	2.8%
215	135.16	136.68	1.1%
216	54.38	54.91	1.0%
217	139.15	137.24	-1.4%
218	0.25	0.25	0.0%
219	3.91	4.02	2.8%
220	2.02	2.25	11.4%
221	3.29	3.89	18.2%
222	8.39	9.95	18.6%
223	8.11	8.95	10.4%
224	3.24	3.21	-0.9%
225	3.70	4.23	14.3%
226	2.68	2.85	6.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
227	6.92	7.2	4.0%
228	1.80	1.91	6.1%
229	9.28	9.37	1.0%
230	3.97	4.61	16.1%
231	19.03	19.59	2.9%
232	2.03	2.06	1.5%
233	33.41	35.05	4.9%
234	0.65	0.65	0.0%
235	187.71	192.26	2.4%
236	1.30	1.43	10.0%
237	33.98	35.86	5.5%
238	4.19	4.2	0.2%
239	0.65	0.65	0.0%
240	2.81	3.23	14.9%
241	22.54	23.87	5.9%
242	12.81	12.66	-1.2%
243	23.70	24.7	4.2%
244	2.81	2.93	4.3%
245	188.38	193.12	2.5%
246	2.44	2.81	15.2%
247	4.55	5.19	14.1%
248	2.34	2.77	18.4%
249	8.81	10.08	14.4%
250	35.10	36.57	4.2%
251	188.46	193.18	2.5%
252	5.21	5.98	14.8%
253	15.00	17.18	14.5%
254	3.19	3.15	-1.3%
255	217.18	218.43	0.6%
256	11.54	13.08	13.3%
257	15.83	17.89	13.0%
258	22.27	23.06	3.5%
259	217.80	218.53	0.3%
260	4.79	5.31	10.9%
261	5.46	8.3	52.0%
262	10.27	12.39	20.6%
263	226.32	232.74	2.8%
264	1.91	1.99	4.2%
265	3.62	3.68	1.7%
266	2.24	2.25	0.4%
267	5.61	5.66	0.9%
268	1.81	3.13	72.9%
269	3.39	5.57	64.3%
270	2.02	2.01	-0.5%
271	8.03	8.06	0.4%
272	4.11	4.11	0.0%
273	5.29	5.3	0.2%
274	2.08	3.24	55.8%
275	7.99	12.81	60.3%
276	0.91	1	9.9%
277	10.04	15.62	55.6%
278	5.98	8.22	37.5%
279	10.92	16.48	50.9%
280	2.77	2.77	0.0%
281	10.10	10.11	0.1%
282	3.26	3.41	4.6%
283	8.08	8.39	3.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
284	4.52	6.79	50.2%
285	1.81	1.82	0.6%
286	9.82	9.94	1.2%
287	9.94	10.13	1.9%
288	26.62	26.7	0.3%
289	3.41	3.41	0.0%
290	2.25	2.25	0.0%
291	3.34	3.34	0.0%
292	29.26	29.36	0.3%
293	10.81	11.11	2.8%
294	19.54	25.81	32.1%
295	20.30	28.95	42.6%
296	25.70	26.13	1.7%
297	27.39	27.82	1.6%
298	15.30	17.56	14.8%
299	1.23	1.24	0.8%
300	3.43	3.58	4.4%
301	6.91	6.91	0.0%
302	16.04	16.02	-0.1%
303	6.03	6.17	2.3%
304	3.94	4.06	3.0%
305	12.35	11.78	-4.6%
306	8.74	8.75	0.1%
307	0.09	0.09	0.0%
308	23.56	24.61	4.5%
309	12.69	12.15	-4.3%
310	217.72	218.51	0.4%
311	21.50	22.33	3.9%
312	4.60	4.93	7.2%
313	3.96	4.49	13.4%
314	18.88	19.44	3.0%
315	7.35	7.88	7.2%
316	5.09	5.73	12.6%
317	23.54	24.58	4.4%
318	13.05	13.49	3.4%
319	4.76	4.81	1.1%
320	4.31	4.32	0.2%
321	4.27	4.46	4.4%
322	4.22	4.25	0.7%
323	3.66	3.68	0.5%
324	3.64	3.65	0.3%
325	20.58	20.61	0.1%
326	17.06	17.05	-0.1%
327	3.42	3.62	5.8%
328	2.91	3.06	5.2%
329	0.88	0.89	1.1%
330	10.96	10.96	0.0%
331	9.24	10.54	14.1%
332	6.05	6.4	5.8%
333	1.98	2.22	12.1%
334	14.84	14.85	0.1%
335	2.00	2.1	5.0%
336	4.00	4.11	2.8%
337	2.58	2.62	1.6%
338	2.77	2.96	6.9%
339	4.77	5.64	18.2%
340	4.23	4.93	16.5%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
341	2.02	2.5	23.8%
342	21.12	29.28	38.6%
343	15.75	17.85	13.3%
344	5.33	5.5	3.2%
345	1.52	1.6	5.3%
346	1.34	1.41	5.2%
347	1.94	2.03	4.6%
348	11.55	11.9	3.0%
349	11.99	11.96	-0.3%
350	3.32	3.7	11.4%
351	52.69	53.4	1.3%
352	5.00	5.07	1.4%
353	5.99	6.68	11.5%
354	1.68	1.68	0.0%
355	34.35	35.99	4.8%
356	34.82	36.27	4.2%
357	1.81	1.93	6.6%
358	14.58	16.41	12.6%
359	13.23	15.1	14.1%
360	14.96	17.16	14.7%
361	9.33	9.39	0.6%
362	2.58	2.74	6.2%
363	1.75	1.86	6.3%
364	1.76	1.87	6.3%
365	2.09	2.17	3.8%
366	2.03	2.14	5.4%
367	5.91	5.95	0.7%
368	1.85	1.93	4.3%
369	4.64	5.07	9.3%
370	2.88	3.02	4.9%
371	2.06	2.35	14.1%
372	1.89	1.99	5.3%
373	4.11	4.29	4.4%
374	1.39	1.48	6.5%
375	3.89	3.72	-4.4%
376	2.93	2.94	0.3%
377	18.47	19.35	4.8%
378	117.99	119.45	1.2%
379	0.99	1.04	5.1%
380	7.57	7.73	2.1%
381	1.38	1.39	0.7%
382	2.01	2.11	5.0%
383	0.46	0.46	0.0%
384	22.07	22.93	3.9%
385	52.25	52.98	1.4%
386	3.32	3.53	6.3%
387	1.85	3.19	72.4%
388	7.96	12.8	60.8%
389	64.17	64.54	0.6%
390	0.46	0.47	2.2%
391	2.72	2.77	1.8%
392	0.97	1	3.1%
393	0.49	0.54	10.2%
394	1.84	1.95	6.0%
395	2.86	2.84	-0.7%
396	1.62	1.7	4.9%
397	22.49	23.68	5.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
398	0.53	0.55	3.8%
399	0.27	0.27	0.0%
400	0.47	0.46	-2.1%
401	3.38	3.39	0.3%
402	2.26	2.67	18.1%
403	1.64	1.71	4.3%
404	10.39	10.89	4.8%
405	4.52	4.86	7.5%
406	3.42	3.61	5.6%
407	64.17	64.54	0.6%
408	12.52	12.56	0.3%
409	12.58	12.66	0.6%
410	21.01	21.03	0.1%
411	2.11	2.24	6.2%
412	2.82	2.82	0.0%
413	2.56	2.76	7.8%
414	4.14	5.06	22.2%
415	4.18	4.46	6.7%
416	1.15	1.21	5.2%
417	1.36	1.42	4.4%
418	2.44	2.59	6.1%
419	8.53	8.53	0.0%
420	29.12	30.11	3.4%
421	1.06	1.19	12.3%
422	11.06	12.69	14.7%
423	5.17	6.09	17.8%
424	4.19	4.8	14.6%
425	1.11	1.24	11.7%
426	1.22	1.23	0.8%
427	1.93	2.02	4.7%
428	2.22	2.53	14.0%
429	34.72	40.56	16.8%
430	0.63	0.64	1.6%
431	1.68	1.77	5.4%
432	1.16	1.3	12.1%
433	2.45	2.57	4.9%
434	1.71	1.8	5.3%
435	0.90	0.88	-2.2%
436	9.02	9.08	0.7%
437	8.06	8.08	0.2%
438	7.76	7.78	0.3%
439	7.63	7.65	0.3%
440	6.52	6.55	0.5%
441	6.40	6.43	0.5%
442	6.05	6.07	0.3%
443	9.53	9.63	1.0%
444	9.58	9.69	1.1%
445	0.80	0.81	1.3%
446	0.52	0.53	1.9%
447	2.22	2.38	7.2%
448	1.39	1.4	0.7%
449	1.21	1.22	0.8%
450	0.12	0.12	0.0%
451	0.55	0.57	3.6%
452	0.32	0.33	3.1%
453	4.04	4.06	0.5%
454	0.86	0.9	4.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
455	3.68	3.71	0.8%
456	0.16	0.16	0.0%
457	0.88	0.91	3.4%
458	0.36	0.34	-5.6%
459	1.11	1.15	3.6%
460	1.75	1.83	4.6%
461	2.39	2.5	4.6%
462	1.03	1.08	4.9%
463	0.43	0.49	14.0%
464	0.60	0.63	5.0%
465	0.21	0.2	-4.8%
466	0.59	0.59	0.0%
467	2.38	2.38	0.0%
468	1.72	1.8	4.7%
469	1.04	1.08	3.8%
470	0.62	0.64	3.2%
471	0.54	0.56	3.7%
472	0.41	0.42	2.4%
473	0.66	0.64	-3.0%
474	2.20	2.33	5.9%
475	1.88	1.97	4.8%
476	0.22	0.22	0.0%
477	0.28	0.3	7.1%
478	0.59	0.62	5.1%
479	1.00	1	0.0%
480	2.29	2.43	6.1%
481	2.56	2.71	5.9%
482	0.06	0.06	0.0%
483	0.20	0.2	0.0%
484	0.41	0.41	0.0%
485	1.07	1.11	3.7%
486	1.17	1.23	5.1%
487	0.22	0.23	4.5%
488	0.29	0.29	0.0%
489	2.17	2.29	5.5%
490	0.10	0.1	0.0%
491	0.34	0.34	0.0%
492	0.69	0.69	0.0%
493	0.14	0.14	0.0%
494	0.24	0.24	0.0%
495	0.34	0.35	2.9%
496	0.42	0.43	2.4%
497	0.85	0.89	4.7%
498	0.44	0.45	2.3%
499	0.42	0.43	2.4%
500	0.51	0.52	2.0%
501	0.53	0.54	1.9%
502	18.57	19.65	5.8%
503	0.70	0.73	4.3%
504	0.97	1.02	5.2%
505	0.38	0.38	0.0%
506	0.33	0.34	3.0%
507	0.49	0.5	2.0%
508	0.26	0.25	-3.8%
509	0.76	0.75	-1.3%
510	2.76	2.93	6.2%
511	3.33	3.58	7.5%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
512	3.50	3.73	6.6%
513	1.81	1.91	5.5%
514	0.66	0.72	9.1%
515	0.83	0.87	4.8%
516	0.35	0.36	2.9%
517	0.38	0.39	2.6%
518	0.95	0.96	1.1%
519	1.03	1.07	3.9%
520	1.47	1.48	0.7%
521	0.36	0.37	2.8%
522	0.44	0.45	2.3%
523	0.50	0.56	12.0%
524	0.68	0.68	0.0%
525	2.29	2.5	9.2%
526	0.57	0.58	1.8%
527	2.61	2.74	5.0%
528	0.46	0.49	6.5%
529	0.15	0.17	13.3%
530	1.25	1.27	1.6%
531	0.46	0.47	2.2%
532	0.09	0.09	0.0%
533	0.93	1.06	14.0%
534	1.37	1.56	13.9%
535	0.82	0.82	0.0%
536	0.85	0.85	0.0%
537	0.77	0.78	1.3%
538	0.12	0.12	0.0%
539	0.29	0.29	0.0%
540	0.44	0.44	0.0%
541	0.93	0.94	1.1%
542	0.47	0.47	0.0%
543	1.95	1.96	0.5%
544	0.50	0.5	0.0%
545	1.00	1	0.0%
546	1.12	1.12	0.0%
547	1.98	1.98	0.0%
548	2.08	2.09	0.5%
549	1.40	1.41	0.7%
550	2.26	2.3	1.8%
551	5.16	5.18	0.4%
552	5.28	5.3	0.4%
553	1.83	2.05	12.0%
554	0.24	0.24	0.0%
555	0.78	0.79	1.3%
556	9.87	9.88	0.1%
557	9.11	9.11	0.0%
558	1.19	1.19	0.0%
559	0.78	0.79	1.3%
560	0.55	0.55	0.0%
561	0.28	0.26	-7.1%
562	0.46	0.47	2.2%
563	0.80	0.91	13.8%
564	0.36	0.41	13.9%
565	0.90	0.91	1.1%
566	1.34	1.35	0.7%
567	1.49	1.5	0.7%
568	1.86	1.88	1.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
569	0.30	0.31	3.3%
570	2.26	2.28	0.9%
571	0.30	0.35	16.7%
572	0.87	0.93	6.9%
573	1.36	1.56	14.7%
574	0.61	0.69	13.1%
575	0.52	0.53	1.9%
576	0.23	0.24	4.3%
577	0.53	0.54	1.9%
578	0.24	0.24	0.0%
579	3.03	3.14	3.6%
580	0.19	0.19	0.0%
581	11.80	13.22	12.0%
582	0.61	0.63	3.3%
583	0.47	0.48	2.1%
584	0.83	0.86	3.6%
585	2.06	2.12	2.9%
586	1.98	2.07	4.5%
587	0.40	0.4	0.0%
588	0.19	0.2	5.3%
589	0.85	0.89	4.7%
590	1.01	1.08	6.9%
591	1.47	1.55	5.4%
592	0.34	0.35	2.9%
593	0.34	0.34	0.0%
594	0.37	0.37	0.0%
595	0.97	1.01	4.1%
596	0.37	0.38	2.7%
597	0.34	0.38	11.8%
598	0.64	0.72	12.5%
599	1.36	1.42	4.4%
600	0.38	0.39	2.6%
601	0.28	0.28	0.0%
602	0.69	0.79	14.5%
603	1.37	1.42	3.6%
604	3.45	3.57	3.5%
605	0.50	0.57	14.0%
606	0.27	0.3	11.1%
607	2.47	2.4	-2.8%
608	0.96	1.07	11.5%
609	2.27	2.17	-4.4%
610	1.21	1.18	-2.5%
611	0.13	0.13	0.0%
612	3.75	3.92	4.5%
613	0.16	0.15	-6.3%
614	0.88	0.91	3.4%
615	0.90	0.94	4.4%
616	0.20	0.19	-5.0%
617	0.59	0.59	0.0%
618	0.73	0.79	8.2%
619	1.49	1.53	2.7%
620	1.82	1.83	0.5%
621	0.26	0.26	0.0%
622	0.47	0.47	0.0%
623	0.80	0.8	0.0%
624	0.82	0.82	0.0%
625	0.89	0.89	0.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
626	2.58	2.58	0.0%
627	0.95	0.98	3.2%
628	0.49	0.53	8.2%
629	0.40	0.4	0.0%
630	0.19	0.19	0.0%
631	0.62	0.62	0.0%
632	0.46	0.48	4.3%
633	0.71	0.79	11.3%
634	1.02	1.05	2.9%
635	1.40	1.46	4.3%
636	0.68	0.75	10.3%
637	1.02	1.07	4.9%
638	0.71	0.75	5.6%
639	2.01	2.11	5.0%
640	0.79	0.82	3.8%
641	0.53	0.54	1.9%
642	1.39	1.45	4.3%
643	1.04	1.17	12.5%
644	2.75	3.16	14.9%
645	0.80	0.83	3.7%
646	2.28	2.48	8.8%
647	1.16	1.21	4.3%
648	0.38	0.38	0.0%
649	1.41	1.5	6.4%
650	2.10	2.2	4.8%
651	0.60	0.62	3.3%
652	0.63	0.64	1.6%
653	0.79	0.82	3.8%
654	1.02	1.07	4.9%
655	0.59	0.61	3.4%
656	0.33	0.34	3.0%
657	0.56	0.57	1.8%
658	0.23	0.24	4.3%
659	0.76	0.8	5.3%
660	0.47	0.47	0.0%
661	0.27	0.27	0.0%
662	1.49	1.56	4.7%
663	0.35	0.33	-5.7%
664	4.06	4.16	2.5%
665	2.42	2.67	10.3%
666	16.84	16.81	-0.2%
667	0.73	0.76	4.1%
668	0.39	0.4	2.6%
669	2.65	2.94	10.9%
670	2.56	2.69	5.1%
671	1.48	1.55	4.7%
672	4.30	4.46	3.7%
673	0.61	0.68	11.5%
674	0.31	0.32	3.2%
675	1.00	1.03	3.0%
676	0.60	0.62	3.3%
677	1.38	1.39	0.7%
678	1.83	1.85	1.1%
679	2.78	2.78	0.0%
680	1.16	1.19	2.6%
681	0.31	0.32	3.2%
682	0.83	0.86	3.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
683	8.06	8.04	-0.2%
684	0.51	0.51	0.0%
685	0.15	0.15	0.0%
686	0.14	0.14	0.0%
687	0.26	0.26	0.0%
688	1.09	1.06	-2.8%
689	0.48	0.48	0.0%
690	0.58	0.6	3.4%
691	0.63	0.63	0.0%
692	0.17	0.17	0.0%
693	0.39	0.43	10.3%
694	2.53	2.68	5.9%
695	4.15	4.45	7.2%
696	8.59	8.21	-4.4%
697	0.89	0.95	6.7%
698	0.94	1.04	10.6%
699	0.23	0.23	0.0%
700	1.34	1.4	4.5%
701	1.62	1.7	4.9%
702	1.40	1.48	5.7%
703	0.84	0.87	3.6%
704	0.22	0.23	4.5%
705	0.20	0.21	5.0%
706	0.32	0.33	3.1%
707	1.42	1.48	4.2%
708	12.46	13.04	4.7%
709	12.70	13.14	3.5%
710	12.80	13.17	2.9%
711	0.41	0.42	2.4%
712	0.53	0.59	11.3%
713	0.63	0.65	3.2%
714	0.91	0.89	-2.2%
715	22.59	23.48	3.9%
716	0.57	0.6	5.3%
717	10.99	11.56	5.2%
718	1.38	1.45	5.1%
719	1.09	1.15	5.5%
720	0.47	0.49	4.3%
721	0.63	0.65	3.2%
722	0.55	0.56	1.8%
723	0.70	0.74	5.7%
724	0.66	0.69	4.5%
725	1.83	2.05	12.0%
726	0.63	0.65	3.2%
727	37.38	37.91	1.4%
728	0.28	0.29	3.6%
729	0.19	0.19	0.0%
730	0.20	0.21	5.0%
731	0.49	0.5	2.0%
732	1.79	1.89	5.6%
733	0.36	0.36	0.0%
734	0.24	0.25	4.2%
735	0.34	0.33	-2.9%
736	1.75	1.75	0.0%
737	0.75	0.75	0.0%
738	0.82	0.82	0.0%
739	0.43	0.43	0.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
740	1.29	1.29	0.0%
741	0.24	0.24	0.0%
742	0.51	0.51	0.0%
743	0.41	0.41	0.0%
744	0.67	0.75	11.9%
745	0.25	0.26	4.0%
746	0.47	0.49	4.3%
747	0.57	0.59	3.5%
748	0.73	0.73	0.0%
749	0.44	0.44	0.0%
750	0.32	0.33	3.1%
751	0.77	0.77	0.0%
752	54.27	54.83	1.0%
753	0.60	0.65	8.3%
754	1.41	1.62	14.9%
755	2.06	2.38	15.5%
756	0.12	0.12	0.0%
757	0.04	0.04	0.0%
758	2.76	3.01	9.1%
759	0.91	0.93	2.2%
760	0.59	0.66	11.9%
761	0.59	0.61	3.4%
762	1.08	1.13	4.6%
763	23.37	24.62	5.3%
764	0.48	0.49	2.1%
765	12.71	12.28	-3.4%
766	1.99	1.99	0.0%
767	0.90	0.9	0.0%
768	0.31	0.31	0.0%
769	0.40	0.41	2.5%
770	0.37	0.34	-8.1%
771	0.21	0.23	9.5%
772	0.71	0.73	2.8%
773	0.95	0.97	2.1%
774	0.41	0.44	7.3%
775	0.76	0.83	9.2%
776	0.66	0.75	13.6%
777	0.55	0.57	3.6%
778	1.07	1.12	4.7%
779	0.03	0.03	0.0%
780	0.80	0.82	2.5%
781	0.22	0.22	0.0%
782	0.15	0.16	6.7%
783	0.24	0.27	12.5%
784	0.20	0.22	10.0%
785	0.06	0.06	0.0%
786	0.48	0.48	0.0%
787	1.45	1.55	6.9%
788	0.10	0.11	10.0%
789	0.20	0.21	5.0%
790	0.41	0.47	14.6%
791	0.24	0.25	4.2%
792	0.41	0.42	2.4%
793	0.56	0.59	5.4%
794	0.29	0.3	3.4%
795	0.42	0.44	4.8%
796	0.35	0.36	2.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
797	2.26	2.51	11.1%
798	0.48	0.48	0.0%
799	0.39	0.41	5.1%
800	0.72	0.74	2.8%
801	1.98	1.99	0.5%
802	0.11	0.11	0.0%
803	0.46	0.48	4.3%
804	10.25	12.29	19.9%
805	9.62	12.04	25.2%
806	5.37	7.76	44.5%
807	4.88	7.35	50.6%
808	0.83	0.86	3.6%
809	0.90	0.97	7.8%
810	2.08	4.06	95.2%
811	1.59	3.05	91.8%
812	0.43	0.68	58.1%
813	1.46	1.57	7.5%
814	21.52	22.36	3.9%
815	22.24	23.05	3.6%
816	0.18	0.18	0.0%
817	0.47	0.48	2.1%
818	187.65	192.15	2.4%
819	0.09	0.09	0.0%
820	1.57	1.57	0.0%
821	187.57	191.95	2.3%
822	54.37	54.9	1.0%
823	1.11	1.12	0.9%
824	0.82	0.86	4.9%
825	0.10	0.1	0.0%
826	0.68	0.76	11.8%
827	0.85	0.97	14.1%
828	0.99	1.13	14.1%
829	2.25	2.5	11.1%
830	1.10	1.14	3.6%
831	0.50	0.51	2.0%
832	0.71	0.73	2.8%
833	0.41	0.38	-7.3%
834	0.56	0.57	1.8%
835	0.14	0.16	14.3%
836	2.25	2.32	3.1%
837	0.86	0.9	4.7%
838	0.32	0.33	3.1%
839	1.24	1.24	0.0%
840	0.36	0.38	5.6%
841	1.13	1.17	3.5%
842	0.17	0.18	5.9%
843	1.99	2.1	5.5%
844	2.44	2.57	5.3%
845	3.62	3.69	1.9%
846	0.57	0.6	5.3%
847	1.30	1.37	5.4%
848	0.63	0.66	4.8%
849	0.82	0.85	3.7%
850	0.44	0.45	2.3%
851	2.45	2.6	6.1%
852	1.25	1.31	4.8%
853	1.70	1.8	5.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
854	1.52	1.57	3.3%
855	0.36	0.37	2.8%
856	0.40	0.43	7.5%
857	0.04	0.05	25.0%
858	0.17	0.17	0.0%
859	0.44	0.41	-6.8%
860	0.67	0.7	4.5%
861	0.49	0.51	4.1%
862	0.75	0.84	12.0%
863	0.77	0.81	5.2%
864	3.26	3.46	6.1%
865	3.68	3.88	5.4%
866	4.20	4.44	5.7%
867	0.87	0.9	3.4%
868	0.64	0.67	4.7%
869	0.37	0.38	2.7%
870	2.73	2.95	8.1%
871	0.12	0.11	-8.3%
872	1.97	2.08	5.6%
873	0.91	0.95	4.4%
874	6.82	7.02	2.9%
875	6.93	7.17	3.5%
876	7.10	7.37	3.8%
877	1.33	1.38	3.8%
878	0.48	0.49	2.1%
879	11.62	11.23	-3.4%
880	0.69	0.71	2.9%
881	0.26	0.26	0.0%
882	2.83	3	6.0%
883	2.73	2.96	8.4%
884	14.36	14.35	-0.1%
885	9.83	9.81	-0.2%
886	0.74	0.77	4.1%
887	0.54	0.6	11.1%
888	0.72	0.75	4.2%
889	0.33	0.33	0.0%
890	0.65	0.68	4.6%
891	0.97	1	3.1%
892	3.49	3.6	3.2%
893	0.90	0.95	5.6%
894	1.10	1.14	3.6%
895	0.70	0.77	10.0%
896	4.26	4.69	10.1%
897	1.01	1.05	4.0%
898	0.77	0.81	5.2%
899	0.15	0.15	0.0%
900	0.74	0.76	2.7%
901	0.70	0.73	4.3%
902	0.87	0.86	-1.1%
903	0.59	0.62	5.1%
904	9.68	9.66	-0.2%
905	0.50	0.51	2.0%
906	1.02	1.07	4.9%
907	4.51	4.51	0.0%
908	2.63	2.78	5.7%
909	3.30	3.32	0.6%
910	0.81	0.85	4.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
911	0.36	0.37	2.8%
912	6.08	6.11	0.5%
913	0.48	0.48	0.0%
914	0.28	0.28	0.0%
915	0.71	0.73	2.8%
916	1.46	1.53	4.8%
917	4.36	4.68	7.3%
918	2.70	3.1	14.8%
919	0.57	0.65	14.0%
920	1.07	1.16	8.4%
921	1.83	1.88	2.7%
922	2.42	2.61	7.9%
923	1.06	1.11	4.7%
924	0.96	1	4.2%
925	4.04	4.27	5.7%
926	0.68	0.71	4.4%
927	1.04	1.15	10.6%
928	0.38	0.42	10.5%
929	0.72	0.75	4.2%
930	0.32	0.33	3.1%
931	2.13	2.24	5.2%
932	0.99	1.03	4.0%
933	0.96	1	4.2%
934	0.88	0.92	4.5%
935	2.17	2.29	5.5%
Average Differences (All Subcatchments)			**5.7%**
Average Differences (Focus Locations)			**2.9%**

Ultimate Development Results for the 0.5% AEP Event

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
1	270.27	273.77	1.3%
2	2.37	2.38	0.4%
3	2.32	3.52	51.7%
4	4.58	7.4	61.6%
5	5.13	5.13	0.0%
6	12.79	12.85	0.5%
7	16.10	16.09	-0.1%
8	15.94	16.03	0.6%
9	2.74	3.26	19.0%
10	20.77	28.72	38.3%
11	2.30	3.49	51.7%
12	8.24	12.55	52.3%
13	1.52	1.52	0.0%
14	2.05	2.05	0.0%
15	4.84	4.84	0.0%
16	32.63	32.72	0.3%
17	2.15	2.23	3.7%
18	7.37	8.46	14.8%
19	2.72	2.88	5.9%
20	12.00	15.7	30.8%
21	13.79	14.08	2.1%
22	35.31	35.38	0.2%
23	3.45	3.76	9.0%
24	13.92	17.23	23.8%
25	16.60	19.71	18.7%
26	24.03	31.42	30.8%
27	3.35	4.09	22.1%
28	2.69	2.81	4.5%
29	10.69	11.74	9.8%
30	3.02	3.04	0.7%
31	48.36	48.67	0.6%
32	3.13	3.14	0.3%
33	14.30	14.54	1.7%
34	31.51	43.51	38.1%
35	2.80	2.82	0.7%
36	9.90	9.65	-2.5%
37	4.40	4.49	2.0%
38	5.30	5.3	0.0%
39	13.13	13.12	-0.1%
40	51.04	51.25	0.4%
41	2.23	2.32	4.0%
42	57.10	57.35	0.4%
43	3.45	3.63	5.2%
44	31.52	43.55	38.2%
45	2.18	2.19	0.5%
46	57.28	57.54	0.5%
47	1.75	1.76	0.6%
48	3.07	3.21	4.6%
49	2.07	2.22	7.2%
50	6.52	6.22	-4.6%
51	3.28	3.5	6.7%
52	6.21	7.14	15.0%
53	5.82	6.11	5.0%
54	58.10	58.35	0.4%
55	3.48	3.45	-0.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
56	10.29	11.3	9.8%
57	14.19	14.61	3.0%
58	29.79	42.62	43.1%
59	4.84	5.55	14.7%
60	30.84	43.43	40.8%
61	6.91	7.36	6.5%
62	10.70	10.71	0.1%
63	3.03	3.05	0.7%
64	19.54	19.61	0.4%
65	1.67	1.67	0.0%
66	58.51	59.03	0.9%
67	1.90	1.94	2.1%
68	2.59	2.63	1.5%
69	23.75	24.06	1.3%
70	58.95	59.15	0.3%
71	2.66	2.79	4.9%
72	76.43	76.77	0.4%
73	3.85	4.02	4.4%
74	21.56	21.59	0.1%
75	2.62	2.56	-2.3%
76	8.52	9.51	11.6%
77	11.99	12.6	5.1%
78	32.26	43.85	35.9%
79	3.35	3.59	7.2%
80	76.96	77.24	0.4%
81	2.76	2.89	4.7%
82	38.05	44.25	16.3%
83	1.31	1.32	0.8%
84	5.23	5.27	0.8%
85	2.44	2.59	6.1%
86	4.69	4.74	1.1%
87	2.52	2.6	3.2%
88	77.87	78.1	0.3%
89	2.21	2.27	2.7%
90	75.92	76.19	0.4%
91	2.56	2.67	4.3%
92	7.68	7.74	0.8%
93	5.84	5.78	-1.0%
94	75.98	76.26	0.4%
95	3.13	3.26	4.2%
96	3.48	3.69	6.0%
97	3.49	3.62	3.7%
98	24.95	26.07	4.5%
99	3.20	3.31	3.4%
100	78.53	79	0.6%
101	3.02	3.11	3.0%
102	11.67	11.76	0.8%
103	6.64	7.65	15.2%
104	7.99	9.02	12.9%
105	2.59	2.67	3.1%
106	0.01	0.01	0.0%
107	3.27	3.76	15.0%
108	12.73	12.82	0.7%
109	2.62	2.74	4.6%
110	0.00	0	0.0%
111	3.26	3.3	1.2%
112	78.64	79.09	0.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
113	2.93	2.93	0.0%
114	3.80	3.83	0.8%
115	2.89	3.01	4.2%
116	20.31	22.23	9.5%
117	32.09	32.5	1.3%
118	78.69	79.13	0.6%
119	4.07	4.21	3.4%
120	8.76	9.1	3.9%
121	16.19	15.76	-2.7%
122	15.13	15.22	0.6%
123	22.54	26.35	16.9%
124	0.01	0.01	0.0%
125	4.27	4.37	2.3%
126	103.36	104.66	1.3%
127	5.74	5.91	3.0%
128	11.68	11.69	0.1%
129	4.51	4.77	5.8%
130	103.40	105.27	1.8%
131	8.58	8.88	3.5%
132	26.83	26.57	-1.0%
133	7.20	7.44	3.3%
134	29.05	29.27	0.8%
135	4.44	4.45	0.2%
136	3.92	3.98	1.5%
137	2.86	2.94	2.8%
138	32.68	33.28	1.8%
139	24.38	24.85	1.9%
140	2.36	2.45	3.8%
141	33.12	34.37	3.8%
142	1.54	1.47	-4.5%
143	34.80	36.21	4.1%
144	35.80	37.54	4.9%
145	105.70	106.57	0.8%
146	6.56	6.92	5.5%
147	6.72	6.68	-0.6%
148	2.35	2.42	3.0%
149	5.38	5.64	4.8%
150	8.56	8.82	3.0%
151	13.61	13.77	1.2%
152	2.17	2.4	10.6%
153	5.26	5.27	0.2%
154	8.25	9.41	14.1%
155	134.71	136.63	1.4%
156	2.91	3.32	14.1%
157	5.31	6.05	13.9%
158	3.31	3.36	1.5%
159	136.96	137.05	0.1%
160	5.43	5.67	4.4%
161	6.03	6.31	4.6%
162	21.78	22.74	4.4%
163	137.97	137.3	-0.5%
164	3.16	3.31	4.7%
165	20.36	21.09	3.6%
166	13.35	14.24	6.7%
167	19.40	20.79	7.2%
168	2.63	2.72	3.4%
169	3.13	3.24	3.5%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
170	5.20	5.74	10.4%
171	22.82	23.67	3.7%
172	3.38	3.38	0.0%
173	4.72	5.28	11.9%
174	150.24	151.59	0.9%
175	9.30	9.46	1.7%
176	2.54	2.54	0.0%
177	3.49	3.49	0.0%
178	5.94	5.93	-0.2%
179	8.41	8.62	2.5%
180	2.70	2.8	3.7%
181	154.23	155.66	0.9%
182	3.07	3.18	3.6%
183	6.89	7.08	2.8%
184	1.81	1.86	2.8%
185	12.05	12.46	3.4%
186	2.94	2.96	0.7%
187	3.38	3.4	0.6%
188	2.67	2.66	-0.4%
189	7.07	7.11	0.6%
190	2.41	2.7	12.0%
191	154.47	155.78	0.8%
192	15.76	16.53	4.9%
193	28.62	29.61	3.5%
194	2.65	2.85	7.5%
195	11.67	12.98	11.2%
196	2.73	2.9	6.2%
197	44.49	45.93	3.2%
198	14.95	15.89	6.3%
199	154.75	155.94	0.8%
200	2.15	2.16	0.5%
201	45.96	47.42	3.2%
202	16.29	16.48	1.2%
203	46.54	48.14	3.4%
204	13.98	14	0.1%
205	156.77	157.14	0.2%
206	2.38	2.38	0.0%
207	61.20	66.92	9.3%
208	3.18	3.2	0.6%
209	161.07	161.47	0.2%
210	2.50	2.61	4.4%
211	161.39	161.8	0.3%
212	3.62	4.07	12.4%
213	63.68	64.77	1.7%
214	4.82	4.91	1.9%
215	161.45	161.85	0.2%
216	64.19	65.33	1.8%
217	162.19	162.59	0.2%
218	0.34	0.34	0.0%
219	4.74	4.84	2.1%
220	2.42	2.53	4.5%
221	4.02	4.45	10.7%
222	10.39	11.03	6.2%
223	9.86	10.78	9.3%
224	3.98	3.91	-1.8%
225	4.47	4.76	6.5%
226	3.34	3.5	4.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
227	8.47	8.68	2.5%
228	2.25	2.36	4.9%
229	11.40	11.66	2.3%
230	4.91	5.36	9.2%
231	24.50	23.78	-2.9%
232	2.55	2.54	-0.4%
233	40.02	41.53	3.8%
234	0.71	0.71	0.0%
235	223.25	224.55	0.6%
236	1.65	1.71	3.6%
237	40.56	42.53	4.9%
238	5.01	5.03	0.4%
239	0.71	0.71	0.0%
240	3.21	3.68	14.6%
241	27.91	28.45	1.9%
242	14.75	14.83	0.5%
243	28.32	29.77	5.1%
244	3.54	3.66	3.4%
245	223.96	224.96	0.4%
246	2.79	3.21	15.1%
247	5.20	5.93	14.0%
248	2.92	3.16	8.2%
249	10.06	11.52	14.5%
250	41.77	43.23	3.5%
251	224.03	225.19	0.5%
252	5.96	6.84	14.8%
253	19.32	19.78	2.4%
254	3.83	3.95	3.1%
255	252.78	257.88	2.0%
256	13.31	15	12.7%
257	18.75	20.13	7.4%
258	25.94	26.54	2.3%
259	252.96	258.11	2.0%
260	5.73	6.2	8.2%
261	6.79	9.69	42.7%
262	12.42	14.7	18.4%
263	268.08	273.54	2.0%
264	2.58	2.64	2.3%
265	4.42	4.82	9.0%
266	2.79	2.8	0.4%
267	6.78	7.11	4.9%
268	2.26	3.63	60.6%
269	4.36	6.32	45.0%
270	2.56	2.56	0.0%
271	9.99	10.23	2.4%
272	5.05	5.05	0.0%
273	6.42	6.42	0.0%
274	2.59	3.77	45.6%
275	9.71	14.43	48.6%
276	1.10	1.12	1.8%
277	12.40	18.24	47.1%
278	7.54	9.83	30.4%
279	13.06	19.03	45.7%
280	3.41	3.41	0.0%
281	12.43	12.43	0.0%
282	4.16	4.3	3.4%
283	9.93	10.23	3.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
284	5.55	7.96	43.4%
285	2.26	2.26	0.0%
286	12.04	13	8.0%
287	12.10	12.34	2.0%
288	32.58	32.67	0.3%
289	4.27	4.27	0.0%
290	2.81	2.81	0.0%
291	4.12	4.12	0.0%
292	35.31	35.38	0.2%
293	13.55	13.84	2.1%
294	23.36	30.98	32.6%
295	31.52	43.53	38.1%
296	26.52	27.18	2.5%
297	28.53	29.39	3.0%
298	18.41	19.66	6.8%
299	1.31	1.32	0.8%
300	4.35	4.34	-0.2%
301	7.95	7.98	0.4%
302	20.74	20.83	0.4%
303	6.68	6.94	3.9%
304	4.76	5.18	8.8%
305	14.87	14.29	-3.9%
306	11.26	11.3	0.4%
307	0.18	0.18	0.0%
308	28.21	29.64	5.1%
309	14.50	14.6	0.7%
310	252.93	258.07	2.0%
311	25.12	26.11	3.9%
312	5.52	5.89	6.7%
313	4.93	5.32	7.9%
314	24.32	23.52	-3.3%
315	8.93	9.35	4.7%
316	6.40	6.85	7.0%
317	28.27	29.25	3.5%
318	15.71	16.43	4.6%
319	5.47	5.5	0.5%
320	4.68	4.69	0.2%
321	4.63	4.69	1.3%
322	4.58	4.61	0.7%
323	3.90	3.93	0.8%
324	3.88	3.9	0.5%
325	24.79	24.75	-0.2%
326	21.89	22.06	0.8%
327	4.32	4.5	4.2%
328	3.81	4	5.0%
329	1.13	1.14	0.9%
330	13.74	13.76	0.1%
331	10.78	12.17	12.9%
332	7.45	7.79	4.6%
333	2.50	2.61	4.4%
334	19.44	19.48	0.2%
335	2.60	2.7	3.8%
336	5.03	5.29	5.2%
337	3.20	3.33	4.1%
338	3.40	3.55	4.4%
339	5.72	6.45	12.8%
340	5.22	6.31	20.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
341	2.57	3.07	19.5%
342	31.82	44.11	38.6%
343	18.87	20.17	6.9%
344	6.69	6.93	3.6%
345	1.87	1.95	4.3%
346	1.71	1.78	4.1%
347	2.52	2.59	2.8%
348	14.12	14.45	2.3%
349	15.69	15.78	0.6%
350	4.11	4.36	6.1%
351	63.12	67.27	6.6%
352	5.90	6.4	8.5%
353	7.18	7.6	5.8%
354	2.02	2.02	0.0%
355	40.96	42.66	4.2%
356	41.47	44.15	6.5%
357	2.31	2.42	4.8%
358	17.45	19.2	10.0%
359	15.27	17.49	14.5%
360	17.59	19.75	12.3%
361	11.24	11.3	0.5%
362	3.36	3.49	3.9%
363	2.12	2.22	4.7%
364	2.12	2.22	4.7%
365	2.82	2.89	2.5%
366	2.39	2.51	5.0%
367	6.70	7.01	4.6%
368	2.27	2.33	2.6%
369	5.76	6.3	9.4%
370	3.63	3.76	3.6%
371	2.50	2.63	5.2%
372	2.45	2.53	3.3%
373	4.83	5.2	7.7%
374	1.63	1.75	7.4%
375	4.81	4.82	0.2%
376	3.63	3.68	1.4%
377	22.44	23.27	3.7%
378	134.57	136.48	1.4%
379	1.28	1.32	3.1%
380	9.21	9.37	1.7%
381	1.72	1.72	0.0%
382	2.46	2.53	2.8%
383	0.56	0.63	12.5%
384	26.73	27.29	2.1%
385	61.20	66.92	9.3%
386	4.14	4.28	3.4%
387	2.34	3.58	53.0%
388	9.67	14.34	48.3%
389	78.62	79.07	0.6%
390	0.59	0.59	0.0%
391	3.41	3.52	3.2%
392	1.23	1.37	11.4%
393	0.62	0.62	0.0%
394	2.30	2.4	4.3%
395	3.58	3.69	3.1%
396	2.08	2.15	3.4%
397	27.85	28.76	3.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
398	0.69	0.71	2.9%
399	0.32	0.31	-3.1%
400	0.53	0.53	0.0%
401	4.29	4.3	0.2%
402	2.82	3.05	8.2%
403	2.13	2.19	2.8%
404	12.68	13.11	3.4%
405	5.39	5.74	6.5%
406	4.26	4.42	3.8%
407	78.61	79.07	0.6%
408	14.90	14.97	0.5%
409	15.12	15.21	0.6%
410	26.89	25.95	-3.5%
411	2.68	2.71	1.1%
412	3.65	3.67	0.5%
413	3.32	3.45	3.9%
414	4.99	5.6	12.2%
415	5.11	5.4	5.7%
416	1.48	1.53	3.4%
417	1.76	1.81	2.8%
418	3.03	3.22	6.3%
419	11.15	11.17	0.2%
420	35.62	37.29	4.7%
421	1.35	1.4	3.7%
422	12.49	14.5	16.1%
423	6.34	6.96	9.8%
424	5.11	5.33	4.3%
425	1.26	1.41	11.9%
426	1.54	1.56	1.3%
427	2.36	2.45	3.8%
428	2.81	2.93	4.3%
429	41.08	48.91	19.1%
430	0.74	0.72	-2.7%
431	2.15	2.22	3.3%
432	1.49	1.51	1.3%
433	2.93	3.03	3.4%
434	2.22	2.29	3.2%
435	1.09	1.13	3.7%
436	10.91	10.96	0.5%
437	9.57	9.58	0.1%
438	9.19	9.21	0.2%
439	9.01	9.03	0.2%
440	7.66	7.72	0.8%
441	7.54	7.58	0.5%
442	7.42	7.46	0.5%
443	11.60	11.69	0.8%
444	11.67	11.76	0.8%
445	1.03	1.04	1.0%
446	0.68	0.69	1.5%
447	2.75	2.82	2.5%
448	1.73	1.74	0.6%
449	1.54	1.56	1.3%
450	0.14	0.14	0.0%
451	0.67	0.68	1.5%
452	0.39	0.4	2.6%
453	4.39	4.43	0.9%
454	1.13	1.17	3.5%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
455	4.61	4.56	-1.1%
456	0.20	0.2	0.0%
457	1.19	1.21	1.7%
458	0.42	0.42	0.0%
459	1.37	1.39	1.5%
460	2.27	2.32	2.2%
461	2.98	3.08	3.4%
462	1.27	1.33	4.7%
463	0.57	0.59	3.5%
464	0.75	0.78	4.0%
465	0.25	0.24	-4.0%
466	0.77	0.77	0.0%
467	3.05	3.06	0.3%
468	2.23	2.29	2.7%
469	1.35	1.38	2.2%
470	0.82	0.83	1.2%
471	0.66	0.67	1.5%
472	0.50	0.51	2.0%
473	0.80	0.83	3.7%
474	2.81	2.92	3.9%
475	2.47	2.55	3.2%
476	0.27	0.26	-3.7%
477	0.35	0.35	0.0%
478	0.78	0.79	1.3%
479	1.24	1.28	3.2%
480	2.86	3	4.9%
481	3.19	3.3	3.4%
482	0.08	0.08	0.0%
483	0.26	0.26	0.0%
484	0.51	0.51	0.0%
485	1.39	1.42	2.2%
486	1.46	1.51	3.4%
487	0.26	0.27	3.8%
488	0.35	0.35	0.0%
489	2.86	2.97	3.8%
490	0.12	0.12	0.0%
491	0.44	0.44	0.0%
492	0.85	0.85	0.0%
493	0.16	0.16	0.0%
494	0.29	0.32	10.3%
495	0.41	0.42	2.4%
496	0.50	0.51	2.0%
497	1.14	1.1	-3.5%
498	0.57	0.57	0.0%
499	0.52	0.59	13.5%
500	0.61	0.61	0.0%
501	0.70	0.71	1.4%
502	22.54	26.34	16.9%
503	0.95	0.97	2.1%
504	1.26	1.31	4.0%
505	0.48	0.48	0.0%
506	0.40	0.4	0.0%
507	0.60	0.6	0.0%
508	0.33	0.32	-3.0%
509	0.96	0.97	1.0%
510	3.30	3.61	9.4%
511	4.15	4.39	5.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
512	4.34	4.56	5.1%
513	2.19	2.31	5.5%
514	0.84	0.81	-3.6%
515	1.09	1.13	3.7%
516	0.42	0.43	2.4%
517	0.48	0.48	0.0%
518	1.22	1.24	1.6%
519	1.35	1.4	3.7%
520	1.81	1.85	2.2%
521	0.48	0.49	2.1%
522	0.59	0.61	3.4%
523	0.68	0.68	0.0%
524	0.82	0.82	0.0%
525	2.61	2.86	9.6%
526	0.68	0.69	1.5%
527	3.25	3.38	4.0%
528	0.52	0.56	7.7%
529	0.18	0.19	5.6%
530	1.56	1.62	3.8%
531	0.58	0.57	-1.7%
532	0.11	0.11	0.0%
533	1.11	1.22	9.9%
534	1.57	1.77	12.7%
535	1.04	1.04	0.0%
536	1.10	1.11	0.9%
537	0.99	0.99	0.0%
538	0.13	0.13	0.0%
539	0.35	0.35	0.0%
540	0.53	0.53	0.0%
541	1.20	1.21	0.8%
542	0.60	0.6	0.0%
543	2.44	2.44	0.0%
544	0.64	0.64	0.0%
545	1.27	1.27	0.0%
546	1.41	1.41	0.0%
547	2.52	2.53	0.4%
548	2.64	2.86	8.3%
549	1.78	1.79	0.6%
550	2.83	2.85	0.7%
551	6.93	6.97	0.6%
552	7.05	7.09	0.6%
553	2.37	2.37	0.0%
554	0.30	0.3	0.0%
555	1.00	1.01	1.0%
556	12.11	12.13	0.2%
557	11.05	11.04	-0.1%
558	1.52	1.52	0.0%
559	0.98	0.98	0.0%
560	0.72	0.72	0.0%
561	0.32	0.32	0.0%
562	0.61	0.62	1.6%
563	0.91	1.04	14.3%
564	0.43	0.46	7.0%
565	1.05	1.13	7.6%
566	1.67	1.68	0.6%
567	1.85	1.86	0.5%
568	2.37	2.39	0.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
569	0.40	0.4	0.0%
570	2.82	2.84	0.7%
571	0.41	0.42	2.4%
572	1.05	1.07	1.9%
573	1.65	1.76	6.7%
574	0.77	0.79	2.6%
575	0.66	0.67	1.5%
576	0.29	0.29	0.0%
577	0.66	0.66	0.0%
578	0.31	0.31	0.0%
579	3.65	3.75	2.7%
580	0.24	0.24	0.0%
581	14.20	15.56	9.6%
582	0.79	0.81	2.5%
583	0.56	0.56	0.0%
584	1.08	1.09	0.9%
585	2.55	2.56	0.4%
586	2.46	2.46	0.0%
587	0.47	0.47	0.0%
588	0.22	0.23	4.5%
589	1.11	1.13	1.8%
590	1.31	1.36	3.8%
591	1.73	1.82	5.2%
592	0.43	0.44	2.3%
593	0.45	0.45	0.0%
594	0.46	0.46	0.0%
595	1.28	1.3	1.6%
596	0.44	0.44	0.0%
597	0.40	0.43	7.5%
598	0.72	0.82	13.9%
599	1.79	1.82	1.7%
600	0.48	0.49	2.1%
601	0.38	0.38	0.0%
602	0.83	0.91	9.6%
603	1.74	1.69	-2.9%
604	4.20	4.25	1.2%
605	0.62	0.65	4.8%
606	0.30	0.34	13.3%
607	2.89	2.75	-4.8%
608	1.09	1.22	11.9%
609	2.66	2.57	-3.4%
610	1.46	1.41	-3.4%
611	0.15	0.15	0.0%
612	4.57	4.6	0.7%
613	0.19	0.18	-5.3%
614	1.07	1.09	1.9%
615	1.14	1.18	3.5%
616	0.23	0.23	0.0%
617	0.76	0.76	0.0%
618	0.83	0.9	8.4%
619	1.87	1.88	0.5%
620	2.32	2.32	0.0%
621	0.31	0.32	3.2%
622	0.57	0.58	1.8%
623	0.99	0.99	0.0%
624	1.03	1.03	0.0%
625	1.10	1.1	0.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
626	3.20	3.2	0.0%
627	1.14	1.16	1.8%
628	0.58	0.61	5.2%
629	0.51	0.51	0.0%
630	0.24	0.24	0.0%
631	0.76	0.76	0.0%
632	0.59	0.59	0.0%
633	0.92	0.94	2.2%
634	1.31	1.33	1.5%
635	1.82	1.87	2.7%
636	0.88	0.89	1.1%
637	1.33	1.37	3.0%
638	0.93	0.95	2.2%
639	2.62	2.7	3.1%
640	1.02	1.04	2.0%
641	0.63	0.62	-1.6%
642	1.51	1.66	9.9%
643	1.18	1.33	12.7%
644	3.18	3.6	13.2%
645	1.05	1.07	1.9%
646	2.84	2.93	3.2%
647	1.50	1.53	2.0%
648	0.44	0.44	0.0%
649	1.77	1.76	-0.6%
650	2.72	2.78	2.2%
651	0.79	0.8	1.3%
652	0.74	0.75	1.4%
653	1.02	1.05	2.9%
654	1.31	1.34	2.3%
655	0.77	0.79	2.6%
656	0.40	0.4	0.0%
657	0.66	0.67	1.5%
658	0.28	0.29	3.6%
659	0.99	1	1.0%
660	0.56	0.56	0.0%
661	0.31	0.31	0.0%
662	1.90	1.83	-3.7%
663	0.41	0.41	0.0%
664	5.00	5.01	0.2%
665	3.06	3.18	3.9%
666	21.64	21.79	0.7%
667	0.96	0.98	2.1%
668	0.46	0.47	2.2%
669	3.50	3.62	3.4%
670	3.24	3.37	4.0%
671	1.92	1.98	3.1%
672	5.67	5.86	3.4%
673	0.81	0.82	1.2%
674	0.37	0.38	2.7%
675	1.36	1.38	1.5%
676	0.80	0.81	1.3%
677	1.75	1.84	5.1%
678	2.32	2.33	0.4%
679	3.51	3.51	0.0%
680	1.32	1.48	12.1%
681	0.39	0.37	-5.1%
682	1.10	1.11	0.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
683	9.38	9.36	-0.2%
684	0.65	0.65	0.0%
685	0.19	0.19	0.0%
686	0.16	0.17	6.3%
687	0.30	0.3	0.0%
688	1.32	1.34	1.5%
689	0.62	0.62	0.0%
690	0.75	0.76	1.3%
691	0.80	0.8	0.0%
692	0.20	0.2	0.0%
693	0.52	0.53	1.9%
694	3.03	3.33	9.9%
695	4.99	5.53	10.8%
696	9.82	10.26	4.5%
697	1.14	1.14	0.0%
698	1.20	1.2	0.0%
699	0.29	0.28	-3.4%
700	1.72	1.78	3.5%
701	2.07	2.14	3.4%
702	1.78	1.84	3.4%
703	1.09	1.12	2.8%
704	0.27	0.27	0.0%
705	0.26	0.27	3.8%
706	0.42	0.43	2.4%
707	1.76	1.82	3.4%
708	15.40	15.89	3.2%
709	15.53	16	3.0%
710	15.57	16.08	3.3%
711	0.49	0.49	0.0%
712	0.67	0.66	-1.5%
713	0.76	0.76	0.0%
714	1.10	1.14	3.6%
715	27.38	28.04	2.4%
716	0.75	0.78	4.0%
717	13.63	14.08	3.3%
718	1.78	1.83	2.8%
719	1.37	1.43	4.4%
720	0.63	0.64	1.6%
721	0.75	0.72	-4.0%
722	0.66	0.67	1.5%
723	0.91	0.93	2.2%
724	0.87	0.9	3.4%
725	2.42	2.53	4.5%
726	0.86	0.87	1.2%
727	44.00	45.41	3.2%
728	0.33	0.34	3.0%
729	0.25	0.25	0.0%
730	0.26	0.26	0.0%
731	0.61	0.58	-4.9%
732	2.33	2.42	3.9%
733	0.44	0.44	0.0%
734	0.29	0.3	3.4%
735	0.42	0.43	2.4%
736	2.15	2.16	0.5%
737	0.95	0.95	0.0%
738	1.05	1.05	0.0%
739	0.56	0.57	1.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
740	1.63	1.63	0.0%
741	0.32	0.32	0.0%
742	0.66	0.66	0.0%
743	0.54	0.54	0.0%
744	0.92	0.93	1.1%
745	0.31	0.31	0.0%
746	0.58	0.59	1.7%
747	0.77	0.79	2.6%
748	0.95	0.96	1.1%
749	0.53	0.53	0.0%
750	0.41	0.41	0.0%
751	0.95	0.95	0.0%
752	63.67	64.72	1.6%
753	0.70	0.75	7.1%
754	1.63	1.85	13.5%
755	2.34	2.7	15.4%
756	0.14	0.14	0.0%
757	0.05	0.05	0.0%
758	3.29	3.57	8.5%
759	1.16	1.17	0.9%
760	0.80	0.81	1.3%
761	0.76	0.78	2.6%
762	1.41	1.45	2.8%
763	28.23	29.69	5.2%
764	0.58	0.59	1.7%
765	14.56	14.71	1.0%
766	2.42	2.42	0.0%
767	1.13	1.13	0.0%
768	0.39	0.38	-2.6%
769	0.53	0.53	0.0%
770	0.44	0.44	0.0%
771	0.26	0.26	0.0%
772	0.89	0.9	1.1%
773	1.13	1.14	0.9%
774	0.46	0.5	8.7%
775	0.89	0.95	6.7%
776	0.75	0.85	13.3%
777	0.73	0.74	1.4%
778	1.39	1.44	3.6%
779	0.04	0.03	-25.0%
780	1.05	1.06	1.0%
781	0.26	0.27	3.8%
782	0.19	0.19	0.0%
783	0.28	0.3	7.1%
784	0.23	0.25	8.7%
785	0.07	0.07	0.0%
786	0.57	0.56	-1.8%
787	1.80	1.9	5.6%
788	0.12	0.13	8.3%
789	0.24	0.25	4.2%
790	0.48	0.53	10.4%
791	0.29	0.3	3.4%
792	0.49	0.5	2.0%
793	0.74	0.76	2.7%
794	0.39	0.4	2.6%
795	0.56	0.58	3.6%
796	0.45	0.45	0.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
797	3.02	3.15	4.3%
798	0.63	0.62	-1.6%
799	0.52	0.54	3.8%
800	0.93	0.95	2.2%
801	2.51	2.52	0.4%
802	0.13	0.13	0.0%
803	0.56	0.57	1.8%
804	12.32	14.59	18.4%
805	11.83	14.27	20.6%
806	6.70	9.12	36.1%
807	6.28	8.52	35.7%
808	1.04	1.02	-1.9%
809	1.02	1.11	8.8%
810	2.58	4.64	79.8%
811	2.03	3.49	71.9%
812	0.58	0.78	34.5%
813	1.82	1.92	5.5%
814	25.15	26.14	3.9%
815	25.93	26.53	2.3%
816	0.21	0.21	0.0%
817	0.57	0.58	1.8%
818	223.19	224.48	0.6%
819	0.18	0.18	0.0%
820	1.83	1.84	0.5%
821	223.11	224.4	0.6%
822	64.15	65.26	1.7%
823	1.40	1.41	0.7%
824	1.12	1.15	2.7%
825	0.12	0.13	8.3%
826	0.75	0.86	14.7%
827	1.07	1.11	3.7%
828	1.24	1.28	3.2%
829	2.73	2.9	6.2%
830	1.44	1.46	1.4%
831	0.64	0.64	0.0%
832	0.92	0.92	0.0%
833	0.48	0.48	0.0%
834	0.67	0.67	0.0%
835	0.16	0.18	12.5%
836	3.02	3.06	1.3%
837	1.12	1.15	2.7%
838	0.41	0.41	0.0%
839	1.53	1.66	8.5%
840	0.46	0.47	2.2%
841	1.43	1.44	0.7%
842	0.20	0.21	5.0%
843	2.41	2.52	4.6%
844	3.05	3.17	3.9%
845	4.47	4.75	6.3%
846	0.75	0.77	2.7%
847	1.59	1.65	3.8%
848	0.83	0.84	1.2%
849	1.07	1.09	1.9%
850	0.54	0.54	0.0%
851	2.96	3.12	5.4%
852	1.60	1.65	3.1%
853	2.18	2.26	3.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
854	1.98	2.01	1.5%
855	0.42	0.43	2.4%
856	0.50	0.49	-2.0%
857	0.05	0.05	0.0%
858	0.20	0.2	0.0%
859	0.52	0.52	0.0%
860	0.88	0.9	2.3%
861	0.59	0.6	1.7%
862	0.98	0.99	1.0%
863	1.01	1.03	2.0%
864	4.11	4.08	-0.7%
865	4.70	4.93	4.9%
866	5.17	5.41	4.6%
867	1.14	1.16	1.8%
868	0.85	0.87	2.4%
869	0.45	0.46	2.2%
870	3.33	3.55	6.6%
871	0.14	0.13	-7.1%
872	2.39	2.47	3.3%
873	1.20	1.22	1.7%
874	8.34	8.63	3.5%
875	8.45	8.69	2.8%
876	8.60	8.9	3.5%
877	1.63	1.66	1.8%
878	0.57	0.57	0.0%
879	13.06	13.6	4.1%
880	0.83	0.84	1.2%
881	0.31	0.31	0.0%
882	3.56	3.62	1.7%
883	3.47	3.58	3.2%
884	18.82	17.15	-8.9%
885	12.61	12.51	-0.8%
886	0.96	0.98	2.1%
887	0.71	0.72	1.4%
888	0.94	0.97	3.2%
889	0.43	0.43	0.0%
890	0.86	0.88	2.3%
891	1.25	1.27	1.6%
892	4.11	4.55	10.7%
893	1.17	1.21	3.4%
894	1.34	1.38	3.0%
895	0.90	0.92	2.2%
896	5.49	5.69	3.6%
897	1.33	1.35	1.5%
898	1.01	1.04	3.0%
899	0.19	0.19	0.0%
900	0.89	0.9	1.1%
901	0.91	0.93	2.2%
902	1.08	1.1	1.9%
903	0.78	0.8	2.6%
904	12.49	12.39	-0.8%
905	0.59	0.6	1.7%
906	1.32	1.35	2.3%
907	5.16	5.2	0.8%
908	3.35	3.46	3.3%
909	4.14	4.18	1.0%
910	0.95	1.06	11.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
911	0.46	0.46	0.0%
912	8.01	7.46	-6.9%
913	0.58	0.58	0.0%
914	0.33	0.33	0.0%
915	0.86	0.87	1.2%
916	1.93	1.98	2.6%
917	5.14	5.37	4.5%
918	3.08	3.54	14.9%
919	0.67	0.75	11.9%
920	1.26	1.31	4.0%
921	2.17	2.24	3.2%
922	3.11	3.24	4.2%
923	1.40	1.43	2.1%
924	1.25	1.28	2.4%
925	5.22	5.51	5.6%
926	0.88	0.88	0.0%
927	1.34	1.36	1.5%
928	0.44	0.48	9.1%
929	0.94	0.96	2.1%
930	0.39	0.39	0.0%
931	2.73	2.83	3.7%
932	1.28	1.31	2.3%
933	1.25	1.28	2.4%
934	1.15	1.17	1.7%
935	2.78	2.87	3.2%
Average Differences (All Subcatchments)			**4.3%**
Average Differences (Focus Locations)			**2.9%**

Ultimate Development Results for the PMF Event

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
1	1528.90	1540.00	0.7%
2	11.27	11.25	-0.2%
3	10.39	11.57	11.4%
4	21.68	24.72	14.0%
5	21.75	21.80	0.2%
6	56.63	56.77	0.2%
7	74.62	74.82	0.3%
8	72.95	73.44	0.7%
9	9.78	10.66	9.0%
10	93.83	110.56	17.8%
11	10.42	11.56	11.0%
12	39.22	45.83	16.9%
13	7.46	7.42	-0.6%
14	10.00	9.96	-0.4%
15	22.08	22.09	0.1%
16	149.55	150.17	0.4%
17	7.61	7.55	-0.8%
18	30.81	32.75	6.3%
19	14.29	14.46	1.2%
20	49.97	58.89	17.9%
21	65.56	66.27	1.1%
22	167.27	167.99	0.4%
23	16.22	16.33	0.6%
24	64.39	71.07	10.4%
25	79.74	85.79	7.6%
26	109.86	124.20	13.1%
27	12.34	13.45	9.0%
28	10.79	10.81	0.2%
29	44.00	47.73	8.5%
30	14.21	14.24	0.2%
31	233.25	234.30	0.5%
32	10.71	11.20	4.6%
33	56.14	60.57	7.9%
34	252.10	262.70	4.2%
35	13.35	13.31	-0.3%
36	44.28	44.36	0.2%
37	19.60	19.67	0.4%
38	23.71	23.57	-0.6%
39	59.69	59.80	0.2%
40	240.64	241.96	0.5%
41	8.96	8.94	-0.3%
42	280.02	281.04	0.4%
43	13.72	13.76	0.3%
44	252.59	263.31	4.2%
45	10.42	10.42	0.0%
46	284.10	285.10	0.4%
47	8.27	8.22	-0.6%
48	14.03	14.05	0.2%
49	9.51	9.53	0.2%
50	29.47	29.41	-0.2%
51	11.99	12.30	2.6%
52	25.71	27.35	6.4%
53	24.64	24.80	0.6%
54	294.35	295.21	0.3%
55	12.72	13.12	3.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
56	40.12	42.23	5.3%
57	55.31	57.72	4.4%
58	260.30	272.60	4.7%
59	18.82	19.61	4.2%
60	285.24	294.92	3.4%
61	32.15	32.17	0.1%
62	48.76	48.75	0.0%
63	15.82	15.90	0.5%
64	90.11	90.23	0.1%
65	8.65	8.66	0.1%
66	307.38	308.26	0.3%
67	9.08	9.10	0.2%
68	12.12	12.07	-0.4%
69	117.05	117.13	0.1%
70	309.82	310.84	0.3%
71	11.39	11.39	0.0%
72	393.21	394.15	0.2%
73	18.77	18.80	0.2%
74	102.04	102.12	0.1%
75	9.87	10.08	2.1%
76	36.89	38.11	3.3%
77	49.92	51.17	2.5%
78	301.49	312.20	3.6%
79	11.68	11.74	0.5%
80	402.51	403.43	0.2%
81	11.28	11.46	1.6%
82	321.83	335.98	4.4%
83	10.26	10.28	0.2%
84	25.11	24.92	-0.7%
85	11.07	11.10	0.2%
86	22.47	22.51	0.2%
87	9.64	9.67	0.3%
88	413.02	413.93	0.2%
89	10.13	10.15	0.2%
90	411.40	412.40	0.2%
91	10.78	10.85	0.7%
92	32.71	32.67	-0.1%
93	30.66	30.73	0.2%
94	414.27	415.33	0.3%
95	11.94	12.21	2.2%
96	13.24	13.60	2.8%
97	13.46	13.74	2.1%
98	303.30	307.60	1.4%
99	13.99	14.09	0.7%
100	434.84	435.95	0.3%
101	12.13	12.19	0.5%
102	53.57	53.56	0.0%
103	26.06	27.31	4.8%
104	33.73	34.27	1.6%
105	9.88	10.10	2.2%
106	0.02	0.02	0.0%
107	13.52	13.74	1.6%
108	60.74	60.71	0.0%
109	10.97	10.95	-0.2%
110	0.00	0.00	0.0%
111	14.34	14.31	-0.2%
112	442.70	443.81	0.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
113	12.57	12.53	-0.3%
114	18.03	17.90	-0.7%
115	12.19	12.08	-0.9%
116	90.04	93.42	3.7%
117	317.30	322.29	1.6%
118	446.51	447.67	0.3%
119	18.55	18.74	1.0%
120	42.91	43.10	0.4%
121	68.88	70.05	1.7%
122	77.31	77.23	-0.1%
123	100.92	105.11	4.2%
124	0.02	0.02	0.0%
125	17.64	17.83	1.1%
126	763.51	768.00	0.6%
127	25.92	26.13	0.8%
128	54.43	54.29	-0.3%
129	22.43	22.42	-0.1%
130	808.34	813.42	0.6%
131	37.28	37.29	0.0%
132	135.50	133.40	-1.5%
133	29.71	29.99	0.9%
134	156.88	154.84	-1.3%
135	18.77	18.91	0.8%
136	19.07	18.98	-0.4%
137	14.97	15.07	0.7%
138	174.92	174.04	-0.5%
139	116.41	116.15	-0.2%
140	11.25	11.22	-0.2%
141	183.31	182.46	-0.5%
142	6.91	6.96	0.8%
143	195.47	194.52	-0.5%
144	202.55	201.51	-0.5%
145	817.89	822.93	0.6%
146	29.62	29.83	0.7%
147	24.27	23.19	-4.5%
148	10.12	10.29	1.7%
149	23.43	23.66	1.0%
150	37.81	38.49	1.8%
151	56.41	54.96	-2.6%
152	9.46	9.54	0.9%
153	16.87	16.87	0.0%
154	38.49	39.60	2.9%
155	972.09	978.79	0.7%
156	13.89	13.87	-0.1%
157	24.37	25.48	4.6%
158	15.32	15.23	-0.6%
159	984.30	989.01	0.5%
160	22.55	22.78	1.0%
161	29.06	29.27	0.7%
162	94.38	93.22	-1.2%
163	989.68	994.37	0.5%
164	13.81	14.00	1.4%
165	84.12	84.60	0.6%
166	60.82	61.70	1.4%
167	81.18	81.68	0.6%
168	12.76	12.65	-0.9%
169	14.21	14.50	2.0%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
170	27.05	27.05	0.0%
171	96.93	97.61	0.7%
172	15.97	15.95	-0.1%
173	24.27	24.85	2.4%
174	1035.80	1040.40	0.4%
175	42.38	41.40	-2.3%
176	14.22	13.96	-1.8%
177	21.45	21.20	-1.2%
178	35.80	35.23	-1.6%
179	42.82	43.23	1.0%
180	11.37	11.43	0.5%
181	1052.70	1057.00	0.4%
182	12.73	12.89	1.2%
183	33.99	34.10	0.3%
184	7.01	7.13	1.6%
185	56.23	56.66	0.8%
186	13.71	13.66	-0.4%
187	13.88	13.80	-0.6%
188	12.11	11.93	-1.5%
189	28.19	28.17	-0.1%
190	11.04	11.25	1.9%
191	1055.30	1059.60	0.4%
192	76.48	76.85	0.5%
193	129.56	130.58	0.8%
194	13.67	13.78	0.8%
195	56.09	57.08	1.8%
196	13.98	14.33	2.5%
197	209.76	211.17	0.7%
198	70.80	71.46	0.9%
199	1058.50	1062.80	0.4%
200	12.95	12.94	-0.1%
201	218.26	219.50	0.6%
202	83.97	83.74	-0.3%
203	222.07	223.31	0.6%
204	67.21	67.37	0.2%
205	1078.00	1081.80	0.4%
206	13.38	13.17	-1.5%
207	298.51	299.63	0.4%
208	15.44	15.54	0.6%
209	1108.60	1113.30	0.4%
210	10.37	10.43	0.5%
211	1113.00	1117.70	0.4%
212	16.99	17.65	3.9%
213	320.61	320.97	0.1%
214	20.33	20.57	1.1%
215	1114.90	1119.70	0.4%
216	326.51	326.95	0.1%
217	1126.90	1131.80	0.4%
218	8.21	8.19	-0.2%
219	19.85	20.07	1.1%
220	8.96	9.11	1.7%
221	14.96	15.07	0.7%
222	45.91	47.35	3.1%
223	46.25	46.56	0.7%
224	19.10	18.28	-4.3%
225	22.16	22.54	1.7%
226	14.37	14.39	0.2%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
227	41.65	41.21	-1.1%
228	9.19	9.17	-0.2%
229	55.14	54.68	-0.8%
230	22.82	23.19	1.6%
231	109.92	111.08	1.1%
232	12.50	12.44	-0.5%
233	193.01	193.52	0.3%
234	5.04	4.87	-3.5%
235	1335.50	1342.50	0.5%
236	6.35	6.46	1.7%
237	202.97	204.52	0.8%
238	25.35	25.21	-0.6%
239	5.04	4.87	-3.5%
240	11.37	11.66	2.5%
241	132.99	133.82	0.6%
242	72.49	72.88	0.5%
243	140.77	141.08	0.2%
244	15.85	15.99	0.9%
245	1344.90	1351.80	0.5%
246	10.44	10.69	2.5%
247	17.62	16.82	-4.6%
248	11.37	11.62	2.2%
249	35.38	34.83	-1.6%
250	214.09	215.63	0.7%
251	1348.20	1355.20	0.5%
252	20.35	21.06	3.5%
253	76.70	77.67	1.3%
254	17.39	17.70	1.8%
255	1460.80	1471.30	0.7%
256	49.94	49.26	-1.4%
257	86.04	86.30	0.3%
258	117.91	116.82	-0.9%
259	1465.30	1476.60	0.8%
260	23.70	24.07	1.6%
261	28.15	32.40	15.1%
262	51.33	55.74	8.6%
263	1516.90	1528.50	0.8%
264	10.20	10.20	0.0%
265	20.82	21.17	1.7%
266	12.86	12.83	-0.2%
267	30.20	30.33	0.4%
268	10.65	12.05	13.1%
269	20.65	22.58	9.3%
270	11.99	11.94	-0.4%
271	43.24	43.46	0.5%
272	24.34	24.48	0.6%
273	28.59	28.63	0.1%
274	12.22	13.63	11.5%
275	47.07	53.07	12.8%
276	3.89	4.02	3.4%
277	58.45	66.02	13.0%
278	32.10	39.26	22.3%
279	61.95	71.25	15.0%
280	16.59	16.64	0.3%
281	56.76	56.95	0.3%
282	19.49	19.73	1.2%
283	45.17	45.92	1.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
284	24.93	30.18	21.1%
285	10.53	10.51	-0.3%
286	53.48	53.68	0.4%
287	56.86	57.58	1.3%
288	148.82	149.44	0.4%
289	20.50	20.61	0.6%
290	13.60	13.60	0.0%
291	19.95	19.87	-0.4%
292	167.18	167.91	0.4%
293	63.99	64.70	1.1%
294	106.15	121.82	14.8%
295	252.41	263.08	4.2%
296	309.23	313.71	1.4%
297	312.47	317.17	1.5%
298	79.76	83.22	4.3%
299	10.22	10.24	0.2%
300	20.81	20.67	-0.7%
301	36.91	36.62	-0.8%
302	89.26	89.03	-0.2%
303	32.41	32.55	0.4%
304	23.31	23.57	1.1%
305	63.90	64.32	0.6%
306	46.57	46.71	0.3%
307	3.54	3.53	-0.3%
308	138.30	138.66	0.3%
309	71.69	72.17	0.7%
310	1464.90	1476.10	0.8%
311	111.99	110.92	-1.0%
312	22.31	22.73	1.9%
313	22.53	22.84	1.4%
314	107.17	108.41	1.2%
315	34.62	34.86	0.7%
316	28.58	29.25	2.3%
317	127.84	128.62	0.6%
318	75.99	76.37	0.5%
319	16.80	16.80	0.0%
320	12.52	12.54	0.2%
321	12.18	12.21	0.2%
322	13.13	13.23	0.8%
323	8.85	8.86	0.2%
324	8.79	8.81	0.2%
325	116.30	116.00	-0.3%
326	95.92	95.67	-0.3%
327	16.93	17.31	2.3%
328	16.92	16.95	0.2%
329	5.01	4.99	-0.3%
330	61.78	62.01	0.4%
331	53.20	53.40	0.4%
332	36.91	37.44	1.4%
333	9.54	9.81	2.9%
334	81.99	81.79	-0.2%
335	10.00	10.06	0.6%
336	21.68	21.88	0.9%
337	12.93	13.04	0.9%
338	14.05	14.12	0.5%
339	22.43	23.11	3.0%
340	21.61	22.86	5.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
341	11.83	12.39	4.7%
342	261.71	273.76	4.6%
343	83.44	86.89	4.1%
344	32.59	32.70	0.4%
345	8.62	8.60	-0.3%
346	6.35	6.36	0.2%
347	9.84	9.89	0.5%
348	66.39	66.76	0.6%
349	81.08	80.50	-0.7%
350	17.38	17.56	1.0%
351	303.27	304.03	0.3%
352	31.09	30.92	-0.6%
353	32.25	32.81	1.7%
354	9.87	9.81	-0.6%
355	206.69	208.12	0.7%
356	210.80	212.29	0.7%
357	10.46	10.57	1.1%
358	73.10	74.31	1.7%
359	63.40	65.69	3.6%
360	76.11	77.23	1.5%
361	50.33	50.33	0.0%
362	14.35	14.35	0.0%
363	9.44	9.49	0.6%
364	8.85	8.82	-0.4%
365	11.77	11.70	-0.6%
366	11.75	11.77	0.2%
367	29.31	29.39	0.2%
368	8.60	8.77	2.0%
369	28.06	28.28	0.8%
370	16.00	15.95	-0.3%
371	10.84	10.85	0.1%
372	8.76	8.80	0.5%
373	25.30	25.61	1.2%
374	7.78	7.91	1.7%
375	22.74	22.75	0.0%
376	16.67	16.70	0.2%
377	100.19	104.43	4.2%
378	970.15	976.87	0.7%
379	4.44	4.57	2.9%
380	40.18	40.66	1.2%
381	8.23	8.15	-1.0%
382	10.34	10.27	-0.7%
383	2.31	2.31	0.1%
384	117.92	118.70	0.7%
385	298.50	299.62	0.4%
386	18.96	19.05	0.5%
387	10.93	12.83	17.4%
388	46.86	52.78	12.6%
389	440.87	441.96	0.2%
390	2.25	2.26	0.4%
391	15.82	15.96	0.9%
392	5.16	5.11	-0.9%
393	2.55	2.53	-0.7%
394	9.59	9.62	0.2%
395	14.37	14.40	0.2%
396	8.11	8.07	-0.5%
397	132.47	133.33	0.6%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
398	2.66	2.69	1.3%
399	1.22	1.20	-1.6%
400	4.42	4.26	-3.6%
401	21.79	21.72	-0.3%
402	10.73	10.97	2.2%
403	8.16	8.33	2.2%
404	58.20	58.79	1.0%
405	23.13	23.46	1.4%
406	17.47	17.59	0.7%
407	440.27	441.37	0.2%
408	75.52	75.43	-0.1%
409	77.22	77.14	-0.1%
410	135.65	133.41	-1.7%
411	12.32	12.31	-0.1%
412	17.23	17.22	-0.1%
413	15.76	15.84	0.5%
414	19.09	20.08	5.1%
415	20.28	20.49	1.0%
416	5.66	5.76	1.8%
417	6.76	6.86	1.4%
418	15.22	14.78	-2.9%
419	47.03	46.53	-1.1%
420	201.22	200.18	-0.5%
421	4.70	4.83	2.6%
422	49.28	50.80	3.1%
423	23.88	24.27	1.6%
424	19.43	19.65	1.2%
425	4.48	3.97	-11.4%
426	6.91	6.89	-0.3%
427	9.51	9.49	-0.2%
428	9.63	9.85	2.3%
429	192.29	206.90	7.6%
430	2.57	2.58	0.5%
431	7.38	7.52	1.9%
432	5.11	5.24	2.5%
433	10.54	10.65	1.1%
434	8.49	8.62	1.5%
435	3.98	3.99	0.3%
436	48.04	47.99	-0.1%
437	42.31	42.24	-0.2%
438	40.46	40.40	-0.1%
439	39.66	39.62	-0.1%
440	32.57	32.55	-0.1%
441	31.86	31.84	-0.1%
442	29.64	29.65	0.0%
443	52.80	52.78	0.0%
444	53.52	53.52	0.0%
445	4.50	4.47	-0.7%
446	2.83	2.84	0.4%
447	11.63	11.55	-0.7%
448	8.28	8.20	-1.0%
449	6.59	6.65	0.9%
450	0.50	0.50	0.7%
451	2.19	2.19	0.1%
452	1.50	1.50	0.3%
453	21.15	21.23	0.4%
454	4.41	4.40	-0.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
455	22.06	22.13	0.3%
456	1.04	1.04	0.4%
457	4.72	4.66	-1.3%
458	1.62	1.62	-0.2%
459	5.19	5.29	1.9%
460	8.79	8.88	1.0%
461	11.87	11.93	0.5%
462	5.81	5.77	-0.7%
463	2.21	2.26	2.1%
464	3.26	3.32	1.7%
465	0.90	0.88	-2.5%
466	3.35	3.34	-0.4%
467	13.94	13.81	-0.9%
468	8.70	8.78	0.9%
469	5.16	5.24	1.6%
470	3.16	3.19	1.0%
471	2.54	2.55	0.7%
472	1.90	1.95	2.4%
473	3.13	3.16	0.9%
474	11.48	11.40	-0.7%
475	9.72	9.65	-0.6%
476	1.03	1.02	-1.0%
477	1.35	1.36	0.5%
478	2.98	3.01	1.3%
479	4.96	5.00	0.8%
480	11.67	11.71	0.4%
481	13.96	14.06	0.7%
482	0.36	0.35	-2.4%
483	1.18	1.18	-0.3%
484	2.60	2.59	-0.3%
485	5.30	5.38	1.4%
486	5.63	5.65	0.3%
487	1.02	1.04	1.8%
488	1.34	1.35	0.1%
489	12.08	11.97	-0.9%
490	0.49	0.46	-4.3%
491	2.00	1.99	-0.4%
492	4.13	4.10	-0.8%
493	0.61	0.63	3.1%
494	1.30	1.30	-0.1%
495	1.59	1.59	0.3%
496	1.92	1.95	1.9%
497	5.04	4.99	-0.9%
498	2.72	2.72	-0.1%
499	2.32	2.34	0.8%
500	2.33	2.35	0.8%
501	2.69	2.70	0.4%
502	100.90	105.09	4.2%
503	3.69	3.73	1.1%
504	4.98	4.96	-0.4%
505	2.15	2.13	-1.0%
506	1.53	1.53	0.1%
507	3.15	3.13	-0.8%
508	1.52	1.50	-1.4%
509	4.72	4.67	-1.1%
510	14.86	14.93	0.5%
511	18.81	18.91	0.5%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
512	19.64	19.83	1.0%
513	9.59	9.59	0.0%
514	3.23	3.24	0.4%
515	4.22	4.32	2.5%
516	1.62	1.65	1.7%
517	1.85	1.87	0.9%
518	5.90	5.88	-0.5%
519	5.56	5.51	-1.0%
520	8.12	8.08	-0.5%
521	1.97	1.96	-0.3%
522	2.38	2.37	-0.4%
523	2.68	2.70	0.8%
524	4.07	4.09	0.4%
525	9.05	8.11	-10.3%
526	2.61	2.64	1.2%
527	12.89	12.82	-0.6%
528	1.99	1.70	-14.3%
529	0.70	0.68	-1.9%
530	6.41	6.54	2.0%
531	2.23	2.22	-0.5%
532	0.43	0.43	0.1%
533	4.29	4.45	3.7%
534	5.98	6.07	1.5%
535	4.73	4.66	-1.6%
536	4.91	4.86	-1.0%
537	4.40	4.35	-1.1%
538	0.49	0.49	-0.1%
539	1.26	1.26	-0.2%
540	2.00	2.02	0.7%
541	5.27	5.30	0.4%
542	2.50	2.50	-0.3%
543	11.73	11.63	-0.9%
544	2.91	2.87	-1.2%
545	5.72	5.73	0.1%
546	6.34	6.32	-0.3%
547	11.43	11.28	-1.3%
548	12.07	11.92	-1.3%
549	7.91	7.94	0.3%
550	13.30	13.25	-0.3%
551	27.60	27.57	-0.1%
552	28.01	27.99	-0.1%
553	10.54	10.43	-1.0%
554	1.35	1.35	0.1%
555	4.86	4.85	-0.2%
556	54.41	54.53	0.2%
557	49.60	49.73	0.3%
558	7.67	7.66	-0.2%
559	4.51	4.47	-0.9%
560	3.06	3.04	-0.6%
561	1.14	1.14	-0.1%
562	2.30	2.28	-0.6%
563	3.10	3.16	1.8%
564	1.46	1.45	-0.3%
565	4.70	4.70	0.1%
566	8.03	8.08	0.6%
567	9.13	9.21	0.9%
568	11.48	11.56	0.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
569	1.87	1.87	-0.4%
570	13.52	13.59	0.5%
571	1.64	1.66	0.9%
572	4.19	4.16	-0.8%
573	5.83	6.04	3.6%
574	2.73	2.73	0.1%
575	2.99	2.98	-0.3%
576	1.23	1.24	1.3%
577	3.25	3.27	0.6%
578	1.32	1.32	-0.5%
579	14.16	14.29	1.0%
580	1.10	1.12	1.6%
581	69.38	70.20	1.2%
582	3.06	3.10	1.5%
583	2.14	2.16	0.8%
584	4.15	4.18	0.7%
585	12.88	12.99	0.9%
586	12.08	12.22	1.1%
587	1.80	1.81	0.4%
588	0.88	0.90	2.7%
589	4.25	4.33	2.0%
590	5.38	5.44	1.1%
591	7.34	7.37	0.5%
592	1.65	1.67	1.5%
593	1.86	1.86	-0.1%
594	2.10	2.09	-0.1%
595	4.91	4.97	1.2%
596	1.68	1.68	-0.1%
597	1.65	1.43	-13.6%
598	3.10	2.71	-12.4%
599	6.91	6.99	1.2%
600	1.86	1.87	0.3%
601	1.57	1.57	0.0%
602	3.85	3.87	0.5%
603	7.68	7.72	0.6%
604	20.86	20.08	-3.7%
605	2.78	2.81	1.0%
606	1.29	1.13	-12.4%
607	13.07	12.53	-4.1%
608	4.58	4.00	-12.5%
609	12.02	11.46	-4.7%
610	6.54	6.65	1.7%
611	0.71	0.71	0.2%
612	23.12	22.50	-2.7%
613	0.84	0.84	0.2%
614	4.80	4.86	1.3%
615	5.30	5.36	1.1%
616	1.05	1.02	-2.5%
617	4.08	4.01	-1.9%
618	3.36	2.99	-11.1%
619	10.83	10.74	-0.8%
620	13.06	12.86	-1.5%
621	1.39	1.37	-1.7%
622	3.51	3.50	-0.4%
623	6.08	6.04	-0.6%
624	6.39	6.30	-1.3%
625	6.77	6.75	-0.4%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
626	19.67	19.45	-1.1%
627	5.08	5.17	1.9%
628	2.57	2.61	1.3%
629	2.94	2.90	-1.4%
630	1.28	1.28	-0.2%
631	4.69	4.66	-0.7%
632	2.65	2.70	1.7%
633	4.17	4.25	1.9%
634	5.91	5.93	0.4%
635	8.31	8.38	0.8%
636	3.96	3.99	0.7%
637	6.03	6.08	0.8%
638	4.19	4.26	1.7%
639	12.70	12.58	-0.9%
640	4.61	4.70	1.9%
641	2.84	2.84	-0.1%
642	7.23	7.30	1.0%
643	4.96	4.37	-11.9%
644	13.44	13.70	1.9%
645	4.74	4.79	1.0%
646	14.91	15.01	0.7%
647	6.78	6.88	1.5%
648	1.99	1.99	0.2%
649	8.06	8.10	0.5%
650	10.54	10.63	0.9%
651	3.04	3.07	0.9%
652	2.86	2.87	0.5%
653	3.92	3.99	1.8%
654	5.06	5.10	0.7%
655	2.98	3.01	1.2%
656	1.53	1.53	0.0%
657	2.54	2.57	0.9%
658	1.10	1.12	2.0%
659	3.83	3.85	0.5%
660	2.14	2.14	0.0%
661	1.22	1.19	-1.7%
662	7.26	7.40	2.0%
663	1.58	1.58	-0.3%
664	20.22	20.56	1.7%
665	11.65	12.03	3.3%
666	94.61	94.36	-0.3%
667	3.67	3.74	2.0%
668	1.79	1.79	0.3%
669	13.98	14.11	0.9%
670	13.16	13.24	0.6%
671	6.90	6.89	-0.2%
672	25.43	25.64	0.8%
673	3.10	3.13	0.9%
674	1.44	1.45	0.8%
675	5.18	5.16	-0.5%
676	3.08	3.09	0.6%
677	8.14	8.11	-0.4%
678	11.01	10.98	-0.3%
679	16.31	16.20	-0.7%
680	5.49	5.47	-0.3%
681	1.48	1.49	0.3%
682	4.21	4.24	0.8%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
683	43.33	43.01	-0.7%
684	2.97	2.96	-0.2%
685	0.74	0.74	-0.2%
686	0.65	0.65	0.2%
687	1.17	1.15	-2.0%
688	4.95	5.02	1.4%
689	2.80	2.76	-1.4%
690	3.18	3.17	-0.3%
691	3.87	3.84	-0.7%
692	0.78	0.78	-0.2%
693	2.00	2.03	1.5%
694	14.31	14.19	-0.8%
695	24.31	24.28	-0.1%
696	46.94	47.61	1.4%
697	4.36	4.42	1.5%
698	4.57	4.64	1.4%
699	1.14	1.12	-1.4%
700	6.56	6.70	2.0%
701	7.91	8.06	1.9%
702	6.35	6.48	2.0%
703	4.18	4.27	2.3%
704	1.10	1.11	0.2%
705	1.17	1.21	3.1%
706	1.66	1.66	0.4%
707	7.83	7.85	0.2%
708	72.19	72.62	0.6%
709	73.77	74.17	0.5%
710	74.39	74.79	0.5%
711	2.23	2.22	-0.4%
712	3.01	3.06	1.4%
713	3.39	3.40	0.5%
714	5.05	5.05	0.1%
715	122.10	122.83	0.6%
716	2.90	2.96	2.1%
717	62.41	62.72	0.5%
718	6.78	6.88	1.4%
719	6.67	6.73	0.9%
720	2.81	2.85	1.6%
721	3.37	3.41	1.2%
722	2.98	2.99	0.5%
723	4.14	4.21	1.7%
724	4.17	4.26	2.2%
725	11.08	11.03	-0.5%
726	3.93	3.92	-0.3%
727	206.83	208.25	0.7%
728	1.51	1.54	1.8%
729	1.38	1.38	-0.4%
730	1.16	1.17	0.7%
731	2.73	2.73	-0.1%
732	9.48	9.46	-0.3%
733	2.18	2.17	-0.6%
734	1.33	1.33	-0.1%
735	1.93	1.93	-0.2%
736	12.93	12.92	-0.1%
737	5.47	5.44	-0.5%
738	5.98	5.97	-0.2%
739	3.16	3.14	-0.7%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
740	9.67	9.66	-0.1%
741	1.52	1.51	-0.2%
742	3.60	3.58	-0.5%
743	2.99	2.96	-1.1%
744	4.31	4.26	-1.0%
745	1.40	1.43	2.1%
746	2.64	2.69	1.9%
747	3.54	3.62	2.1%
748	5.29	5.27	-0.5%
749	2.59	2.59	0.0%
750	2.19	2.19	0.0%
751	5.78	5.76	-0.3%
752	320.06	320.43	0.1%
753	2.82	2.86	1.3%
754	6.70	6.80	1.6%
755	10.19	10.33	1.3%
756	0.66	0.66	0.2%
757	0.21	0.19	-10.2%
758	15.25	15.92	4.4%
759	5.26	5.23	-0.7%
760	3.32	3.28	-1.2%
761	3.05	3.09	1.2%
762	5.67	5.63	-0.7%
763	138.85	139.20	0.3%
764	2.24	2.25	0.7%
765	71.86	72.34	0.7%
766	11.87	11.82	-0.5%
767	5.61	5.57	-0.8%
768	1.78	1.75	-1.6%
769	2.94	2.92	-0.4%
770	1.69	1.69	0.2%
771	1.02	1.02	0.1%
772	3.45	3.47	0.7%
773	4.48	4.37	-2.4%
774	1.66	1.45	-12.6%
775	3.62	3.63	0.4%
776	2.84	2.86	0.5%
777	2.79	2.83	1.2%
778	5.57	5.55	-0.4%
779	0.14	0.12	-16.8%
780	4.91	4.91	0.1%
781	1.02	1.04	2.1%
782	0.73	0.73	0.4%
783	1.11	1.11	0.0%
784	0.85	0.73	-13.7%
785	0.30	0.30	0.4%
786	2.23	2.06	-7.5%
787	8.47	8.06	-4.8%
788	0.48	0.46	-5.0%
789	0.93	0.95	2.0%
790	1.88	1.89	0.4%
791	1.02	1.05	2.9%
792	1.73	1.75	0.9%
793	2.84	2.90	2.0%
794	1.49	1.50	1.0%
795	2.27	2.25	-0.9%
796	2.01	2.03	0.9%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
797	13.32	13.48	1.1%
798	2.94	2.91	-1.1%
799	1.97	2.02	2.7%
800	3.30	3.35	1.4%
801	13.18	13.15	-0.2%
802	0.46	0.46	-1.2%
803	1.97	2.00	1.7%
804	51.04	55.38	8.5%
805	48.42	50.66	4.6%
806	27.09	31.91	17.8%
807	23.27	28.42	22.1%
808	3.68	3.72	1.1%
809	3.26	2.89	-11.3%
810	12.09	12.55	3.8%
811	9.39	9.45	0.6%
812	2.14	2.04	-4.5%
813	8.58	8.15	-4.9%
814	112.51	111.47	-0.9%
815	117.64	116.62	-0.9%
816	0.75	0.75	-0.1%
817	1.99	2.03	1.8%
818	1332.50	1339.40	0.5%
819	3.61	3.60	-0.2%
820	8.84	8.78	-0.7%
821	1330.30	1337.10	0.5%
822	326.22	326.65	0.1%
823	7.31	7.28	-0.4%
824	4.69	4.67	-0.6%
825	0.55	0.58	4.9%
826	3.23	2.85	-11.7%
827	4.80	4.90	2.0%
828	5.54	5.63	1.5%
829	12.06	11.96	-0.8%
830	5.51	5.54	0.4%
831	2.47	2.47	0.0%
832	3.54	3.57	0.8%
833	1.85	1.86	0.3%
834	2.56	2.57	0.5%
835	0.63	0.63	1.0%
836	13.24	13.13	-0.9%
837	4.39	4.51	2.7%
838	1.79	1.81	1.0%
839	7.69	7.61	-0.9%
840	1.78	1.81	1.7%
841	5.77	5.78	0.1%
842	0.94	0.94	-0.5%
843	11.30	11.23	-0.6%
844	13.94	13.98	0.3%
845	22.17	22.17	0.0%
846	2.89	2.93	1.2%
847	7.30	7.25	-0.7%
848	3.18	3.22	1.2%
849	4.10	4.17	1.8%
850	2.08	2.09	0.8%
851	13.13	13.16	0.2%
852	6.12	6.23	1.8%
853	8.55	8.65	1.1%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
854	7.76	7.85	1.2%
855	1.54	1.54	-0.3%
856	1.91	1.93	1.2%
857	0.21	0.21	1.1%
858	0.80	0.80	-0.2%
859	1.99	2.00	0.5%
860	3.38	3.42	1.2%
861	2.27	2.32	2.0%
862	3.76	3.79	0.9%
863	3.87	3.93	1.6%
864	17.11	17.12	0.0%
865	20.08	20.21	0.6%
866	21.79	21.90	0.5%
867	4.36	4.44	2.0%
868	3.26	3.32	1.6%
869	1.72	1.75	2.1%
870	12.75	12.99	1.9%
871	0.54	0.52	-4.4%
872	10.44	10.52	0.8%
873	4.59	4.67	1.7%
874	40.26	40.29	0.1%
875	41.06	41.10	0.1%
876	42.15	42.22	0.2%
877	7.04	7.12	1.2%
878	2.19	2.21	0.7%
879	59.98	60.40	0.7%
880	3.17	3.20	1.2%
881	1.20	1.19	-0.3%
882	16.86	16.87	0.1%
883	16.16	16.33	1.1%
884	79.26	78.92	-0.4%
885	54.02	53.88	-0.3%
886	3.94	3.99	1.3%
887	3.20	3.23	0.9%
888	4.18	4.26	2.0%
889	2.42	2.40	-0.9%
890	3.29	3.35	1.9%
891	5.66	5.68	0.4%
892	18.58	18.84	1.4%
893	4.60	4.61	0.1%
894	5.16	5.20	0.8%
895	3.46	3.52	1.8%
896	25.03	25.31	1.1%
897	5.09	5.12	0.6%
898	3.85	3.96	2.7%
899	0.75	0.75	-0.3%
900	3.42	3.44	0.7%
901	3.49	3.54	1.5%
902	4.33	4.33	0.0%
903	2.99	3.05	2.0%
904	53.13	53.01	-0.2%
905	2.28	2.29	0.7%
906	5.12	5.13	0.3%
907	24.88	24.61	-1.1%
908	13.56	13.50	-0.4%
909	19.77	19.65	-0.6%
910	4.33	4.34	0.3%

Subcatch ID	Existing Development Conditions (m^3/s)	Ultimate Development Conditions	
		Discharge (m^3/s)	Difference (%)
911	1.79	1.79	0.3%
912	35.65	35.70	0.1%
913	2.23	2.24	0.4%
914	1.28	1.26	-1.9%
915	3.30	3.33	0.9%
916	7.50	7.55	0.7%
917	23.15	22.66	-2.1%
918	13.06	13.31	2.0%
919	3.10	3.13	0.7%
920	5.98	6.00	0.3%
921	9.54	9.69	1.5%
922	13.67	13.78	0.8%
923	5.35	5.40	1.0%
924	4.79	4.88	2.0%
925	22.67	22.82	0.7%
926	3.46	3.47	0.3%
927	6.04	6.05	0.3%
928	1.99	2.02	1.1%
929	4.13	4.20	1.7%
930	1.74	1.75	0.4%
931	10.87	11.01	1.3%
932	4.92	5.01	1.9%
933	5.47	5.50	0.7%
934	4.39	4.50	2.6%
935	10.72	10.84	1.1%
Average Differences (All Subcatchments)			**0.7%**
Average Differences (Focus Locations)			**0.4%**

Climate Change Results for the 1% AEP Event

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
1	228.23	256.24	12.3%	283.54	24.2%
2	1.89	2.21	16.9%	2.51	32.8%
3	1.84	2.09	13.6%	2.5	35.9%
4	3.57	4.24	18.8%	4.88	36.7%
5	4.11	4.6	11.9%	5.48	33.3%
6	10.50	12.01	14.4%	13.52	28.8%
7	13.13	15.09	14.9%	17.03	29.7%
8	13.23	14.98	13.2%	16.82	27.1%
9	2.00	2.54	27.0%	2.91	45.5%
10	17.05	19.52	14.5%	23.18	36.0%
11	1.84	2.11	14.7%	2.49	35.3%
12	6.92	7.66	10.7%	8.8	27.2%
13	1.25	1.43	14.4%	1.64	31.2%
14	1.67	1.93	15.6%	2.19	31.1%
15	3.89	4.51	15.9%	5.14	32.1%
16	26.66	30.59	14.7%	34.54	29.6%
17	1.68	1.9	13.1%	2.29	36.3%
18	5.91	6.85	15.9%	7.85	32.8%
19	2.17	2.53	16.6%	2.9	33.6%
20	9.42	10.57	12.2%	12.79	35.8%
21	11.12	12.89	15.9%	14.64	31.7%
22	29.26	33.36	14.0%	37.11	26.8%
23	2.75	3.11	13.1%	3.69	34.2%
24	11.60	13.12	13.1%	14.67	26.5%
25	13.46	15.59	15.8%	17.54	30.3%
26	20.19	22.77	12.8%	25.21	24.9%
27	2.47	3.09	25.1%	3.58	44.9%
28	2.18	2.51	15.1%	2.84	30.3%
29	9.17	9.96	8.6%	11.36	23.9%
30	2.34	2.8	19.7%	3.23	38.0%
31	41.88	45.19	7.9%	50.8	21.3%
32	2.47	2.78	12.6%	3.32	34.4%
33	11.57	13.33	15.2%	14.09	21.8%
34	20.30	26.74	31.7%	35.99	77.3%
35	2.23	2.55	14.3%	3.01	35.0%
36	8.11	9.3	14.7%	10.78	32.9%
37	3.58	4.14	15.6%	4.76	33.0%
38	4.39	4.99	13.7%	5.57	26.9%
39	10.83	12.35	14.0%	13.84	27.8%
40	42.78	48.21	12.7%	51.26	19.8%
41	1.83	2.1	14.8%	2.55	39.3%
42	45.77	51.9	13.4%	59.98	31.0%
43	2.85	3.25	14.0%	3.64	27.7%
44	20.31	26.75	31.7%	36.01	77.3%
45	1.72	2.01	16.9%	2.34	36.0%
46	46.11	52.27	13.4%	60.2	30.6%
47	1.56	1.6	2.6%	1.88	20.5%
48	2.51	2.85	13.5%	3.28	30.7%
49	1.67	1.94	16.2%	2.24	34.1%
50	5.29	6.1	15.3%	6.58	24.4%
51	2.59	2.91	12.4%	3.46	33.6%
52	4.75	5.76	21.3%	6.64	39.8%
53	4.76	5.46	14.7%	6.16	29.4%
54	47.20	54.9	16.3%	61.06	29.4%
55	2.76	3.09	12.0%	3.69	33.7%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
56	8.26	9.58	16.0%	10.96	32.7%
57	11.42	13.22	15.8%	15.1	32.2%
58	20.17	24.64	22.2%	34.43	70.7%
59	4.23	4.58	8.3%	5.08	20.1%
60	23.21	27.43	18.2%	34.92	50.5%
61	5.75	6.52	13.4%	7.85	36.5%
62	8.96	10.13	13.1%	11.21	25.1%
63	2.72	2.79	2.6%	3.26	19.9%
64	16.01	18.36	14.7%	20.56	28.4%
65	1.29	1.54	19.4%	1.78	38.0%
66	48.25	55.62	15.3%	61.82	28.1%
67	1.55	1.8	16.1%	2.07	33.5%
68	2.03	2.39	17.7%	2.77	36.5%
69	19.39	22.36	15.3%	25.18	29.9%
70	48.43	55.74	15.1%	62.59	29.2%
71	2.18	2.5	14.7%	2.81	28.9%
72	62.77	71.66	14.2%	80.88	28.9%
73	3.00	3.57	19.0%	4.1	36.7%
74	18.08	20.38	12.7%	22.65	25.3%
75	2.07	2.46	18.8%	2.77	33.8%
76	7.24	7.91	9.3%	9.04	24.9%
77	9.43	11.25	19.3%	12.69	34.6%
78	25.86	28.97	12.0%	35.82	38.5%
79	2.77	3.15	13.7%	3.21	15.9%
80	63.25	72.17	14.1%	81.42	28.7%
81	2.30	2.61	13.5%	3.1	34.8%
82	32.29	36.06	11.7%	39.91	23.6%
83	1.23	1.29	4.9%	1.34	8.9%
84	4.56	5.31	16.4%	5.58	22.4%
85	1.97	2.28	15.7%	2.59	31.5%
86	3.72	4.36	17.2%	5.01	34.7%
87	1.97	2.35	19.3%	2.67	35.5%
88	64.07	73.05	14.0%	82.35	28.5%
89	1.63	1.92	17.8%	2.38	46.0%
90	62.24	71.16	14.3%	80.36	29.1%
91	2.01	2.38	18.4%	2.73	35.8%
92	6.54	7.3	11.6%	8.01	22.5%
93	4.73	5.39	14.0%	6.21	31.3%
94	62.30	71.22	14.3%	80.44	29.1%
95	2.48	2.94	18.5%	3.31	33.5%
96	2.78	3.1	11.5%	3.68	32.4%
97	2.74	3.1	13.1%	3.71	35.4%
98	23.63	24.4	3.3%	25.54	8.1%
99	2.56	2.98	16.4%	3.39	32.4%
100	64.12	73.48	14.6%	83.28	29.9%
101	2.43	2.82	16.0%	3.19	31.3%
102	9.58	10.96	14.4%	12.33	28.7%
103	5.83	6.2	6.3%	6.97	19.6%
104	6.88	7.46	8.4%	8.4	22.1%
105	2.04	2.42	18.6%	2.74	34.3%
106	0.00	0.01	0.0%	0.01	0.0%
107	2.93	3.06	4.4%	3.46	18.1%
108	10.79	11.53	6.9%	13.5	25.1%
109	2.16	2.46	13.9%	2.92	35.2%
110	0.00	0	0.0%	0	0.0%
111	2.60	2.94	13.1%	3.48	33.8%
112	64.18	73.57	14.6%	83.39	29.9%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
113	2.27	2.72	19.8%	3.12	37.4%
114	3.07	3.63	18.2%	4.11	33.9%
115	2.20	2.52	14.5%	3.09	40.5%
116	16.48	18.59	12.8%	21.54	30.7%
117	30.19	31.73	5.1%	32.56	7.9%
118	64.22	73.62	14.6%	83.44	29.9%
119	3.27	3.79	15.9%	4.32	32.1%
120	7.25	8.17	12.7%	9.27	27.9%
121	13.33	15.22	14.2%	17.08	28.1%
122	12.59	14.25	13.2%	15.93	26.5%
123	18.57	21.18	14.1%	23.79	28.1%
124	0.01	0.01	0.0%	0.01	0.0%
125	3.29	3.99	21.3%	4.52	37.4%
126	87.69	97.87	11.6%	108.38	23.6%
127	4.34	5.3	22.1%	6.14	41.5%
128	9.90	11.8	19.2%	12.42	25.5%
129	3.66	4.22	15.3%	4.94	35.0%
130	91.63	99.15	8.2%	108.5	18.4%
131	6.94	8.02	15.6%	9.11	31.3%
132	20.90	24.05	15.1%	28.7	37.3%
133	5.75	6.7	16.5%	7.62	32.5%
134	23.93	27.17	13.5%	30.71	28.3%
135	3.51	3.95	12.5%	4.72	34.5%
136	3.25	3.65	12.3%	4.2	29.2%
137	2.30	2.67	16.1%	3.04	32.2%
138	27.48	30.92	12.5%	34.24	24.6%
139	20.61	23.32	13.1%	26.07	26.5%
140	1.89	2.2	16.4%	2.51	32.8%
141	28.75	30.93	7.6%	35.04	21.9%
142	1.21	1.45	19.8%	1.62	33.9%
143	28.20	32.54	15.4%	36.81	30.5%
144	29.33	35.06	19.5%	37.92	29.3%
145	91.73	103.76	13.1%	110.5	20.5%
146	5.29	6.12	15.7%	6.71	26.8%
147	5.69	6.37	12.0%	7.06	24.1%
148	1.89	2.19	15.9%	2.49	31.7%
149	4.12	5	21.4%	5.74	39.3%
150	6.90	8	15.9%	9.06	31.3%
151	11.26	12.8	13.7%	14.39	27.8%
152	1.87	2.02	8.0%	2.3	23.0%
153	4.81	5.11	6.2%	5.45	13.3%
154	7.10	7.84	10.4%	8.44	18.9%
155	118.16	129.46	9.6%	141.54	19.8%
156	2.52	2.73	8.3%	3.07	21.8%
157	4.56	5.04	10.5%	5.57	22.1%
158	2.67	3.09	15.7%	3.53	32.2%
159	119.07	130.8	9.9%	141.84	19.1%
160	4.45	5.09	14.4%	5.74	29.0%
161	4.95	5.62	13.5%	6.43	29.9%
162	18.38	20.56	11.9%	22.94	24.8%
163	119.61	131.77	10.2%	142.12	18.8%
164	2.52	2.94	16.7%	3.35	32.9%
165	16.52	19.18	16.1%	21.46	29.9%
166	10.94	12.52	14.4%	14.13	29.2%
167	16.31	18.33	12.4%	20.43	25.3%
168	2.02	2.3	13.9%	2.81	39.1%
169	2.53	2.93	15.8%	3.3	30.4%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
170	4.41	4.84	9.8%	5.53	25.4%
171	18.62	21.44	15.1%	24.1	29.4%
172	2.89	3.26	12.8%	3.59	24.2%
173	3.89	4.43	13.9%	5.11	31.4%
174	127.28	143.48	12.7%	156.49	22.9%
175	7.39	8.23	11.4%	9.92	34.2%
176	2.01	2.35	16.9%	2.71	34.8%
177	2.88	3.24	12.5%	3.73	29.5%
178	4.99	5.98	19.8%	6.35	27.3%
179	6.86	7.9	15.2%	8.89	29.6%
180	2.05	2.5	22.0%	2.88	40.5%
181	128.85	146.99	14.1%	160.72	24.7%
182	2.37	2.87	21.1%	3.25	37.1%
183	6.02	6.38	6.0%	7.36	22.3%
184	1.41	1.7	20.6%	1.91	35.5%
185	9.68	11.23	16.0%	12.83	32.5%
186	2.34	2.73	16.7%	3.13	33.8%
187	2.62	3.14	19.8%	3.61	37.8%
188	2.36	2.48	5.1%	2.83	19.9%
189	5.31	6.55	23.4%	7.54	42.0%
190	1.97	2.26	14.7%	2.78	41.1%
191	128.95	147.12	14.1%	160.97	24.8%
192	13.13	14.82	12.9%	16.72	27.3%
193	23.79	26.96	13.3%	30.18	26.9%
194	2.19	2.52	15.1%	2.79	27.4%
195	9.89	11.04	11.6%	12.26	24.0%
196	2.33	2.55	9.4%	2.9	24.5%
197	37.88	41.82	10.4%	46.99	24.0%
198	12.45	14.08	13.1%	15.78	26.7%
199	129.06	147.29	14.1%	161.26	24.9%
200	1.75	2.01	14.9%	2.33	33.1%
201	39.28	43.64	11.1%	48.52	23.5%
202	12.54	15.17	21.0%	17.36	38.4%
203	39.82	44.22	11.0%	49.19	23.5%
204	11.87	13.1	10.4%	14.79	24.6%
205	129.82	148.57	14.4%	164.36	26.6%
206	1.94	2.23	14.9%	2.53	30.4%
207	52.25	58.11	11.2%	68.95	32.0%
208	2.63	2.96	12.5%	3.38	28.5%
209	134.90	152.67	13.2%	168.88	25.2%
210	2.02	2.34	15.8%	2.65	31.2%
211	135.12	152.96	13.2%	169.23	25.2%
212	3.06	3.4	11.1%	3.82	24.8%
213	54.27	60.42	11.3%	66.78	23.1%
214	3.97	4.54	14.4%	5.06	27.5%
215	135.16	153.01	13.2%	169.29	25.3%
216	54.38	60.52	11.3%	67.87	24.8%
217	139.15	153.65	10.4%	170.07	22.2%
218	0.25	0.29	16.0%	0.4	60.0%
219	3.91	4.47	14.3%	4.98	27.4%
220	2.02	2.29	13.4%	2.72	34.7%
221	3.29	3.78	14.9%	4.24	28.9%
222	8.39	9.74	16.1%	11.01	31.2%
223	8.11	9.23	13.8%	10.46	29.0%
224	3.24	3.72	14.8%	4.22	30.2%
225	3.70	4.22	14.1%	4.85	31.1%
226	2.68	3.11	16.0%	3.55	32.5%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
227	6.92	7.93	14.6%	8.98	29.8%
228	1.80	2.09	16.1%	2.4	33.3%
229	9.28	10.67	15.0%	12.09	30.3%
230	3.97	4.63	16.6%	5.31	33.8%
231	19.03	21.68	13.9%	25.97	36.5%
232	2.03	2.36	16.3%	2.7	33.0%
233	33.41	37.7	12.8%	42.17	26.2%
234	0.65	0.71	9.2%	0.76	16.9%
235	187.71	208.65	11.2%	230.38	22.7%
236	1.30	1.46	12.3%	1.75	34.6%
237	33.98	38.25	12.6%	42.74	25.8%
238	4.19	5.11	22.0%	5.38	28.4%
239	0.65	0.71	9.2%	0.76	16.9%
240	2.81	3.07	9.3%	3.34	18.9%
241	22.54	26.29	16.6%	30.11	33.6%
242	12.81	13.76	7.4%	15.69	22.5%
243	23.70	26.79	13.0%	29.87	26.0%
244	2.81	3.29	17.1%	3.77	34.2%
245	188.38	209.21	11.1%	231.55	22.9%
246	2.44	2.67	9.4%	2.94	20.5%
247	4.55	4.97	9.2%	5.41	18.9%
248	2.34	2.75	17.5%	3.09	32.1%
249	8.81	9.62	9.2%	10.47	18.8%
250	35.10	39.44	12.4%	43.95	25.2%
251	188.46	209.25	11.0%	231.7	22.9%
252	5.21	5.7	9.4%	6.2	19.0%
253	15.00	18.31	22.1%	18.67	24.5%
254	3.19	3.45	8.2%	4.08	27.9%
255	217.18	238.98	10.0%	266.94	22.9%
256	11.54	12.69	10.0%	13.9	20.5%
257	15.83	17.82	12.6%	19.63	24.0%
258	22.27	24.42	9.7%	27.08	21.6%
259	217.80	244.53	12.3%	267.1	22.6%
260	4.79	5.53	15.4%	6.08	26.9%
261	5.46	6.32	15.8%	7.23	32.4%
262	10.27	11.67	13.6%	13.13	27.8%
263	226.32	254.14	12.3%	283.04	25.1%
264	1.91	2.37	24.1%	2.77	45.0%
265	3.62	4.11	13.5%	4.66	28.7%
266	2.24	2.61	16.5%	2.97	32.6%
267	5.61	6.38	13.7%	7.54	34.4%
268	1.81	2.08	14.9%	2.4	32.6%
269	3.39	4.04	19.2%	4.66	37.5%
270	2.02	2.33	15.3%	2.74	35.6%
271	8.03	9.03	12.5%	10.72	33.5%
272	4.11	4.72	14.8%	5.37	30.7%
273	5.29	6.04	14.2%	6.76	27.8%
274	2.08	2.4	15.4%	2.75	32.2%
275	7.99	8.96	12.1%	10.41	30.3%
276	0.91	1.04	14.3%	1.16	27.5%
277	10.04	11.38	13.3%	13.23	31.8%
278	5.98	6.85	14.5%	8.07	34.9%
279	10.92	12.11	10.9%	13.92	27.5%
280	2.77	3.19	15.2%	3.64	31.4%
281	10.10	11.64	15.2%	13.17	30.4%
282	3.26	3.86	18.4%	4.44	36.2%
283	8.08	9.2	13.9%	10.51	30.1%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
284	4.52	5.22	15.5%	5.87	29.9%
285	1.81	2.11	16.6%	2.39	32.0%
286	9.82	11.29	15.0%	13.68	39.3%
287	9.94	11.38	14.5%	12.76	28.4%
288	26.62	30.54	14.7%	34.52	29.7%
289	3.41	3.99	17.0%	4.53	32.8%
290	2.25	2.62	16.4%	2.98	32.4%
291	3.34	3.78	13.2%	4.38	31.1%
292	29.26	33.36	14.0%	37.11	26.8%
293	10.81	12.65	17.0%	14.39	33.1%
294	19.54	22.14	13.3%	24.48	25.3%
295	20.30	26.74	31.7%	36.01	77.4%
296	25.70	26.27	2.2%	27.21	5.9%
297	27.39	28.31	3.4%	29.33	7.1%
298	15.30	17.4	13.7%	19.82	29.5%
299	1.23	1.29	4.9%	1.34	8.9%
300	3.43	4.04	17.8%	4.58	33.5%
301	6.91	7.39	6.9%	8.46	22.4%
302	16.04	19.32	20.4%	22.1	37.8%
303	6.03	6.98	15.8%	7.16	18.7%
304	3.94	4.51	14.5%	5.08	28.9%
305	12.35	13.99	13.3%	15.69	27.0%
306	8.74	9.67	10.6%	11.99	37.2%
307	0.09	0.1	11.1%	0.13	44.4%
308	23.56	26.5	12.5%	29.61	25.7%
309	12.69	13.52	6.5%	15.43	21.6%
310	217.72	244.45	12.3%	267.08	22.7%
311	21.50	23.73	10.4%	26.23	22.0%
312	4.60	5.15	12.0%	5.86	27.4%
313	3.96	4.59	15.9%	5.26	32.8%
314	18.88	20.86	10.5%	25.79	36.6%
315	7.35	8.39	14.1%	9.43	28.3%
316	5.09	6	17.9%	6.76	32.8%
317	23.54	26.62	13.1%	29.81	26.6%
318	13.05	15.77	20.8%	16.66	27.7%
319	4.76	5.3	11.3%	5.63	18.3%
320	4.31	4.55	5.6%	4.79	11.1%
321	4.27	4.51	5.6%	4.75	11.2%
322	4.22	4.46	5.7%	4.7	11.4%
323	3.66	3.82	4.4%	3.98	8.7%
324	3.64	3.8	4.4%	3.96	8.8%
325	20.58	23.32	13.3%	25.73	25.0%
326	17.06	19.29	13.1%	23.34	36.8%
327	3.42	3.85	12.6%	4.58	33.9%
328	2.91	3.52	21.0%	4.08	40.2%
329	0.88	1.01	14.8%	1.22	38.6%
330	10.96	12.91	17.8%	14.46	31.9%
331	9.24	10.23	10.7%	11.29	22.2%
332	6.05	6.98	15.4%	7.89	30.4%
333	1.98	2.23	12.6%	2.66	34.3%
334	14.84	18.07	21.8%	19.08	28.6%
335	2.00	2.27	13.5%	2.78	39.0%
336	4.00	4.67	16.8%	5.38	34.5%
337	2.58	2.98	15.5%	3.38	31.0%
338	2.77	3.2	15.5%	3.58	29.2%
339	4.77	5.4	13.2%	6.02	26.2%
340	4.23	4.88	15.4%	5.91	39.7%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
341	2.02	2.38	17.8%	2.74	35.6%
342	21.12	26.98	27.7%	36.35	72.1%
343	15.75	17.84	13.3%	20.48	30.0%
344	5.33	6.22	16.7%	7.13	33.8%
345	1.52	1.75	15.1%	2.1	38.2%
346	1.34	1.52	13.4%	1.82	35.8%
347	1.94	2.35	21.1%	2.68	38.1%
348	11.55	13.22	14.5%	14.97	29.6%
349	11.99	14.59	21.7%	16.7	39.3%
350	3.32	3.83	15.4%	4.34	30.7%
351	52.69	58.57	11.2%	66.09	25.4%
352	5.00	5.55	11.0%	6.2	24.0%
353	5.99	6.77	13.0%	7.55	26.0%
354	1.68	1.87	11.3%	2.13	26.8%
355	34.35	38.65	12.5%	43.13	25.6%
356	34.82	39.14	12.4%	43.64	25.3%
357	1.81	2.13	17.7%	2.48	37.0%
358	14.58	16.35	12.1%	18.49	26.8%
359	13.23	14.37	8.6%	15.98	20.8%
360	14.96	18.17	21.5%	18.64	24.6%
361	9.33	10.56	13.2%	11.85	27.0%
362	2.58	2.94	14.0%	3.59	39.1%
363	1.75	2	14.3%	2.39	36.6%
364	1.76	2	13.6%	2.39	35.8%
365	2.09	2.61	24.9%	3.02	44.5%
366	2.03	2.27	11.8%	2.67	31.5%
367	5.91	6.37	7.8%	6.92	17.1%
368	1.85	2.13	15.1%	2.4	29.7%
369	4.64	5.33	14.9%	6.17	33.0%
370	2.88	3.37	17.0%	3.86	34.0%
371	2.06	2.35	14.1%	2.63	27.7%
372	1.89	2.14	13.2%	2.61	38.1%
373	4.11	4.73	15.1%	5.13	24.8%
374	1.39	1.64	18.0%	1.72	23.7%
375	3.89	4.44	14.1%	5.14	32.1%
376	2.93	3.4	16.0%	3.93	34.1%
377	18.47	21.08	14.1%	23.69	28.3%
378	117.99	129.28	9.6%	141.45	19.9%
379	0.99	1.2	21.2%	1.35	36.4%
380	7.57	8.62	13.9%	9.77	29.1%
381	1.38	1.61	16.7%	1.84	33.3%
382	2.01	2.32	15.4%	2.63	30.8%
383	0.46	0.53	15.2%	0.66	43.5%
384	22.07	25.11	13.8%	28.25	28.0%
385	52.25	58.11	11.2%	68.95	32.0%
386	3.32	3.83	15.4%	4.42	33.1%
387	1.85	2.15	16.2%	2.51	35.7%
388	7.96	8.92	12.1%	10.36	30.2%
389	64.17	73.56	14.6%	83.37	29.9%
390	0.46	0.56	21.7%	0.61	32.6%
391	2.72	3.14	15.4%	3.66	34.6%
392	0.97	1.14	17.5%	1.32	36.1%
393	0.49	0.58	18.4%	0.66	34.7%
394	1.84	2.14	16.3%	2.44	32.6%
395	2.86	3.33	16.4%	3.78	32.2%
396	1.62	1.83	13.0%	2.22	37.0%
397	22.49	26.21	16.5%	30.07	33.7%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
398	0.53	0.65	22.6%	0.74	39.6%
399	0.27	0.3	11.1%	0.33	22.2%
400	0.47	0.51	8.5%	0.54	14.9%
401	3.38	3.98	17.8%	4.59	35.8%
402	2.26	2.51	11.1%	2.98	31.9%
403	1.64	2	22.0%	2.26	37.8%
404	10.39	11.89	14.4%	13.43	29.3%
405	4.52	5.09	12.6%	6.03	33.4%
406	3.42	3.97	16.1%	4.53	32.5%
407	64.17	73.55	14.6%	83.36	29.9%
408	12.52	14.06	12.3%	16.61	32.7%
409	12.58	14.24	13.2%	15.92	26.6%
410	21.01	24.17	15.0%	28.77	36.9%
411	2.11	2.48	17.5%	2.87	36.0%
412	2.82	3.38	19.9%	3.9	38.3%
413	2.56	3.08	20.3%	3.54	38.3%
414	4.14	4.7	13.5%	5.63	36.0%
415	4.18	4.79	14.6%	5.41	29.4%
416	1.15	1.38	20.0%	1.57	36.5%
417	1.36	1.65	21.3%	1.86	36.8%
418	2.44	2.82	15.6%	3.34	36.9%
419	8.53	10.31	20.9%	11.93	39.9%
420	29.12	34.89	19.8%	37.64	29.3%
421	1.06	1.27	19.8%	1.43	34.9%
422	11.06	12.08	9.2%	13.23	19.6%
423	5.17	5.95	15.1%	6.71	29.8%
424	4.19	4.79	14.3%	5.4	28.9%
425	1.11	1.21	9.0%	1.28	15.3%
426	1.22	1.41	15.6%	1.66	36.1%
427	1.93	2.21	14.5%	2.7	39.9%
428	2.22	2.63	18.5%	2.97	33.8%
429	34.72	38.88	12.0%	43.13	24.2%
430	0.63	0.7	11.1%	0.77	22.2%
431	1.68	2.01	19.6%	2.28	35.7%
432	1.16	1.4	20.7%	1.57	35.3%
433	2.45	2.77	13.1%	3.08	25.7%
434	1.71	1.93	12.9%	2.36	38.0%
435	0.90	1.03	14.4%	1.15	27.8%
436	9.02	10.26	13.7%	11.52	27.7%
437	8.06	9.05	12.3%	10.07	24.9%
438	7.76	8.7	12.1%	9.64	24.2%
439	7.63	8.55	12.1%	9.45	23.9%
440	6.52	7.27	11.5%	7.99	22.5%
441	6.40	7.15	11.7%	8.3	29.7%
442	6.05	6.75	11.6%	7.88	30.2%
443	9.53	10.9	14.4%	12.26	28.6%
444	9.58	10.95	14.3%	12.33	28.7%
445	0.80	0.94	17.5%	1.1	37.5%
446	0.52	0.63	21.2%	0.72	38.5%
447	2.22	2.56	15.3%	2.95	32.9%
448	1.39	1.62	16.5%	1.85	33.1%
449	1.21	1.42	17.4%	1.65	36.4%
450	0.12	0.13	8.3%	0.14	16.7%
451	0.55	0.63	14.5%	0.7	27.3%
452	0.32	0.37	15.6%	0.41	28.1%
453	4.04	4.1	1.5%	4.72	16.8%
454	0.86	1.05	22.1%	1.21	40.7%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
455	3.68	4.28	16.3%	4.78	29.9%
456	0.16	0.18	12.5%	0.21	31.3%
457	0.88	1.1	25.0%	1.27	44.3%
458	0.36	0.4	11.1%	0.44	22.2%
459	1.11	1.28	15.3%	1.44	29.7%
460	1.75	2.12	21.1%	2.4	37.1%
461	2.39	2.78	16.3%	3.15	31.8%
462	1.03	1.19	15.5%	1.35	31.1%
463	0.43	0.54	25.6%	0.61	41.9%
464	0.60	0.7	16.7%	0.79	31.7%
465	0.21	0.23	9.5%	0.26	23.8%
466	0.59	0.71	20.3%	0.83	40.7%
467	2.38	2.82	18.5%	3.27	37.4%
468	1.72	2.08	20.9%	2.36	37.2%
469	1.04	1.27	22.1%	1.42	36.5%
470	0.62	0.77	24.2%	0.86	38.7%
471	0.54	0.62	14.8%	0.69	27.8%
472	0.41	0.47	14.6%	0.52	26.8%
473	0.66	0.76	15.2%	0.85	28.8%
474	2.20	2.49	13.2%	2.99	35.9%
475	1.88	2.3	22.3%	2.62	39.4%
476	0.22	0.25	13.6%	0.28	27.3%
477	0.28	0.33	17.9%	0.35	25.0%
478	0.59	0.73	23.7%	0.82	39.0%
479	1.00	1.16	16.0%	1.3	30.0%
480	2.29	2.66	16.2%	3.04	32.8%
481	2.56	2.97	16.0%	3.38	32.0%
482	0.06	0.07	16.7%	0.08	33.3%
483	0.20	0.24	20.0%	0.27	35.0%
484	0.41	0.47	14.6%	0.53	29.3%
485	1.07	1.3	21.5%	1.47	37.4%
486	1.17	1.36	16.2%	1.55	32.5%
487	0.22	0.25	13.6%	0.28	27.3%
488	0.29	0.33	13.8%	0.36	24.1%
489	2.17	2.49	14.7%	3.05	40.6%
490	0.10	0.12	20.0%	0.13	30.0%
491	0.34	0.41	20.6%	0.46	35.3%
492	0.69	0.79	14.5%	0.9	30.4%
493	0.14	0.15	7.1%	0.16	14.3%
494	0.24	0.27	12.5%	0.34	41.7%
495	0.34	0.39	14.7%	0.43	26.5%
496	0.42	0.47	11.9%	0.52	23.8%
497	0.85	0.99	16.5%	1.23	44.7%
498	0.44	0.52	18.2%	0.61	38.6%
499	0.42	0.49	16.7%	0.61	45.2%
500	0.51	0.57	11.8%	0.64	25.5%
501	0.53	0.66	24.5%	0.74	39.6%
502	18.57	21.18	14.1%	23.79	28.1%
503	0.70	0.88	25.7%	1.01	44.3%
504	0.97	1.1	13.4%	1.35	39.2%
505	0.38	0.44	15.8%	0.51	34.2%
506	0.33	0.37	12.1%	0.42	27.3%
507	0.49	0.57	16.3%	0.66	34.7%
508	0.26	0.3	15.4%	0.35	34.6%
509	0.76	0.88	15.8%	1.04	36.8%
510	2.76	3.07	11.2%	3.52	27.5%
511	3.33	3.87	16.2%	4.3	29.1%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
512	3.50	4.05	15.7%	4.45	27.1%
513	1.81	2.06	13.8%	2.31	27.6%
514	0.66	0.8	21.2%	0.88	33.3%
515	0.83	1.02	22.9%	1.16	39.8%
516	0.35	0.4	14.3%	0.44	25.7%
517	0.38	0.46	21.1%	0.5	31.6%
518	0.95	1.12	17.9%	1.32	38.9%
519	1.03	1.18	14.6%	1.45	40.8%
520	1.47	1.67	13.6%	1.94	32.0%
521	0.36	0.44	22.2%	0.51	41.7%
522	0.44	0.55	25.0%	0.63	43.2%
523	0.50	0.64	28.0%	0.71	42.0%
524	0.68	0.77	13.2%	0.87	27.9%
525	2.29	2.49	8.7%	2.71	18.3%
526	0.57	0.64	12.3%	0.72	26.3%
527	2.61	3.02	15.7%	3.46	32.6%
528	0.46	0.5	8.7%	0.55	19.6%
529	0.15	0.17	13.3%	0.2	33.3%
530	1.25	1.45	16.0%	1.66	32.8%
531	0.46	0.55	19.6%	0.6	30.4%
532	0.09	0.1	11.1%	0.11	22.2%
533	0.93	1.05	12.9%	1.17	25.8%
534	1.37	1.5	9.5%	1.63	19.0%
535	0.82	0.95	15.9%	1.12	36.6%
536	0.85	1.01	18.8%	1.18	38.8%
537	0.77	0.9	16.9%	1.06	37.7%
538	0.12	0.13	8.3%	0.14	16.7%
539	0.29	0.33	13.8%	0.36	24.1%
540	0.44	0.5	13.6%	0.55	25.0%
541	0.93	1.11	19.4%	1.28	37.6%
542	0.47	0.56	19.1%	0.63	34.0%
543	1.95	2.28	16.9%	2.6	33.3%
544	0.50	0.6	20.0%	0.68	36.0%
545	1.00	1.17	17.0%	1.37	37.0%
546	1.12	1.3	16.1%	1.51	34.8%
547	1.98	2.32	17.2%	2.7	36.4%
548	2.08	2.44	17.3%	2.83	36.1%
549	1.40	1.61	15.0%	1.9	35.7%
550	2.26	2.71	19.9%	3.11	37.6%
551	5.16	6.42	24.4%	7.39	43.2%
552	5.28	6.54	23.9%	7.52	42.4%
553	1.83	2.14	16.9%	2.52	37.7%
554	0.24	0.28	16.7%	0.31	29.2%
555	0.78	0.92	17.9%	1.08	38.5%
556	9.87	10.97	11.1%	12.76	29.3%
557	9.11	10.11	11.0%	11.56	26.9%
558	1.19	1.38	16.0%	1.63	37.0%
559	0.78	0.91	16.7%	1.09	39.7%
560	0.55	0.67	21.8%	0.77	40.0%
561	0.28	0.31	10.7%	0.34	21.4%
562	0.46	0.57	23.9%	0.65	41.3%
563	0.80	0.87	8.7%	0.95	18.8%
564	0.36	0.39	8.3%	0.45	25.0%
565	0.90	1.05	16.7%	1.12	24.4%
566	1.34	1.53	14.2%	1.78	32.8%
567	1.49	1.74	16.8%	2.01	34.9%
568	1.86	2.2	18.3%	2.53	36.0%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
569	0.30	0.37	23.3%	0.43	43.3%
570	2.26	2.63	16.4%	3	32.7%
571	0.30	0.39	30.0%	0.43	43.3%
572	0.87	0.99	13.8%	1.11	27.6%
573	1.36	1.56	14.7%	1.73	27.2%
574	0.61	0.73	19.7%	0.81	32.8%
575	0.52	0.62	19.2%	0.7	34.6%
576	0.23	0.27	17.4%	0.3	30.4%
577	0.53	0.62	17.0%	0.7	32.1%
578	0.24	0.29	20.8%	0.33	37.5%
579	3.03	3.44	13.5%	3.83	26.4%
580	0.19	0.22	15.8%	0.25	31.6%
581	11.80	13.36	13.2%	14.99	27.0%
582	0.61	0.75	23.0%	0.83	36.1%
583	0.47	0.53	12.8%	0.58	23.4%
584	0.83	1.02	22.9%	1.14	37.3%
585	2.06	2.38	15.5%	2.63	27.7%
586	1.98	2.29	15.7%	2.61	31.8%
587	0.40	0.44	10.0%	0.49	22.5%
588	0.19	0.21	10.5%	0.23	21.1%
589	0.85	1.04	22.4%	1.17	37.6%
590	1.01	1.23	21.8%	1.39	37.6%
591	1.47	1.64	11.6%	1.94	32.0%
592	0.34	0.41	20.6%	0.45	32.4%
593	0.34	0.38	11.8%	0.47	38.2%
594	0.37	0.43	16.2%	0.48	29.7%
595	0.97	1.2	23.7%	1.34	38.1%
596	0.37	0.42	13.5%	0.46	24.3%
597	0.34	0.37	8.8%	0.42	23.5%
598	0.64	0.7	9.4%	0.76	18.8%
599	1.36	1.69	24.3%	1.89	39.0%
600	0.38	0.46	21.1%	0.51	34.2%
601	0.28	0.32	14.3%	0.4	42.9%
602	0.69	0.81	17.4%	0.87	26.1%
603	1.37	1.65	20.4%	1.82	32.8%
604	3.45	3.92	13.6%	4.4	27.5%
605	0.50	0.59	18.0%	0.61	22.0%
606	0.27	0.29	7.4%	0.32	18.5%
607	2.47	2.75	11.3%	3.02	22.3%
608	0.96	1.04	8.3%	1.12	16.7%
609	2.27	2.53	11.5%	2.63	15.9%
610	1.21	1.37	13.2%	1.53	26.4%
611	0.13	0.15	15.4%	0.16	23.1%
612	3.75	4.28	14.1%	4.8	28.0%
613	0.16	0.18	12.5%	0.19	18.8%
614	0.88	1	13.6%	1.13	28.4%
615	0.90	1.07	18.9%	1.21	34.4%
616	0.20	0.22	10.0%	0.24	20.0%
617	0.59	0.7	18.6%	0.8	35.6%
618	0.73	0.8	9.6%	0.85	16.4%
619	1.49	1.74	16.8%	2.03	36.2%
620	1.82	2.15	18.1%	2.47	35.7%
621	0.26	0.28	7.7%	0.32	23.1%
622	0.47	0.54	14.9%	0.63	34.0%
623	0.80	0.93	16.3%	1.06	32.5%
624	0.82	0.98	19.5%	1.1	34.1%
625	0.89	1.03	15.7%	1.16	30.3%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
626	2.58	2.99	15.9%	3.41	32.2%
627	0.95	1.08	13.7%	1.19	25.3%
628	0.49	0.55	12.2%	0.57	16.3%
629	0.40	0.47	17.5%	0.55	37.5%
630	0.19	0.22	15.8%	0.25	31.6%
631	0.62	0.71	14.5%	0.8	29.0%
632	0.46	0.56	21.7%	0.61	32.6%
633	0.71	0.87	22.5%	0.97	36.6%
634	1.02	1.23	20.6%	1.38	35.3%
635	1.40	1.71	22.1%	1.93	37.9%
636	0.68	0.83	22.1%	0.92	35.3%
637	1.02	1.24	21.6%	1.41	38.2%
638	0.71	0.87	22.5%	0.98	38.0%
639	2.01	2.29	13.9%	2.79	38.8%
640	0.79	0.96	21.5%	1.08	36.7%
641	0.53	0.6	13.2%	0.66	24.5%
642	1.39	1.53	10.1%	1.6	15.1%
643	1.04	1.13	8.7%	1.21	16.3%
644	2.75	3	9.1%	3.31	20.4%
645	0.80	0.98	22.5%	1.11	38.8%
646	2.28	2.65	16.2%	3.02	32.5%
647	1.16	1.41	21.6%	1.59	37.1%
648	0.38	0.42	10.5%	0.46	21.1%
649	1.41	1.59	12.8%	1.88	33.3%
650	2.10	2.54	21.0%	2.87	36.7%
651	0.60	0.74	23.3%	0.83	38.3%
652	0.63	0.7	11.1%	0.78	23.8%
653	0.79	0.96	21.5%	1.08	36.7%
654	1.02	1.23	20.6%	1.38	35.3%
655	0.59	0.73	23.7%	0.82	39.0%
656	0.33	0.38	15.2%	0.42	27.3%
657	0.56	0.63	12.5%	0.69	23.2%
658	0.23	0.27	17.4%	0.3	30.4%
659	0.76	0.93	22.4%	1.04	36.8%
660	0.47	0.53	12.8%	0.58	23.4%
661	0.27	0.3	11.1%	0.33	22.2%
662	1.49	1.78	19.5%	2	34.2%
663	0.35	0.39	11.4%	0.43	22.9%
664	4.06	4.68	15.3%	5.31	30.8%
665	2.42	2.73	12.8%	3.25	34.3%
666	16.84	19.02	12.9%	23.05	36.9%
667	0.73	0.9	23.3%	1.01	38.4%
668	0.39	0.44	12.8%	0.48	23.1%
669	2.65	3.26	23.0%	3.72	40.4%
670	2.56	3	17.2%	3.46	35.2%
671	1.48	1.67	12.8%	2.04	37.8%
672	4.30	5.24	21.9%	6.08	41.4%
673	0.61	0.76	24.6%	0.85	39.3%
674	0.31	0.35	12.9%	0.39	25.8%
675	1.00	1.26	26.0%	1.44	44.0%
676	0.60	0.75	25.0%	0.85	41.7%
677	1.38	1.62	17.4%	1.95	41.3%
678	1.83	2.15	17.5%	2.47	35.0%
679	2.78	3.2	15.1%	3.75	34.9%
680	1.16	1.23	6.0%	1.39	19.8%
681	0.31	0.37	19.4%	0.4	29.0%
682	0.83	1.03	24.1%	1.16	39.8%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
683	8.06	9.34	15.9%	10	24.1%
684	0.51	0.6	17.6%	0.69	35.3%
685	0.15	0.18	20.0%	0.2	33.3%
686	0.14	0.16	14.3%	0.17	21.4%
687	0.26	0.29	11.5%	0.32	23.1%
688	1.09	1.24	13.8%	1.39	27.5%
689	0.48	0.57	18.8%	0.67	39.6%
690	0.58	0.69	19.0%	0.8	37.9%
691	0.63	0.74	17.5%	0.85	34.9%
692	0.17	0.19	11.8%	0.21	23.5%
693	0.39	0.49	25.6%	0.55	41.0%
694	2.53	2.81	11.1%	3.24	28.1%
695	4.15	4.86	17.1%	5.35	28.9%
696	8.59	9.14	6.4%	10.46	21.8%
697	0.89	1.07	20.2%	1.2	34.8%
698	0.94	1.13	20.2%	1.26	34.0%
699	0.23	0.28	21.7%	0.3	30.4%
700	1.34	1.51	12.7%	1.83	36.6%
701	1.62	1.94	19.8%	2.19	35.2%
702	1.40	1.67	19.3%	1.88	34.3%
703	0.84	1.02	21.4%	1.15	36.9%
704	0.22	0.25	13.6%	0.28	27.3%
705	0.20	0.25	25.0%	0.27	35.0%
706	0.32	0.39	21.9%	0.45	40.6%
707	1.42	1.65	16.2%	1.86	31.0%
708	12.46	14.39	15.5%	16.34	31.1%
709	12.70	14.51	14.3%	16.47	29.7%
710	12.80	14.56	13.8%	16.52	29.1%
711	0.41	0.47	14.6%	0.52	26.8%
712	0.53	0.64	20.8%	0.7	32.1%
713	0.63	0.71	12.7%	0.79	25.4%
714	0.91	1.04	14.3%	1.16	27.5%
715	22.59	25.39	12.4%	28.93	28.1%
716	0.57	0.7	22.8%	0.8	40.4%
717	10.99	12.7	15.6%	14.5	31.9%
718	1.38	1.66	20.3%	1.88	36.2%
719	1.09	1.27	16.5%	1.47	34.9%
720	0.47	0.58	23.4%	0.67	42.6%
721	0.63	0.71	12.7%	0.79	25.4%
722	0.55	0.62	12.7%	0.69	25.5%
723	0.70	0.85	21.4%	0.95	35.7%
724	0.66	0.81	22.7%	0.93	40.9%
725	1.83	2.25	23.0%	2.58	41.0%
726	0.63	0.8	27.0%	0.91	44.4%
727	37.38	41.36	10.6%	46.48	24.3%
728	0.28	0.31	10.7%	0.35	25.0%
729	0.19	0.23	21.1%	0.27	42.1%
730	0.20	0.24	20.0%	0.27	35.0%
731	0.49	0.58	18.4%	0.63	28.6%
732	1.79	2.16	20.7%	2.48	38.5%
733	0.36	0.41	13.9%	0.46	27.8%
734	0.24	0.28	16.7%	0.31	29.2%
735	0.34	0.39	14.7%	0.44	29.4%
736	1.75	2	14.3%	2.33	33.1%
737	0.75	0.85	13.3%	1.02	36.0%
738	0.82	0.96	17.1%	1.13	37.8%
739	0.43	0.52	20.9%	0.6	39.5%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
740	1.29	1.48	14.7%	1.74	34.9%
741	0.24	0.3	25.0%	0.33	37.5%
742	0.51	0.61	19.6%	0.7	37.3%
743	0.41	0.5	22.0%	0.58	41.5%
744	0.67	0.86	28.4%	0.97	44.8%
745	0.25	0.29	16.0%	0.32	28.0%
746	0.47	0.54	14.9%	0.61	29.8%
747	0.57	0.72	26.3%	0.82	43.9%
748	0.73	0.87	19.2%	1.02	39.7%
749	0.44	0.5	13.6%	0.56	27.3%
750	0.32	0.38	18.8%	0.44	37.5%
751	0.77	0.89	15.6%	1	29.9%
752	54.27	60.41	11.3%	66.75	23.0%
753	0.60	0.66	10.0%	0.69	15.0%
754	1.41	1.56	10.6%	1.7	20.6%
755	2.06	2.23	8.3%	2.51	21.8%
756	0.12	0.13	8.3%	0.15	25.0%
757	0.04	0.05	25.0%	0.05	25.0%
758	2.76	3.11	12.7%	3.45	25.0%
759	0.91	1.08	18.7%	1.24	36.3%
760	0.59	0.76	28.8%	0.84	42.4%
761	0.59	0.66	11.9%	0.81	37.3%
762	1.08	1.23	13.9%	1.5	38.9%
763	23.37	26.66	14.1%	29.62	26.7%
764	0.48	0.55	14.6%	0.61	27.1%
765	12.71	13.57	6.8%	15.49	21.9%
766	1.99	2.28	14.6%	2.59	30.2%
767	0.90	1.05	16.7%	1.2	33.3%
768	0.31	0.37	19.4%	0.4	29.0%
769	0.40	0.49	22.5%	0.56	40.0%
770	0.37	0.42	13.5%	0.46	24.3%
771	0.21	0.25	19.0%	0.26	23.8%
772	0.71	0.85	19.7%	0.93	31.0%
773	0.95	1.06	11.6%	1.19	25.3%
774	0.41	0.44	7.3%	0.49	19.5%
775	0.76	0.88	15.8%	0.95	25.0%
776	0.66	0.72	9.1%	0.78	18.2%
777	0.55	0.68	23.6%	0.77	40.0%
778	1.07	1.22	14.0%	1.48	38.3%
779	0.03	0.03	0.0%	0.04	33.3%
780	0.80	0.97	21.3%	1.12	40.0%
781	0.22	0.25	13.6%	0.27	22.7%
782	0.15	0.18	20.0%	0.2	33.3%
783	0.24	0.26	8.3%	0.29	20.8%
784	0.20	0.22	10.0%	0.25	25.0%
785	0.06	0.07	16.7%	0.08	33.3%
786	0.48	0.53	10.4%	0.6	25.0%
787	1.45	1.68	15.9%	1.91	31.7%
788	0.10	0.11	10.0%	0.14	40.0%
789	0.20	0.23	15.0%	0.25	25.0%
790	0.41	0.46	12.2%	0.52	26.8%
791	0.24	0.28	16.7%	0.31	29.2%
792	0.41	0.47	14.6%	0.52	26.8%
793	0.56	0.69	23.2%	0.79	41.1%
794	0.29	0.36	24.1%	0.41	41.4%
795	0.42	0.48	14.3%	0.6	42.9%
796	0.35	0.42	20.0%	0.47	34.3%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
797	2.26	2.8	23.9%	3.23	42.9%
798	0.48	0.58	20.8%	0.67	39.6%
799	0.39	0.49	25.6%	0.56	43.6%
800	0.72	0.87	20.8%	0.99	37.5%
801	1.98	2.34	18.2%	2.67	34.8%
802	0.11	0.12	9.1%	0.13	18.2%
803	0.46	0.53	15.2%	0.59	28.3%
804	10.25	11.57	12.9%	13.03	27.1%
805	9.62	11.06	15.0%	12.54	30.4%
806	5.37	6.1	13.6%	7.13	32.8%
807	4.88	5.83	19.5%	6.7	37.3%
808	0.83	0.99	19.3%	1.09	31.3%
809	0.90	0.98	8.9%	1.04	15.6%
810	2.08	2.41	15.9%	2.73	31.3%
811	1.59	1.87	17.6%	2.2	38.4%
812	0.43	0.49	14.0%	0.61	41.9%
813	1.46	1.69	15.8%	1.93	32.2%
814	21.52	23.74	10.3%	26.26	22.0%
815	22.24	24.41	9.8%	27.07	21.7%
816	0.18	0.2	11.1%	0.22	22.2%
817	0.47	0.53	12.8%	0.6	27.7%
818	187.65	208.6	11.2%	230.27	22.7%
819	0.09	0.1	11.1%	0.13	44.4%
820	1.57	1.7	8.3%	1.96	24.8%
821	187.57	208.55	11.2%	230.07	22.7%
822	54.37	60.51	11.3%	67.82	24.7%
823	1.11	1.31	18.0%	1.49	34.2%
824	0.82	1.04	26.8%	1.2	46.3%
825	0.10	0.11	10.0%	0.12	20.0%
826	0.68	0.74	8.8%	0.79	16.2%
827	0.85	1.02	20.0%	1.12	31.8%
828	0.99	1.18	19.2%	1.23	24.2%
829	2.25	2.59	15.1%	2.86	27.1%
830	1.10	1.35	22.7%	1.51	37.3%
831	0.50	0.61	22.0%	0.67	34.0%
832	0.71	0.87	22.5%	0.96	35.2%
833	0.41	0.46	12.2%	0.5	22.0%
834	0.56	0.63	12.5%	0.7	25.0%
835	0.14	0.15	7.1%	0.18	28.6%
836	2.25	2.8	24.4%	3.22	43.1%
837	0.86	1.04	20.9%	1.18	37.2%
838	0.32	0.39	21.9%	0.43	34.4%
839	1.24	1.43	15.3%	1.65	33.1%
840	0.36	0.44	22.2%	0.48	33.3%
841	1.13	1.36	20.4%	1.49	31.9%
842	0.17	0.2	17.6%	0.21	23.5%
843	1.99	2.27	14.1%	2.72	36.7%
844	2.44	2.84	16.4%	3.25	33.2%
845	3.62	4.18	15.5%	4.72	30.4%
846	0.57	0.71	24.6%	0.8	40.4%
847	1.30	1.49	14.6%	1.79	37.7%
848	0.63	0.78	23.8%	0.88	39.7%
849	0.82	1.01	23.2%	1.13	37.8%
850	0.44	0.51	15.9%	0.57	29.5%
851	2.45	2.79	13.9%	3.3	34.7%
852	1.25	1.5	20.0%	1.7	36.0%
853	1.70	2.04	20.0%	2.31	35.9%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
854	1.52	1.86	22.4%	2.09	37.5%
855	0.36	0.4	11.1%	0.44	22.2%
856	0.40	0.47	17.5%	0.52	30.0%
857	0.04	0.05	25.0%	0.06	50.0%
858	0.17	0.2	17.6%	0.21	23.5%
859	0.44	0.49	11.4%	0.54	22.7%
860	0.67	0.83	23.9%	0.93	38.8%
861	0.49	0.56	14.3%	0.62	26.5%
862	0.75	0.92	22.7%	1.03	37.3%
863	0.77	0.95	23.4%	1.07	39.0%
864	3.26	3.67	12.6%	4.39	34.7%
865	3.68	4.37	18.8%	5.02	36.4%
866	4.20	4.83	15.0%	5.48	30.5%
867	0.87	1.07	23.0%	1.2	37.9%
868	0.64	0.8	25.0%	0.9	40.6%
869	0.37	0.42	13.5%	0.47	27.0%
870	2.73	3.12	14.3%	3.53	29.3%
871	0.12	0.13	8.3%	0.15	25.0%
872	1.97	2.25	14.2%	2.56	29.9%
873	0.91	1.12	23.1%	1.26	38.5%
874	6.82	7.76	13.8%	8.9	30.5%
875	6.93	7.87	13.6%	9.01	30.0%
876	7.10	8.02	13.0%	9.18	29.3%
877	1.33	1.53	15.0%	1.72	29.3%
878	0.48	0.54	12.5%	0.6	25.0%
879	11.62	12.27	5.6%	13.71	18.0%
880	0.69	0.79	14.5%	0.87	26.1%
881	0.26	0.29	11.5%	0.32	23.1%
882	2.83	3.28	15.9%	3.81	34.6%
883	2.73	3.2	17.2%	3.72	36.3%
884	14.36	17.54	22.1%	18.13	26.3%
885	9.83	11.74	19.4%	13.43	36.6%
886	0.74	0.9	21.6%	1.01	36.5%
887	0.54	0.67	24.1%	0.75	38.9%
888	0.72	0.89	23.6%	1	38.9%
889	0.33	0.4	21.2%	0.46	39.4%
890	0.65	0.8	23.1%	0.9	38.5%
891	0.97	1.18	21.6%	1.32	36.1%
892	3.49	4.03	15.5%	4.37	25.2%
893	0.90	1.09	21.1%	1.25	38.9%
894	1.10	1.26	14.5%	1.41	28.2%
895	0.70	0.85	21.4%	0.95	35.7%
896	4.26	5.1	19.7%	5.85	37.3%
897	1.01	1.24	22.8%	1.41	39.6%
898	0.77	0.94	22.1%	1.07	39.0%
899	0.15	0.18	20.0%	0.2	33.3%
900	0.74	0.84	13.5%	0.93	25.7%
901	0.70	0.86	22.9%	0.96	37.1%
902	0.87	1.01	16.1%	1.14	31.0%
903	0.59	0.73	23.7%	0.82	39.0%
904	9.68	11.63	20.1%	13.3	37.4%
905	0.50	0.56	12.0%	0.62	24.0%
906	1.02	1.23	20.6%	1.4	37.3%
907	4.51	4.8	6.4%	5.51	22.2%
908	2.63	3.12	18.6%	3.37	28.1%
909	3.30	3.86	17.0%	4.45	34.8%
910	0.81	0.94	16.0%	1.02	25.9%

Subcatch ID	Existing Conditions (m^3/s)	9.1% Increase in Rainfall		18.6% Increase in Rainfall	
		Discharge (m^3/s)	Difference (%)	Discharge (m^3/s)	Difference (%)
911	0.36	0.44	22.2%	0.48	33.3%
912	6.08	6.78	11.5%	7.77	27.8%
913	0.48	0.54	12.5%	0.61	27.1%
914	0.28	0.31	10.7%	0.35	25.0%
915	0.71	0.81	14.1%	0.9	26.8%
916	1.46	1.8	23.3%	2.04	39.7%
917	4.36	4.86	11.5%	5.39	23.6%
918	2.70	2.95	9.3%	3.2	18.5%
919	0.57	0.63	10.5%	0.7	22.8%
920	1.07	1.26	17.8%	1.34	25.2%
921	1.83	2.04	11.5%	2.3	25.7%
922	2.42	2.9	19.8%	3.31	36.8%
923	1.06	1.3	22.6%	1.48	39.6%
924	0.96	1.17	21.9%	1.32	37.5%
925	4.04	4.84	19.8%	5.58	38.1%
926	0.68	0.83	22.1%	0.92	35.3%
927	1.04	1.27	22.1%	1.41	35.6%
928	0.38	0.42	10.5%	0.48	26.3%
929	0.72	0.88	22.2%	0.99	37.5%
930	0.32	0.36	12.5%	0.4	25.0%
931	2.13	2.39	12.2%	2.9	36.2%
932	0.99	1.21	22.2%	1.35	36.4%
933	0.96	1.17	21.9%	1.33	38.5%
934	0.88	1.07	21.6%	1.21	37.5%
935	2.17	2.6	19.8%	2.95	35.9%
Average Differences (All Subcatchments)			**15.5%**		**30.9%**
Average Differences (Focus Locations)			**13.2%**		**25.6%**

APPENDIX N

AUSTRALIAN RAINFALL & RUNOFF 1987 ASSESSMENT

AUSTRALIAN RAINFALL AND RUNOFF 1987 VERSUS 2016 ASSESSMENT

Mainstream and overland flooding for the past three decades has been defined across the Penrith City Council Local Government Area based upon procedures contained in the 1987 version of *'Australian Rainfall and Runoff – A Guide to Flood Estimation'* (Engineers Australian) (referred to herein as *ARR1987*). In December 2016 a revised version of Australian Rainfall and Runoff was released (Geoscience Australia, 2016) (referred to herein as *ARR2016*). Therefore, investigations were completed to determine the impact that the revised hydrologic procedures may have on design flood behaviour across the Peach Tree and Lower Surveyors Creek catchment.

The outcomes of the investigations are summarised below. It should be noted that only the 1% AEP (1 in 100-year ARI) event was investigated as part of this assessment.

Rainfall Intensity

Point design rainfall depths for the 1% AEP event were downloaded from the Bureau of Meteorology's 1987 and 2016 IFD webpage. This design rainfall information is presented in **Table 1** for storm durations varying between 5 minutes and 24 hours. The design rainfall intensities were extracted from the IFD grid cell located closest to the centroid of the study area (33.777° south, 150.688° east).

Table 1 1% AEP Point Design Rainfall Depths

Storm Duration	Rainfall Depth (mm)		Difference
	1987	2016	
5 mins	18.3	20.4	11%
10 mins	28.1	33.1	18%
15 mins	35.0	41.5	19%
20 mins	40.5	47.4	17%
30 mins	49.3	55.6	13%
45 mins	59.2	63.4	7%
1 hour	66.9	68.9	3%
2 hours	88.5	83.9	-5%
3 hours	104	95.3	-8%
6 hours	135	123	-9%
12 hours	179	168	-6%
24 hours	242	234	-3%

The comparison provided in **Table 1** indicates that the ARR2016 rainfall depths are up to 19% higher than the ARR1987 depths for storm durations less than or equal to 1 hour. For storm durations longer than 1 hour, the ARR2016 rainfall depths are lower than the ARR1987 rainfall depths. The average difference between the ARR2016 and ARR1987 rainfall depths is +2%.

Areal Reduction Factors

ARR2016 highlights that the "point" rainfall depths presented in **Table 1** are only applicable for catchment areas up to 1 km^2. Therefore, ARR 2016 recommends applying areal reduction factors that aims to recognise that there is unlikely to be a uniformly high rainfall intensity across all sections of large catchments. Although ARR 1987 did include areal reduction factors, this largely drew from overseas research.

The ARR2016 areal reduction factors are calculated based upon the contributing catchment area at a particular location (i.e., greater reductions are applied to larger catchment areas), the severity of the design event being considered (greater reductions are applied to rarer design storms), the storm duration (greater reductions are applied to shorter storm durations). For longer storm durations a range of additional parameters are required for the specific area, which are available for download from the ARR2016 Data Hub (a copy of the information downloaded from the data hub is included at the end of this document).

As the reduction factors vary with respect to catchment area, the areal reduction factors were calculated based upon the study area only (12.1 km^2) as well as the overall Peach Tree and Surveyors Creek catchment (24.5 km^2). The resulting areal reductions factors are provided in **Table 2**.

Table 2 Areal Reduction Factors for the 1% AEP event

Storm Duration	Areal Reduction Factor			
	Study Area (12.1 km^2)		Overall Catchment (24.5 km^2)	
	1987	2016	1987	2016
5 mins	0.969	0.715	0.939	0.647
10 mins	0.969	0.788	0.939	0.734
15 mins	0.969	0.821	0.939	0.773
20 mins	0.969	0.84	0.939	0.796
30 mins	0.969	0.862	0.939	0.823
45 mins	0.974	0.879	0.949	0.844
1 hour	0.979	0.888	0.959	0.856
2 hours	0.987	0.899	0.975	0.871
3 hours	0.991	0.904	0.982	0.878
6 hours	0.993	0.944	0.986	0.926
12 hours	0.994	0.966	0.989	0.953
24 hours	0.995	0.985	0.991	0.980

Areal reduction factors were also extracted from Figure 1.6 of ARR1987 and are included in **Table 2**. It is noted that no reduction factors are provided in ARR1987 for durations less than 30 minutes. Therefore, it was assumed that the 30-minute reduction factors also applied for shorter storm durations. It is also noted that it is very difficult to extract precise reductions factors for catchment areas less than 50 km^2 as the areal reduction curves in Figure 1.6 of ARR1987 and very rapidly converge to 1.0 for small catchment areas.

The factors provided in **Table 2** show that the ARR1987 reduction factors are globally greater than the ARR2016 reduction factors. The most significant differences occur for shorter storm durations. As the storm durations approach 24 hours, the differences in reductions factors are generally negligible.

The main limitation associated with application of the reductions factors is that they are only applicable at a specific point. For example, the areal reduction factor for the overall Peach Tree and Surveyors Creek catchment is only applicable at the overall catchment outlet. Therefore, the reduction factors for all areas located upstream of the outlet will be higher as the contributing catchment area will be less than the overall catchment area. In some instances (most notably the upstream sections of the catchment), the contributing catchment area may be less than 1 km^2, whereby no areal reduction factors should be applied.

As a key objective of the study is to define overland flow behaviour where contributing catchment areas mays be less than 1 km^2 no reduction factors were ultimately applied to the point rainfall intensities in **Table 1**. It is noted that this should provide reliable flood estimates for those locations with small contributing catchment areas. However, it may overestimate flood behaviour in areas with a significant upstream catchment area. However, given that flood behaviour across the downstream sections of the study area (where there is a significant upstream catchment area) is dominated by Nepean River flooding, rather than local catchment runoff, it is considered that this assumption should not have a significant impact on results.

Temporal Patterns

One of the most significant differences between ARR2016 and ARR1987 is in the use of storm temporal patterns (i.e., the patterns describing the distribution of rainfall throughout the storm). ARR1987 employed a single temporal pattern for each AEP/storm duration while ARR2016 typically uses 10 temporal patterns for each AEP/storm duration.

For ARR87, temporal patterns for 'zone 1' were used to define the temporal variation in rainfall for each design storm.

Rainfall Losses

ARR87 uses the initial/continuing loss model for defining rainfall losses across catchments. This loss model is also utilised as part of ARR2016. However, ARR2016 varies the "burst loss" based on the storm duration and frequency, while ARR1987 typically applies a constant initial loss and continuing loss rate.

For this sensitivity assessment, the following rainfall losses were adopted as part of the ARR1987 assessment:

- Pervious Areas:
  - Initial Loss = 10mm

- Continuing Loss Rate = 2.5 mm/hr

- Impervious Areas:
  - Initial Loss = 1mm
  - Continuing Loss Rate = 0 mm/hr

It is noted that the ARR1987 initial loss for pervious areas (i.e., 10mm) is typically lower than the ARR2016 burst losses, which vary between 10mm and 27mm. Other impervious and pervious initial losses and continuing loss rates are generally similar between ARR2016 and ARR1987.

Hydrologic Assessment

The XP-RAFTS model was used to simulate rainfall-runoff processes based upon ARR1987 to enable the magnitude of the differences in hydrologic results to be quantified. Peak 1% AEP discharges and critical durations at each XP-RAFTS subcatchment based upon ARR1987 procedures are tabulated on the following page. The adopted ARR2016 1% AEP critical durations and discharges are also included for comparison.

A comparison of the critical durations indicates that the ARR1987 critical durations are typically longer than the ARR2016 critical durations. The ARR2016 critical duration most commonly vary between 20 minutes and 1 hours while the ARR1987 critical durations typically vary between 1.5 and 2 hours.

The peak discharge comparison shows that ARR1987 peak discharges are globally higher than the ARR2016 discharges. The ARR1987 discharges are typically 15% to 20% higher than the ARR2016 discharges. This is considered to be primarily associated with the higher burst losses being applied as part of ARR2016 (as discussed in the initial loss sensitivity assessment, if the storm loss is altered by ±20%, it is predicted to change the peak discharges by around 15%.

Hydraulic Assessment

The ARR1987 hydrographs were also applied to the TUFLOW model and the TUFLOW model was used to re-simulate the 1% AEP flood. Peak water levels were extracted from the results of the modelling and were compared against peak water flood levels for “base” design conditions. This allowed water level difference mapping to be prepared showing the magnitude of any change in water levels associated with the change in initial loss values. The difference mapping is presented in **Plate N1**.

The difference mapping shows that the 1% AEP ARR1987 flood levels are generally higher than the ARR2016 levels. Along major watercourse, the ARR1987 levels are typically a minimum of 0.1 metres higher than ARR2016 levels. Localised increases of more than 0.3 metres are predicted in the vicinity of major hydraulic controls (e.g., roadway embankments/culverts).

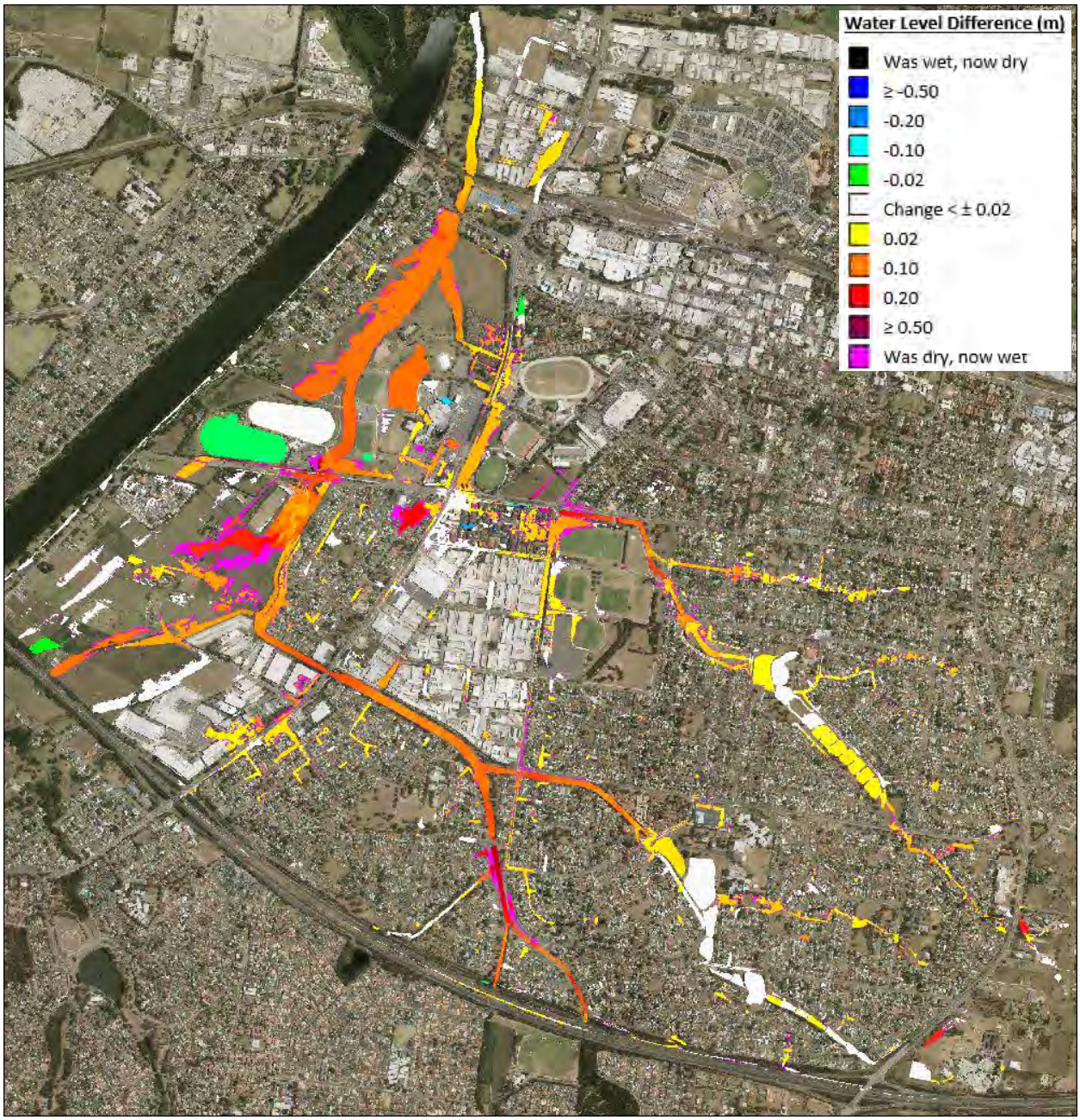


Plate N1 1% AEP Flood level difference map for the 1987 version of Australian Rainfall & Runoff

ARR1987 Sensitivity Results for the 5% AEP Event

Subcatch ID	ARR2016 Results		ARR1987 Results		Difference	
	Critical Duration	Discharge (m^3/s)	Critical Duration	Discharge (m^3/s)	(m^3/s)	(%)
1	360	141.77	120	220.35	78.58	55.4%
2	60	1.11	90	1.87	0.76	68.5%
3	60	1.01	90	1.75	0.74	73.3%
4	60	2.11	120	3.50	1.39	65.9%
5	60	2.46	90	3.92	1.46	59.3%
6	60	6.03	120	10.45	4.42	73.3%
7	60	7.22	120	12.02	4.80	66.5%
8	60	7.47	120	12.67	5.20	69.6%
9	60	1.04	90	1.85	0.81	77.9%
10	60	9.94	120	16.19	6.25	62.9%
11	60	1.01	90	1.73	0.72	71.3%
12	60	4.18	120	6.57	2.39	57.2%
13	60	0.68	120	1.17	0.49	72.1%
14	60	0.91	120	1.57	0.66	72.5%
15	60	2.17	120	3.71	1.54	71.0%
16	60	15.44	120	25.28	9.84	63.7%
17	10	1.06	90	1.54	0.48	45.3%
18	10	3.87	120	5.65	1.78	46.0%
19	90	1.19	120	1.86	0.67	56.3%
20	60	5.63	120	8.79	3.16	56.1%
21	90	6.76	120	10.27	3.51	51.9%
22	60	17.12	120	27.71	10.59	61.9%
23	120	1.54	90	2.61	1.07	69.5%
24	60	6.66	120	10.68	4.02	60.4%
25	60	7.89	120	12.87	4.98	63.1%
26	60	11.68	120	18.83	7.15	61.2%
27	60	1.33	90	2.32	0.99	74.4%
28	10	1.28	90	2.09	0.81	63.3%
29	15	5.43	120	8.30	2.87	52.9%
30	60	1.37	120	2.31	0.94	68.6%
31	60	21.76	120	37.69	15.93	73.2%
32	15	1.63	90	2.22	0.59	36.2%
33	60	7.21	120	10.53	3.32	46.0%
34	90	15.35	120	18.07	2.72	17.7%
35	60	1.23	120	2.16	0.93	75.6%
36	60	4.65	120	7.62	2.97	63.9%
37	60	2.04	90	3.44	1.40	68.6%
38	60	2.54	120	4.09	1.55	61.0%
39	60	6.11	120	10.13	4.02	65.8%
40	90	23.94	120	38.78	14.84	62.0%
41	10	1.02	90	1.73	0.71	69.6%
42	90	27.64	120	43.59	15.95	57.7%
43	15	1.83	90	2.65	0.82	44.8%
44	90	15.36	120	18.11	2.75	17.9%

45	60	0.98	120	1.67	0.69	70.4%
46	90	27.85	120	44.05	16.20	58.2%
47	60	0.77	120	1.35	0.58	75.3%
48	60	1.38	90	2.48	1.10	79.7%
49	60	0.90	90	1.64	0.74	82.2%
50	60	2.95	90	5.05	2.10	71.2%
51	15	1.82	90	2.30	0.48	26.4%
52	15	3.00	90	4.74	1.74	58.0%
53	15	2.80	90	4.62	1.82	65.0%
54	90	28.66	120	45.33	16.67	58.2%
55	15	1.85	90	2.46	0.61	33.0%
56	15	4.97	90	7.55	2.58	51.9%
57	15	6.99	90	10.39	3.40	48.6%
58	360	15.33	120	18.89	3.56	23.2%
59	15	2.89	90	3.65	0.76	26.3%
60	360	17.73	120	20.86	3.13	17.7%
61	60	3.27	90	5.30	2.03	62.1%
62	60	4.98	120	8.26	3.28	65.9%
63	60	1.34	120	2.34	1.00	74.6%
64	60	9.42	120	15.25	5.83	61.9%
65	60	0.75	120	1.27	0.52	69.3%
66	180	28.10	120	46.88	18.78	66.8%
67	60	0.84	90	1.49	0.65	77.4%
68	60	1.17	90	2.05	0.88	75.2%
69	60	10.80	120	18.59	7.79	72.1%
70	180	28.36	120	47.21	18.85	66.5%
71	10	1.36	90	2.05	0.69	50.7%
72	180	36.27	120	56.45	20.18	55.6%
73	60	1.78	90	3.09	1.31	73.6%
74	60	9.69	120	16.96	7.27	75.0%
75	10	1.41	90	1.83	0.42	29.8%
76	10	5.04	120	6.35	1.31	26.0%
77	10	6.52	90	8.60	2.08	31.9%
78	360	19.79	720	22.92	3.13	15.8%
79	10	1.49	90	2.40	0.91	61.1%
80	180	36.78	120	57.25	20.47	55.7%
81	10	1.55	90	2.13	0.58	37.4%
82	120	21.50	120	30.12	8.62	40.1%
83	60	1.00	120	1.18	0.18	18.0%
84	60	2.67	120	4.20	1.53	57.3%
85	60	1.23	90	1.91	0.68	55.3%
86	60	2.12	90	3.62	1.50	70.8%
87	15	1.11	90	1.79	0.68	61.3%
88	180	37.45	120	58.18	20.73	55.4%
89	60	0.97	90	1.66	0.69	71.1%
90	180	38.41	120	57.59	19.18	49.9%
91	15	1.22	90	1.87	0.65	53.3%
92	60	3.85	120	6.22	2.37	61.6%
93	60	2.68	90	4.73	2.05	76.5%
94	180	38.56	120	57.83	19.27	50.0%

95	10	1.72	90	2.21	0.49	28.5%
96	10	1.97	90	2.48	0.51	25.9%
97	10	1.77	90	2.53	0.76	42.9%
98	360	22.02	360	23.12	1.10	5.0%
99	10	1.52	90	2.32	0.80	52.6%
100	180	40.55	120	59.74	19.19	47.3%
101	15	1.30	90	2.08	0.78	60.0%
102	90	5.71	120	8.56	2.85	49.9%
103	15	3.98	90	5.06	1.08	27.1%
104	15	4.83	90	6.13	1.30	26.9%
105	10	1.37	90	1.83	0.46	33.6%
106	45	0.00	25	0.00	0.00	0.0%
107	10	1.59	90	2.45	0.86	54.1%
108	90	6.34	120	9.16	2.82	44.5%
109	10	1.41	90	2.03	0.62	44.0%
110	20	0.00	1440	0.00	0.00	0.0%
111	10	1.63	90	2.50	0.87	53.4%
112	180	40.96	120	60.37	19.41	47.4%
113	60	1.24	120	2.20	0.96	77.4%
114	60	1.76	120	2.99	1.23	69.9%
115	15	1.23	90	2.15	0.92	74.8%
116	10	10.67	90	16.02	5.35	50.1%
117	60	24.89	120	28.72	3.83	15.4%
118	180	41.12	120	60.70	19.58	47.6%
119	10	2.07	120	3.06	0.99	47.8%
120	60	4.72	120	6.87	2.15	45.6%
121	60	7.36	120	11.75	4.39	59.6%
122	90	7.06	120	10.67	3.61	51.1%
123	15	11.19	120	18.46	7.27	65.0%
124	20	0.00	15	0.00	0.00	0.0%
125	15	1.98	90	3.02	1.04	52.5%
126	180	62.80	120	84.94	22.14	35.3%
127	60	2.59	90	4.37	1.78	68.7%
128	60	6.07	120	9.59	3.52	58.0%
129	60	2.15	120	3.64	1.49	69.3%
130	180	68.03	120	89.18	21.15	31.1%
131	15	4.04	90	6.58	2.54	62.9%
132	120	12.47	120	17.80	5.33	42.7%
133	10	3.21	90	5.10	1.89	58.9%
134	120	14.20	120	20.68	6.48	45.6%
135	15	2.25	90	3.24	0.99	44.0%
136	60	2.04	90	3.16	1.12	54.9%
137	10	1.42	120	2.09	0.67	47.2%
138	120	15.78	120	22.76	6.98	44.2%
139	60	12.79	120	19.88	7.09	55.4%
140	15	1.14	90	1.68	0.54	47.4%
141	120	16.28	120	23.50	7.22	44.3%
142	15	0.71	25	1.08	0.37	52.1%
143	120	16.49	120	24.67	8.18	49.6%
144	60	16.92	120	25.43	8.51	50.3%

145	180	69.31	120	90.05	20.74	29.9%
146	10	3.16	90	4.96	1.80	57.0%
147	15	3.87	90	4.88	1.01	26.1%
148	10	1.18	90	1.78	0.60	50.8%
149	10	2.58	90	4.01	1.43	55.4%
150	10	4.11	120	6.41	2.30	56.0%
151	15	7.26	90	10.36	3.10	42.7%
152	15	0.99	90	1.62	0.63	63.6%
153	360	3.31	1440	4.28	0.97	29.3%
154	10	5.03	120	5.86	0.83	16.5%
155	180	84.22	360	110.48	26.26	31.2%
156	10	1.80	25	2.12	0.32	17.8%
157	10	3.30	120	3.74	0.44	13.3%
158	60	1.53	120	2.56	1.03	67.3%
159	180	85.28	360	111.76	26.48	31.1%
160	10	2.56	90	3.87	1.31	51.2%
161	10	3.26	120	4.93	1.67	51.2%
162	15	11.19	90	17.38	6.19	55.3%
163	180	85.73	360	112.31	26.58	31.0%
164	15	1.52	120	2.27	0.75	49.3%
165	60	11.93	120	16.01	4.08	34.2%
166	60	7.34	120	10.63	3.29	44.8%
167	60	11.66	120	15.67	4.01	34.4%
168	15	1.06	90	1.93	0.87	82.1%
169	60	1.27	90	2.18	0.91	71.7%
170	60	2.32	90	3.93	1.61	69.4%
171	60	13.47	120	17.91	4.44	33.0%
172	60	1.59	120	2.79	1.20	75.5%
173	60	2.28	120	3.82	1.54	67.5%
174	360	88.12	720	118.49	30.37	34.5%
175	60	4.21	120	7.24	3.03	72.0%
176	60	1.25	120	2.02	0.77	61.6%
177	60	1.63	120	2.84	1.21	74.2%
178	60	3.05	120	4.86	1.81	59.3%
179	15	4.04	90	6.24	2.20	54.5%
180	15	1.18	90	1.91	0.73	61.9%
181	360	90.01	720	122.02	32.01	35.6%
182	15	1.45	90	2.21	0.76	52.4%
183	60	3.57	120	5.59	2.02	56.6%
184	10	0.94	90	1.27	0.33	35.1%
185	60	6.47	120	9.75	3.28	50.7%
186	60	1.37	120	2.30	0.93	67.9%
187	60	1.49	90	2.59	1.10	73.8%
188	60	1.28	120	2.15	0.87	68.0%
189	60	3.09	120	5.26	2.17	70.2%
190	10	1.21	120	1.90	0.69	57.0%
191	360	90.14	720	122.44	32.30	35.8%
192	60	8.62	120	12.54	3.92	45.5%
193	60	15.07	120	22.08	7.01	46.5%
194	10	1.33	120	2.08	0.75	56.4%

195	10	6.65	120	8.79	2.14	32.2%
196	10	1.49	120	2.24	0.75	50.3%
197	60	23.11	120	35.16	12.05	52.1%
198	15	7.78	120	11.20	3.42	44.0%
199	360	90.29	720	122.97	32.68	36.2%
200	60	0.99	120	1.67	0.68	68.7%
201	60	23.60	120	36.45	12.85	54.4%
202	60	7.30	120	12.30	5.00	68.5%
203	60	24.19	120	37.13	12.94	53.5%
204	60	6.56	120	10.94	4.38	66.8%
205	360	91.47	720	127.31	35.84	39.2%
206	60	1.08	90	1.86	0.78	72.2%
207	60	32.05	120	49.27	17.22	53.7%
208	60	1.53	120	2.56	1.03	67.3%
209	360	95.55	720	134.23	38.68	40.5%
210	10	1.07	90	1.76	0.69	64.5%
211	360	96.01	720	135.08	39.07	40.7%
212	10	2.11	120	2.74	0.63	29.9%
213	60	33.37	120	51.56	18.19	54.5%
214	60	2.26	90	3.57	1.31	58.0%
215	360	96.22	720	135.57	39.35	40.9%
216	60	33.99	120	52.47	18.48	54.4%
217	360	96.87	720	137.27	40.40	41.7%
218	1440	0.17	1440	0.20	0.03	17.6%
219	60	2.15	90	3.44	1.29	60.0%
220	10	1.38	90	1.86	0.48	34.8%
221	15	2.31	90	3.11	0.80	34.6%
222	10	6.01	120	8.58	2.57	42.8%
223	15	5.35	120	7.81	2.46	46.0%
224	15	1.94	90	2.96	1.02	52.6%
225	10	2.49	90	3.52	1.03	41.4%
226	15	1.58	90	2.43	0.85	53.8%
227	10	4.48	90	6.39	1.91	42.6%
228	15	1.09	90	1.64	0.55	50.5%
229	10	5.74	90	8.42	2.68	46.7%
230	10	2.77	120	3.96	1.19	43.0%
231	15	11.26	90	18.67	7.41	65.8%
232	60	1.19	120	1.97	0.78	65.5%
233	30	20.02	120	29.90	9.88	49.4%
234	360	0.41	540	0.54	0.13	31.7%
235	360	122.12	120	175.45	53.33	43.7%
236	15	0.86	90	1.20	0.34	39.5%
237	30	20.91	120	31.12	10.21	48.8%
238	60	2.57	120	4.07	1.50	58.4%
239	360	0.41	540	0.54	0.13	31.7%
240	10	1.97	25	2.16	0.19	9.6%
241	60	13.80	120	22.60	8.80	63.8%
242	15	7.60	120	11.92	4.32	56.8%
243	60	15.11	120	23.77	8.66	57.3%
244	60	1.58	90	2.67	1.09	69.0%

245	360	122.86	120	177.13	54.27	44.2%
246	10	1.71	90	1.97	0.26	15.2%
247	15	3.10	25	3.37	0.27	8.7%
248	15	1.66	90	2.09	0.43	25.9%
249	15	6.13	90	6.69	0.56	9.1%
250	60	21.72	120	33.01	11.29	52.0%
251	360	122.93	120	177.81	54.88	44.6%
252	15	3.56	90	3.88	0.32	9.0%
253	15	10.33	120	15.09	4.76	46.1%
254	60	1.83	120	3.02	1.19	65.0%
255	360	136.19	120	206.04	69.85	51.3%
256	10	7.97	90	9.09	1.12	14.1%
257	25	10.78	120	16.57	5.79	53.7%
258	45	15.03	120	20.44	5.41	36.0%
259	360	136.28	120	207.31	71.03	52.1%
260	10	3.21	90	4.36	1.15	35.8%
261	15	3.58	90	5.57	1.99	55.6%
262	15	6.66	120	10.33	3.67	55.1%
263	360	141.50	120	217.58	76.08	53.8%
264	60	1.03	90	1.87	0.84	81.6%
265	60	2.11	120	3.46	1.35	64.0%
266	60	1.21	90	2.16	0.95	78.5%
267	60	3.15	120	5.23	2.08	66.0%
268	60	1.00	120	1.73	0.73	73.0%
269	60	2.00	120	3.34	1.34	67.0%
270	60	1.25	90	1.96	0.71	56.8%
271	60	4.44	120	7.86	3.42	77.0%
272	90	2.19	120	3.78	1.59	72.6%
273	60	3.05	120	4.96	1.91	62.6%
274	60	1.15	120	1.98	0.83	72.2%
275	60	4.70	120	7.59	2.89	61.5%
276	45	0.44	25	0.72	0.28	63.6%
277	60	5.95	120	9.64	3.69	62.0%
278	60	3.53	120	5.71	2.18	61.8%
279	60	6.41	120	10.44	4.03	62.9%
280	90	1.48	120	2.56	1.08	73.0%
281	60	5.65	120	9.38	3.73	66.0%
282	60	1.91	120	3.17	1.26	66.0%
283	60	4.51	120	7.78	3.27	72.5%
284	60	2.59	120	4.34	1.75	67.6%
285	60	0.99	120	1.72	0.73	73.7%
286	60	6.08	120	9.73	3.65	60.0%
287	60	5.44	120	9.30	3.86	71.0%
288	60	15.40	120	25.19	9.79	63.6%
289	90	1.81	120	3.12	1.31	72.4%
290	90	1.24	120	2.03	0.79	63.7%
291	60	1.84	120	3.17	1.33	72.3%
292	60	17.12	120	27.70	10.58	61.8%
293	90	6.57	120	10.11	3.54	53.9%
294	60	11.27	120	18.23	6.96	61.8%

295	90	15.36	120	18.09	2.73	17.8%
296	90	23.13	120	25.07	1.94	8.4%
297	60	23.84	120	26.65	2.81	11.8%
298	10	10.41	90	14.63	4.22	40.5%
299	60	0.99	120	1.18	0.19	19.2%
300	60	2.21	90	3.48	1.27	57.5%
301	60	3.72	120	6.46	2.74	73.7%
302	60	9.92	120	15.62	5.70	57.5%
303	60	3.57	120	5.41	1.84	51.5%
304	60	2.35	120	3.91	1.56	66.4%
305	60	6.80	120	10.73	3.93	57.8%
306	60	5.02	120	8.50	3.48	69.3%
307	1440	0.06	1440	0.07	0.01	16.7%
308	60	14.78	120	23.37	8.59	58.1%
309	15	7.46	120	11.67	4.21	56.4%
310	360	136.27	120	207.16	70.89	52.0%
311	45	14.33	90	19.20	4.87	34.0%
312	10	3.04	90	4.16	1.12	36.8%
313	10	2.70	90	3.92	1.22	45.2%
314	15	11.21	90	18.30	7.09	63.2%
315	15	4.99	90	6.94	1.95	39.1%
316	10	3.49	120	5.12	1.63	46.7%
317	60	14.86	120	21.86	7.00	47.1%
318	60	8.55	120	12.48	3.93	46.0%
319	360	3.58	540	4.25	0.67	18.7%
320	360	3.44	540	4.00	0.56	16.3%
321	360	3.52	540	3.96	0.44	12.5%
322	360	3.55	360	3.94	0.39	11.0%
323	360	3.21	360	3.53	0.32	10.0%
324	360	3.19	180	3.51	0.32	10.0%
325	60	12.74	120	19.73	6.99	54.9%
326	60	10.57	120	16.60	6.03	57.0%
327	15	2.23	90	3.13	0.90	40.4%
328	10	1.73	90	2.87	1.14	65.9%
329	60	0.49	90	0.85	0.36	73.5%
330	60	6.24	120	10.40	4.16	66.7%
331	10	6.59	120	7.98	1.39	21.1%
332	10	3.50	90	5.35	1.85	52.9%
333	10	1.35	90	1.81	0.46	34.1%
334	60	9.22	120	14.53	5.31	57.6%
335	15	1.14	90	1.88	0.74	64.9%
336	15	2.37	90	3.68	1.31	55.3%
337	15	1.53	90	2.23	0.70	45.8%
338	15	1.81	90	2.63	0.82	45.3%
339	15	3.35	90	4.33	0.98	29.3%
340	15	2.39	90	4.15	1.76	73.6%
341	60	1.19	90	2.03	0.84	70.6%
342	360	15.40	120	19.07	3.67	23.8%
343	10	10.56	90	15.09	4.53	42.9%
344	60	3.37	120	5.29	1.92	57.0%

345	60	0.79	90	1.48	0.69	87.3%
346	10	0.87	90	1.24	0.37	42.5%
347	15	1.06	90	1.77	0.71	67.0%
348	60	7.61	120	11.24	3.63	47.7%
349	60	6.93	120	11.68	4.75	68.5%
350	15	2.30	90	3.17	0.87	37.8%
351	60	32.58	120	49.95	17.37	53.3%
352	10	3.18	120	4.37	1.19	37.4%
353	15	4.16	25	5.06	0.90	21.6%
354	60	0.97	120	1.59	0.62	63.9%
355	60	21.33	120	31.81	10.48	49.1%
356	60	21.56	120	32.50	10.94	50.7%
357	15	1.00	90	1.73	0.73	73.0%
358	15	11.01	120	14.34	3.33	30.2%
359	10	9.07	90	12.22	3.15	34.7%
360	15	10.27	120	14.71	4.44	43.2%
361	60	5.24	120	8.41	3.17	60.5%
362	15	1.45	90	2.45	1.00	69.0%
363	15	0.97	90	1.66	0.69	71.1%
364	10	1.15	90	1.65	0.50	43.5%
365	60	1.13	90	2.02	0.89	78.8%
366	15	1.27	90	1.83	0.56	44.1%
367	60	4.26	90	5.56	1.30	30.5%
368	15	1.03	90	1.57	0.54	52.4%
369	10	2.70	120	4.62	1.92	71.1%
370	15	1.62	90	2.72	1.10	67.9%
371	10	1.43	90	1.94	0.51	35.7%
372	10	1.14	90	1.75	0.61	53.5%
373	10	2.37	90	3.61	1.24	52.3%
374	15	0.91	25	1.25	0.34	37.4%
375	60	2.18	120	3.68	1.50	68.8%
376	60	1.59	90	2.84	1.25	78.6%
377	15	11.16	120	18.18	7.02	62.9%
378	180	83.97	360	110.16	26.19	31.2%
379	10	0.65	90	0.89	0.24	36.9%
380	15	4.74	120	6.88	2.14	45.1%
381	60	0.75	90	1.37	0.62	82.7%
382	60	1.24	90	1.93	0.69	55.6%
383	60	0.25	90	0.42	0.17	68.0%
384	60	13.90	120	20.71	6.81	49.0%
385	60	32.04	120	49.26	17.22	53.7%
386	60	1.86	90	3.32	1.46	78.5%
387	60	1.05	90	1.81	0.76	72.4%
388	60	4.68	120	7.55	2.87	61.3%
389	180	40.88	120	60.22	19.34	47.3%
390	10	0.28	25	0.42	0.14	50.0%
391	60	1.71	90	2.59	0.88	51.5%
392	60	0.53	90	0.95	0.42	79.2%
393	60	0.27	90	0.46	0.19	70.4%
394	10	1.07	90	1.84	0.77	72.0%

395	15	1.67	90	2.47	0.80	47.9%
396	10	1.00	90	1.50	0.50	50.0%
397	60	13.67	120	22.49	8.82	64.5%
398	10	0.33	90	0.48	0.15	45.5%
399	10	0.14	25	0.22	0.08	57.1%
400	360	0.31	540	0.44	0.13	41.9%
401	60	2.17	120	3.43	1.26	58.1%
402	10	1.63	90	2.00	0.37	22.7%
403	10	1.02	90	1.48	0.46	45.1%
404	15	6.40	120	10.01	3.61	56.4%
405	15	3.02	90	4.16	1.14	37.7%
406	15	2.02	90	3.00	0.98	48.5%
407	180	40.86	120	60.17	19.31	47.3%
408	90	7.15	120	10.57	3.42	47.8%
409	90	7.06	120	10.66	3.60	51.0%
410	120	12.48	120	17.98	5.50	44.1%
411	60	1.20	90	2.14	0.94	78.3%
412	60	1.67	120	2.79	1.12	67.1%
413	60	1.48	90	2.63	1.15	77.7%
414	15	2.47	90	3.82	1.35	54.7%
415	15	2.73	90	3.94	1.21	44.3%
416	10	0.74	90	1.05	0.31	41.9%
417	15	0.74	90	1.21	0.47	63.5%
418	60	1.45	120	2.40	0.95	65.5%
419	60	4.84	120	8.46	3.62	74.8%
420	60	16.78	120	25.28	8.50	50.7%
421	10	0.73	90	0.95	0.22	30.1%
422	15	7.68	90	9.89	2.21	28.8%
423	15	3.62	90	4.94	1.32	36.5%
424	15	2.85	90	3.99	1.14	40.0%
425	10	0.78	25	0.87	0.09	11.5%
426	60	0.66	90	1.19	0.53	80.3%
427	10	1.05	90	1.83	0.78	74.3%
428	10	1.54	90	1.96	0.42	27.3%
429	60	20.08	120	32.23	12.15	60.5%
430	10	0.37	25	0.52	0.15	40.5%
431	10	1.12	90	1.50	0.38	33.9%
432	10	0.80	90	1.02	0.22	27.5%
433	15	1.50	25	2.01	0.51	34.0%
434	15	0.96	90	1.58	0.62	64.6%
435	15	0.54	90	0.75	0.21	38.9%
436	60	5.47	120	8.20	2.73	49.9%
437	60	4.95	120	7.42	2.47	49.9%
438	60	4.81	120	7.20	2.39	49.7%
439	60	4.74	120	7.12	2.38	50.2%
440	60	3.84	120	6.20	2.36	61.5%
441	60	3.80	120	6.13	2.33	61.3%
442	60	3.63	120	5.82	2.19	60.3%
443	90	5.64	120	8.50	2.86	50.7%
444	90	5.71	120	8.56	2.85	49.9%

445	60	0.44	90	0.77	0.33	75.0%
446	60	0.29	90	0.50	0.21	72.4%
447	60	1.39	90	2.17	0.78	56.1%
448	60	0.75	90	1.38	0.63	84.0%
449	60	0.68	90	1.16	0.48	70.6%
450	20	0.07	25	0.10	0.03	42.9%
451	60	0.27	90	0.45	0.18	66.7%
452	45	0.16	90	0.26	0.10	62.5%
453	60	1.97	120	3.40	1.43	72.6%
454	10	0.48	90	0.79	0.31	64.6%
455	60	2.05	120	3.52	1.47	71.7%
456	60	0.09	120	0.15	0.06	66.7%
457	60	0.47	90	0.83	0.36	76.6%
458	10	0.20	25	0.30	0.10	50.0%
459	15	0.61	90	0.92	0.31	50.8%
460	15	0.99	90	1.57	0.58	58.6%
461	15	1.27	90	2.05	0.78	61.4%
462	10	0.58	90	1.01	0.43	74.1%
463	10	0.24	90	0.39	0.15	62.5%
464	60	0.31	90	0.52	0.21	67.7%
465	60	0.10	25	0.17	0.07	70.0%
466	60	0.33	90	0.57	0.24	72.7%
467	60	1.34	90	2.32	0.98	73.1%
468	15	0.97	90	1.55	0.58	59.8%
469	10	0.66	90	0.93	0.27	40.9%
470	10	0.36	90	0.55	0.19	52.8%
471	10	0.29	90	0.45	0.16	55.2%
472	10	0.22	25	0.33	0.11	50.0%
473	15	0.37	90	0.55	0.18	48.6%
474	15	1.27	90	2.05	0.78	61.4%
475	15	1.09	90	1.75	0.66	60.6%
476	10	0.11	25	0.18	0.07	63.6%
477	10	0.18	25	0.26	0.08	44.4%
478	10	0.36	90	0.53	0.17	47.2%
479	15	0.59	90	0.85	0.26	44.1%
480	15	1.28	90	2.03	0.75	58.6%
481	10	1.52	90	2.32	0.80	52.6%
482	60	0.03	90	0.06	0.03	100.0%
483	60	0.11	90	0.19	0.08	72.7%
484	60	0.23	120	0.39	0.16	69.6%
485	10	0.66	90	0.96	0.30	45.5%
486	15	0.60	90	1.01	0.41	68.3%
487	45	0.10	25	0.19	0.09	90.0%
488	45	0.13	25	0.24	0.11	84.6%
489	15	1.22	90	2.12	0.90	73.8%
490	45	0.06	25	0.09	0.03	50.0%
491	60	0.19	90	0.32	0.13	68.4%
492	60	0.41	120	0.69	0.28	68.3%
493	45	0.07	25	0.11	0.04	57.1%
494	60	0.13	90	0.21	0.08	61.5%

495	10	0.17	25	0.28	0.11	64.7%
496	10	0.22	25	0.34	0.12	54.5%
497	60	0.45	90	0.85	0.40	88.9%
498	60	0.24	90	0.44	0.20	83.3%
499	60	0.23	90	0.38	0.15	65.2%
500	10	0.28	25	0.42	0.14	50.0%
501	10	0.30	90	0.48	0.18	60.0%
502	15	11.19	120	18.44	7.25	64.8%
503	60	0.36	90	0.65	0.29	80.6%
504	10	0.57	90	0.91	0.34	59.6%
505	60	0.21	90	0.35	0.14	66.7%
506	10	0.16	25	0.27	0.11	68.8%
507	60	0.27	120	0.47	0.20	74.1%
508	60	0.14	90	0.23	0.09	64.3%
509	60	0.42	90	0.73	0.31	73.8%
510	15	1.59	90	2.52	0.93	58.5%
511	10	2.06	90	3.15	1.09	52.9%
512	10	2.19	120	3.31	1.12	51.1%
513	15	1.10	90	1.73	0.63	57.3%
514	10	0.43	25	0.60	0.17	39.5%
515	10	0.49	90	0.77	0.28	57.1%
516	10	0.18	25	0.29	0.11	61.1%
517	10	0.22	25	0.35	0.13	59.1%
518	60	0.52	90	0.95	0.43	82.7%
519	10	0.56	90	0.98	0.42	75.0%
520	60	0.83	90	1.41	0.58	69.9%
521	60	0.19	90	0.34	0.15	78.9%
522	60	0.23	90	0.42	0.19	82.6%
523	60	0.26	90	0.44	0.18	69.2%
524	60	0.42	120	0.66	0.24	57.1%
525	10	1.60	25	1.76	0.16	10.0%
526	10	0.33	25	0.47	0.14	42.4%
527	60	1.37	90	2.42	1.05	76.6%
528	15	0.33	25	0.39	0.06	18.2%
529	10	0.11	25	0.13	0.02	18.2%
530	15	0.75	90	1.11	0.36	48.0%
531	15	0.27	25	0.42	0.15	55.6%
532	20	0.05	25	0.08	0.03	60.0%
533	45	0.44	25	0.76	0.32	72.7%
534	10	0.95	25	1.13	0.18	18.9%
535	60	0.45	90	0.81	0.36	80.0%
536	60	0.48	90	0.85	0.37	77.1%
537	60	0.42	90	0.75	0.33	78.6%
538	45	0.07	25	0.09	0.02	28.6%
539	60	0.13	25	0.24	0.11	84.6%
540	60	0.21	25	0.36	0.15	71.4%
541	60	0.55	120	0.88	0.33	60.0%
542	60	0.25	90	0.42	0.17	68.0%
543	60	1.11	120	1.93	0.82	73.9%
544	60	0.28	90	0.46	0.18	64.3%

545	60	0.58	120	0.95	0.37	63.8%
546	60	0.65	120	1.06	0.41	63.1%
547	60	1.23	90	1.98	0.75	61.0%
548	60	1.31	90	2.11	0.80	61.1%
549	60	0.83	120	1.34	0.51	61.4%
550	60	1.33	120	2.23	0.90	67.7%
551	60	3.02	120	5.14	2.12	70.2%
552	60	3.08	120	5.24	2.16	70.1%
553	60	1.09	120	1.82	0.73	67.0%
554	60	0.13	90	0.22	0.09	69.2%
555	60	0.43	90	0.75	0.32	74.4%
556	60	5.63	120	9.49	3.86	68.6%
557	60	5.24	120	8.86	3.62	69.1%
558	60	0.67	90	1.15	0.48	71.6%
559	60	0.46	120	0.77	0.31	67.4%
560	60	0.31	90	0.52	0.21	67.7%
561	10	0.15	25	0.23	0.08	53.3%
562	45	0.25	90	0.41	0.16	64.0%
563	10	0.56	25	0.65	0.09	16.1%
564	10	0.25	25	0.31	0.06	24.0%
565	60	0.48	90	0.77	0.29	60.4%
566	60	0.79	120	1.27	0.48	60.8%
567	60	0.91	120	1.47	0.56	61.5%
568	60	1.11	120	1.84	0.73	65.8%
569	60	0.17	90	0.29	0.12	70.6%
570	60	1.32	120	2.20	0.88	66.7%
571	60	0.16	90	0.27	0.11	68.8%
572	10	0.59	120	0.74	0.15	25.4%
573	15	0.97	25	1.18	0.21	21.6%
574	15	0.42	25	0.55	0.13	31.0%
575	60	0.29	90	0.49	0.20	69.0%
576	60	0.12	90	0.21	0.09	75.0%
577	60	0.30	120	0.52	0.22	73.3%
578	60	0.13	90	0.23	0.10	76.9%
579	45	1.57	90	2.55	0.98	62.4%
580	60	0.10	90	0.17	0.07	70.0%
581	15	7.54	120	10.77	3.23	42.8%
582	15	0.32	25	0.55	0.23	71.9%
583	10	0.26	25	0.39	0.13	50.0%
584	10	0.53	25	0.74	0.21	39.6%
585	10	1.30	120	1.95	0.65	50.0%
586	10	1.19	120	1.82	0.63	52.9%
587	10	0.21	25	0.33	0.12	57.1%
588	45	0.09	25	0.16	0.07	77.8%
589	10	0.54	90	0.76	0.22	40.7%
590	15	0.65	90	0.92	0.27	41.5%
591	15	0.89	90	1.33	0.44	49.4%
592	10	0.21	25	0.31	0.10	47.6%
593	60	0.18	25	0.29	0.11	61.1%
594	60	0.20	90	0.32	0.12	60.0%

595	45	0.52	90	0.86	0.34	65.4%
596	10	0.21	25	0.31	0.10	47.6%
597	10	0.24	25	0.28	0.04	16.7%
598	10	0.45	25	0.52	0.07	15.6%
599	15	0.72	25	1.22	0.50	69.4%
600	10	0.24	25	0.35	0.11	45.8%
601	60	0.15	25	0.25	0.10	66.7%
602	10	0.49	25	0.63	0.14	28.6%
603	15	0.81	25	1.23	0.42	51.9%
604	10	2.25	25	3.10	0.85	37.8%
605	10	0.34	25	0.45	0.11	32.4%
606	10	0.19	25	0.22	0.03	15.8%
607	15	1.46	25	2.09	0.63	43.2%
608	10	0.66	25	0.76	0.10	15.2%
609	15	1.37	25	1.92	0.55	40.1%
610	15	0.74	25	0.99	0.25	33.8%
611	15	0.07	25	0.12	0.05	71.4%
612	10	2.47	120	3.32	0.85	34.4%
613	10	0.09	25	0.14	0.05	55.6%
614	15	0.49	90	0.73	0.24	49.0%
615	15	0.54	90	0.81	0.27	50.0%
616	10	0.12	25	0.17	0.05	41.7%
617	60	0.33	90	0.55	0.22	66.7%
618	10	0.52	25	0.56	0.04	7.7%
619	60	0.87	120	1.50	0.63	72.4%
620	60	1.13	120	1.83	0.70	61.9%
621	15	0.16	25	0.23	0.07	43.8%
622	60	0.26	120	0.45	0.19	73.1%
623	60	0.45	120	0.78	0.33	73.3%
624	60	0.47	90	0.83	0.36	76.6%
625	60	0.49	120	0.86	0.37	75.5%
626	60	1.47	120	2.57	1.10	74.8%
627	15	0.54	25	0.78	0.24	44.4%
628	10	0.33	25	0.42	0.09	27.3%
629	60	0.22	90	0.38	0.16	72.7%
630	60	0.10	90	0.17	0.07	70.0%
631	60	0.34	120	0.59	0.25	73.5%
632	10	0.27	25	0.43	0.16	59.3%
633	10	0.43	25	0.63	0.20	46.5%
634	10	0.65	90	0.90	0.25	38.5%
635	15	0.76	90	1.26	0.50	65.8%
636	10	0.44	25	0.61	0.17	38.6%
637	10	0.62	90	0.94	0.32	51.6%
638	10	0.46	90	0.64	0.18	39.1%
639	15	1.06	90	1.92	0.86	81.1%
640	10	0.50	90	0.70	0.20	40.0%
641	10	0.33	25	0.44	0.11	33.3%
642	15	0.86	25	1.18	0.32	37.2%
643	10	0.72	25	0.83	0.11	15.3%
644	10	1.92	25	2.18	0.26	13.5%

645	10	0.48	90	0.72	0.24	50.0%
646	10	1.42	120	2.08	0.66	46.5%
647	15	0.65	90	1.04	0.39	60.0%
648	10	0.21	25	0.31	0.10	47.6%
649	15	0.86	90	1.29	0.43	50.0%
650	15	1.18	90	1.89	0.71	60.2%
651	10	0.37	90	0.54	0.17	45.9%
652	10	0.36	25	0.52	0.16	44.4%
653	10	0.50	90	0.70	0.20	40.0%
654	15	0.63	90	0.91	0.28	44.4%
655	10	0.34	90	0.53	0.19	55.9%
656	10	0.17	25	0.28	0.11	64.7%
657	10	0.33	25	0.46	0.13	39.4%
658	10	0.14	25	0.21	0.07	50.0%
659	15	0.45	25	0.68	0.23	51.1%
660	10	0.27	25	0.39	0.12	44.4%
661	45	0.12	25	0.22	0.10	83.3%
662	15	0.89	90	1.32	0.43	48.3%
663	10	0.20	25	0.30	0.10	50.0%
664	15	2.66	90	3.61	0.95	35.7%
665	10	1.63	90	2.22	0.59	36.2%
666	60	10.43	120	16.39	5.96	57.1%
667	10	0.44	90	0.65	0.21	47.7%
668	10	0.20	25	0.33	0.13	65.0%
669	15	1.54	90	2.46	0.92	59.7%
670	15	1.43	90	2.33	0.90	62.9%
671	10	0.90	90	1.37	0.47	52.2%
672	60	2.55	90	4.30	1.75	68.6%
673	10	0.35	90	0.54	0.19	54.3%
674	10	0.17	25	0.25	0.08	47.1%
675	60	0.54	90	0.94	0.40	74.1%
676	10	0.34	90	0.54	0.20	58.8%
677	60	0.81	90	1.40	0.59	72.8%
678	60	1.12	90	1.86	0.74	66.1%
679	60	1.58	90	2.71	1.13	71.5%
680	60	0.59	90	0.99	0.40	67.8%
681	10	0.19	25	0.29	0.10	52.6%
682	15	0.47	90	0.75	0.28	59.6%
683	60	4.43	120	7.70	3.27	73.8%
684	60	0.28	90	0.48	0.20	71.4%
685	25	0.08	25	0.14	0.06	75.0%
686	15	0.08	25	0.13	0.05	62.5%
687	10	0.13	25	0.21	0.08	61.5%
688	15	0.58	25	0.90	0.32	55.2%
689	60	0.27	120	0.46	0.19	70.4%
690	60	0.32	90	0.57	0.25	78.1%
691	60	0.34	120	0.62	0.28	82.4%
692	45	0.08	25	0.14	0.06	75.0%
693	45	0.21	90	0.35	0.14	66.7%
694	15	1.41	90	2.37	0.96	68.1%

695	10	2.37	90	3.97	1.60	67.5%
696	60	5.25	120	8.05	2.80	53.3%
697	10	0.60	90	0.79	0.19	31.7%
698	10	0.64	90	0.83	0.19	29.7%
699	10	0.13	25	0.22	0.09	69.2%
700	10	0.88	90	1.23	0.35	39.8%
701	10	1.04	90	1.47	0.43	41.3%
702	15	0.88	90	1.26	0.38	43.2%
703	10	0.52	90	0.75	0.23	44.2%
704	10	0.12	25	0.19	0.07	58.3%
705	10	0.12	25	0.19	0.07	58.3%
706	10	0.17	90	0.29	0.12	70.6%
707	15	0.81	90	1.21	0.40	49.4%
708	60	8.18	120	12.00	3.82	46.7%
709	60	8.33	120	12.19	3.86	46.3%
710	60	8.39	120	12.27	3.88	46.2%
711	10	0.22	25	0.34	0.12	54.5%
712	10	0.35	25	0.48	0.13	37.1%
713	10	0.35	25	0.52	0.17	48.6%
714	15	0.53	90	0.75	0.22	41.5%
715	60	14.24	120	21.25	7.01	49.2%
716	10	0.33	90	0.52	0.19	57.6%
717	60	7.23	120	10.71	3.48	48.1%
718	10	0.92	90	1.24	0.32	34.8%
719	15	0.61	90	0.98	0.37	60.7%
720	10	0.27	90	0.44	0.17	63.0%
721	10	0.38	25	0.52	0.14	36.8%
722	10	0.29	25	0.45	0.16	55.2%
723	15	0.43	90	0.62	0.19	44.2%
724	60	0.35	90	0.61	0.26	74.3%
725	15	1.02	90	1.76	0.74	72.5%
726	60	0.33	90	0.59	0.26	78.8%
727	60	22.82	120	34.74	11.92	52.2%
728	45	0.13	25	0.23	0.10	76.9%
729	60	0.10	90	0.18	0.08	80.0%
730	10	0.12	25	0.19	0.07	58.3%
731	15	0.26	25	0.44	0.18	69.2%
732	15	1.09	90	1.68	0.59	54.1%
733	10	0.20	90	0.31	0.11	55.0%
734	45	0.11	25	0.20	0.09	81.8%
735	15	0.18	90	0.28	0.10	55.6%
736	60	0.99	120	1.67	0.68	68.7%
737	60	0.41	90	0.71	0.30	73.2%
738	60	0.45	90	0.78	0.33	73.3%
739	60	0.24	90	0.42	0.18	75.0%
740	60	0.73	90	1.24	0.51	69.9%
741	60	0.12	25	0.21	0.09	75.0%
742	60	0.28	90	0.47	0.19	67.9%
743	60	0.23	90	0.39	0.16	69.6%
744	60	0.35	90	0.61	0.26	74.3%

745	60	0.12	90	0.20	0.08	66.7%
746	45	0.23	90	0.38	0.15	65.2%
747	60	0.30	90	0.53	0.23	76.7%
748	60	0.40	90	0.71	0.31	77.5%
749	60	0.21	25	0.36	0.15	71.4%
750	60	0.18	90	0.30	0.12	66.7%
751	60	0.43	120	0.73	0.30	69.8%
752	60	33.34	120	51.42	18.08	54.2%
753	10	0.40	25	0.50	0.10	25.0%
754	10	0.99	25	1.17	0.18	18.2%
755	15	1.47	90	1.74	0.27	18.4%
756	60	0.05	90	0.09	0.04	80.0%
757	20	0.03	25	0.04	0.01	33.3%
758	10	1.88	120	2.43	0.55	29.3%
759	60	0.50	90	0.86	0.36	72.0%
760	60	0.31	90	0.53	0.22	71.0%
761	15	0.33	90	0.55	0.22	66.7%
762	10	0.65	90	1.03	0.38	58.5%
763	60	14.85	120	23.47	8.62	58.0%
764	10	0.24	25	0.39	0.15	62.5%
765	15	7.47	120	11.72	4.25	56.9%
766	60	1.13	120	1.87	0.74	65.5%
767	60	0.45	90	0.79	0.34	75.6%
768	25	0.17	25	0.29	0.12	70.6%
769	60	0.22	90	0.39	0.17	77.3%
770	10	0.18	25	0.31	0.13	72.2%
771	10	0.14	25	0.19	0.05	35.7%
772	15	0.41	25	0.64	0.23	56.1%
773	15	0.61	25	0.86	0.25	41.0%
774	10	0.29	25	0.32	0.03	10.3%
775	15	0.49	25	0.69	0.20	40.8%
776	10	0.46	25	0.55	0.09	19.6%
777	10	0.30	90	0.50	0.20	66.7%
778	10	0.64	90	1.01	0.37	57.8%
779	20	0.02	25	0.03	0.01	50.0%
780	60	0.45	90	0.77	0.32	71.1%
781	60	0.10	25	0.17	0.07	70.0%
782	45	0.07	25	0.12	0.05	71.4%
783	10	0.16	25	0.21	0.05	31.3%
784	10	0.14	25	0.16	0.02	14.3%
785	20	0.04	25	0.06	0.02	50.0%
786	15	0.31	25	0.43	0.12	38.7%
787	60	0.89	90	1.35	0.46	51.7%
788	20	0.06	25	0.09	0.03	50.0%
789	45	0.09	25	0.16	0.07	77.8%
790	10	0.29	25	0.36	0.07	24.1%
791	10	0.14	25	0.20	0.06	42.9%
792	10	0.24	25	0.34	0.10	41.7%
793	10	0.33	90	0.51	0.18	54.5%
794	60	0.15	90	0.27	0.12	80.0%

795	10	0.23	90	0.40	0.17	73.9%
796	60	0.19	90	0.33	0.14	73.7%
797	60	1.30	90	2.24	0.94	72.3%
798	60	0.26	90	0.46	0.20	76.9%
799	10	0.22	90	0.36	0.14	63.6%
800	10	0.45	90	0.65	0.20	44.4%
801	60	1.25	120	2.01	0.76	60.8%
802	45	0.05	25	0.09	0.04	80.0%
803	10	0.25	90	0.38	0.13	52.0%
804	15	6.62	120	10.30	3.68	55.6%
805	10	6.50	120	9.79	3.29	50.6%
806	10	3.50	90	5.40	1.90	54.3%
807	15	2.98	90	4.82	1.84	61.7%
808	10	0.52	25	0.76	0.24	46.2%
809	10	0.63	25	0.69	0.06	9.5%
810	60	1.18	120	2.04	0.86	72.9%
811	60	0.90	90	1.56	0.66	73.3%
812	60	0.22	90	0.38	0.16	72.7%
813	60	0.90	90	1.37	0.47	52.2%
814	45	14.37	90	19.28	4.91	34.2%
815	45	14.99	120	20.41	5.42	36.2%
816	45	0.08	25	0.15	0.07	87.5%
817	10	0.24	90	0.38	0.14	58.3%
818	360	122.04	120	175.22	53.18	43.6%
819	1440	0.06	1440	0.07	0.01	16.7%
820	60	0.81	90	1.37	0.56	69.1%
821	360	121.95	120	174.85	52.90	43.4%
822	60	33.95	120	52.38	18.43	54.3%
823	60	0.60	120	1.09	0.49	81.7%
824	60	0.44	90	0.80	0.36	81.8%
825	25	0.05	25	0.09	0.04	80.0%
826	10	0.47	25	0.54	0.07	14.9%
827	10	0.59	25	0.77	0.18	30.5%
828	10	0.68	25	0.90	0.22	32.4%
829	15	1.60	25	1.97	0.37	23.1%
830	10	0.66	25	0.98	0.32	48.5%
831	10	0.29	25	0.46	0.17	58.6%
832	15	0.39	25	0.64	0.25	64.1%
833	10	0.23	25	0.34	0.11	47.8%
834	10	0.30	25	0.46	0.16	53.3%
835	10	0.09	25	0.12	0.03	33.3%
836	60	1.25	90	2.24	0.99	79.2%
837	10	0.54	90	0.78	0.24	44.4%
838	10	0.19	25	0.30	0.11	57.9%
839	60	0.76	90	1.23	0.47	61.8%
840	10	0.22	25	0.33	0.11	50.0%
841	15	0.65	25	1.01	0.36	55.4%
842	10	0.11	25	0.16	0.05	45.5%
843	15	1.11	90	1.88	0.77	69.4%
844	15	1.38	90	2.23	0.85	61.6%

845	60	2.12	120	3.59	1.47	69.3%
846	10	0.35	90	0.52	0.17	48.6%
847	10	0.77	90	1.25	0.48	62.3%
848	10	0.38	90	0.56	0.18	47.4%
849	15	0.42	90	0.73	0.31	73.8%
850	10	0.24	90	0.37	0.13	54.2%
851	15	1.49	90	2.29	0.80	53.7%
852	10	0.82	90	1.13	0.31	37.8%
853	15	1.06	90	1.55	0.49	46.2%
854	15	0.80	90	1.36	0.56	70.0%
855	15	0.19	25	0.30	0.11	57.9%
856	10	0.26	25	0.36	0.10	38.5%
857	20	0.03	25	0.04	0.01	33.3%
858	10	0.10	25	0.15	0.05	50.0%
859	10	0.23	25	0.37	0.14	60.9%
860	10	0.41	90	0.60	0.19	46.3%
861	10	0.27	25	0.40	0.13	48.1%
862	10	0.47	25	0.67	0.20	42.6%
863	10	0.48	90	0.69	0.21	43.8%
864	15	1.98	90	2.99	1.01	51.0%
865	10	2.24	90	3.44	1.20	53.6%
866	10	2.45	90	3.69	1.24	50.6%
867	10	0.52	90	0.78	0.26	50.0%
868	10	0.38	90	0.58	0.20	52.6%
869	10	0.19	90	0.30	0.11	57.9%
870	10	1.55	120	2.32	0.77	49.7%
871	45	0.05	25	0.10	0.05	100.0%
872	10	1.20	120	1.85	0.65	54.2%
873	10	0.54	90	0.82	0.28	51.9%
874	60	4.32	120	6.48	2.16	50.0%
875	60	4.40	120	6.59	2.19	49.8%
876	60	4.56	120	6.76	2.20	48.2%
877	10	0.82	120	1.19	0.37	45.1%
878	10	0.27	25	0.40	0.13	48.1%
879	60	7.13	120	9.99	2.86	40.1%
880	15	0.36	25	0.56	0.20	55.6%
881	45	0.12	25	0.21	0.09	75.0%
882	60	1.80	90	2.76	0.96	53.3%
883	60	1.74	90	2.65	0.91	52.3%
884	60	8.93	120	14.06	5.13	57.4%
885	60	6.04	120	9.54	3.50	57.9%
886	10	0.47	90	0.65	0.18	38.3%
887	10	0.35	90	0.48	0.13	37.1%
888	10	0.44	90	0.65	0.21	47.7%
889	60	0.18	90	0.32	0.14	77.8%
890	10	0.39	90	0.58	0.19	48.7%
891	10	0.62	90	0.86	0.24	38.7%
892	10	2.14	90	3.09	0.95	44.4%
893	15	0.49	90	0.82	0.33	67.3%
894	15	0.62	90	0.90	0.28	45.2%

895	10	0.45	90	0.62	0.17	37.8%
896	10	2.82	90	4.21	1.39	49.3%
897	10	0.59	90	0.92	0.33	55.9%
898	10	0.48	90	0.70	0.22	45.8%
899	25	0.08	25	0.14	0.06	75.0%
900	10	0.42	25	0.62	0.20	47.6%
901	10	0.44	90	0.62	0.18	40.9%
902	15	0.51	90	0.75	0.24	47.1%
903	10	0.35	90	0.53	0.18	51.4%
904	60	5.96	120	9.43	3.47	58.2%
905	10	0.28	25	0.42	0.14	50.0%
906	15	0.56	90	0.91	0.35	62.5%
907	60	2.63	120	4.13	1.50	57.0%
908	60	1.62	90	2.53	0.91	56.2%
909	60	2.09	90	3.30	1.21	57.9%
910	60	0.42	90	0.72	0.30	71.4%
911	10	0.20	25	0.33	0.13	65.0%
912	60	3.86	120	5.92	2.06	53.4%
913	45	0.22	25	0.39	0.17	77.3%
914	45	0.13	25	0.23	0.10	76.9%
915	10	0.38	25	0.59	0.21	55.3%
916	45	0.80	90	1.32	0.52	65.0%
917	15	2.91	25	3.69	0.78	26.8%
918	10	1.89	25	2.11	0.22	11.6%
919	10	0.40	25	0.51	0.11	27.5%
920	15	0.68	25	0.97	0.29	42.6%
921	10	1.09	120	1.62	0.53	48.6%
922	10	1.48	90	2.30	0.82	55.4%
923	10	0.62	90	0.97	0.35	56.5%
924	10	0.59	90	0.85	0.26	44.1%
925	10	2.45	90	3.91	1.46	59.6%
926	15	0.37	25	0.63	0.26	70.3%
927	10	0.68	25	0.93	0.25	36.8%
928	10	0.26	25	0.33	0.07	26.9%
929	10	0.44	90	0.64	0.20	45.5%
930	10	0.17	25	0.27	0.10	58.8%
931	15	1.28	90	1.95	0.67	52.3%
932	10	0.63	90	0.88	0.25	39.7%
933	10	0.57	90	0.87	0.30	52.6%
934	10	0.55	90	0.79	0.24	43.6%
935	15	1.25	90	1.97	0.72	57.6%
Average Differences (All Subcatchments)						**54.06%**
Average Differences (Focus Locations)						**53.47%**

ARR1987 Sensitivity Results for the 1% AEP Event

Subcatch ID	ARR2016 Results		ARR1987 Results		Difference	
	Critical Duration	Discharge (m^3/s)	Critical Duration	Discharge (m^3/s)	(m^3/s)	(%)
1	60	228.23	120	290.71	62.48	27.4%
2	25	1.89	90	2.49	0.60	31.7%
3	25	1.84	90	2.28	0.44	23.9%
4	30	3.57	120	4.65	1.08	30.3%
5	45	4.11	90	5.12	1.01	24.6%
6	45	10.50	120	13.82	3.32	31.6%
7	45	13.13	120	16.20	3.07	23.4%
8	45	13.23	120	16.71	3.48	26.3%
9	20	2.00	90	2.33	0.33	16.5%
10	45	17.05	120	21.52	4.47	26.2%
11	25	1.84	90	2.26	0.42	22.8%
12	45	6.92	90	8.71	1.79	25.9%
13	45	1.25	120	1.62	0.37	29.6%
14	45	1.67	120	2.17	0.50	29.9%
15	45	3.89	120	5.02	1.13	29.0%
16	45	26.66	120	33.65	6.99	26.2%
17	20	1.68	90	1.94	0.26	15.5%
18	20	5.91	120	7.27	1.36	23.0%
19	45	2.17	120	2.70	0.53	24.4%
20	45	9.42	120	11.71	2.29	24.3%
21	60	11.12	60	13.72	2.60	23.4%
22	45	29.26	120	36.72	7.46	25.5%
23	45	2.75	90	3.65	0.90	32.7%
24	45	11.60	120	14.46	2.86	24.7%
25	45	13.46	120	17.47	4.01	29.8%
26	45	20.19	120	24.91	4.72	23.4%
27	20	2.47	90	2.95	0.48	19.4%
28	20	2.18	90	2.69	0.51	23.4%
29	30	9.17	90	10.70	1.53	16.7%
30	30	2.34	90	3.13	0.79	33.8%
31	60	41.88	120	50.20	8.32	19.9%
32	20	2.47	90	2.78	0.31	12.6%
33	30	11.57	120	13.76	2.19	18.9%
34	60	20.30	120	30.50	10.20	50.2%
35	45	2.23	120	2.94	0.71	31.8%
36	45	8.11	120	10.28	2.17	26.8%
37	30	3.58	90	4.65	1.07	29.9%
38	45	4.39	90	5.40	1.01	23.0%
39	45	10.83	120	13.71	2.88	26.6%
40	60	42.78	120	51.73	8.95	20.9%
41	20	1.83	90	2.20	0.37	20.2%
42	60	45.77	120	58.61	12.84	28.1%
43	20	2.85	90	3.38	0.53	18.6%
44	60	20.31	120	30.57	10.26	50.5%

45	45	1.72	90	2.30	0.58	33.7%
46	60	46.11	120	59.32	13.21	28.6%
47	45	1.56	90	1.86	0.30	19.2%
48	30	2.51	90	3.37	0.86	34.3%
49	25	1.67	90	2.17	0.50	29.9%
50	45	5.29	90	6.89	1.60	30.2%
51	20	2.59	90	2.87	0.28	10.8%
52	20	4.75	90	6.22	1.47	30.9%
53	20	4.76	90	5.98	1.22	25.6%
54	60	47.20	120	61.03	13.83	29.3%
55	20	2.76	90	3.07	0.31	11.2%
56	20	8.26	90	9.76	1.50	18.2%
57	20	11.42	90	13.35	1.93	16.9%
58	60	20.17	120	30.74	10.57	52.4%
59	10	4.23	90	4.60	0.37	8.7%
60	120	23.21	120	33.87	10.66	45.9%
61	45	5.75	90	7.09	1.34	23.3%
62	45	8.96	120	11.19	2.23	24.9%
63	45	2.72	90	3.26	0.54	19.9%
64	45	16.01	120	20.24	4.23	26.4%
65	30	1.29	90	1.72	0.43	33.3%
66	60	48.25	120	63.17	14.92	30.9%
67	25	1.55	90	1.97	0.42	27.1%
68	30	2.03	90	2.79	0.76	37.4%
69	45	19.39	120	24.47	5.08	26.2%
70	60	48.43	120	63.63	15.20	31.4%
71	20	2.18	90	2.63	0.45	20.6%
72	60	62.77	120	76.15	13.38	21.3%
73	25	3.00	90	4.06	1.06	35.3%
74	45	18.08	120	22.39	4.31	23.8%
75	20	2.07	90	2.28	0.21	10.1%
76	10	7.24	120	8.14	0.90	12.4%
77	20	9.43	90	11.04	1.61	17.1%
78	90	25.86	120	35.74	9.88	38.2%
79	20	2.77	90	3.16	0.39	14.1%
80	60	63.25	120	77.52	14.27	22.6%
81	20	2.30	90	2.69	0.39	17.0%
82	45	32.29	120	38.66	6.37	19.7%
83	60	1.23	120	1.32	0.09	7.3%
84	30	4.56	120	5.50	0.94	20.6%
85	25	1.97	90	2.54	0.57	28.9%
86	45	3.72	90	5.04	1.32	35.5%
87	20	1.97	90	2.24	0.27	13.7%
88	60	64.07	120	79.05	14.98	23.4%
89	25	1.63	90	2.17	0.54	33.1%
90	60	62.24	120	77.93	15.69	25.2%
91	20	2.01	90	2.34	0.33	16.4%
92	45	6.54	120	7.93	1.39	21.3%
93	60	4.73	90	6.47	1.74	36.8%
94	60	62.30	120	78.33	16.03	25.7%

95	20	2.48	90	2.76	0.28	11.3%
96	20	2.78	90	3.09	0.31	11.2%
97	20	2.74	90	3.19	0.45	16.4%
98	60	23.63	120	25.90	2.27	9.6%
99	20	2.56	90	2.94	0.38	14.8%
100	60	64.12	120	81.57	17.45	27.2%
101	20	2.43	90	2.61	0.18	7.4%
102	45	9.58	120	11.51	1.93	20.1%
103	10	5.83	90	6.36	0.53	9.1%
104	10	6.88	90	7.69	0.81	11.8%
105	20	2.04	90	2.30	0.26	12.7%
106	20	0.00	25	0.01	0.01	0.0%
107	20	2.93	90	3.15	0.22	7.5%
108	60	10.79	120	12.39	1.60	14.8%
109	20	2.16	90	2.59	0.43	19.9%
110	10	0.00	90	0.00	0.00	0.0%
111	20	2.60	90	3.16	0.56	21.5%
112	60	64.18	120	82.99	18.81	29.3%
113	45	2.27	120	2.94	0.67	29.5%
114	25	3.07	90	3.85	0.78	25.4%
115	20	2.20	90	2.76	0.56	25.5%
116	20	16.48	120	20.33	3.85	23.4%
117	45	30.19	60	32.58	2.39	7.9%
118	60	64.22	120	83.64	19.42	30.2%
119	20	3.27	120	3.86	0.59	18.0%
120	45	7.25	120	8.98	1.73	23.9%
121	30	13.33	120	15.41	2.08	15.6%
122	60	12.59	120	14.75	2.16	17.2%
123	20	18.57	120	23.51	4.94	26.6%
124	10	0.01	15	0.01	0.00	0.0%
125	20	3.29	90	3.79	0.50	15.2%
126	60	87.69	120	110.73	23.04	26.3%
127	20	4.34	90	5.57	1.23	28.3%
128	45	9.90	120	12.48	2.58	26.1%
129	25	3.66	120	4.66	1.00	27.3%
130	120	91.63	120	117.09	25.46	27.8%
131	20	6.94	90	8.44	1.50	21.6%
132	60	20.90	120	24.55	3.65	17.5%
133	20	5.75	90	6.41	0.66	11.5%
134	60	23.93	120	29.16	5.23	21.9%
135	20	3.51	90	4.07	0.56	16.0%
136	25	3.25	90	4.07	0.82	25.2%
137	20	2.30	120	2.64	0.34	14.8%
138	60	27.48	120	32.31	4.83	17.6%
139	45	20.61	120	25.84	5.23	25.4%
140	20	1.89	90	2.12	0.23	12.2%
141	60	28.75	120	33.36	4.61	16.0%
142	20	1.21	25	1.36	0.15	12.4%
143	60	28.20	120	34.87	6.67	23.7%
144	60	29.33	60	35.86	6.53	22.3%

145	120	91.73	120	118.70	26.97	29.4%
146	20	5.29	90	6.40	1.11	21.0%
147	20	5.69	90	6.33	0.64	11.2%
148	20	1.89	120	2.26	0.37	19.6%
149	20	4.12	90	5.11	0.99	24.0%
150	20	6.90	120	8.19	1.29	18.7%
151	20	11.26	90	13.48	2.22	19.7%
152	20	1.87	90	2.04	0.17	9.1%
153	360	4.81	540	5.21	0.40	8.3%
154	10	7.10	120	7.32	0.22	3.1%
155	120	118.16	120	144.40	26.24	22.2%
156	10	2.52	25	2.67	0.15	6.0%
157	10	4.56	20	4.70	0.14	3.1%
158	30	2.67	120	3.29	0.62	23.2%
159	120	119.07	120	145.70	26.63	22.4%
160	20	4.45	90	4.88	0.43	9.7%
161	25	4.95	120	6.28	1.33	26.9%
162	20	18.38	90	22.43	4.05	22.0%
163	120	119.61	120	146.29	26.68	22.3%
164	20	2.52	25	2.89	0.37	14.7%
165	25	16.52	120	20.08	3.56	21.5%
166	25	10.94	120	13.58	2.64	24.1%
167	25	16.31	120	19.58	3.27	20.0%
168	20	2.02	90	2.45	0.43	21.3%
169	20	2.53	90	2.75	0.22	8.7%
170	20	4.41	90	4.99	0.58	13.2%
171	25	18.62	120	22.59	3.97	21.3%
172	45	2.89	120	3.60	0.71	24.6%
173	25	3.89	120	4.90	1.01	26.0%
174	120	127.28	120	151.80	24.52	19.3%
175	45	7.39	120	9.45	2.06	27.9%
176	30	2.01	90	2.68	0.67	33.3%
177	45	2.88	120	3.69	0.81	28.1%
178	45	4.99	120	6.33	1.34	26.9%
179	20	6.86	90	7.88	1.02	14.9%
180	20	2.05	90	2.40	0.35	17.1%
181	120	128.85	120	153.83	24.98	19.4%
182	20	2.37	90	2.78	0.41	17.3%
183	30	6.02	120	7.29	1.27	21.1%
184	20	1.41	25	1.59	0.18	12.8%
185	25	9.68	120	12.64	2.96	30.6%
186	25	2.34	120	2.96	0.62	26.5%
187	45	2.62	120	3.33	0.71	27.1%
188	30	2.36	120	2.77	0.41	17.4%
189	45	5.31	120	6.77	1.46	27.5%
190	20	1.97	120	2.40	0.43	21.8%
191	120	128.95	120	154.09	25.14	19.5%
192	45	13.13	120	16.32	3.19	24.3%
193	45	23.79	120	28.36	4.57	19.2%
194	25	2.19	120	2.61	0.42	19.2%

195	15	9.89	120	10.97	1.08	10.9%
196	25	2.33	120	2.86	0.53	22.7%
197	45	37.88	120	45.66	7.78	20.5%
198	25	12.45	120	13.99	1.54	12.4%
199	120	129.06	120	154.43	25.37	19.7%
200	25	1.75	120	2.14	0.39	22.3%
201	45	39.28	120	47.35	8.07	20.5%
202	45	12.54	120	15.87	3.33	26.6%
203	45	39.82	120	48.20	8.38	21.0%
204	45	11.87	60	14.39	2.52	21.2%
205	120	129.82	120	156.46	26.64	20.5%
206	25	1.94	90	2.41	0.47	24.2%
207	45	52.25	120	63.68	11.43	21.9%
208	45	2.63	120	3.25	0.62	23.6%
209	120	134.90	720	163.74	28.84	21.4%
210	20	2.02	90	2.21	0.19	9.4%
211	120	135.12	720	164.79	29.67	22.0%
212	10	3.06	120	3.42	0.36	11.8%
213	45	54.27	120	66.72	12.45	22.9%
214	20	3.97	25	4.59	0.62	15.6%
215	120	135.16	720	165.40	30.24	22.4%
216	45	54.38	120	67.96	13.58	25.0%
217	720	139.15	720	167.54	28.39	20.4%
218	1440	0.25	1440	0.29	0.04	16.0%
219	20	3.91	25	4.45	0.54	13.8%
220	20	2.02	90	2.35	0.33	16.3%
221	20	3.29	90	3.97	0.68	20.7%
222	20	8.39	120	11.19	2.80	33.4%
223	20	8.11	90	10.16	2.05	25.3%
224	20	3.24	90	3.79	0.55	17.0%
225	20	3.70	90	4.50	0.80	21.6%
226	20	2.68	90	3.09	0.41	15.3%
227	20	6.92	90	8.17	1.25	18.1%
228	20	1.80	90	2.09	0.29	16.1%
229	20	9.28	90	10.80	1.52	16.4%
230	20	3.97	120	5.10	1.13	28.5%
231	45	19.03	90	24.46	5.43	28.5%
232	25	2.03	90	2.54	0.51	25.1%
233	30	33.41	120	39.18	5.77	17.3%
234	360	0.65	720	0.72	0.07	10.8%
235	45	187.71	120	230.58	42.87	22.8%
236	20	1.30	90	1.52	0.22	16.9%
237	45	33.98	60	41.37	7.39	21.7%
238	45	4.19	120	5.32	1.13	27.0%
239	360	0.65	720	0.72	0.07	10.8%
240	10	2.81	25	2.68	-0.13	-4.6%
241	45	22.54	120	29.66	7.12	31.6%
242	30	12.81	120	15.29	2.48	19.4%
243	45	23.70	120	31.21	7.51	31.7%
244	20	2.81	90	3.40	0.59	21.0%

245	45	188.38	120	233.07	44.69	23.7%
246	10	2.44	90	2.45	0.01	0.4%
247	10	4.55	25	4.18	-0.37	-8.1%
248	20	2.34	90	2.61	0.27	11.5%
249	10	8.81	90	8.33	-0.48	-5.4%
250	45	35.10	120	43.68	8.58	24.4%
251	45	188.46	120	234.04	45.58	24.2%
252	10	5.21	25	4.82	-0.39	-7.5%
253	15	15.00	120	19.65	4.65	31.0%
254	30	3.19	120	3.86	0.67	21.0%
255	60	217.18	120	270.99	53.81	24.8%
256	10	11.54	90	11.36	-0.18	-1.6%
257	25	15.83	120	21.66	5.83	36.8%
258	45	22.27	120	25.97	3.70	16.6%
259	60	217.80	120	272.87	55.07	25.3%
260	20	4.79	90	5.59	0.80	16.7%
261	20	5.46	90	7.20	1.74	31.9%
262	25	10.27	120	13.30	3.03	29.5%
263	60	226.32	120	286.81	60.49	26.7%
264	20	1.91	90	2.40	0.49	25.7%
265	45	3.62	90	4.68	1.06	29.3%
266	25	2.24	90	2.88	0.64	28.6%
267	45	5.61	120	7.13	1.52	27.1%
268	25	1.81	120	2.25	0.44	24.3%
269	30	3.39	120	4.44	1.05	31.0%
270	25	2.02	90	2.60	0.58	28.7%
271	45	8.03	120	10.52	2.49	31.0%
272	45	4.11	120	5.28	1.17	28.5%
273	45	5.29	90	6.59	1.30	24.6%
274	25	2.08	120	2.58	0.50	24.0%
275	45	7.99	120	10.14	2.15	26.9%
276	20	0.91	25	0.94	0.03	3.3%
277	45	10.04	120	12.78	2.74	27.3%
278	45	5.98	120	7.57	1.59	26.6%
279	45	10.92	120	13.77	2.85	26.1%
280	45	2.77	120	3.60	0.83	30.0%
281	45	10.10	120	12.62	2.52	25.0%
282	25	3.26	90	4.29	1.03	31.6%
283	45	8.08	120	10.33	2.25	27.8%
284	45	4.52	120	5.85	1.33	29.4%
285	25	1.81	90	2.27	0.46	25.4%
286	45	9.82	120	12.91	3.09	31.5%
287	45	9.94	120	12.26	2.32	23.3%
288	45	26.62	120	33.53	6.91	26.0%
289	45	3.41	120	4.39	0.98	28.7%
290	45	2.25	120	2.85	0.60	26.7%
291	45	3.34	120	4.35	1.01	30.2%
292	45	29.26	120	36.70	7.44	25.4%
293	60	10.81	60	13.45	2.64	24.4%
294	45	19.54	120	24.11	4.57	23.4%

295	60	20.30	120	30.54	10.24	50.4%
296	45	25.70	60	27.32	1.62	6.3%
297	45	27.39	60	29.38	1.99	7.3%
298	20	15.30	90	18.47	3.17	20.7%
299	60	1.23	120	1.31	0.08	6.5%
300	25	3.43	90	4.53	1.10	32.1%
301	30	6.91	120	8.44	1.53	22.1%
302	45	16.04	120	20.28	4.24	26.4%
303	30	6.03	120	6.93	0.90	14.9%
304	25	3.94	120	4.98	1.04	26.4%
305	30	12.35	120	14.14	1.79	14.5%
306	45	8.74	120	10.97	2.23	25.5%
307	1440	0.09	1440	0.10	0.01	11.1%
308	45	23.56	120	30.68	7.12	30.2%
309	30	12.69	120	14.98	2.29	18.0%
310	60	217.72	120	272.64	54.92	25.2%
311	30	21.50	120	25.19	3.69	17.2%
312	20	4.60	90	5.33	0.73	15.9%
313	20	3.96	90	4.99	1.03	26.0%
314	45	18.88	90	23.98	5.10	27.0%
315	20	7.35	90	8.90	1.55	21.1%
316	20	5.09	120	6.56	1.47	28.9%
317	30	23.54	120	27.97	4.43	18.8%
318	45	13.05	120	16.24	3.19	24.4%
319	360	4.76	720	5.67	0.91	19.1%
320	360	4.31	720	5.02	0.71	16.5%
321	360	4.27	540	4.55	0.28	6.6%
322	360	4.22	540	4.51	0.29	6.9%
323	360	3.66	180	3.95	0.29	7.9%
324	360	3.64	180	3.94	0.30	8.2%
325	45	20.58	120	25.80	5.22	25.4%
326	45	17.06	120	21.65	4.59	26.9%
327	20	3.42	90	3.95	0.53	15.5%
328	20	2.91	90	3.65	0.74	25.4%
329	25	0.88	90	1.10	0.22	25.0%
330	45	10.96	120	13.50	2.54	23.2%
331	10	9.24	120	9.96	0.72	7.8%
332	20	6.05	90	6.75	0.70	11.6%
333	20	1.98	90	2.28	0.30	15.2%
334	45	14.84	120	18.88	4.04	27.2%
335	20	2.00	90	2.38	0.38	19.0%
336	20	4.00	90	4.65	0.65	16.3%
337	20	2.58	90	2.80	0.22	8.5%
338	20	2.77	90	3.34	0.57	20.6%
339	20	4.77	90	5.49	0.72	15.1%
340	20	4.23	90	5.44	1.21	28.6%
341	25	2.02	90	2.73	0.71	35.1%
342	120	21.12	120	31.79	10.67	50.5%
343	20	15.75	90	19.05	3.30	21.0%
344	25	5.33	90	6.86	1.53	28.7%

345	20	1.52	90	1.89	0.37	24.3%
346	20	1.34	90	1.57	0.23	17.2%
347	20	1.94	90	2.22	0.28	14.4%
348	45	11.55	120	14.66	3.11	26.9%
349	45	11.99	120	15.08	3.09	25.8%
350	20	3.32	90	4.02	0.70	21.1%
351	45	52.69	120	64.57	11.88	22.5%
352	20	5.00	25	5.60	0.60	12.0%
353	20	5.99	25	6.37	0.38	6.3%
354	25	1.68	120	2.02	0.34	20.2%
355	45	34.35	60	42.33	7.98	23.2%
356	45	34.82	60	43.09	8.27	23.8%
357	20	1.81	90	2.22	0.41	22.7%
358	15	14.58	120	18.67	4.09	28.1%
359	10	13.23	90	16.04	2.81	21.2%
360	15	14.96	120	19.15	4.19	28.0%
361	45	9.33	120	11.08	1.75	18.8%
362	20	2.58	90	3.10	0.52	20.2%
363	20	1.75	90	2.10	0.35	20.0%
364	20	1.76	90	2.09	0.33	18.8%
365	20	2.09	90	2.58	0.49	23.4%
366	20	2.03	90	2.29	0.26	12.8%
367	360	5.91	540	6.71	0.80	13.5%
368	20	1.85	25	1.97	0.12	6.5%
369	25	4.64	90	5.98	1.34	28.9%
370	20	2.88	90	3.51	0.63	21.9%
371	20	2.06	90	2.48	0.42	20.4%
372	20	1.89	90	2.21	0.32	16.9%
373	20	4.11	90	4.55	0.44	10.7%
374	20	1.39	25	1.55	0.16	11.5%
375	30	3.89	120	4.92	1.03	26.5%
376	25	2.93	90	3.75	0.82	28.0%
377	20	18.47	120	23.16	4.69	25.4%
378	120	117.99	120	144.12	26.13	22.1%
379	20	0.99	90	1.12	0.13	13.1%
380	20	7.57	90	8.83	1.26	16.6%
381	25	1.38	90	1.81	0.43	31.2%
382	25	2.01	90	2.53	0.52	25.9%
383	20	0.46	25	0.54	0.08	17.4%
384	30	22.07	120	26.22	4.15	18.8%
385	45	52.25	120	63.66	11.41	21.8%
386	30	3.32	90	4.52	1.20	36.1%
387	45	1.85	90	2.49	0.64	34.6%
388	45	7.96	120	10.08	2.12	26.6%
389	60	64.17	120	82.61	18.44	28.7%
390	20	0.46	25	0.52	0.06	13.0%
391	25	2.72	90	3.32	0.60	22.1%
392	20	0.97	90	1.21	0.24	24.7%
393	20	0.49	90	0.59	0.10	20.4%
394	20	1.84	90	2.41	0.57	31.0%

395	20	2.86	90	3.09	0.23	8.0%
396	20	1.62	90	1.90	0.28	17.3%
397	45	22.49	120	29.52	7.03	31.3%
398	20	0.53	25	0.60	0.07	13.2%
399	20	0.27	25	0.28	0.01	3.7%
400	360	0.47	540	0.56	0.09	19.1%
401	25	3.38	90	4.50	1.12	33.1%
402	20	2.26	90	2.50	0.24	10.6%
403	20	1.64	90	1.86	0.22	13.4%
404	25	10.39	120	12.70	2.31	22.2%
405	20	4.52	90	5.26	0.74	16.4%
406	20	3.42	90	3.76	0.34	9.9%
407	60	64.17	120	82.50	18.33	28.6%
408	60	12.52	120	14.57	2.05	16.4%
409	60	12.58	120	14.73	2.15	17.1%
410	60	21.01	120	24.64	3.63	17.3%
411	30	2.11	90	2.92	0.81	38.4%
412	30	2.82	90	3.72	0.90	31.9%
413	25	2.56	90	3.48	0.92	35.9%
414	20	4.14	90	4.85	0.71	17.1%
415	20	4.18	90	5.10	0.92	22.0%
416	20	1.15	90	1.31	0.16	13.9%
417	20	1.36	25	1.54	0.18	13.2%
418	25	2.44	120	3.06	0.62	25.4%
419	45	8.53	120	11.02	2.49	29.2%
420	60	29.12	60	35.66	6.54	22.5%
421	20	1.06	90	1.19	0.13	12.3%
422	10	11.06	90	12.87	1.81	16.4%
423	20	5.17	90	6.40	1.23	23.8%
424	20	4.19	90	5.15	0.96	22.9%
425	10	1.11	25	1.04	-0.07	-6.3%
426	25	1.22	90	1.56	0.34	27.9%
427	20	1.93	90	2.33	0.40	20.7%
428	20	2.22	90	2.45	0.23	10.4%
429	45	34.72	120	42.88	8.16	23.5%
430	20	0.63	25	0.65	0.02	3.2%
431	20	1.68	90	1.87	0.19	11.3%
432	20	1.16	25	1.28	0.12	10.3%
433	20	2.45	25	2.57	0.12	4.9%
434	20	1.71	90	2.00	0.29	17.0%
435	20	0.90	25	0.95	0.05	5.6%
436	45	9.02	120	10.80	1.78	19.7%
437	45	8.06	120	9.68	1.62	20.1%
438	45	7.76	120	9.30	1.54	19.8%
439	45	7.63	120	9.15	1.52	19.9%
440	45	6.52	120	7.91	1.39	21.3%
441	45	6.40	120	7.80	1.40	21.9%
442	45	6.05	120	7.40	1.35	22.3%
443	45	9.53	120	11.42	1.89	19.8%
444	45	9.58	120	11.51	1.93	20.1%

445	25	0.80	90	1.00	0.20	25.0%
446	20	0.52	90	0.63	0.11	21.2%
447	25	2.22	90	2.83	0.61	27.5%
448	25	1.39	90	1.83	0.44	31.7%
449	25	1.21	90	1.49	0.28	23.1%
450	20	0.12	15	0.13	0.01	8.3%
451	20	0.55	25	0.57	0.02	3.6%
452	20	0.32	25	0.33	0.01	3.1%
453	45	4.04	90	4.72	0.68	16.8%
454	20	0.86	90	1.00	0.14	16.3%
455	45	3.68	90	4.88	1.20	32.6%
456	25	0.16	120	0.20	0.04	25.0%
457	20	0.88	90	1.06	0.18	20.5%
458	20	0.36	25	0.38	0.02	5.6%
459	20	1.11	25	1.18	0.07	6.3%
460	20	1.75	25	1.98	0.23	13.1%
461	20	2.39	90	2.56	0.17	7.1%
462	20	1.03	90	1.31	0.28	27.2%
463	20	0.43	25	0.50	0.07	16.3%
464	20	0.60	25	0.67	0.07	11.7%
465	20	0.21	25	0.22	0.01	4.8%
466	25	0.59	90	0.73	0.14	23.7%
467	25	2.38	90	3.00	0.62	26.1%
468	20	1.72	90	1.94	0.22	12.8%
469	20	1.04	25	1.18	0.14	13.5%
470	20	0.62	25	0.72	0.10	16.1%
471	20	0.54	25	0.58	0.04	7.4%
472	20	0.41	25	0.43	0.02	4.9%
473	20	0.66	25	0.70	0.04	6.1%
474	20	2.20	90	2.59	0.39	17.7%
475	20	1.88	90	2.20	0.32	17.0%
476	20	0.22	25	0.23	0.01	4.5%
477	20	0.28	25	0.31	0.03	10.7%
478	20	0.59	25	0.68	0.09	15.3%
479	20	1.00	90	1.07	0.07	7.0%
480	20	2.29	90	2.57	0.28	12.2%
481	20	2.56	90	2.93	0.37	14.5%
482	20	0.06	25	0.07	0.01	16.7%
483	20	0.20	90	0.25	0.05	25.0%
484	25	0.41	90	0.51	0.10	24.4%
485	20	1.07	90	1.21	0.14	13.1%
486	20	1.17	90	1.27	0.10	8.5%
487	20	0.22	25	0.23	0.01	4.5%
488	20	0.29	25	0.30	0.01	3.4%
489	20	2.17	90	2.73	0.56	25.8%
490	20	0.10	25	0.11	0.01	10.0%
491	20	0.34	90	0.41	0.07	20.6%
492	25	0.69	120	0.88	0.19	27.5%
493	20	0.14	25	0.14	0.00	0.0%
494	20	0.24	25	0.28	0.04	16.7%

495	20	0.34	25	0.36	0.02	5.9%
496	20	0.42	25	0.44	0.02	4.8%
497	20	0.85	90	1.10	0.25	29.4%
498	25	0.44	90	0.57	0.13	29.5%
499	20	0.42	25	0.50	0.08	19.0%
500	20	0.51	25	0.53	0.02	3.9%
501	20	0.53	25	0.61	0.08	15.1%
502	20	18.57	120	23.48	4.91	26.4%
503	20	0.70	90	0.82	0.12	17.1%
504	20	0.97	90	1.15	0.18	18.6%
505	20	0.38	90	0.45	0.07	18.4%
506	20	0.33	25	0.35	0.02	6.1%
507	25	0.49	90	0.61	0.12	24.5%
508	20	0.26	90	0.30	0.04	15.4%
509	25	0.76	90	0.95	0.19	25.0%
510	20	2.76	90	3.22	0.46	16.7%
511	20	3.33	90	4.03	0.70	21.0%
512	20	3.50	120	4.23	0.73	20.9%
513	20	1.81	90	2.20	0.39	21.5%
514	20	0.66	25	0.75	0.09	13.6%
515	20	0.83	90	0.97	0.14	16.9%
516	20	0.35	25	0.37	0.02	5.7%
517	20	0.38	25	0.43	0.05	13.2%
518	25	0.95	90	1.23	0.28	29.5%
519	20	1.03	90	1.25	0.22	21.4%
520	25	1.47	90	1.81	0.34	23.1%
521	20	0.36	90	0.44	0.08	22.2%
522	20	0.44	90	0.53	0.09	20.5%
523	20	0.50	25	0.59	0.09	18.0%
524	25	0.68	120	0.83	0.15	22.1%
525	10	2.29	25	2.11	-0.18	-7.9%
526	20	0.57	25	0.60	0.03	5.3%
527	20	2.61	90	3.10	0.49	18.8%
528	15	0.46	25	0.47	0.01	2.2%
529	15	0.15	15	0.16	0.01	6.7%
530	20	1.25	90	1.41	0.16	12.8%
531	20	0.46	25	0.52	0.06	13.0%
532	20	0.09	15	0.10	0.01	11.1%
533	20	0.93	25	0.98	0.05	5.4%
534	15	1.37	25	1.40	0.03	2.2%
535	25	0.82	90	1.06	0.24	29.3%
536	25	0.85	90	1.10	0.25	29.4%
537	25	0.77	90	0.97	0.20	26.0%
538	20	0.12	25	0.12	0.00	0.0%
539	20	0.29	25	0.30	0.01	3.4%
540	20	0.44	25	0.47	0.03	6.8%
541	25	0.93	25	1.12	0.19	20.4%
542	20	0.47	25	0.56	0.09	19.1%
543	25	1.95	120	2.51	0.56	28.7%
544	20	0.50	25	0.60	0.10	20.0%

545	25	1.00	120	1.21	0.21	21.0%
546	25	1.12	120	1.35	0.23	20.5%
547	25	1.98	90	2.57	0.59	29.8%
548	25	2.08	90	2.73	0.65	31.3%
549	25	1.40	120	1.70	0.30	21.4%
550	25	2.26	120	2.86	0.60	26.5%
551	45	5.16	120	6.62	1.46	28.3%
552	45	5.28	120	6.75	1.47	27.8%
553	25	1.83	120	2.34	0.51	27.9%
554	20	0.24	25	0.28	0.04	16.7%
555	25	0.78	90	0.97	0.19	24.4%
556	45	9.87	120	12.21	2.34	23.7%
557	45	9.11	120	11.41	2.30	25.2%
558	25	1.19	90	1.49	0.30	25.2%
559	25	0.78	120	0.98	0.20	25.6%
560	20	0.55	90	0.67	0.12	21.8%
561	20	0.28	25	0.29	0.01	3.6%
562	20	0.46	25	0.53	0.07	15.2%
563	15	0.80	25	0.78	-0.02	-2.5%
564	15	0.36	25	0.37	0.01	2.8%
565	20	0.90	25	1.00	0.10	11.1%
566	25	1.34	120	1.62	0.28	20.9%
567	25	1.49	120	1.87	0.38	25.5%
568	25	1.86	120	2.34	0.48	25.8%
569	20	0.30	90	0.38	0.08	26.7%
570	25	2.26	120	2.80	0.54	23.9%
571	20	0.30	25	0.36	0.06	20.0%
572	20	0.87	25	0.97	0.10	11.5%
573	20	1.36	25	1.48	0.12	8.8%
574	20	0.61	25	0.68	0.07	11.5%
575	20	0.52	90	0.62	0.10	19.2%
576	20	0.23	25	0.27	0.04	17.4%
577	25	0.53	120	0.67	0.14	26.4%
578	20	0.24	90	0.29	0.05	20.8%
579	20	3.03	25	3.30	0.27	8.9%
580	20	0.19	25	0.23	0.04	21.1%
581	25	11.80	120	13.45	1.65	14.0%
582	20	0.61	25	0.70	0.09	14.8%
583	20	0.47	25	0.49	0.02	4.3%
584	20	0.83	25	0.95	0.12	14.5%
585	20	2.06	120	2.44	0.38	18.4%
586	20	1.98	120	2.29	0.31	15.7%
587	20	0.40	25	0.41	0.01	2.5%
588	20	0.19	25	0.20	0.01	5.3%
589	20	0.85	25	0.97	0.12	14.1%
590	20	1.01	90	1.16	0.15	14.9%
591	20	1.47	90	1.66	0.19	12.9%
592	20	0.34	25	0.38	0.04	11.8%
593	20	0.34	25	0.39	0.05	14.7%
594	20	0.37	25	0.43	0.06	16.2%

595	20	0.97	25	1.12	0.15	15.5%
596	20	0.37	25	0.39	0.02	5.4%
597	15	0.34	15	0.34	0.00	0.0%
598	15	0.64	15	0.63	-0.01	-1.6%
599	20	1.36	25	1.57	0.21	15.4%
600	20	0.38	25	0.43	0.05	13.2%
601	20	0.28	25	0.33	0.05	17.9%
602	20	0.69	25	0.77	0.08	11.6%
603	20	1.37	25	1.55	0.18	13.1%
604	20	3.45	25	3.87	0.42	12.2%
605	20	0.50	25	0.56	0.06	12.0%
606	15	0.27	15	0.26	-0.01	-3.7%
607	20	2.47	25	2.58	0.11	4.5%
608	15	0.96	25	0.91	-0.05	-5.2%
609	20	2.27	25	2.38	0.11	4.8%
610	20	1.21	25	1.27	0.06	5.0%
611	20	0.13	15	0.14	0.01	7.7%
612	20	3.75	20	4.15	0.40	10.7%
613	20	0.16	25	0.17	0.01	6.3%
614	20	0.88	25	0.93	0.05	5.7%
615	20	0.90	25	1.01	0.11	12.2%
616	20	0.20	25	0.21	0.01	5.0%
617	20	0.59	90	0.70	0.11	18.6%
618	10	0.73	15	0.68	-0.05	-6.8%
619	25	1.49	120	1.96	0.47	31.5%
620	30	1.82	120	2.40	0.58	31.9%
621	20	0.26	15	0.28	0.02	7.7%
622	25	0.47	90	0.58	0.11	23.4%
623	25	0.80	120	1.01	0.21	26.3%
624	25	0.82	90	1.08	0.26	31.7%
625	25	0.89	120	1.11	0.22	24.7%
626	25	2.58	120	3.33	0.75	29.1%
627	20	0.95	25	1.00	0.05	5.3%
628	20	0.49	25	0.51	0.02	4.1%
629	25	0.40	90	0.48	0.08	20.0%
630	20	0.19	25	0.23	0.04	21.1%
631	25	0.62	120	0.77	0.15	24.2%
632	20	0.46	25	0.52	0.06	13.0%
633	20	0.71	25	0.81	0.10	14.1%
634	20	1.02	25	1.15	0.13	12.7%
635	20	1.40	25	1.59	0.19	13.6%
636	20	0.68	25	0.77	0.09	13.2%
637	20	1.02	90	1.18	0.16	15.7%
638	20	0.71	25	0.81	0.10	14.1%
639	20	2.01	90	2.44	0.43	21.4%
640	20	0.79	25	0.89	0.10	12.7%
641	20	0.53	25	0.56	0.03	5.7%
642	20	1.39	25	1.44	0.05	3.6%
643	15	1.04	25	0.99	-0.05	-4.8%
644	10	2.75	25	2.71	-0.04	-1.5%

645	20	0.80	25	0.91	0.11	13.8%
646	20	2.28	120	2.63	0.35	15.4%
647	20	1.16	25	1.31	0.15	12.9%
648	20	0.38	25	0.39	0.01	2.6%
649	20	1.41	90	1.61	0.20	14.2%
650	20	2.10	25	2.37	0.27	12.9%
651	20	0.60	25	0.69	0.09	15.0%
652	20	0.63	25	0.66	0.03	4.8%
653	20	0.79	25	0.90	0.11	13.9%
654	20	1.02	25	1.15	0.13	12.7%
655	20	0.59	25	0.67	0.08	13.6%
656	20	0.33	25	0.35	0.02	6.1%
657	20	0.56	25	0.58	0.02	3.6%
658	20	0.23	25	0.25	0.02	8.7%
659	20	0.76	25	0.87	0.11	14.5%
660	20	0.47	25	0.49	0.02	4.3%
661	20	0.27	25	0.28	0.01	3.7%
662	20	1.49	25	1.67	0.18	12.1%
663	20	0.35	25	0.37	0.02	5.7%
664	20	4.06	90	4.56	0.50	12.3%
665	20	2.42	90	2.79	0.37	15.3%
666	45	16.84	120	21.36	4.52	26.8%
667	20	0.73	25	0.83	0.10	13.7%
668	20	0.39	25	0.41	0.02	5.1%
669	20	2.65	90	3.09	0.44	16.6%
670	20	2.56	90	2.96	0.40	15.6%
671	20	1.48	90	1.72	0.24	16.2%
672	20	4.30	90	5.47	1.17	27.2%
673	20	0.61	25	0.70	0.09	14.8%
674	20	0.31	25	0.33	0.02	6.5%
675	20	1.00	90	1.18	0.18	18.0%
676	20	0.60	25	0.69	0.09	15.0%
677	25	1.38	90	1.87	0.49	35.5%
678	25	1.83	90	2.46	0.63	34.4%
679	25	2.78	90	3.49	0.71	25.5%
680	20	1.16	90	1.25	0.09	7.8%
681	20	0.31	25	0.35	0.04	12.9%
682	20	0.83	25	0.95	0.12	14.5%
683	30	8.06	120	10.08	2.02	25.1%
684	20	0.51	90	0.61	0.10	19.6%
685	20	0.15	25	0.17	0.02	13.3%
686	20	0.14	15	0.15	0.01	7.1%
687	20	0.26	25	0.27	0.01	3.8%
688	20	1.09	25	1.16	0.07	6.4%
689	25	0.48	120	0.59	0.11	22.9%
690	20	0.58	90	0.73	0.15	25.9%
691	25	0.63	90	0.82	0.19	30.2%
692	20	0.17	25	0.18	0.01	5.9%
693	20	0.39	25	0.45	0.06	15.4%
694	20	2.53	90	3.05	0.52	20.6%

695	20	4.15	90	5.18	1.03	24.8%
696	30	8.59	120	10.42	1.83	21.3%
697	20	0.89	25	1.00	0.11	12.4%
698	20	0.94	25	1.05	0.11	11.7%
699	20	0.23	25	0.26	0.03	13.0%
700	20	1.34	90	1.55	0.21	15.7%
701	20	1.62	90	1.84	0.22	13.6%
702	20	1.40	90	1.57	0.17	12.1%
703	20	0.84	25	0.95	0.11	13.1%
704	20	0.22	25	0.24	0.02	9.1%
705	20	0.20	25	0.23	0.03	15.0%
706	20	0.32	90	0.37	0.05	15.6%
707	20	1.42	25	1.52	0.10	7.0%
708	45	12.46	120	15.63	3.17	25.4%
709	45	12.70	120	15.88	3.18	25.0%
710	45	12.80	120	15.98	3.18	24.8%
711	20	0.41	25	0.43	0.02	4.9%
712	20	0.53	25	0.60	0.07	13.2%
713	20	0.63	25	0.66	0.03	4.8%
714	20	0.91	25	0.96	0.05	5.5%
715	30	22.59	120	26.90	4.31	19.1%
716	20	0.57	90	0.65	0.08	14.0%
717	25	10.99	120	13.96	2.97	27.0%
718	20	1.38	90	1.55	0.17	12.3%
719	20	1.09	90	1.25	0.16	14.7%
720	20	0.47	90	0.55	0.08	17.0%
721	20	0.63	25	0.66	0.03	4.8%
722	20	0.55	25	0.58	0.03	5.5%
723	20	0.70	25	0.80	0.10	14.3%
724	20	0.66	90	0.77	0.11	16.7%
725	20	1.83	90	2.26	0.43	23.5%
726	20	0.63	90	0.75	0.12	19.0%
727	45	37.38	120	45.09	7.71	20.6%
728	20	0.28	25	0.29	0.01	3.6%
729	25	0.19	90	0.24	0.05	26.3%
730	20	0.20	25	0.23	0.03	15.0%
731	20	0.49	25	0.54	0.05	10.2%
732	20	1.79	90	2.12	0.33	18.4%
733	20	0.36	25	0.40	0.04	11.1%
734	20	0.24	25	0.25	0.01	4.2%
735	20	0.34	25	0.36	0.02	5.9%
736	25	1.75	120	2.14	0.39	22.3%
737	25	0.75	90	0.93	0.18	24.0%
738	25	0.82	90	1.01	0.19	23.2%
739	25	0.43	90	0.54	0.11	25.6%
740	25	1.29	90	1.60	0.31	24.0%
741	20	0.24	25	0.28	0.04	16.7%
742	20	0.51	25	0.60	0.09	17.6%
743	20	0.41	90	0.51	0.10	24.4%
744	20	0.67	25	0.80	0.13	19.4%

745	20	0.25	25	0.26	0.01	4.0%
746	20	0.47	25	0.50	0.03	6.4%
747	20	0.57	90	0.67	0.10	17.5%
748	25	0.73	90	0.91	0.18	24.7%
749	20	0.44	25	0.47	0.03	6.8%
750	20	0.32	25	0.38	0.06	18.8%
751	25	0.77	120	0.95	0.18	23.4%
752	45	54.27	120	66.53	12.26	22.6%
753	20	0.60	25	0.62	0.02	3.3%
754	10	1.41	25	1.45	0.04	2.8%
755	10	2.06	90	2.16	0.10	4.9%
756	20	0.12	25	0.12	0.00	0.0%
757	20	0.04	15	0.05	0.01	25.0%
758	20	2.76	120	3.03	0.27	9.8%
759	20	0.91	90	1.09	0.18	19.8%
760	20	0.59	25	0.70	0.11	18.6%
761	20	0.59	90	0.69	0.10	16.9%
762	20	1.08	90	1.30	0.22	20.4%
763	45	23.37	120	30.81	7.44	31.8%
764	20	0.48	25	0.51	0.03	6.3%
765	30	12.71	120	15.04	2.33	18.3%
766	25	1.99	90	2.40	0.41	20.6%
767	20	0.90	90	1.00	0.10	11.1%
768	20	0.31	25	0.35	0.04	12.9%
769	20	0.40	90	0.51	0.11	27.5%
770	20	0.37	25	0.39	0.02	5.4%
771	20	0.21	25	0.24	0.03	14.3%
772	20	0.71	25	0.79	0.08	11.3%
773	20	0.95	25	1.05	0.10	10.5%
774	15	0.41	15	0.39	-0.02	-4.9%
775	20	0.76	25	0.84	0.08	10.5%
776	15	0.66	25	0.66	0.00	0.0%
777	20	0.55	90	0.63	0.08	14.5%
778	20	1.07	90	1.28	0.21	19.6%
779	20	0.03	15	0.03	0.00	0.0%
780	20	0.80	90	0.98	0.18	22.5%
781	20	0.22	25	0.23	0.01	4.5%
782	20	0.15	25	0.16	0.01	6.7%
783	15	0.24	25	0.26	0.02	8.3%
784	15	0.20	15	0.20	0.00	0.0%
785	20	0.06	15	0.07	0.01	16.7%
786	20	0.48	25	0.52	0.04	8.3%
787	20	1.45	90	1.73	0.28	19.3%
788	20	0.10	15	0.11	0.01	10.0%
789	20	0.20	25	0.21	0.01	5.0%
790	15	0.41	25	0.43	0.02	4.9%
791	20	0.24	25	0.26	0.02	8.3%
792	20	0.41	25	0.44	0.03	7.3%
793	20	0.56	90	0.64	0.08	14.3%
794	20	0.29	90	0.34	0.05	17.2%

795	20	0.42	90	0.52	0.10	23.8%
796	20	0.35	25	0.42	0.07	20.0%
797	20	2.26	90	2.86	0.60	26.5%
798	20	0.48	90	0.59	0.11	22.9%
799	20	0.39	90	0.46	0.07	17.9%
800	20	0.72	25	0.81	0.09	12.5%
801	25	1.98	120	2.63	0.65	32.8%
802	20	0.11	25	0.11	0.00	0.0%
803	20	0.46	25	0.49	0.03	6.5%
804	25	10.25	120	13.25	3.00	29.3%
805	25	9.62	120	12.60	2.98	31.0%
806	20	5.37	90	6.98	1.61	30.0%
807	20	4.88	90	6.24	1.36	27.9%
808	20	0.83	25	0.93	0.10	12.0%
809	10	0.90	15	0.83	-0.07	-7.8%
810	25	2.08	120	2.63	0.55	26.4%
811	25	1.59	90	2.03	0.44	27.7%
812	20	0.43	25	0.50	0.07	16.3%
813	20	1.46	90	1.76	0.30	20.5%
814	30	21.52	120	25.26	3.74	17.4%
815	45	22.24	120	25.92	3.68	16.5%
816	20	0.18	25	0.19	0.01	5.6%
817	20	0.47	25	0.49	0.02	4.3%
818	45	187.65	120	230.22	42.57	22.7%
819	1440	0.09	1440	0.10	0.01	11.1%
820	20	1.57	25	1.76	0.19	12.1%
821	45	187.57	120	229.60	42.03	22.4%
822	45	54.37	120	67.84	13.47	24.8%
823	25	1.11	90	1.44	0.33	29.7%
824	20	0.82	90	1.02	0.20	24.4%
825	20	0.10	25	0.11	0.01	10.0%
826	15	0.68	15	0.65	-0.03	-4.4%
827	20	0.85	25	0.96	0.11	12.9%
828	20	0.99	25	1.11	0.12	12.1%
829	20	2.25	25	2.45	0.20	8.9%
830	20	1.10	25	1.26	0.16	14.5%
831	20	0.50	25	0.57	0.07	14.0%
832	20	0.71	25	0.81	0.10	14.1%
833	20	0.41	25	0.43	0.02	4.9%
834	20	0.56	25	0.59	0.03	5.4%
835	15	0.14	15	0.15	0.01	7.1%
836	20	2.25	90	2.85	0.60	26.7%
837	20	0.86	90	0.97	0.11	12.8%
838	20	0.32	25	0.37	0.05	15.6%
839	25	1.24	90	1.60	0.36	29.0%
840	20	0.36	25	0.41	0.05	13.9%
841	20	1.13	25	1.27	0.14	12.4%
842	20	0.17	15	0.19	0.02	11.8%
843	20	1.99	90	2.40	0.41	20.6%
844	20	2.44	90	2.84	0.40	16.4%

845	25	3.62	120	4.60	0.98	27.1%
846	20	0.57	25	0.66	0.09	15.8%
847	20	1.30	90	1.59	0.29	22.3%
848	20	0.63	25	0.72	0.09	14.3%
849	20	0.82	25	0.94	0.12	14.6%
850	20	0.44	25	0.47	0.03	6.8%
851	20	2.45	90	2.90	0.45	18.4%
852	20	1.25	90	1.42	0.17	13.6%
853	20	1.70	90	1.94	0.24	14.1%
854	20	1.52	25	1.75	0.23	15.1%
855	20	0.36	25	0.37	0.01	2.8%
856	20	0.40	25	0.45	0.05	12.5%
857	20	0.04	15	0.05	0.01	25.0%
858	20	0.17	25	0.18	0.01	5.9%
859	20	0.44	25	0.46	0.02	4.5%
860	20	0.67	25	0.77	0.10	14.9%
861	20	0.49	25	0.52	0.03	6.1%
862	20	0.75	25	0.86	0.11	14.7%
863	20	0.77	25	0.88	0.11	14.3%
864	20	3.26	90	3.75	0.49	15.0%
865	20	3.68	90	4.33	0.65	17.7%
866	20	4.20	90	4.64	0.44	10.5%
867	20	0.87	25	0.99	0.12	13.8%
868	20	0.64	25	0.74	0.10	15.6%
869	20	0.37	25	0.39	0.02	5.4%
870	20	2.73	120	2.93	0.20	7.3%
871	20	0.12	25	0.12	0.00	0.0%
872	25	1.97	120	2.32	0.35	17.8%
873	20	0.91	25	1.04	0.13	14.3%
874	45	6.82	120	8.41	1.59	23.3%
875	45	6.93	120	8.55	1.62	23.4%
876	45	7.10	120	8.81	1.71	24.1%
877	20	1.33	120	1.50	0.17	12.8%
878	20	0.48	25	0.50	0.02	4.2%
879	30	11.62	120	13.20	1.58	13.6%
880	20	0.69	25	0.73	0.04	5.8%
881	20	0.26	25	0.27	0.01	3.8%
882	25	2.83	90	3.54	0.71	25.1%
883	25	2.73	90	3.40	0.67	24.5%
884	45	14.36	120	18.29	3.93	27.4%
885	45	9.83	120	12.41	2.58	26.2%
886	20	0.74	25	0.84	0.10	13.5%
887	20	0.54	25	0.62	0.08	14.8%
888	20	0.72	25	0.82	0.10	13.9%
889	25	0.33	90	0.41	0.08	24.2%
890	20	0.65	25	0.75	0.10	15.4%
891	20	0.97	25	1.10	0.13	13.4%
892	20	3.49	90	3.91	0.42	12.0%
893	20	0.90	90	1.03	0.13	14.4%
894	20	1.10	25	1.16	0.06	5.5%

895	20	0.70	25	0.79	0.09	12.9%
896	20	4.26	90	5.33	1.07	25.1%
897	20	1.01	25	1.15	0.14	13.9%
898	20	0.77	90	0.88	0.11	14.3%
899	20	0.15	25	0.17	0.02	13.3%
900	20	0.74	25	0.78	0.04	5.4%
901	20	0.70	25	0.79	0.09	12.9%
902	20	0.87	90	0.94	0.07	8.0%
903	20	0.59	25	0.68	0.09	15.3%
904	45	9.68	120	12.25	2.57	26.5%
905	20	0.50	25	0.52	0.02	4.0%
906	20	1.02	25	1.15	0.13	12.7%
907	30	4.51	120	5.42	0.91	20.2%
908	25	2.63	90	3.29	0.66	25.1%
909	25	3.30	90	4.30	1.00	30.3%
910	20	0.81	90	0.92	0.11	13.6%
911	20	0.36	25	0.41	0.05	13.9%
912	45	6.08	120	7.56	1.48	24.3%
913	20	0.48	25	0.50	0.02	4.2%
914	20	0.28	25	0.29	0.01	3.6%
915	20	0.71	25	0.75	0.04	5.6%
916	20	1.46	25	1.68	0.22	15.1%
917	20	4.36	25	4.59	0.23	5.3%
918	10	2.70	25	2.63	-0.07	-2.6%
919	15	0.57	25	0.62	0.05	8.8%
920	20	1.07	25	1.19	0.12	11.2%
921	20	1.83	120	2.04	0.21	11.5%
922	20	2.42	90	2.92	0.50	20.7%
923	20	1.06	90	1.22	0.16	15.1%
924	20	0.96	25	1.09	0.13	13.5%
925	20	4.04	90	4.98	0.94	23.3%
926	20	0.68	25	0.78	0.10	14.7%
927	20	1.04	25	1.18	0.14	13.5%
928	15	0.38	15	0.40	0.02	5.3%
929	20	0.72	25	0.82	0.10	13.9%
930	20	0.32	25	0.34	0.02	6.3%
931	20	2.13	90	2.46	0.33	15.5%
932	20	0.99	25	1.12	0.13	13.1%
933	20	0.96	25	1.09	0.13	13.5%
934	20	0.88	25	1.00	0.12	13.6%
935	20	2.17	90	2.46	0.29	13.4%
Average Differences (All Subcatchments)						**17.84%**
Average Differences (Focus Locations)						**21.01%**

APPENDIX O

SENSITIVITY SIMULATION DIFFERENCE MAPS

O1. Sensitivity Assessment Difference Maps

O1.1 Initial / Storm Loss

O1.1.1 Storm Loss Increased by 20%

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with the storm loss increased by 20%. It shows that a 20% increase in storm loss will lower peak 5% AEP levels. The reductions are typically less than 0.05 metres although some localised area are subject to reductions approaching 0.2 metres.

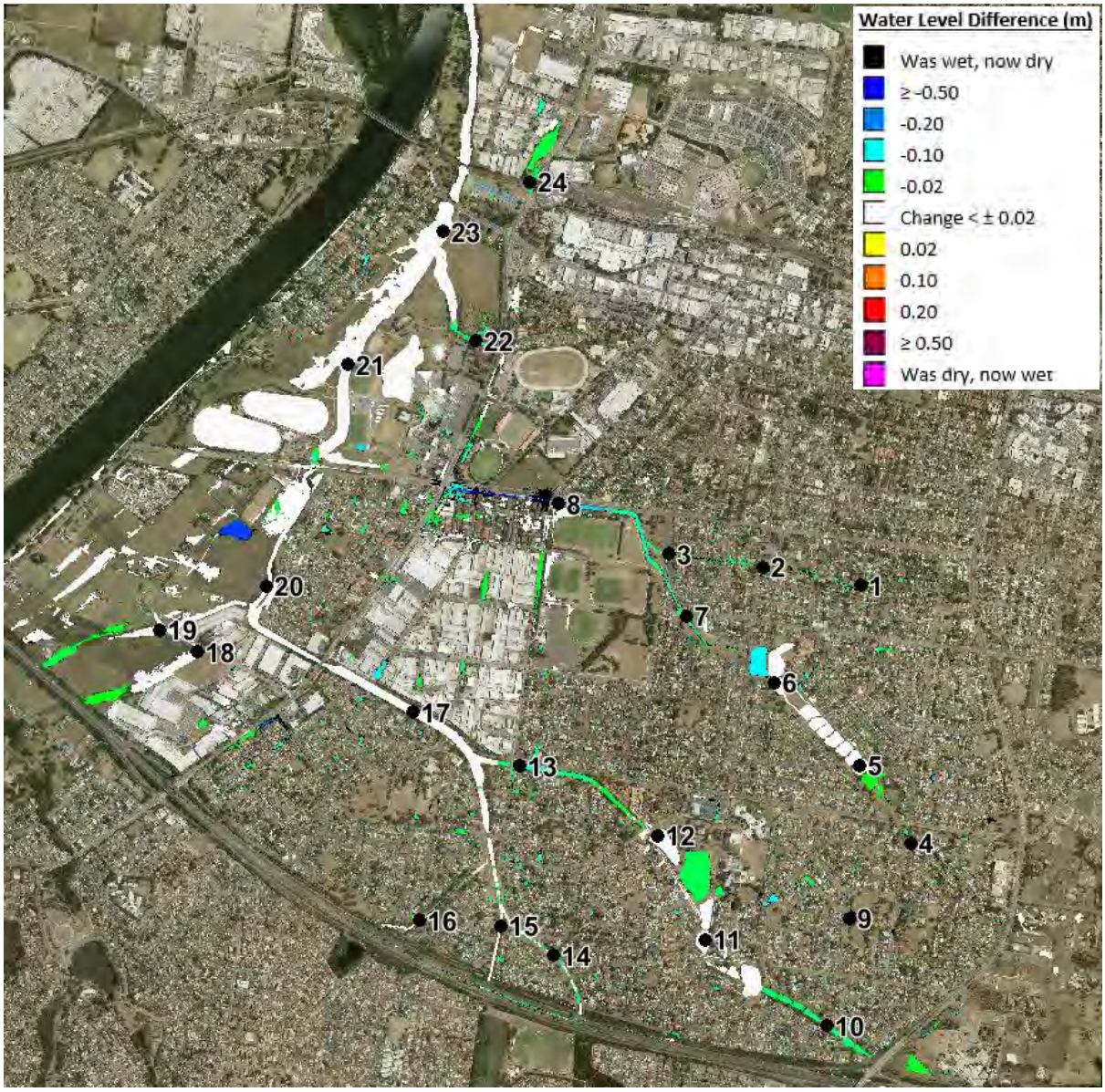


Plate O1 5% AEP Flood level difference map with higher storm loss

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with the storm loss increased by 20%. It shows that a 20% increase in storm loss will also lower peak 1% AEP levels. The extent of flood level reductions is generally greater than for the 5% AEP flood. However, the flood level reductions typically do no exceed 0.1 metres.

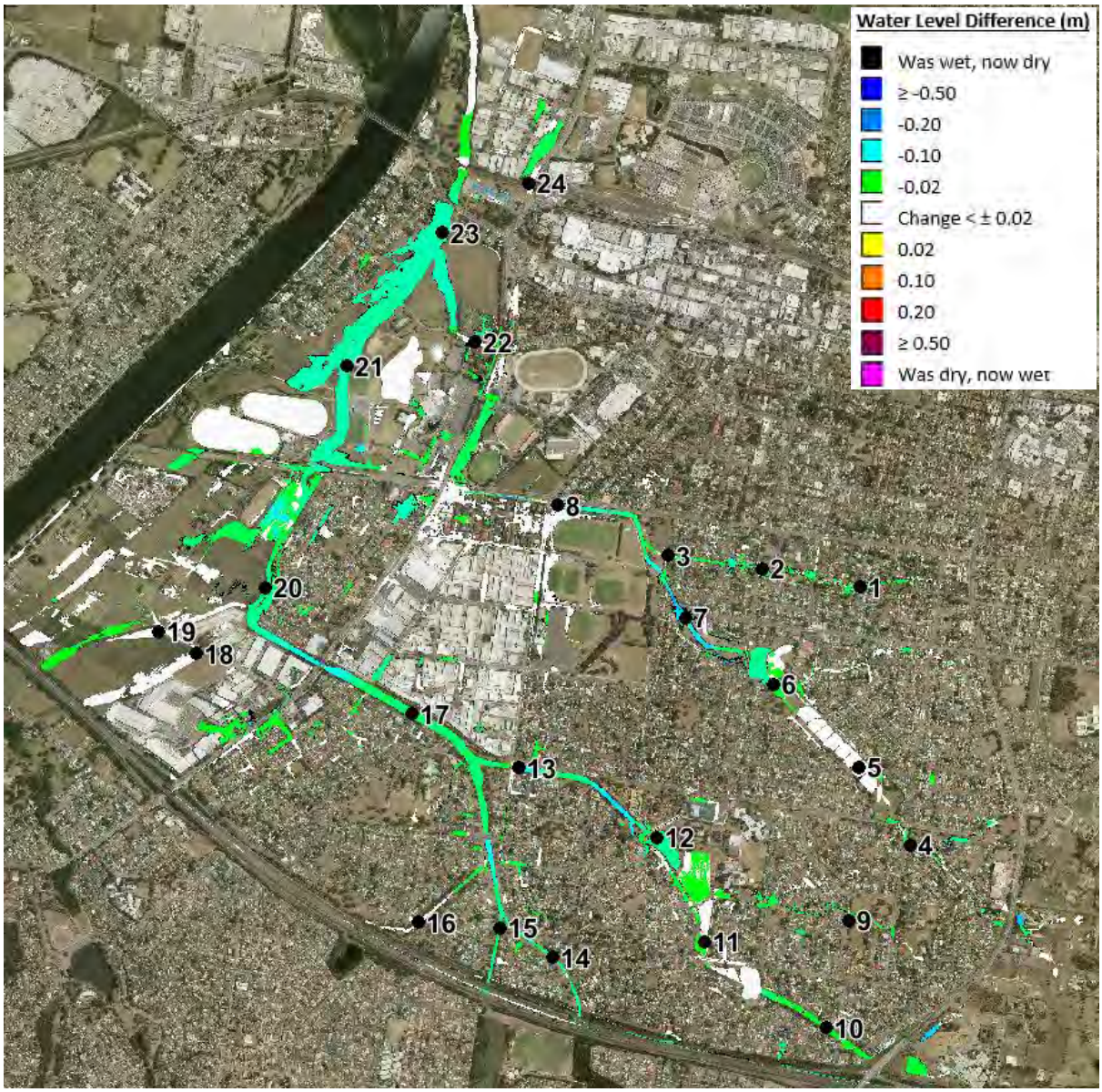


Plate O2 1% AEP Flood level difference map with higher storm loss

O1.1.2 Storm Loss Decreased by 20%

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with the storm loss decreased by 20%. It shows that a 20% decrease in storm loss will increase peak 5% AEP levels. The increases are typically less than 0.05 metres although some localised area are subject to increases of more than 0.1 metres.

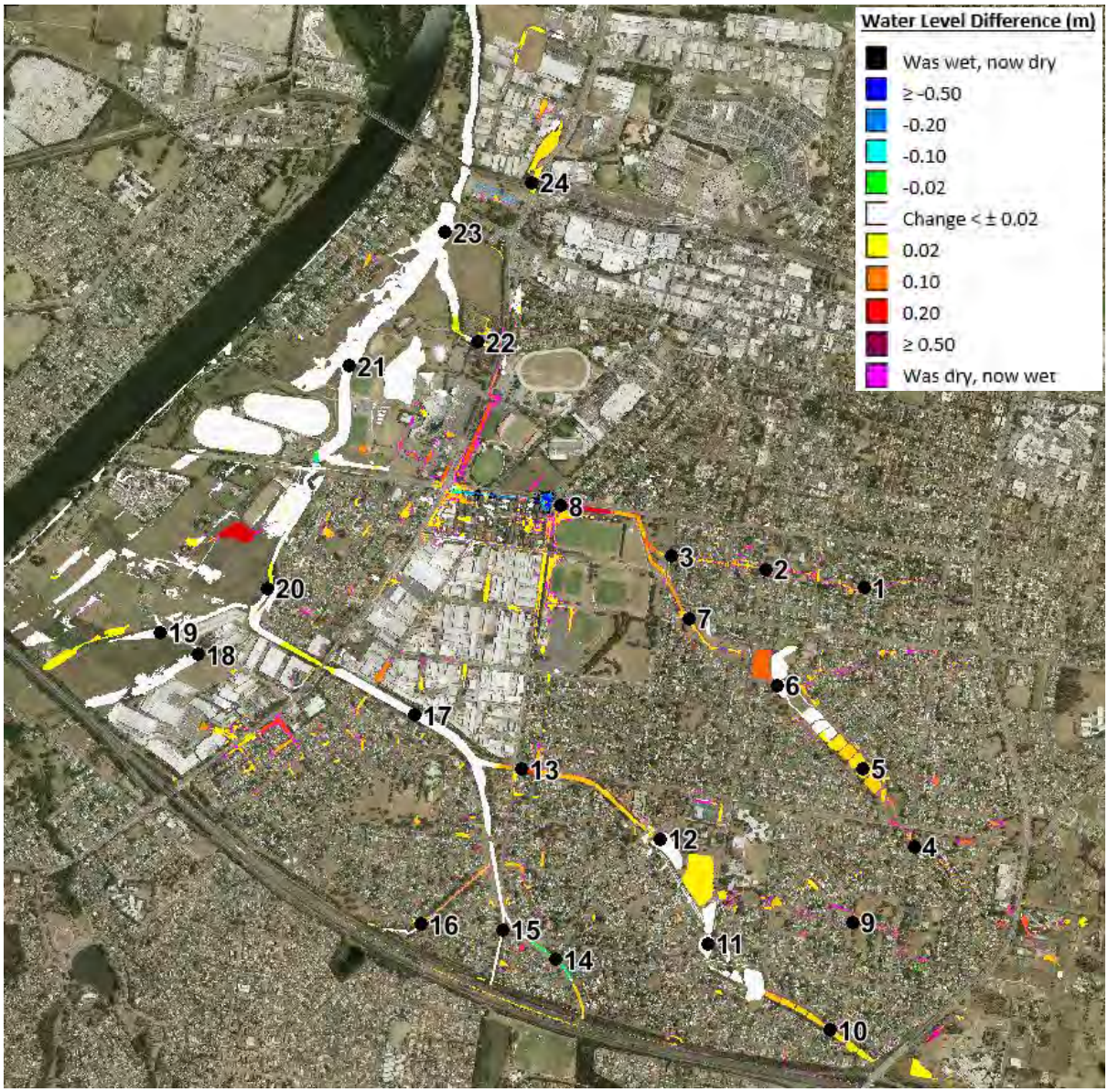


Plate O3 5% AEP Flood level difference map with lower storm loss

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with the storm loss decreased by 20%. It shows that a 20% decrease in storm loss will increase peak 1% AEP levels across most locations. The increases along main waterways are typically in the order of 0.05 metres although some localised areas (e.g., upstream of culverts) are subject to increases approaching 0.2 metres.

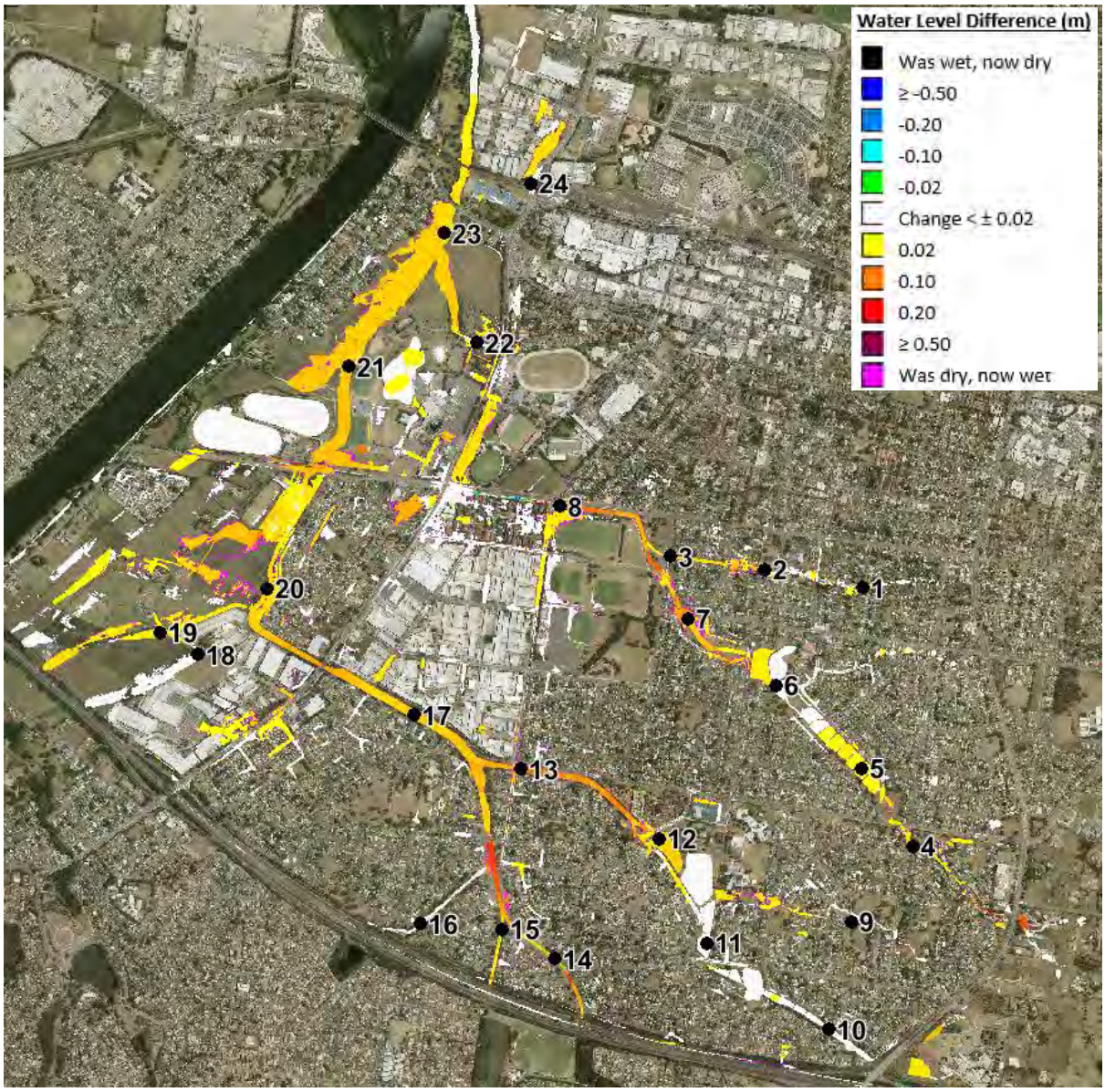


Plate O4 1% AEP Flood level difference map with lower storm loss

O1.2 Continuing Loss Rate

O1.2.1 Continuing Loss Rate Increased by 0.5m/hr

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with the continuing loss rate increased by 0.5 mm/hr (total continuing loss rate of 3.5mm/hr for pervious areas and 0.5mm/hr for impervious areas). It shows that a higher continuing loss rate will lower peak 5% AEP levels. The reductions are typically less than 0.05 metres indicating the modelling results are not particularly sensitive to changes in continuing loss rates.

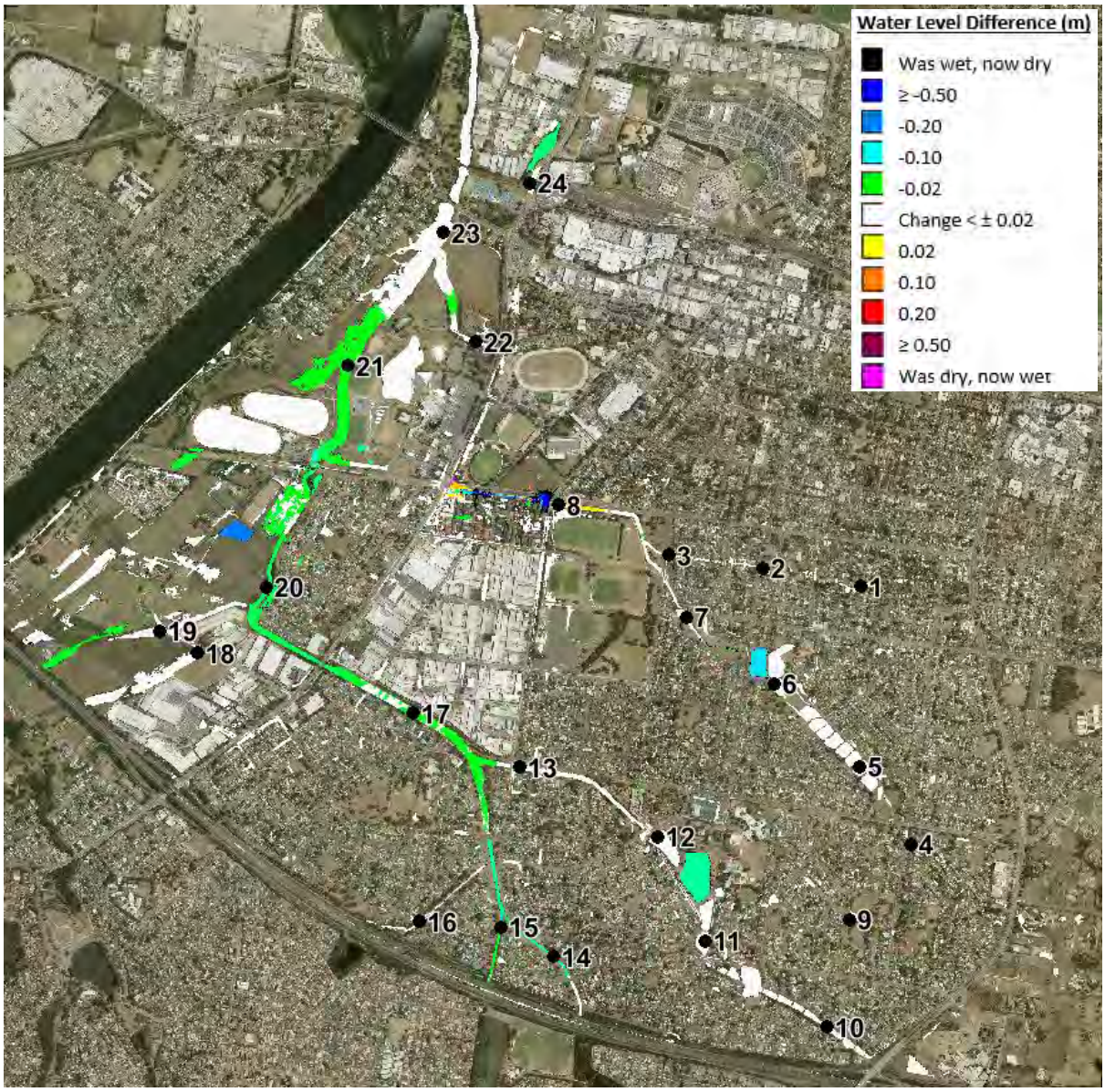


Plate O5 5% AEP Flood level difference map with higher continuing loss rate

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with the continuing loss rate increased by 0.5 mm/hr (total continuing loss rate of 3.5mm/hr for pervious areas and 0.5mm/hr for impervious areas). It shows that a higher continuing loss rate will slightly lower peak 1% AEP levels. However, the reductions in most cases is predicted to be less than 0.02 metres. Accordingly, changes in the continuing loss rates are not predicted to have a significant impact on the 1% AEP flood levels.

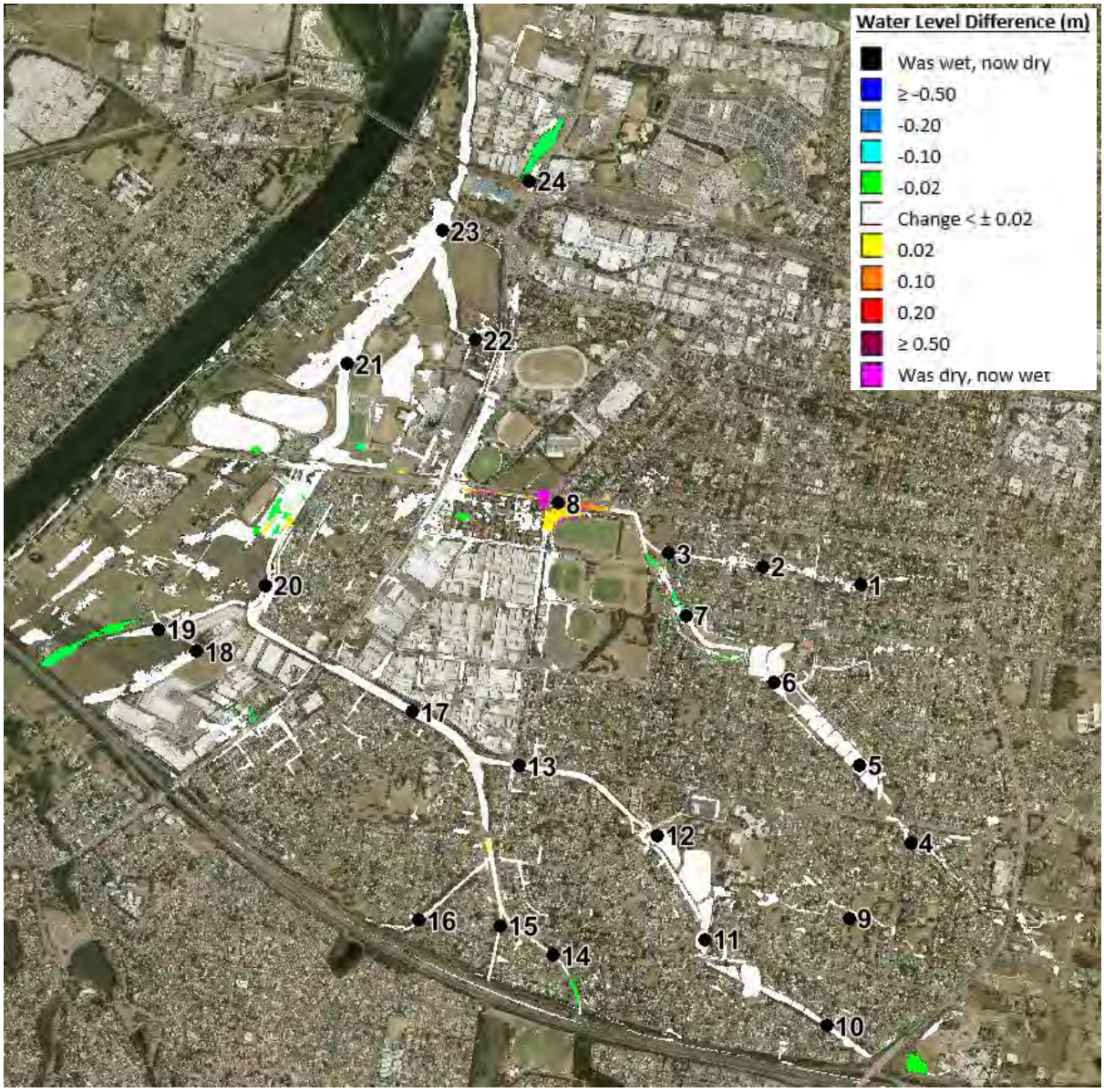


Plate O6 1% AEP Flood level difference map with higher continuing loss rate

O1.2.2 Continuing Loss Rates Decrease by 0.5 mm/hr

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with the continuing loss rate decreased by 0.5 mm/hr (total continuing loss rate of 1.5mm/hr for pervious areas and 0mm/hr for impervious areas). It shows that a lower continuing loss rate will lower peak 5% AEP levels. The reductions are typically less than 0.05 metres although some localised increases are predicted to exceed 0.1 metres.

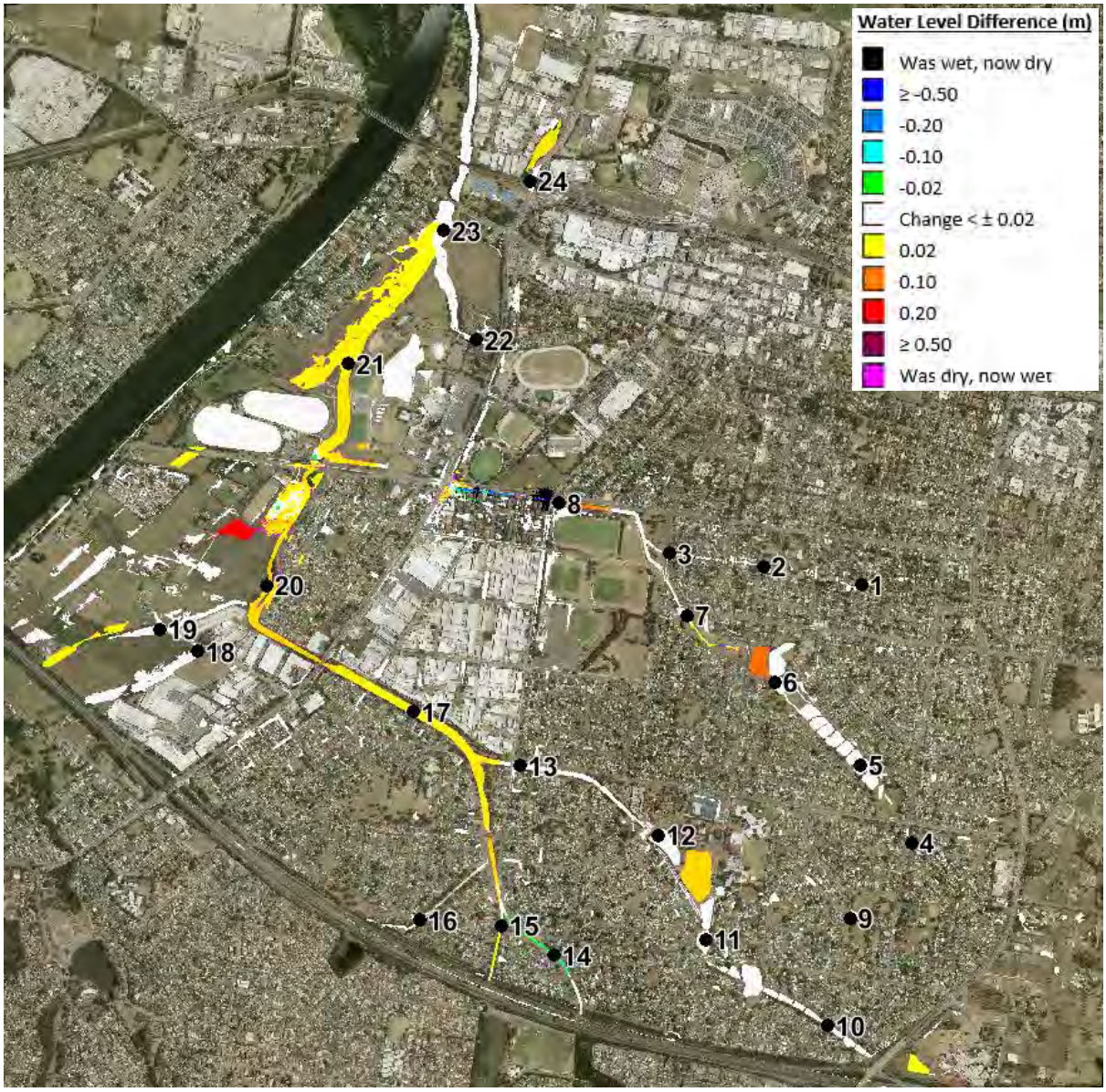


Plate O7 5% AEP Flood level difference map with lower continuing loss rate

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with the continuing loss rate decreased by 0.5 mm/hr (total continuing loss rate of 1.5mm/hr for pervious areas and 0mm/hr for impervious areas). It shows that a lower continuing loss rate will lower peak 1% AEP levels. The reductions are typically less than 0.02 metres confirming that the modelling results are not particularly sensitive to changes in the continuing loss rates.

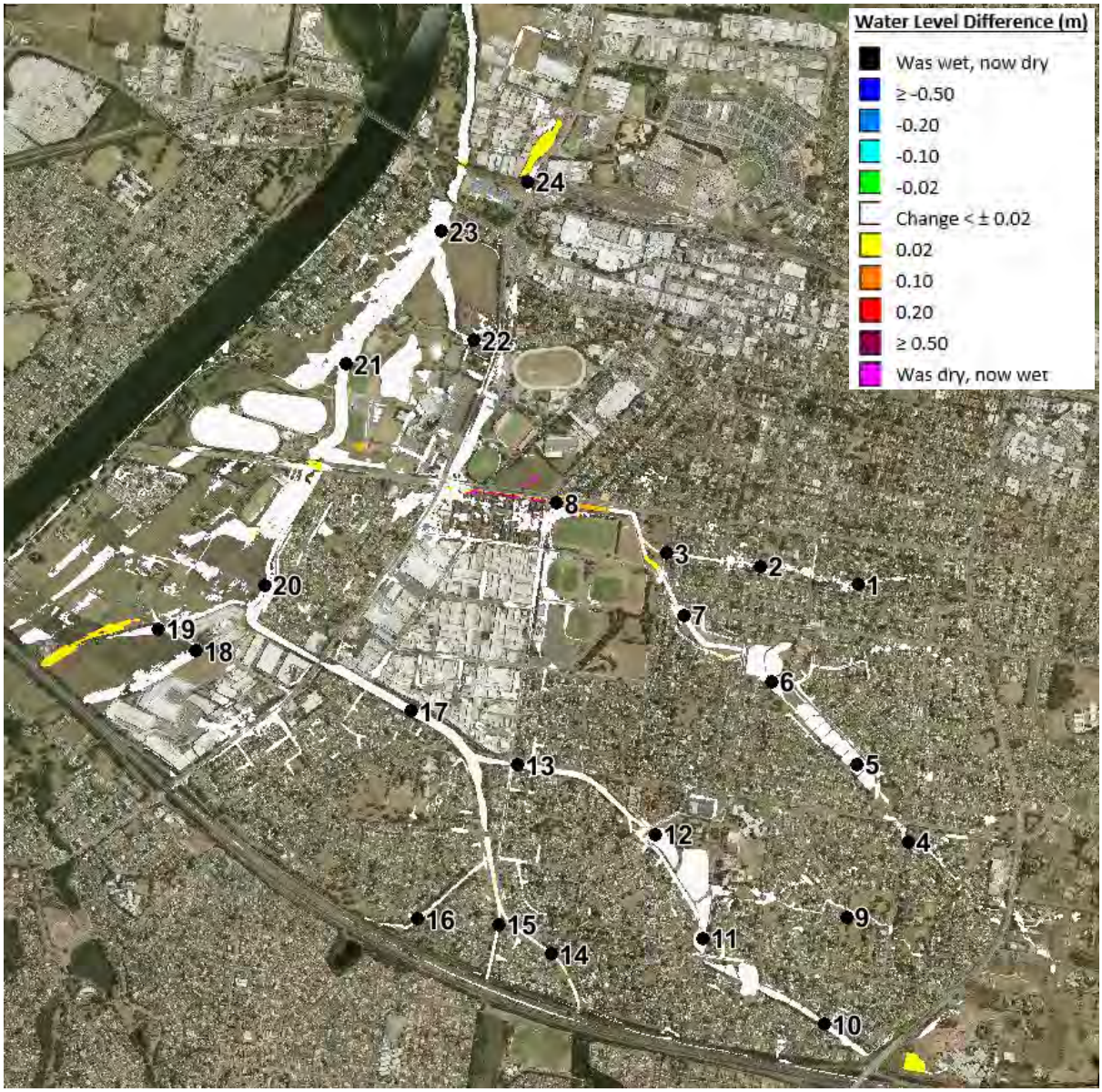


Plate O8 1% AEP Flood level difference map with lower continuing loss rate

O1.3 Temporal Pattern

O1.3.1 Temporal Pattern that Produces Higher Peak Discharge

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation using the ARR2016 temporal patterns that typically produced higher peak design discharge estimates. The temporal patterns that were utilised for the 5% AEP event included 4572 (60 min) & 4591 (360min).

The difference shows that the selected temporal patterns will typically increase peak flood levels. However, it also shows that reductions in flood levels are predicted at some locations. This indicates that:

- The adopted temporal pattern is predicted to impact on peak flood levels
- Different sections of the catchment respond differently to different temporal patterns. Therefore, a temporal pattern that generates a higher peak flood level in one section of the catchment may produce a lower peak flood level in other sections of the catchment

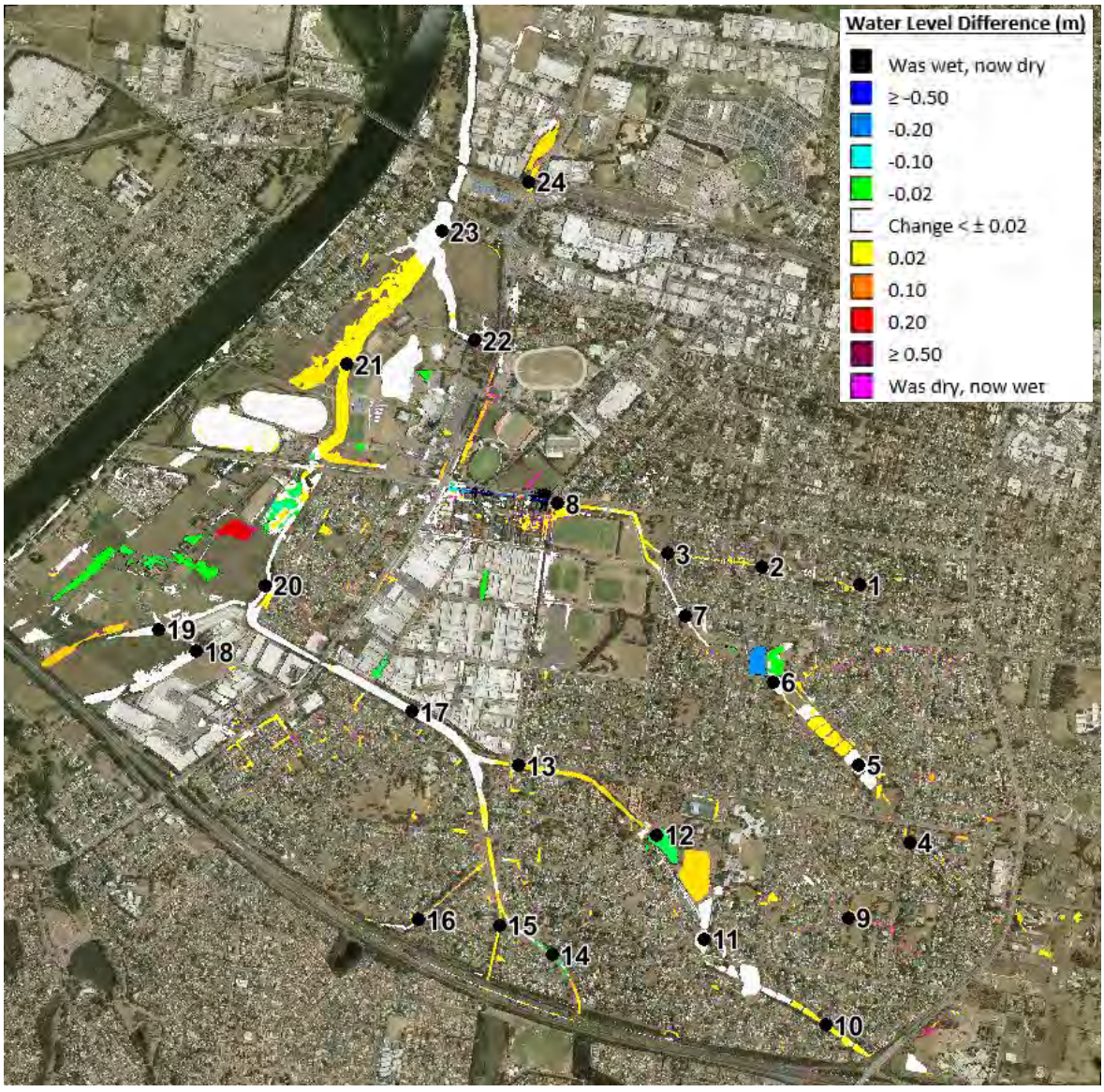


Plate O9 5% AEP Flood level difference map with temporal pattern that generates higher discharges

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation using the ARR2016 temporal patterns that typically produced higher peak design discharge estimates. The temporal patterns that were utilised for the 1% AEP event included 4535 (45 min), 4499 (120min) & 4719 (360min).

The difference shows that the selected temporal patterns will typically increase peak 1% AEP flood levels. The flood level differences are more pronounced during the 1% AEP event relative to the 5% AEP event with peak 1% AEP flood levels often increasing by 0.1 metres. However, the difference mapping also shows that there are some areas were flood level differences are not predicted to exceed 0.02 metres. This tends to confirm that different sections of the catchment are more sensitive to changes in the temporal pattern than others.

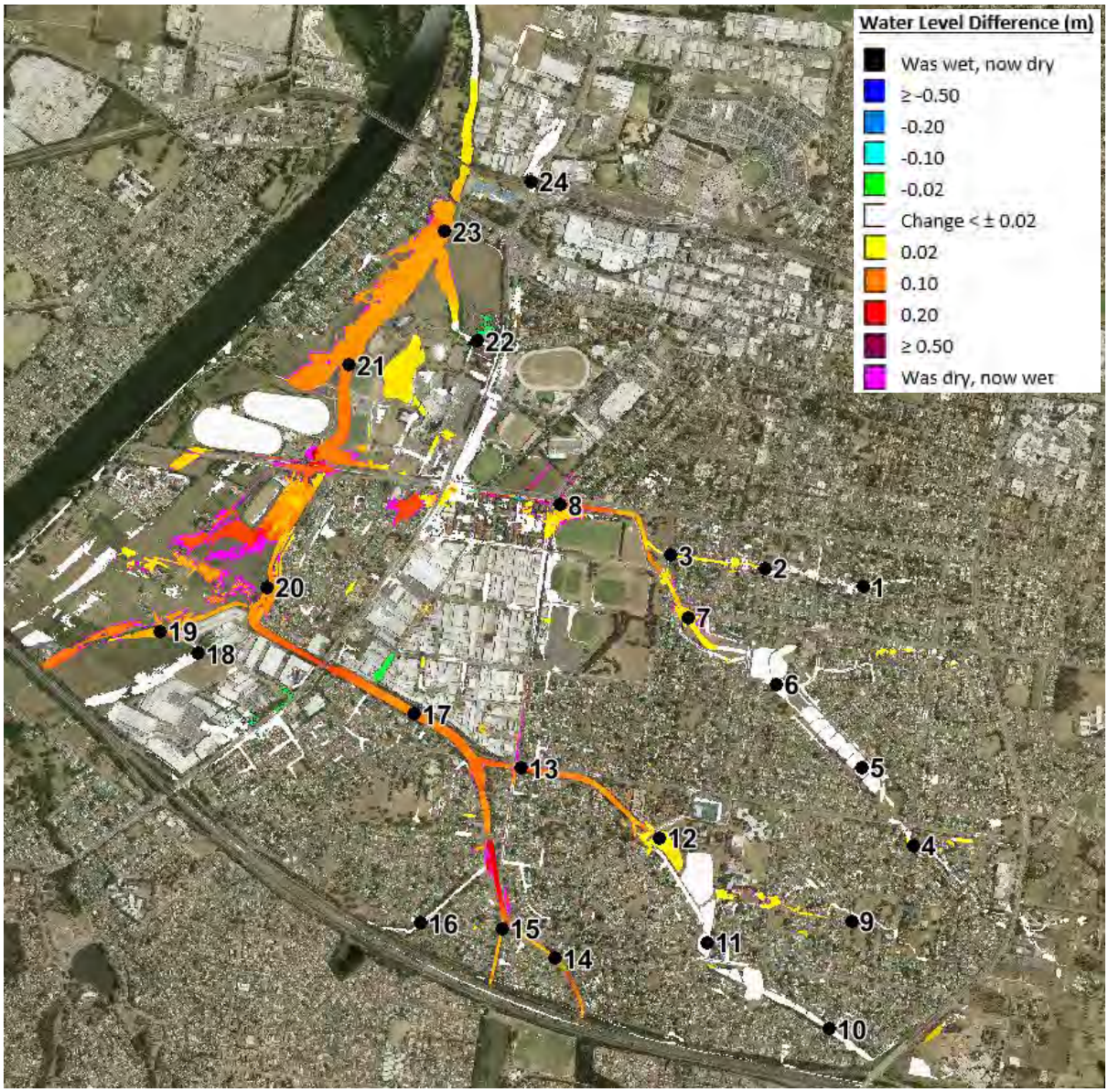


Plate O10 1% AEP Flood level difference map with temporal pattern that generates higher discharges

O1.3.2 Temporal Pattern that Produces Lower Peak Discharge

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation using the ARR2016 temporal patterns that typically produced lower peak design discharge estimates. The temporal patterns that were utilised for the 5% AEP event included 4563 (60 min) & 4726 (360min).

The difference mapping shows that the adopted temporal patterns produce lower peak 5% AEP flood levels at most locations across the study area, with reductions in levels that exceed 0.1 metres being quite common. Generally, the design flood levels within the detention basins tend to be less sensitive to changes in the temporal patterns as they are driven by runoff volume rather than the temporal distribution of rainfall.

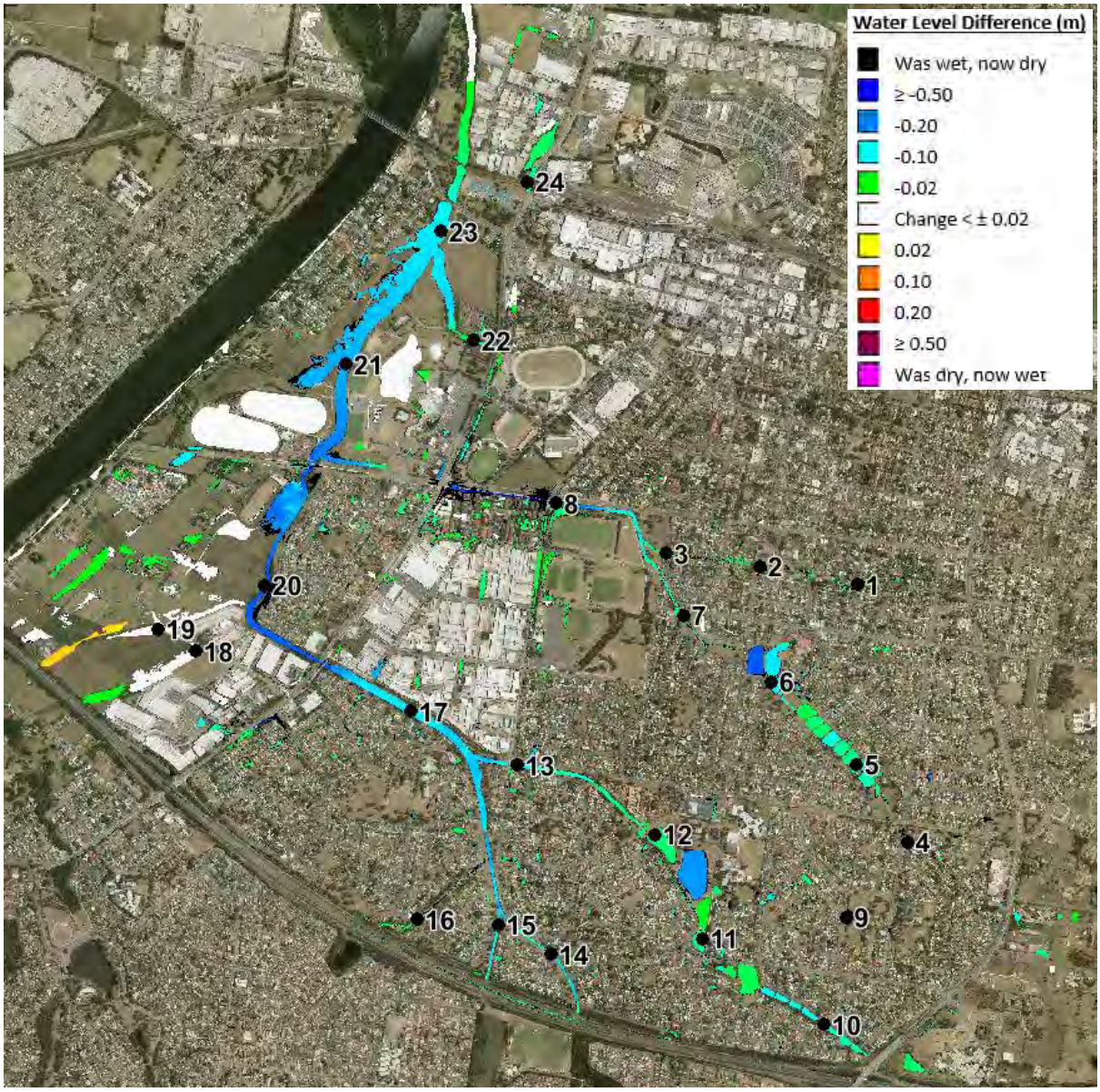


Plate O11 5%AEP Flood level difference map with temporal pattern that generates lower discharges

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation using the ARR2016 temporal patterns that typically produced lower peak design discharge estimates. The temporal patterns that were utilised for the 1% AEP event included 4526 (45 min), 4571 (120min) & 4596 (360min).

The difference mapping shows that the adopted temporal patterns produce lower peak 1% AEP flood levels at most locations across the study area. The reductions are typically less than 0.05 metres although some locations are predicted to experience reductions in 1% AEP flood levels of around 0.1 metres.

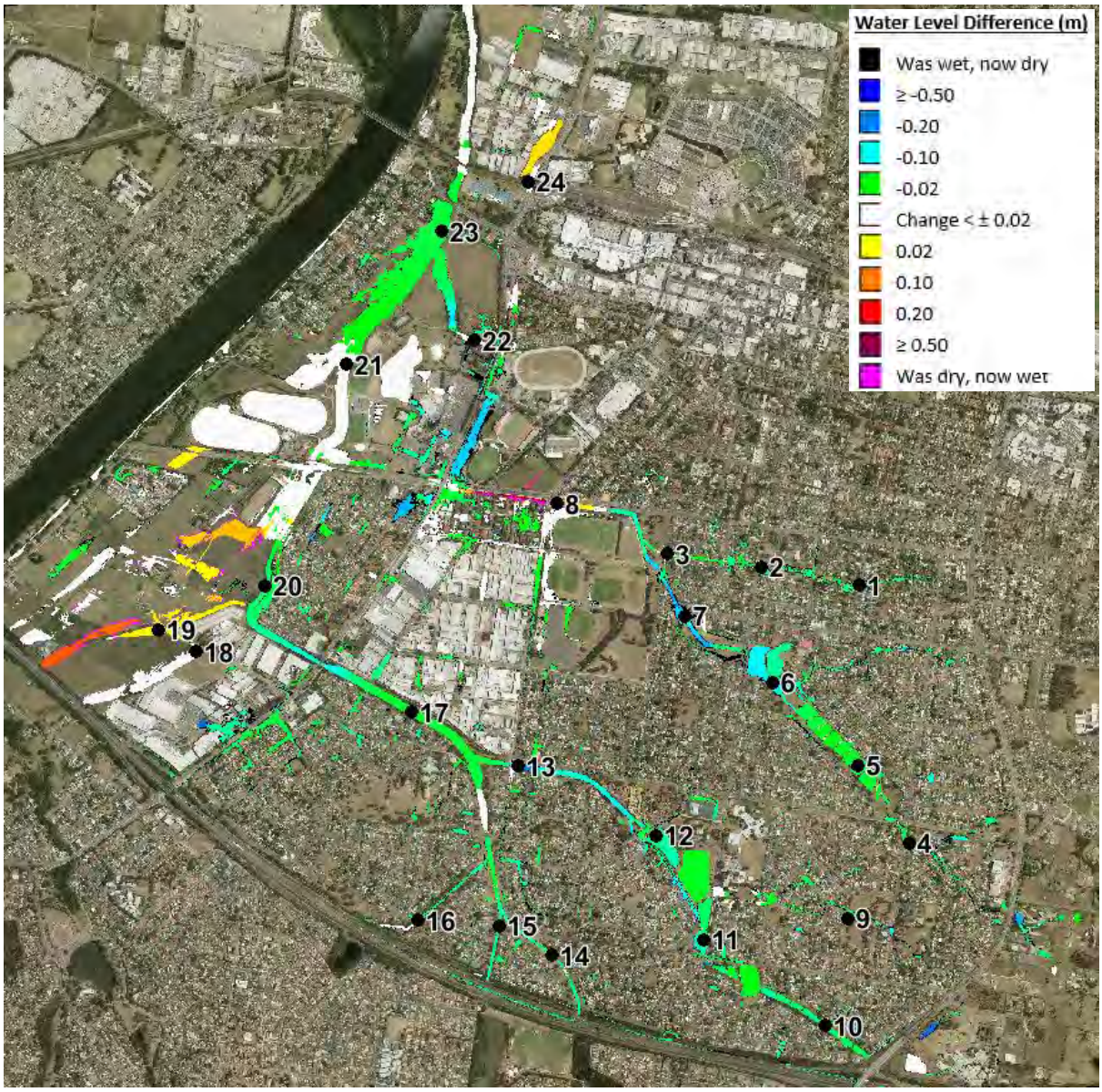


Plate O12 1%AEP Flood level difference map with temporal pattern that generates lower discharges

O1.4 Manning's "n"

O1.4.1 Manning's "n" Roughness Reduced by 20%

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with Manning's "n" roughness reduced by 20%.

In general, reducing the Manning's "n" will typically reduce flood levels. However, there are some areas where the more rapid response of rainfall is predicted to generate localised increases in flood levels (most notably in detention areas.

Although localised changes in flood level of more than 0.1 metres are predicted at isolated locations, the median change in flood level is predicted to be no greater than 0.01 metres.

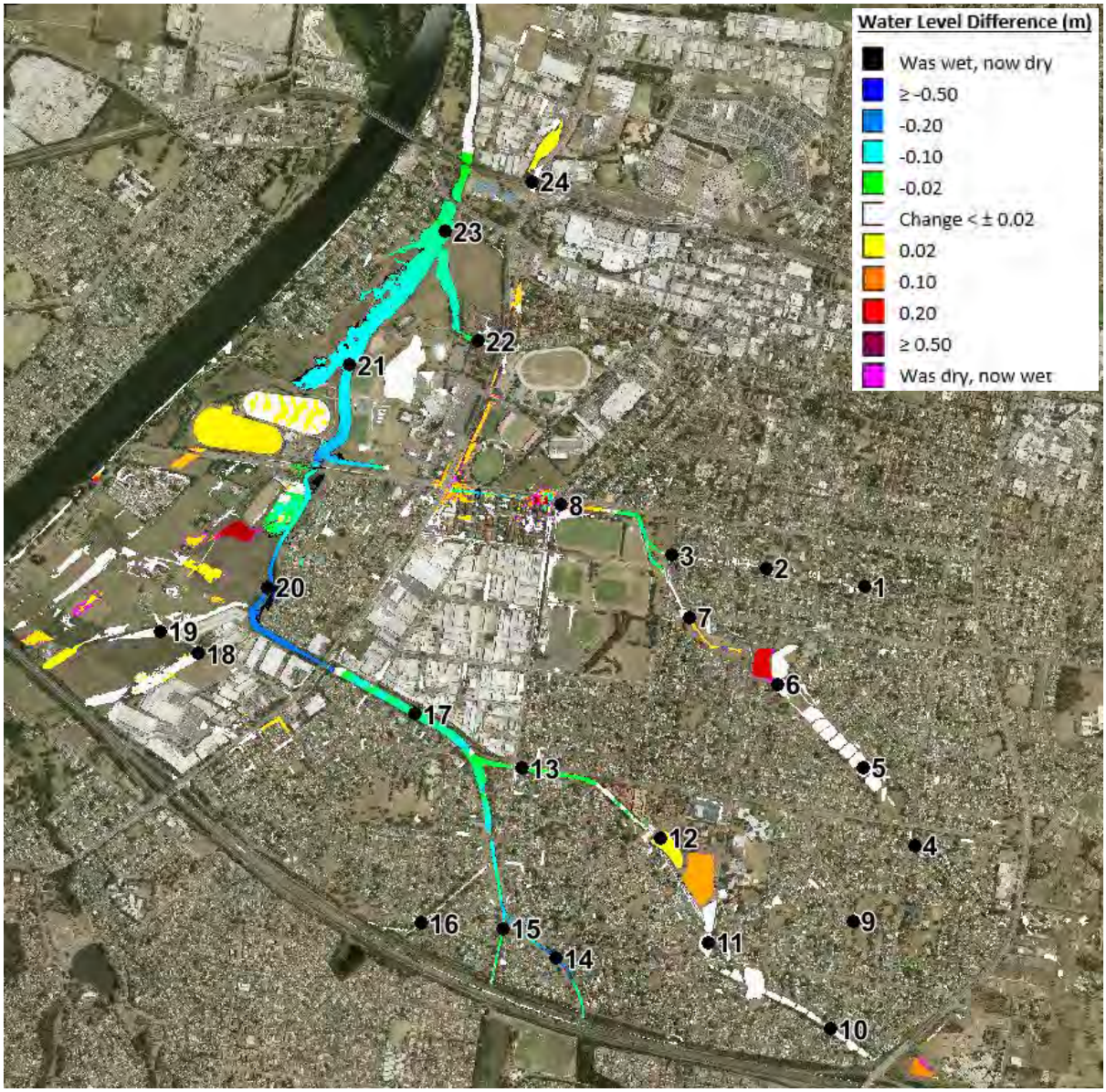


Plate O13 5% AEP Flood level difference map with decreased Manning's "n" roughness values

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with Manning's "n" roughness reduced by 20%.

The flood level reductions during the 1% AEP event are similar in magnitude and extent to the 5% AEP event. More specifically, flood level reductions are predicted to exceed 0.1 metres at some locations. However, reductions are more commonly less than 0.05 metres.

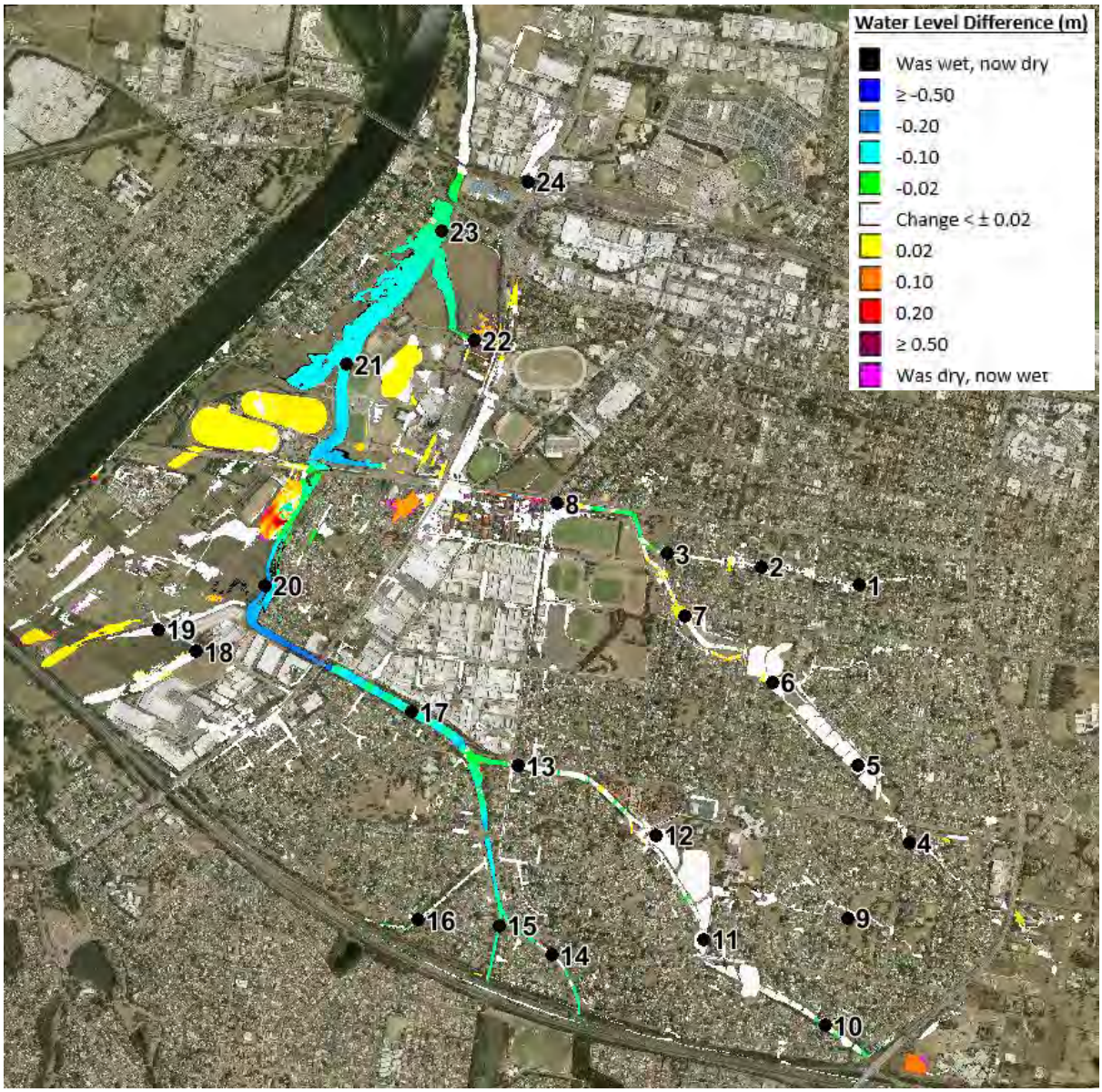


Plate O14 1% AEP Flood level difference map with decreased Manning's "n" roughness values

O1.4.2 Manning's "n" Roughness Increased by 20%

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with Manning's "n" roughness increased by 20%.

Increasing the Manning's "n" will typically increase flood levels. Increases in 5% AEP flood levels of up to 0.2 metres are anticipated at some locations although flood level increases are more commonly less than 0.1 meters.

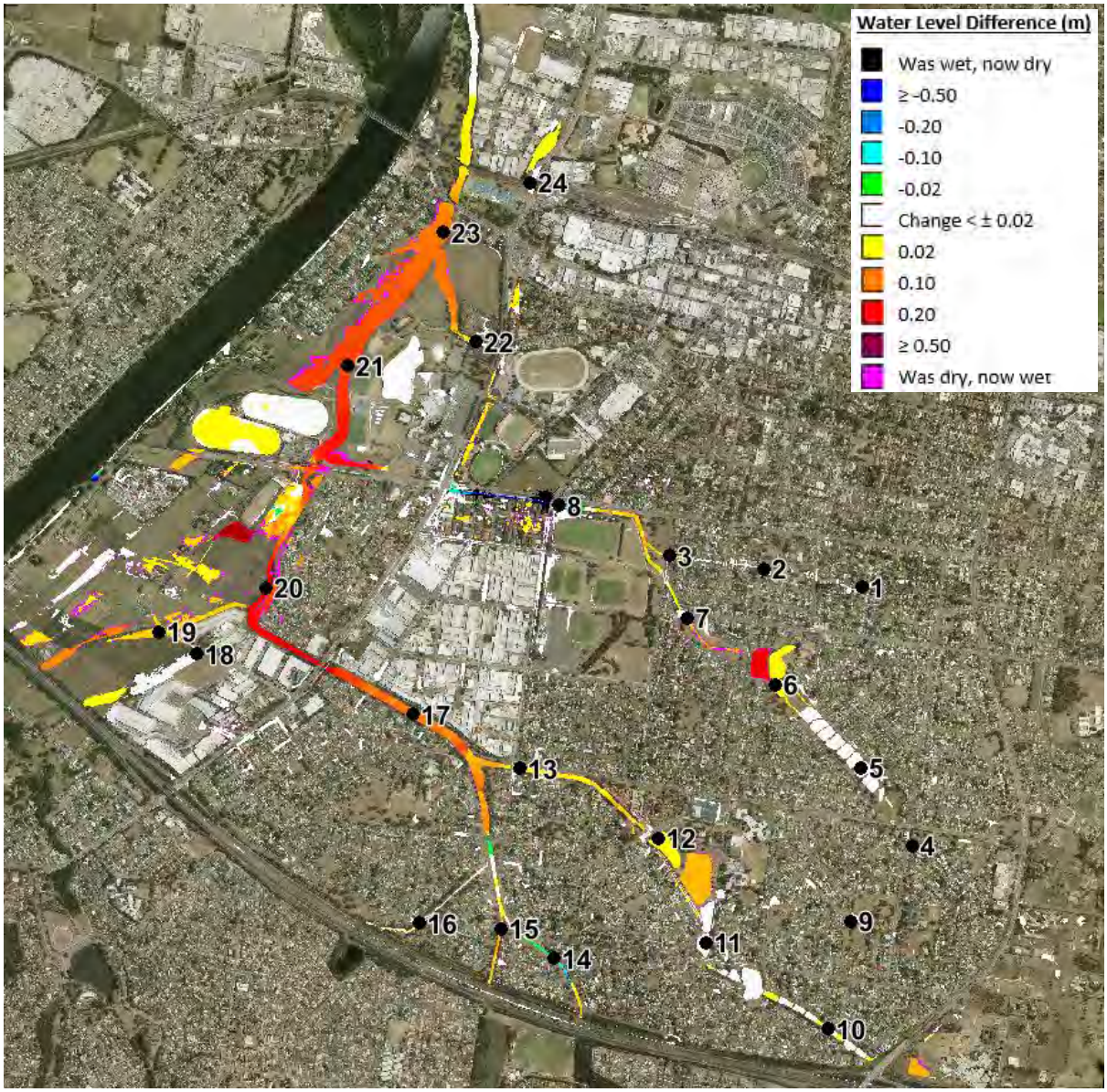


Plate O15 5% AEP Flood level difference map with increased Manning's "n" roughness values

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with Manning's "n" roughness increased by 20%.

Increasing the Manning's "n" will increase 1% AEP flood levels at most locations. Increases in 1% AEP flood levels that exceed 0.1 metres are anticipated along most of the main watercourses. Increases in flood levels along the minor watercourses and overland flow paths are typically less than 0.05 metres.

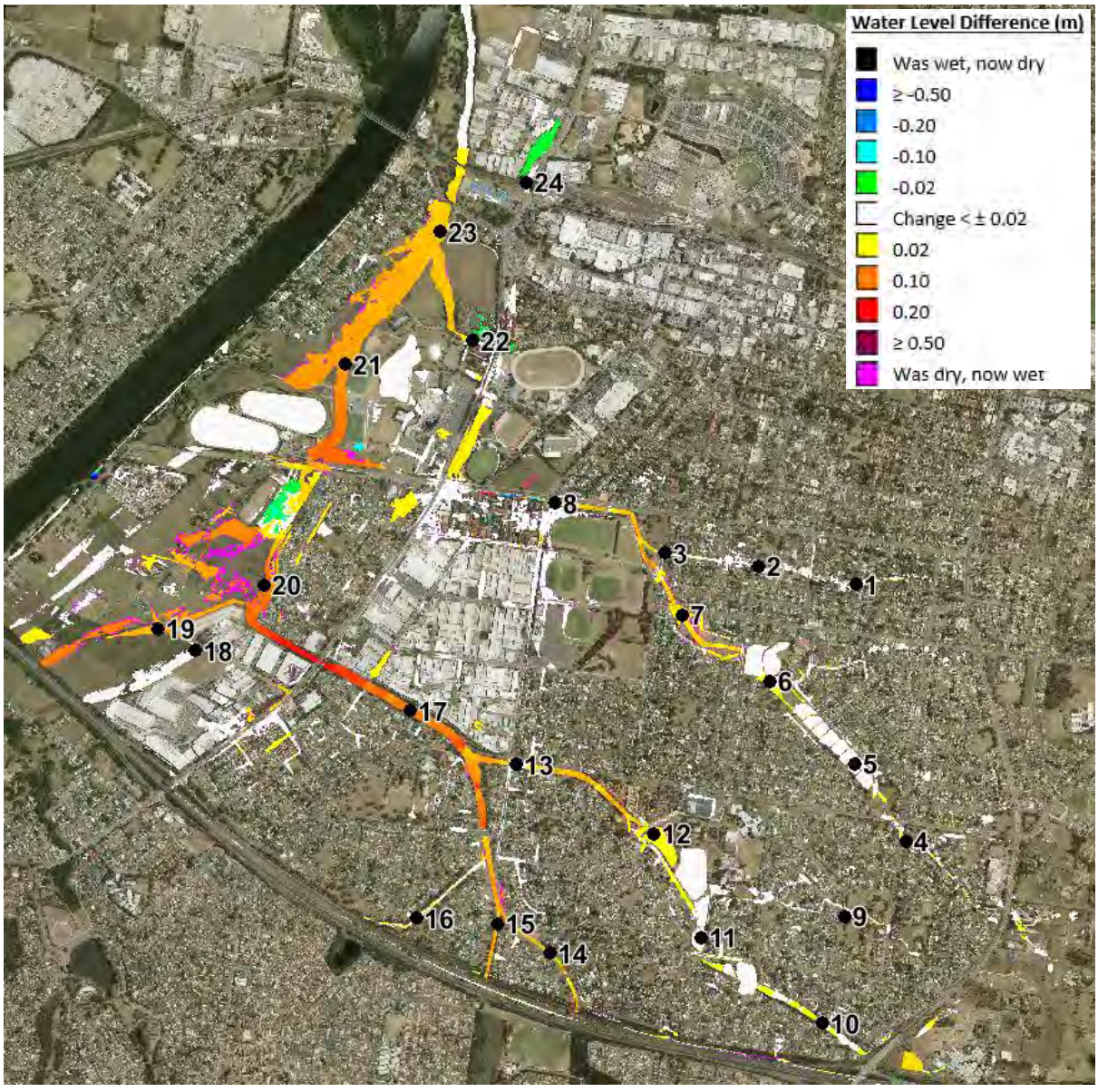


Plate O16 1% AEP Flood level difference map with increased Manning's "n" roughness values

O1.5 Hydraulic Structure Blockage

O1.5.1 No Blockage of Hydraulic Structures

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with blockage removed from all hydraulic structures (e.g., stormwater pits, bridges and culverts).

The difference mapping shows that removing blockage is predicted to generate some localised changes in 5% AEP flood levels in the immediate vicinity of some structures. However, for the most part, flood level changes are not predicted to exceed 0.02 metres.

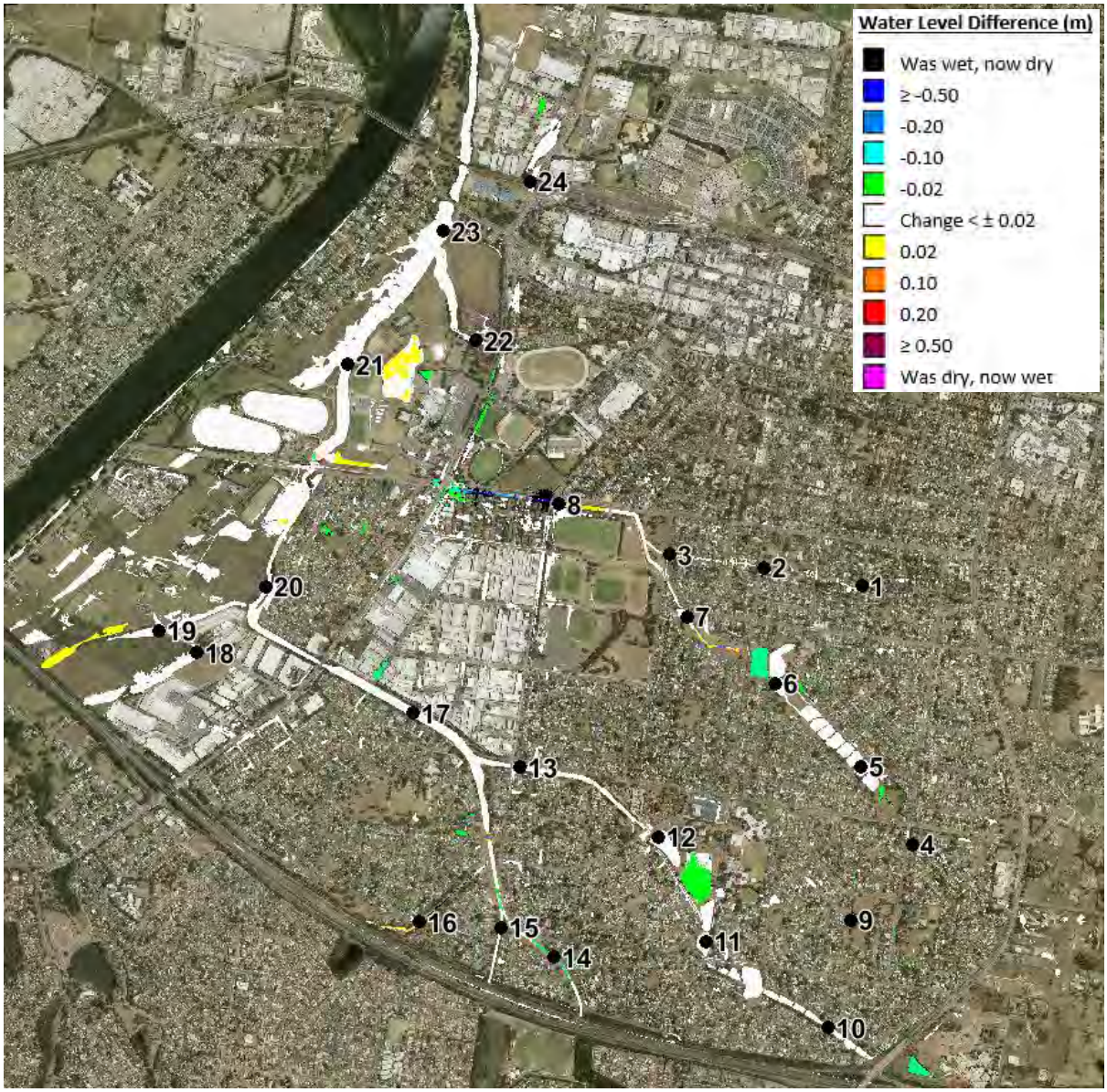


Plate O17 5% AEP Flood level difference map with no blockage of hydraulic structures

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with blockage removed from all hydraulic structures.

The difference map shows that reducing structure blockage will typically produce small reductions in flood levels upstream of structures and small increases in flood levels downstream of structures. However, the flood level changes typically do not exceed 0.05 metres.

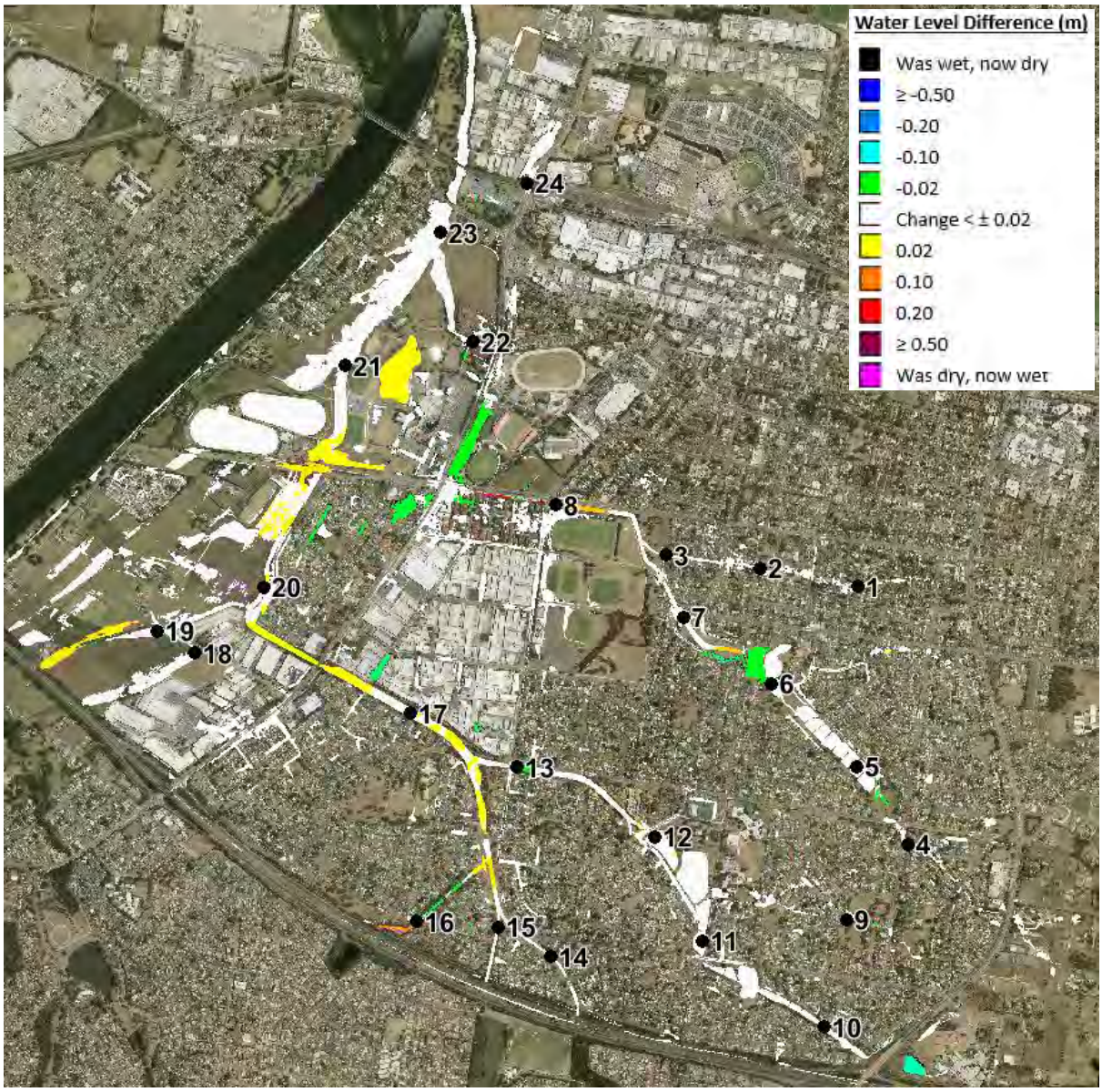


Plate O18 1% AEP Flood level difference map with no blockage of hydraulic structures

O1.5.2 Complete Blockage of Hydraulic Structures

5% AEP

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with complete blockage applied to all hydraulic structures (e.g., stormwater pits, bridges and culverts).

The difference mapping shows that 5% AEP flood levels are predicted to increase by over 2 metres at some locations and are driven by the significantly elevated embankments at these locations. There are predicted to be some commensurate decreases in water level downstream of these significant embankment structures which are associated with the "damming" effect provided by the embankment. Accordingly, complete blockage of hydraulic structures is predicted to have a notable impact on design flood levels across the study area.

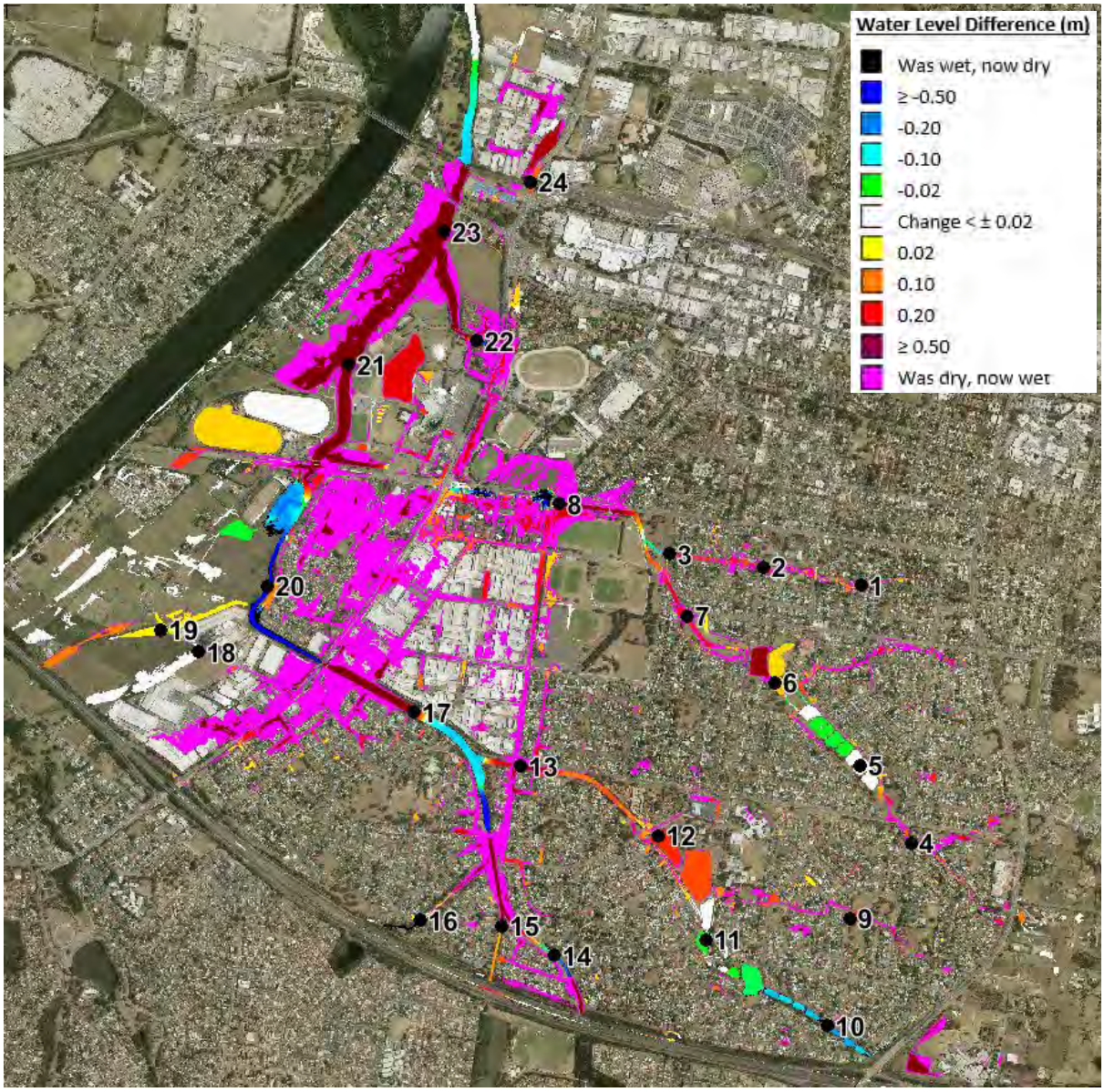


Plate O19 5% AEP Flood level difference map with complete blockage of hydraulic structures

1% AEP

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with complete blockage applied to all hydraulic structures (e.g., stormwater pits, bridges and culverts).

The flood level differences during the 1% AEP event are similar to the 5% AEP events, with some localised areas being exposed to flood level increases of over 2 metres. The Surveyors Creek crossing of Mulgoa Road appears to be the most significantly impacted crossing with regard to complete blockage. This outcome emphasises the need to ensure key drainage infrastructure and bridges and culverts are well maintained (i.e., debris is removed on a regular basis).

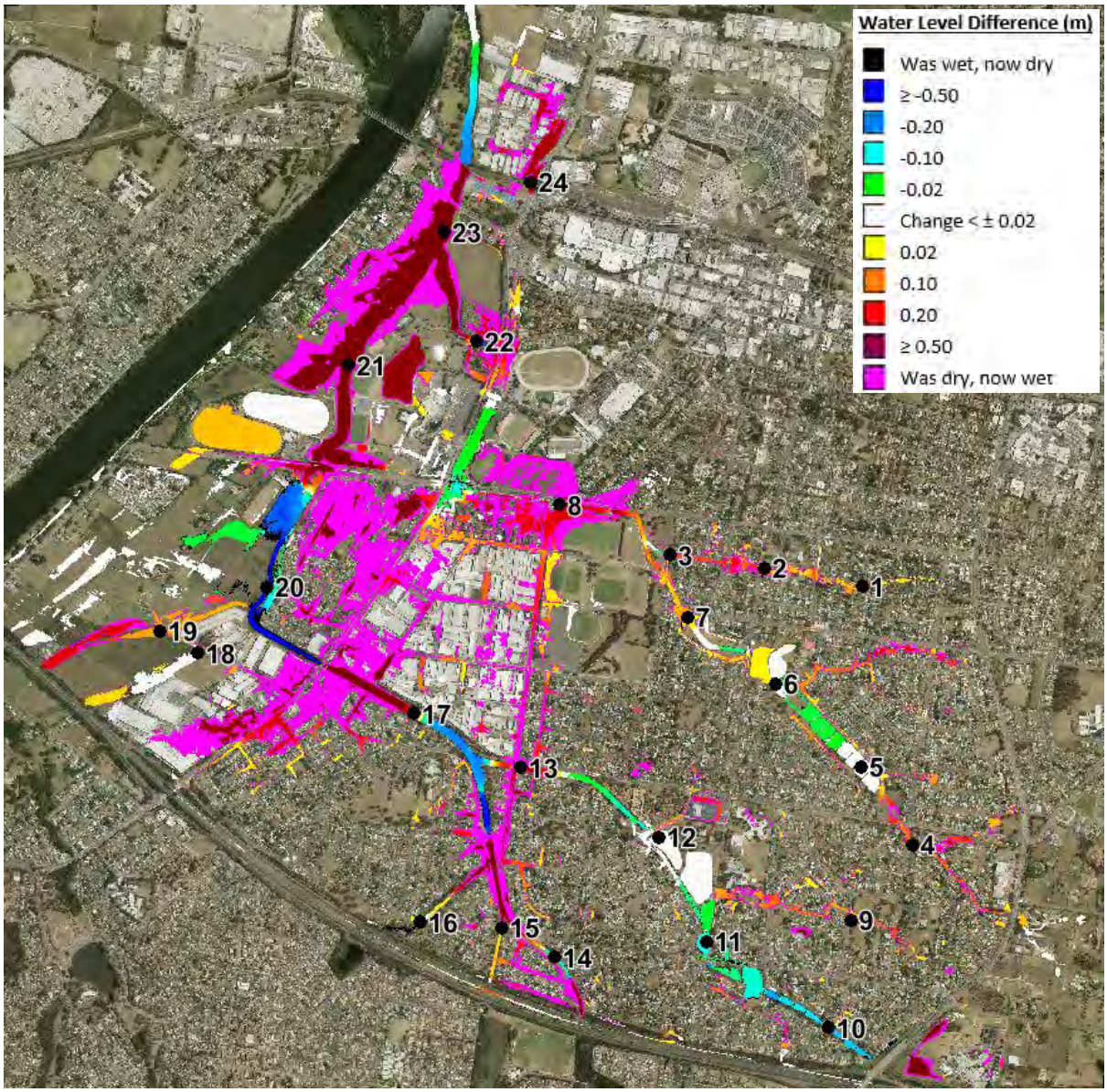


Plate O20 1% AEP Flood level difference map with complete blockage of hydraulic structures

O1.6 Nepean River Water Level

O1.6.1 1% AEP Local Catchment Flood with 1% AEP Nepean River Flood

The following flood level difference map was prepared by subtracting design flood levels from the 'base' 1% AEP local catchment flood simulation (with 5% AEP Nepean River water level) from the 1% AEP local catchment simulation with a 1% AEP Nepean River water level.

The difference mapping shows that adopting a 1% AEP Nepean River flood level will increase flood levels and extents across much of the lower catchment area. Peak flood levels are predicted to increase by over 1 metre across most of the lower catchment area with some area exposed to increases of over 2 metres. The differences are primarily contained to the area west of Mulgoa Road.

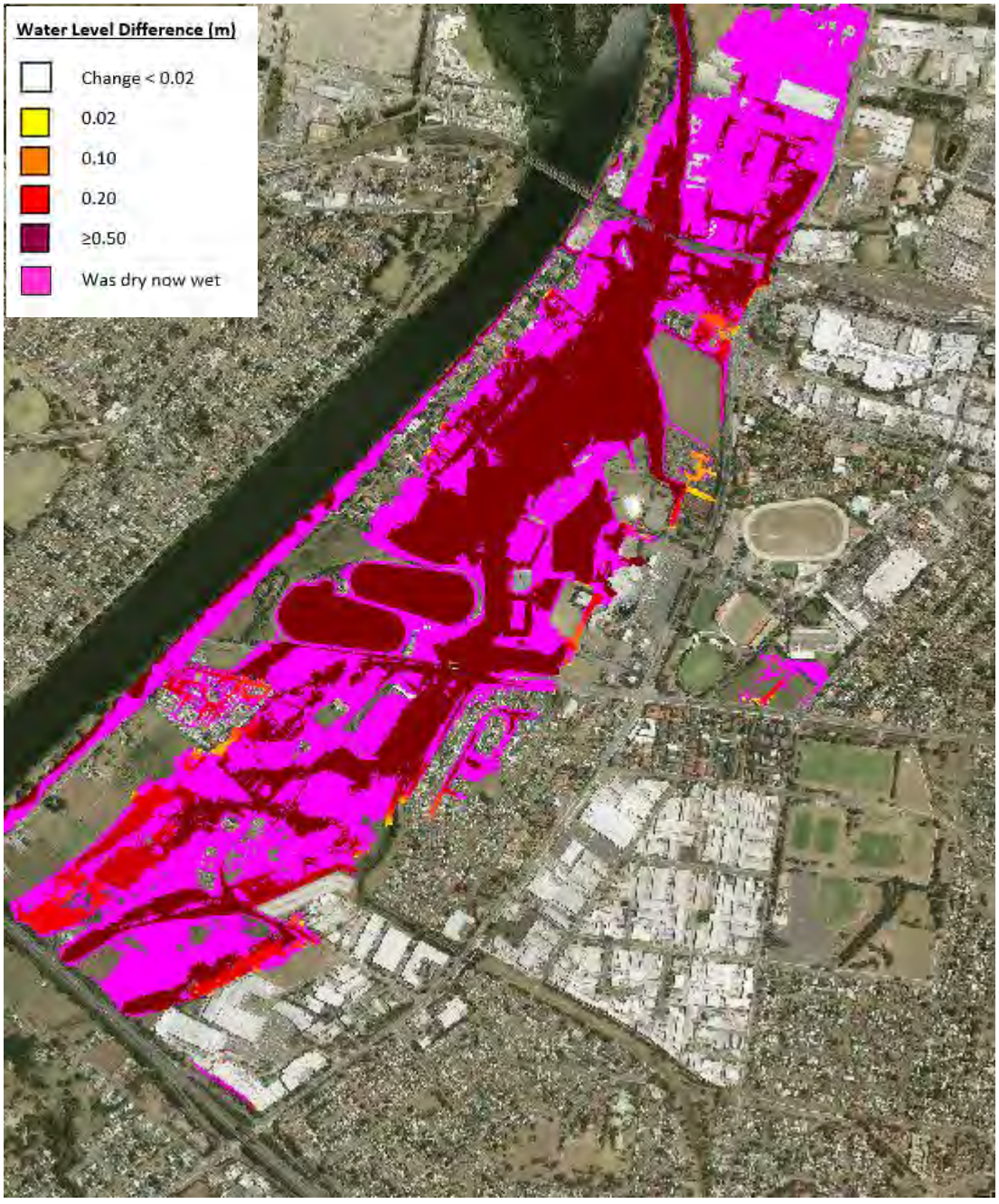


Plate O21 Flood level difference map for 1% AEP local catchment flood with 1% AEP Nepean River flood level

O1.6.2 1% AEP Local Catchment Flood with 0.5% AEP Nepean River Flood

The following flood level difference map was prepared by subtracting design flood levels from the 'base' 1% AEP local catchment flood simulation (with 5% AEP Nepean River water level) from the 1% AEP local catchment simulation with a 0.5% AEP Nepean River water level.

The difference mapping shows that adopting a 0.5% AEP Nepean River flood level will increase peak flood levels across the lower catchment area by over 3 metres across most of the lower catchment area (increases of over 4 metres are predicted at some locations). The differences are primarily contained to the area west of Mulgoa Road. However, some areas immediately east of Mulgoa Road are also predicted to be impacted.

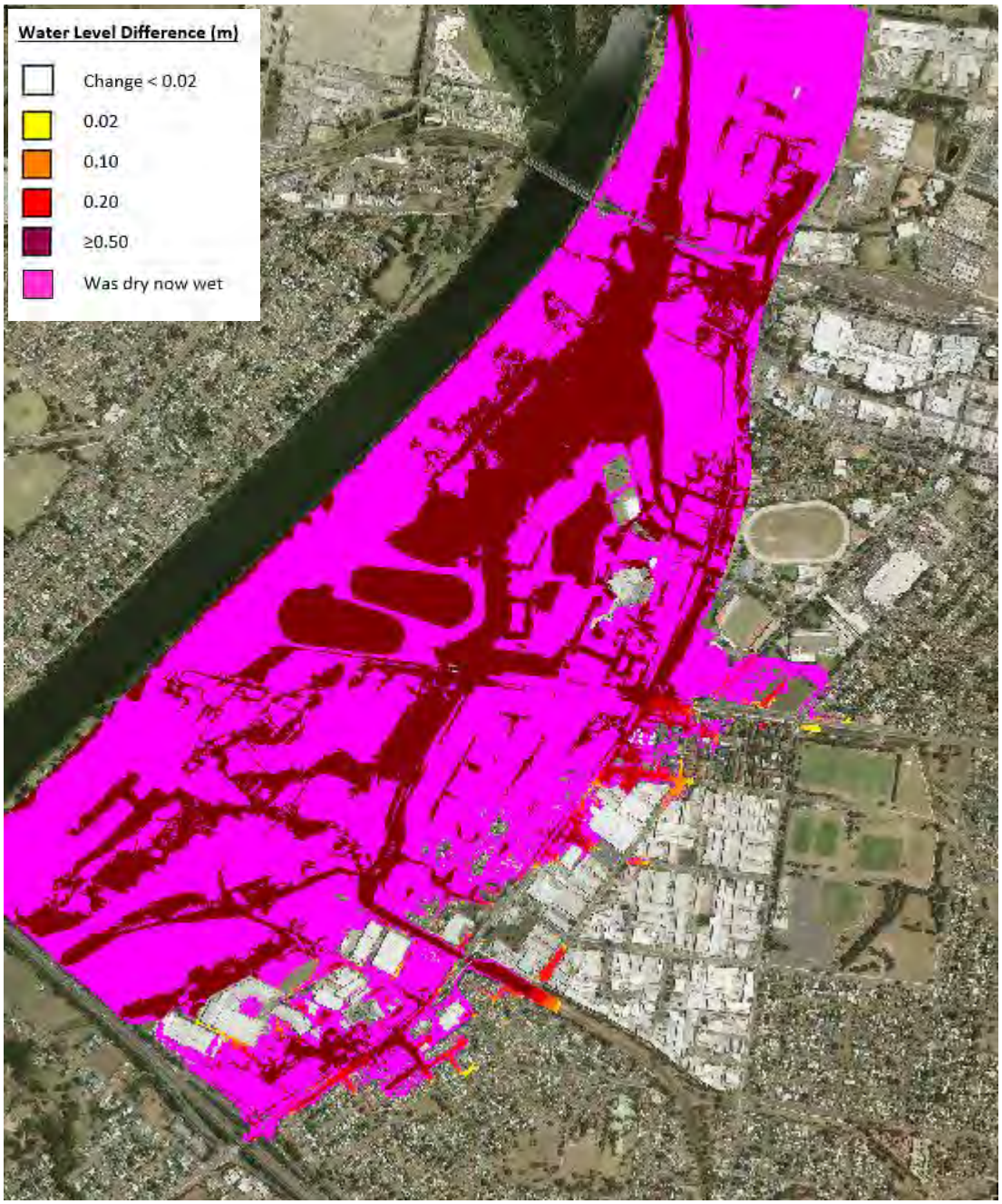


Plate O22 Flood level difference map for 1% AEP local catchment flood with 0.5% AEP Nepean River flood level

O1.6.3 1% AEP Local Catchment Flood with Probable Maximum Nepean River Flood

The following flood level difference map was prepared by subtracting design flood levels from the 'base' 1% AEP local catchment flood simulation (with 5% AEP Nepean River water level) from the 1% AEP local catchment simulation with a PMF Nepean River water level.

The difference mapping shows that adopting a PMF AEP Nepean River flood level will produce significant increases in flood levels and extents across the lower catchment area. Flood level increase of over 5 metres are common with some areas predicted to be exposed to increases of over 7 metres. The differences extend across a large area extending from the banks of the Nepean River as far east as Jamison Park.

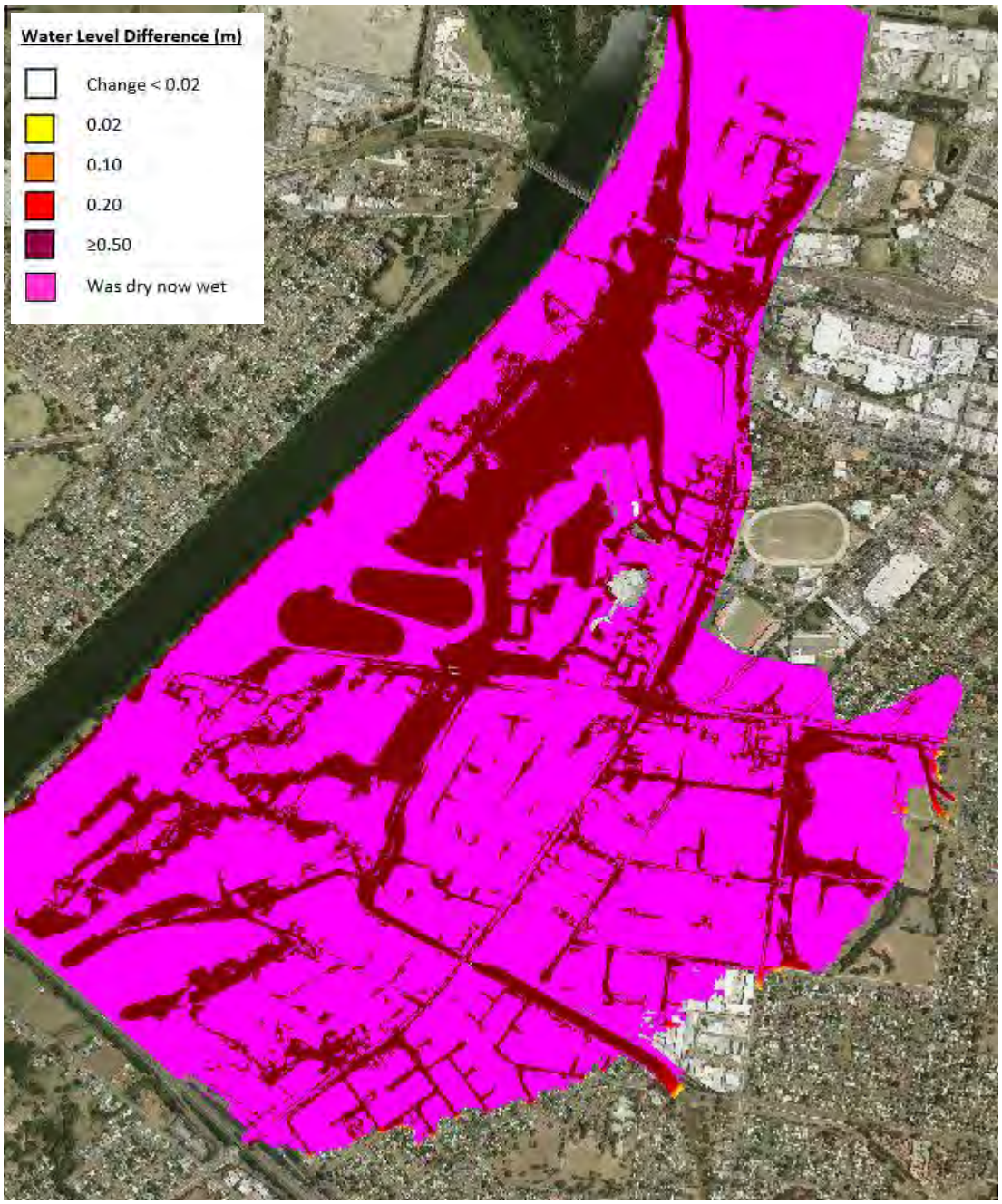


Plate O23 Flood level difference map for 1% AEP local catchment flood with PMF Nepean River flood level

O1.3.1 5% AEP Local Catchment Flood with 1% AEP Nepean River Flood

The following flood level difference map was prepared by subtracting design flood levels from the 'base' 1% AEP local catchment flood simulation (with 5% AEP Nepean River water level) from the 5% AEP local catchment simulation with a 1% AEP Nepean River water level.

The difference mapping shows that flood levels east of Mulgoa Road are predicted to be lower as flooding across this section of the catchment is dominated by local catchment runoff. The difference between the 5% AEP and 1% AEP levels in these areas is typically 0.1 and 0.15 metres. In areas to the west of Mulgoa Road, Nepean River 1% AEP flood levels dominate. Peak 1% AEP Nepean River levels are predicted to be more than 1.5 metre higher than 5% AEP levels, with some areas being exposed to flood level differences that exceed 2 metres.

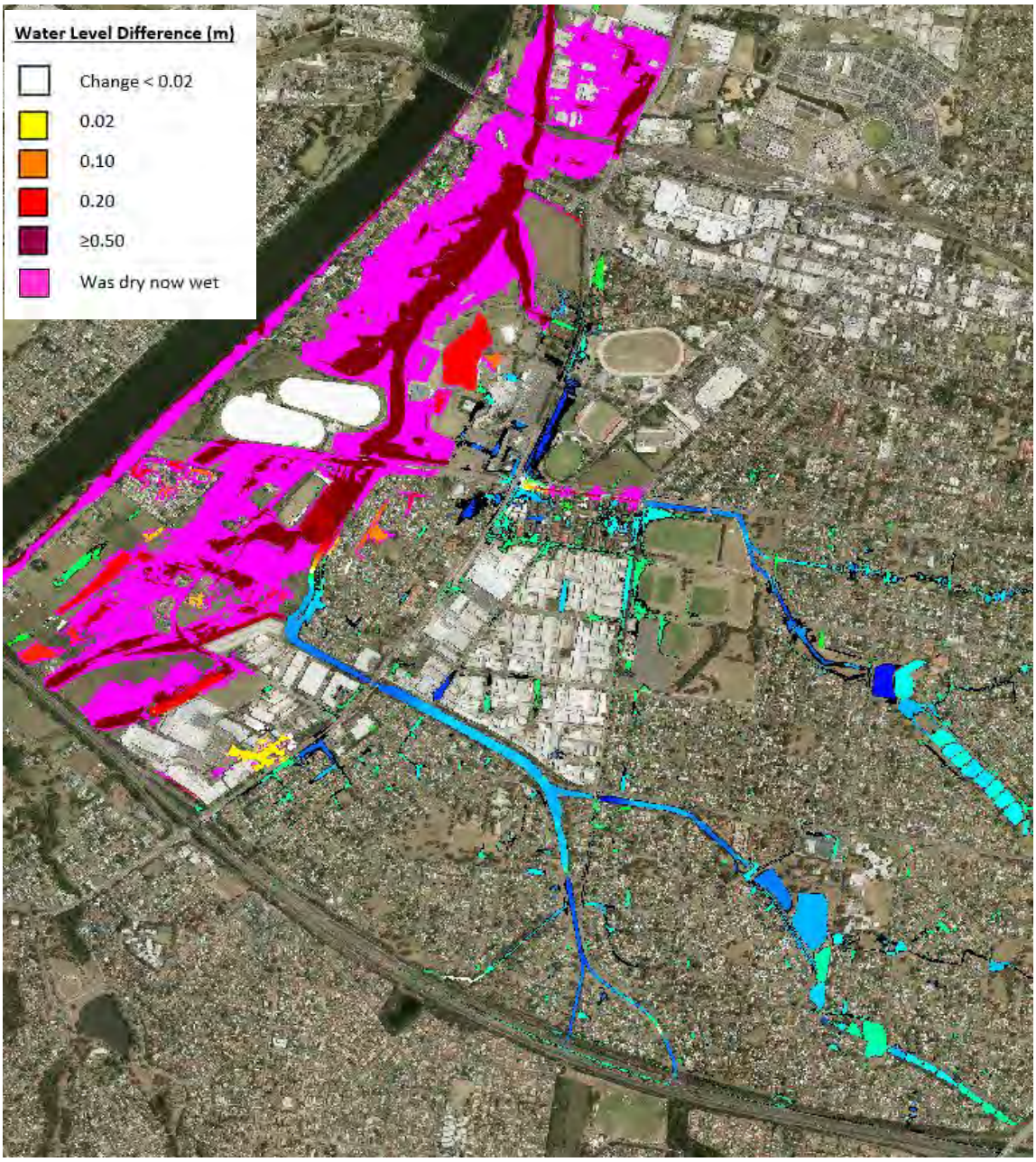


Plate O24 Flood level difference map for 5% AEP local catchment flood with 1% AEP Nepean River flood level

O1.7 Future Development

O1.7.1 5% AEP Flood

The following flood level difference map was prepared by subtracting peak 5% AEP flood levels from the 'base' flood simulation from the 5% AEP simulation with catchment impervious increased and catchment runoff decreased to reflect future catchment development conditions.

The difference mapping shows that future development has the potential to cause small increases in 5% AEP flood levels. However, the flood level changes typically do not exceed 0.05 metres.

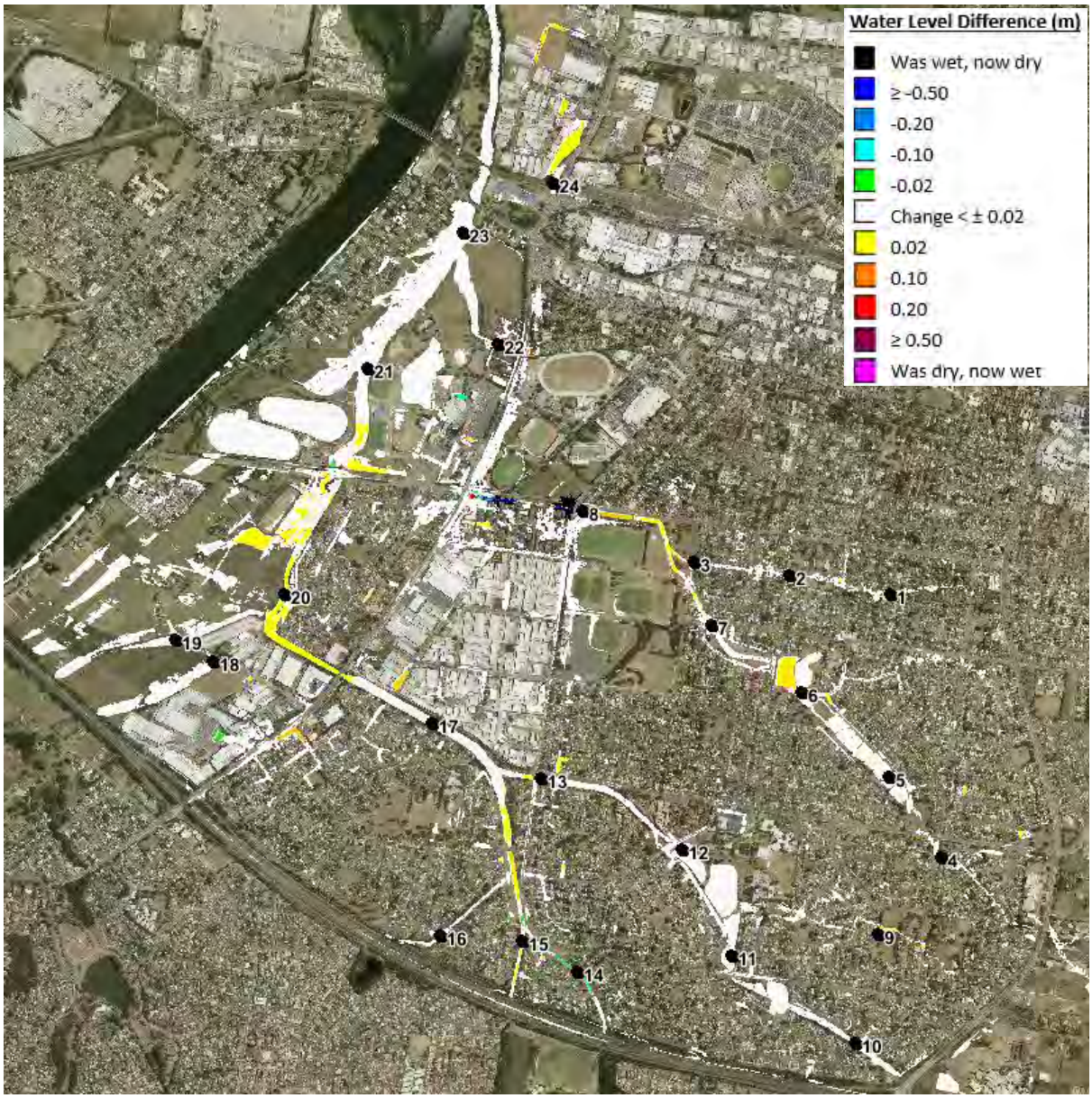


Plate O25 5% AEP Flood level difference map for potential future catchment conditions

O1.7.1 1% AEP Flood

The following flood level difference map was prepared by subtracting peak 1% AEP flood levels from the 'base' flood simulation from the 1% AEP simulation with catchment impervious increased and catchment runoff decreased to reflect future catchment development conditions.

The difference mapping shows that future development has the potential to cause small increases in 1% AEP flood levels. The flood level changes typically do not exceed 0.05 metres although some more significant differences (~0.1 metres) are predicted in the vicinity of some culvert crossings.

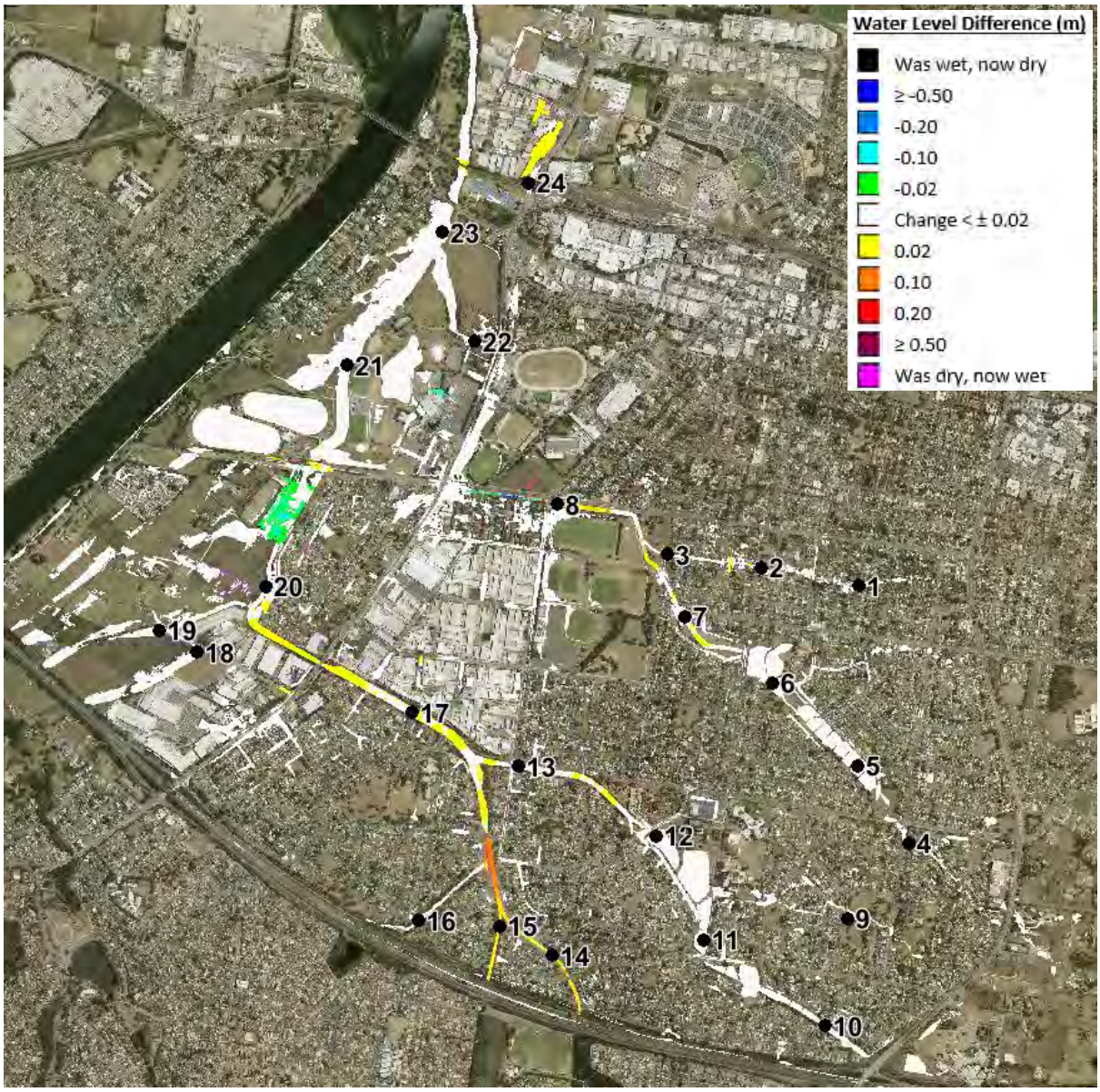


Plate O26 1% AEP Flood level difference map for potential future catchment conditions

O1.7.1 0.5% AEP Flood

The following flood level difference map was prepared by subtracting peak 0.5% AEP flood levels from the 'base' flood simulation from the 0.5% AEP simulation with catchment impervious increased and catchment runoff decreased to reflect future catchment development conditions.

The difference mapping shows that future development has the potential to cause small increases in 0.5% AEP flood levels. The flood level changes typically do not exceed 0.05 metres although increases approach 0.1 metres at some locations.

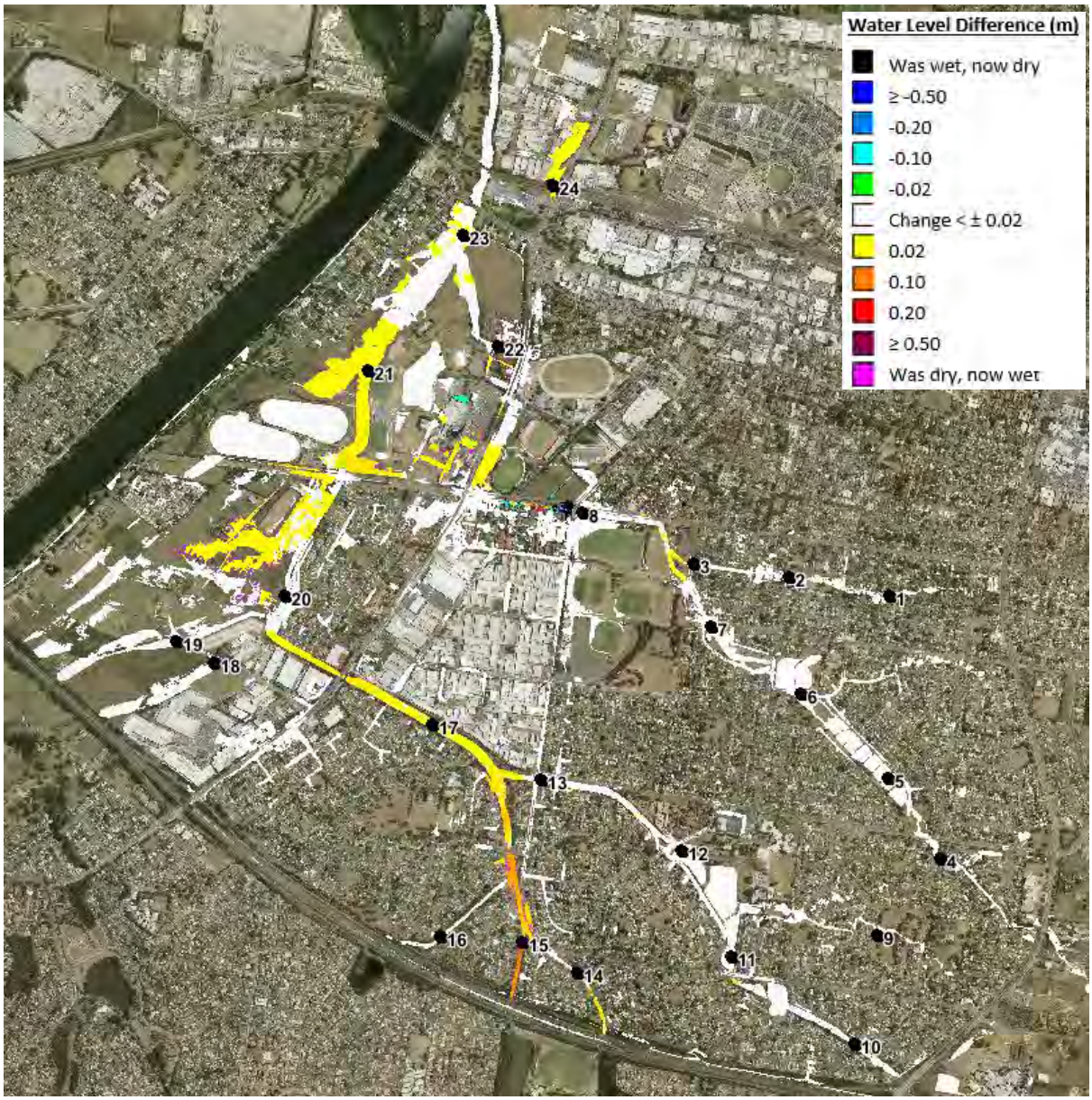
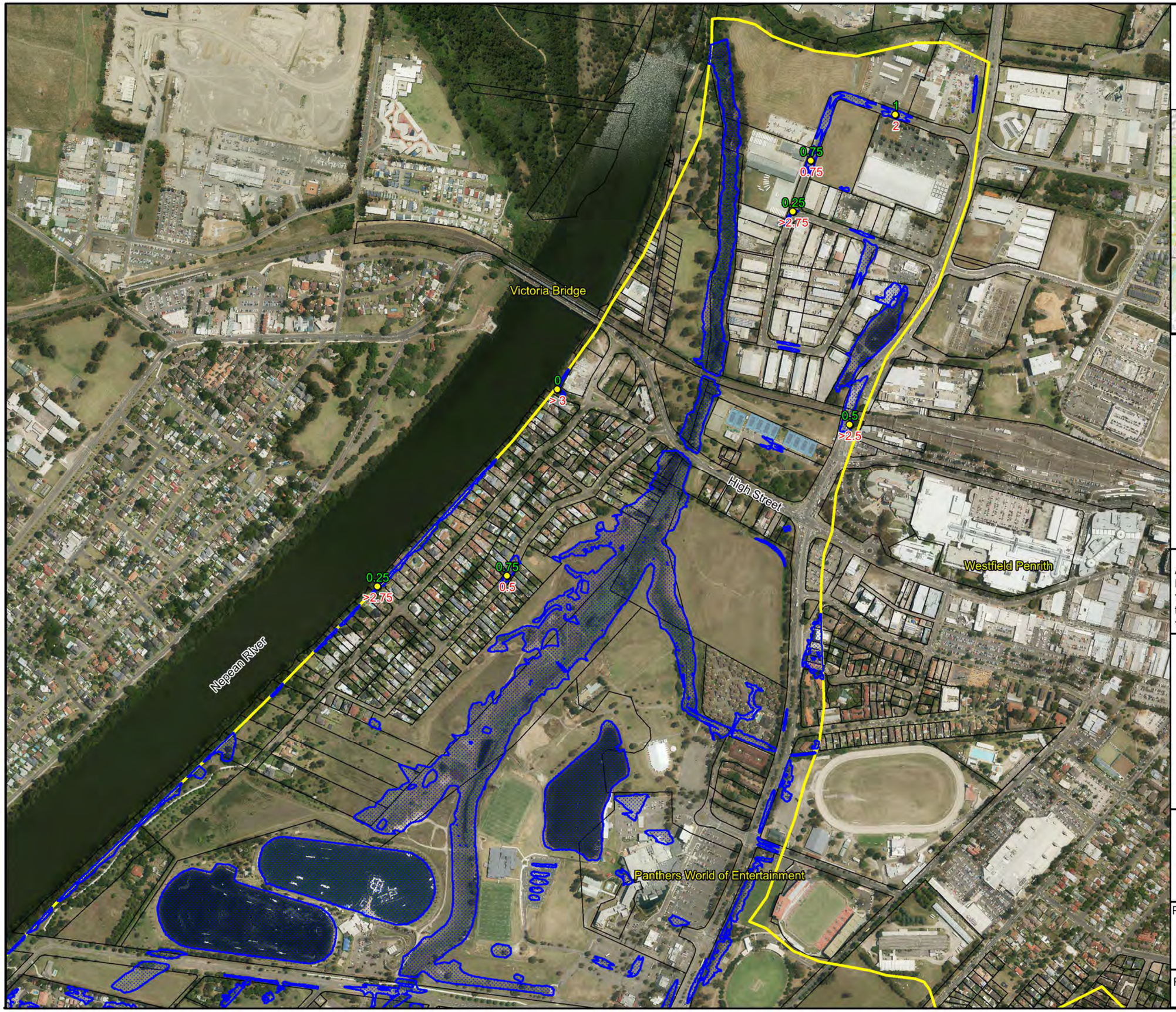


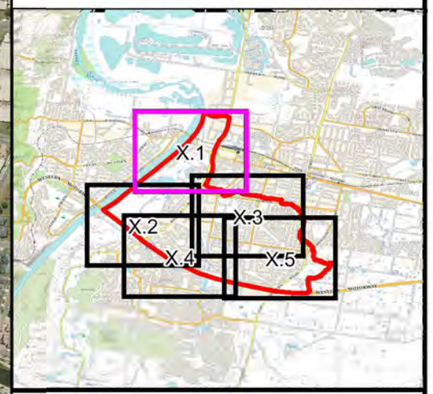
Plate O27 0.5% AEP Flood level difference map for potential future catchment conditions

APPENDIX P

ROAD OVERTOPPING LOCATIONS

PENRITH CITY COUNCIL





LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N W E S

Scale 1:8,000 (at A3)

0 0.25 0.5 Km

Figure P1.1: Road Overtopping Locations for the 5% AEP Local Catchment Flood

Prepared By:

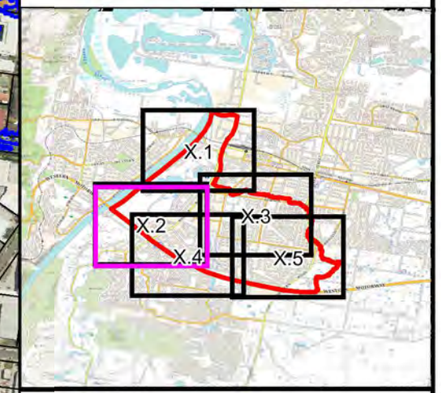
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP1.1 - Roadtop 5%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P1.2: Road Overtopping Locations for the 5% AEP Local Catchment Flood

Prepared By:

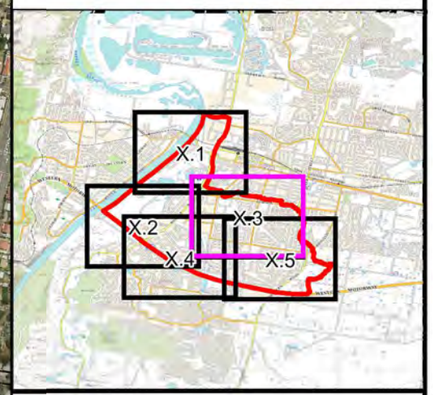
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP1.2 - Roadtop 5%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P1.3: Road Overtopping Locations for the 5% AEP Local Catchment Flood

Prepared By:

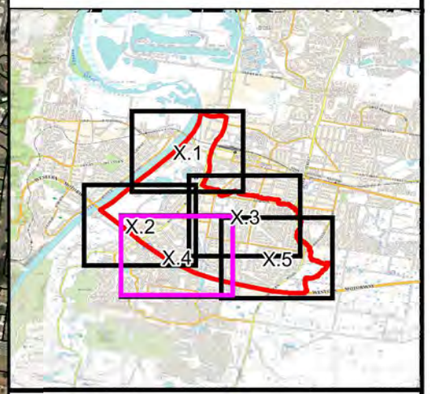
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP1.3 - Roadtop 5%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

M4 Western Motorway

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

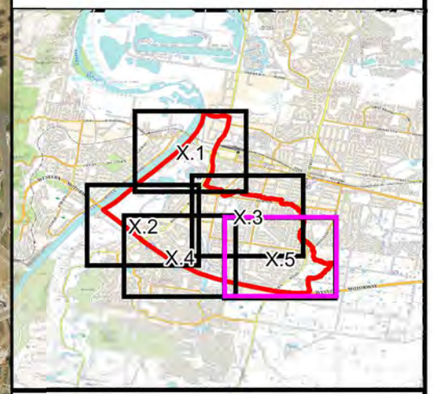
Km

Figure P1.4: Road Overtopping Locations for the 5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigP1.4 - Roadtop 5%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P1.5: Road Overtopping Locations for the 5% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

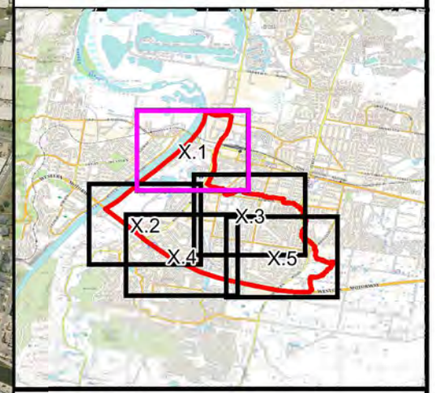
File Name: FigP1.5 - Roadtop 5%AEP Flood.wor

Southlands Shopping Centre

The Northern Road

Penrith Christain School

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P2.1: Road Overtopping Locations for the 1% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP2.1 - Roadtop 1%AEP Flood.wor

Victoria Bridge

Nepean River

High Street

Westfield Penrith

Panthers World of Entertainment

0.5
2.5

0.5
1.25

0.25
>2.75

0.5
0.75

0.75
0.25

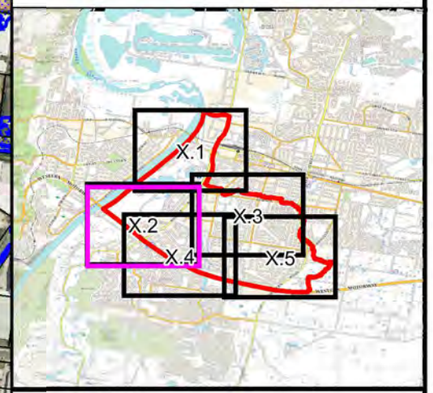
0.25
>2.75

0
>3

0.25
>2.75

0.25
1.25

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N W E S

Scale 1:8,000 (at A3)

0 0.25 0.5 Km

Figure P2.2: Road Overtopping Locations for the 1% AEP Local Catchment Flood

Prepared By:

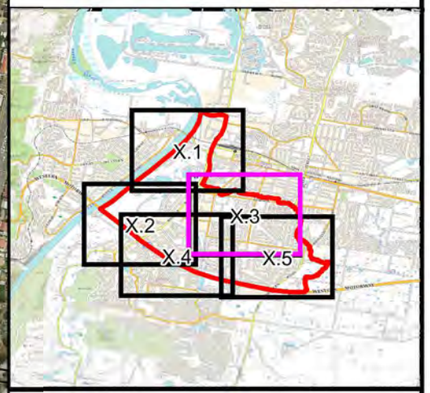
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP2.2 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P2.3: Road Overtopping Locations for the 1% AEP Local Catchment Flood

Prepared By:

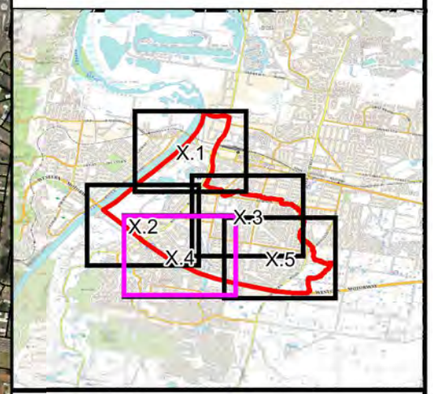
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP2.3 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

M4 Western Motorway

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P2.4: Road Overtopping Locations for the 1% AEP Local Catchment Flood

Prepared By:

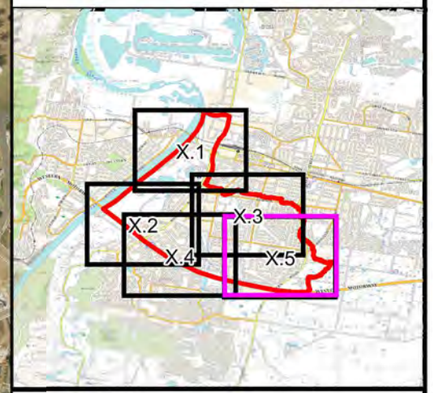
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP2.4 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P2.5: Road Overtopping Locations for the 1% AEP Local Catchment Flood

Prepared By:

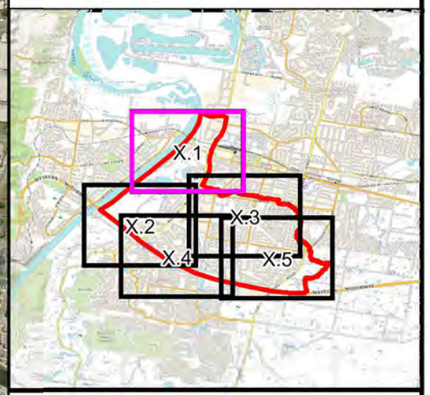
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP2.5 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

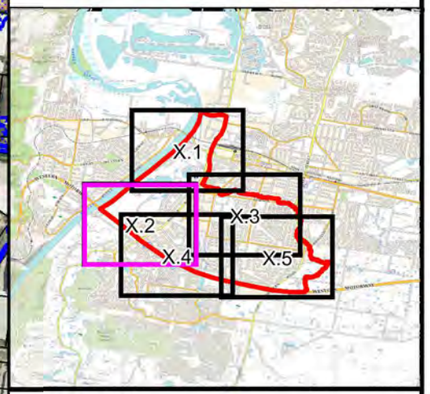
Figure P3.1: Road Overtopping Locations for the 1%AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigP3.1 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P3.2: Road Overtopping Locations for the 1%AEP Flood

Prepared By:

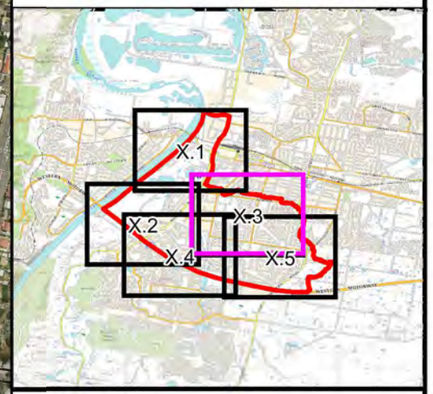
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP3.2 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

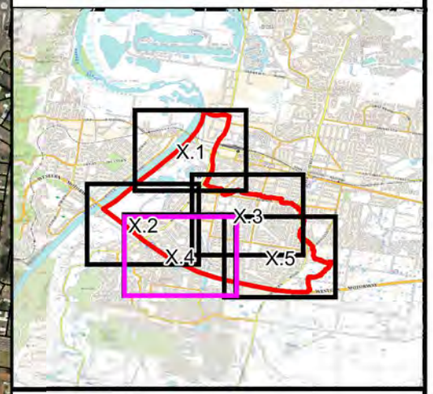
Figure P3.3: Road Overtopping Locations for the 1%AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigP3.3 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N W E S

Scale 1:8,000 (at A3)

0 0.25 0.5 Km

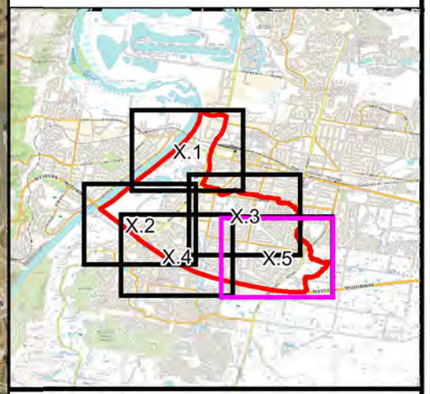
Figure P3.4: Road Overtopping Locations for the 1%AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigP3.4 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P3.5: Road Overtopping Locations for the 1%AEP Flood

Prepared By:

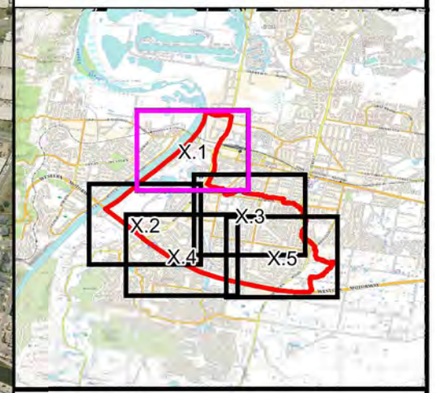
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP3.5 - Roadtop 1%AEP Flood.wor

PENRITH CITY COUNCIL



Victoria Bridge

Nepean River

High Street

Westfield Penrith

Panthers World of Entertainment

0
>3

0.5
2.5

0.5
1.5

0.25
>2.75

0.5
0.75

0.25
0.5

1
>2

0.25
>2.75

0.25
>2.75

0.25
1.75

0.5
0.75

1.25
0.75

0.75
1.5

1.25
1

LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P4.1: Road Overtopping Locations for the 0.5% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP4.1 - Roadtop 0.5%AEP Flood.wor

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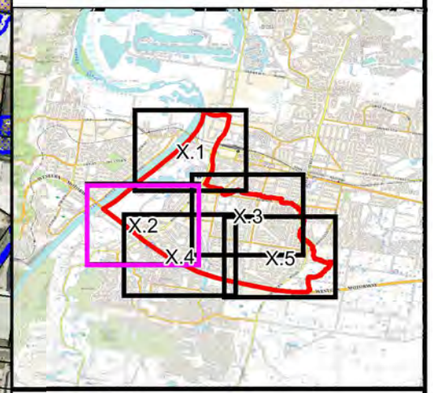


LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P4.2: Road Overtopping Locations for the 0.5% AEP Local Catchment Flood

Prepared By:

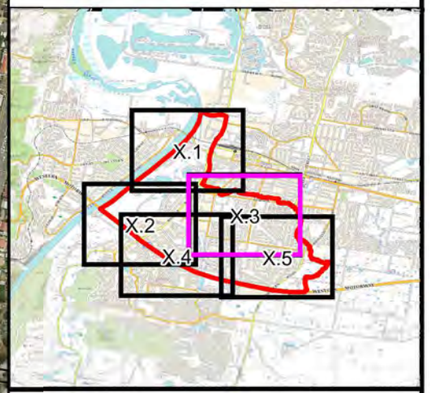
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP4.2 - Roadtop 0.5%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P4.3: Road Overtopping Locations for the 0.5% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP4.3 - Roadtop 0.5%AEP Flood.wor

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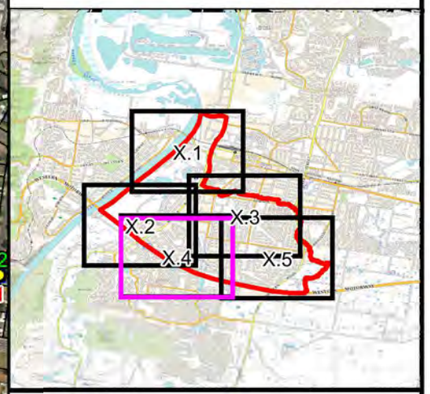

LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

M4 Western Motorway

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P4.4: Road Overtopping Locations for the 0.5% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP4.4 - Roadtop 0.5%AEP Flood.wor

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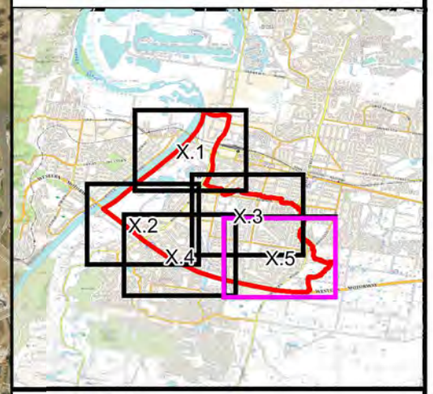


LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P4.5: Road Overtopping Locations for the 0.5% AEP Local Catchment Flood

Prepared By:

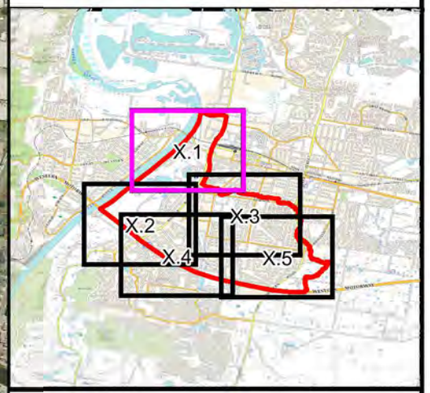
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP4.5 - Roadtop 0.5%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Victoria Bridge

Nepean River

High Street

Westfield Penrith

Panthers World of Entertainment

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N W E S

Scale 1:8,000 (at A3)

0 0.25 0.5 Km

Figure P5.1: Road Overtopping Locations for the Local Catchment PMF

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP5.1 - Roadtop PMF Flood.wor

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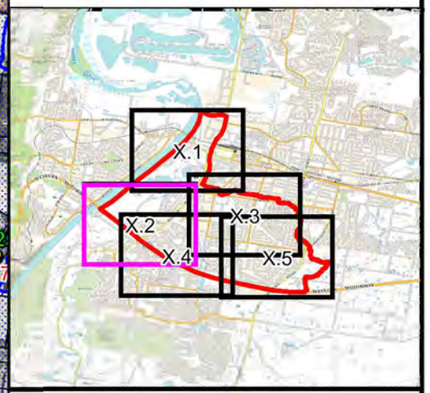


LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P5.2: Road Overtopping Locations for the Local Catchment PMF

Prepared By:

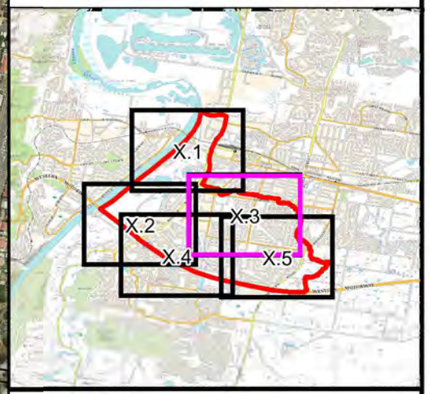
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP5.2 - Roadtop PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P5.3: Road Overtopping Locations for the Local Catchment PMF

Prepared By:

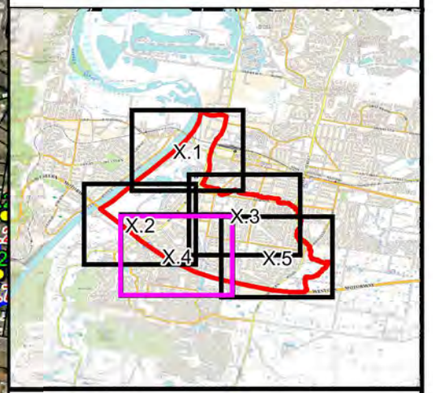
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigP5.3 - Roadtop PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

M4 Western Motorway

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N W E S

Scale 1:8,000 (at A3)

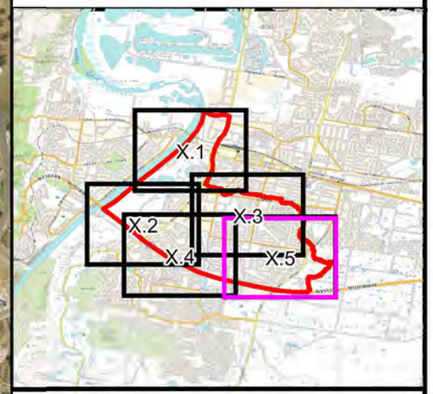
0 0.25 0.5 Km

Figure P5.4: Road Overtopping Locations for the Local Catchment PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigP5.4 - Roadtop PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

Inundation Extent

Road Overtopping Location

0.25 Time of Road First Overtopping (hours)

0.75 Duration of Overtopping (hours)

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure P5.5: Road Overtopping Locations for the Local Catchment PMF

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

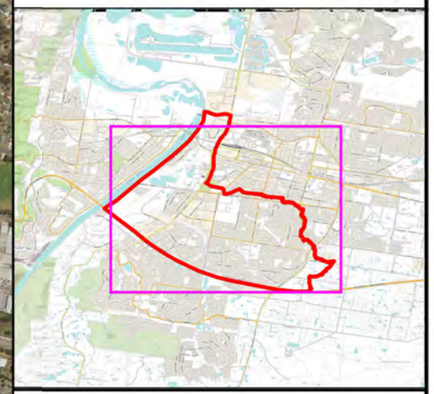
Sydney, NSW 2000

File Name: FigP5.5 - Roadtop PMF Flood.wor

APPENDIX Q

STAGE HYDROGRAPHS

PENRITH
CITY COUNCIL



LEGEND

- Peach Tree & Lower Surveyors Creek Study Area
- Stage Hydrograph Location

Notes:
Aerial photograph date: 2016

N
W E
S

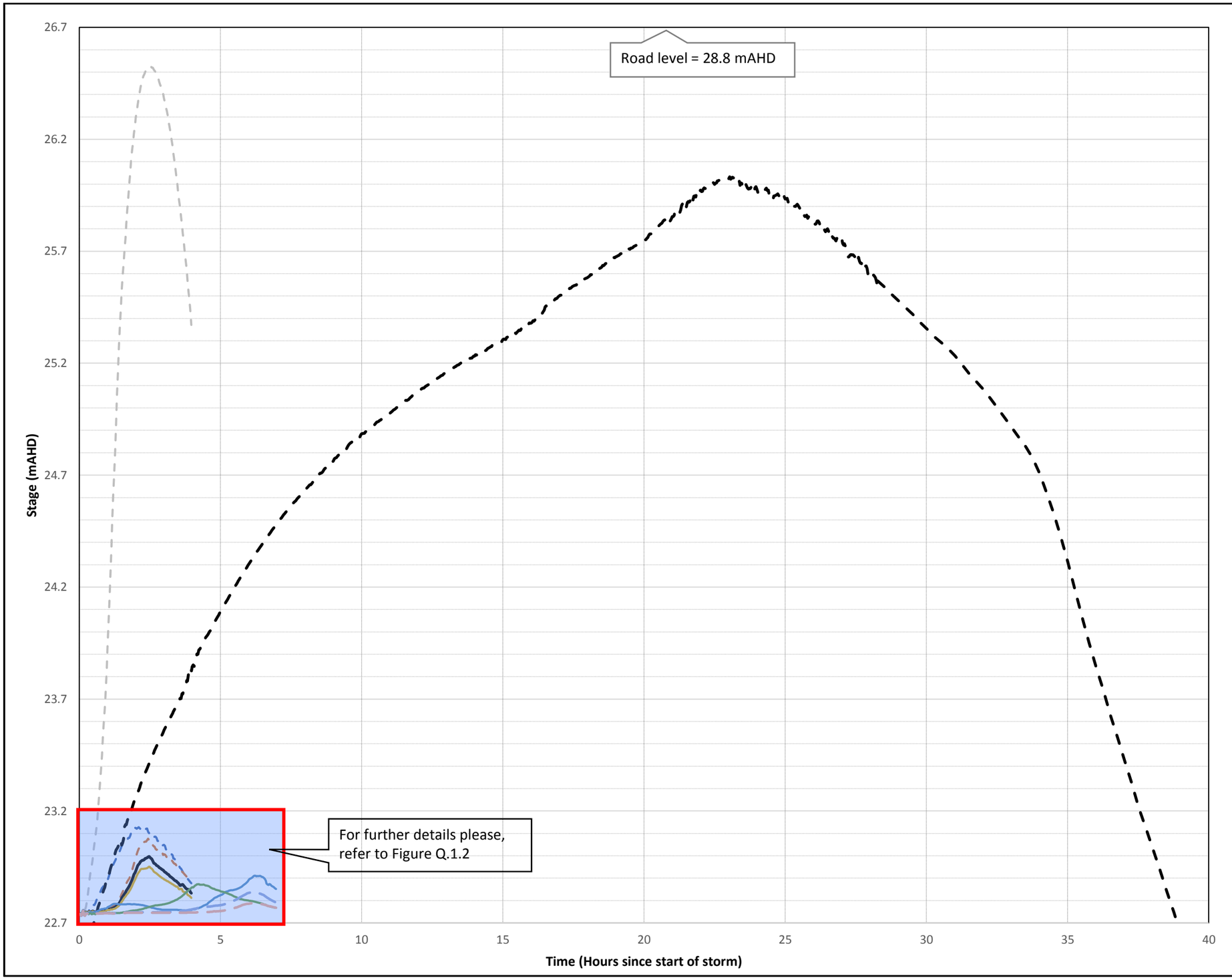
Scale 1:16,000 (at A3)

0 0.5 1.0
Km

Figure Q1: Stage Hydrograph Locations

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Hydrograph Locations wor



PENRITH CITY COUNCIL

LEGEND:

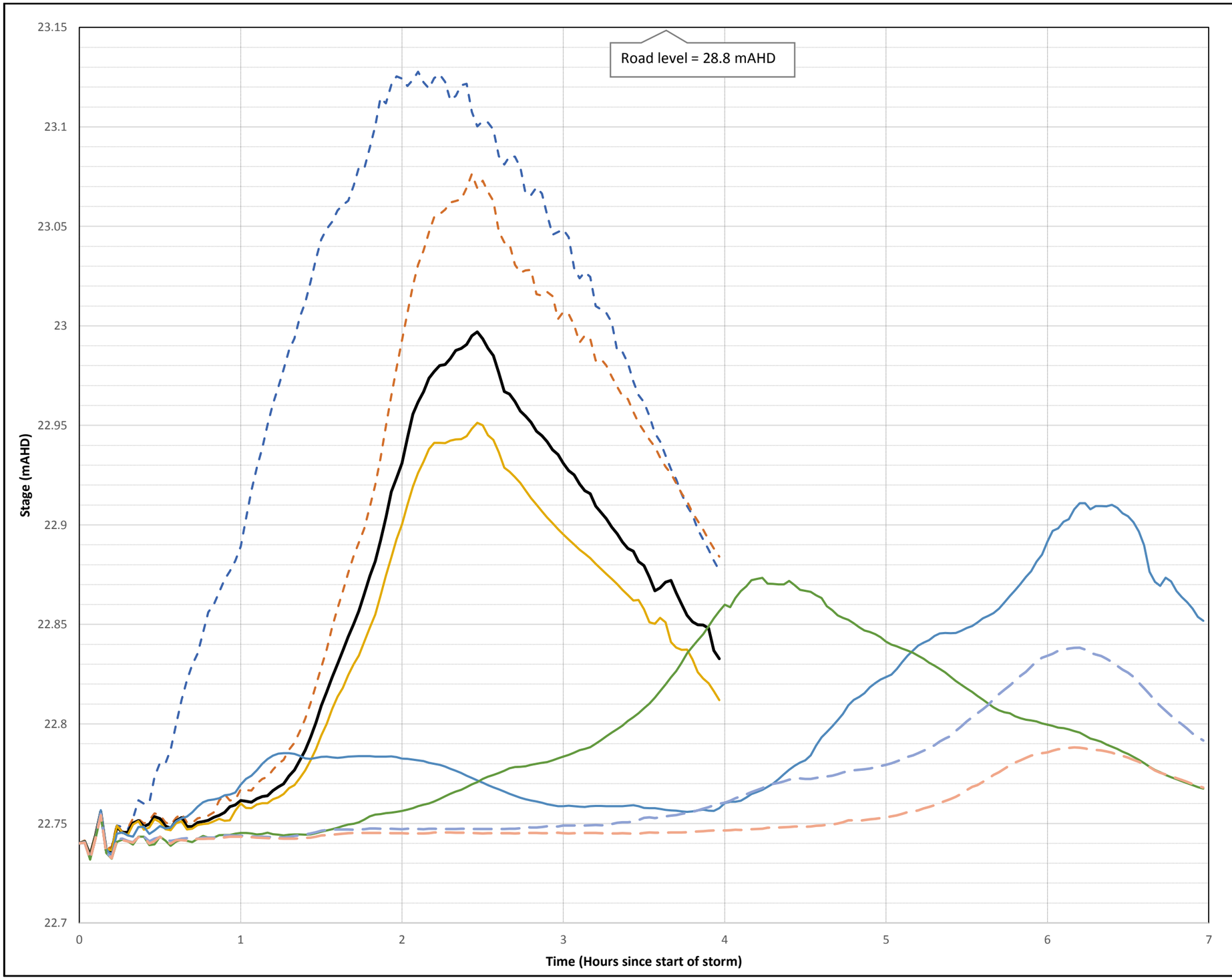
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Nepean River 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.1.1: Design Stage Hydrographs at Railway Crossing of Peach Tree Creek (Location 1)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

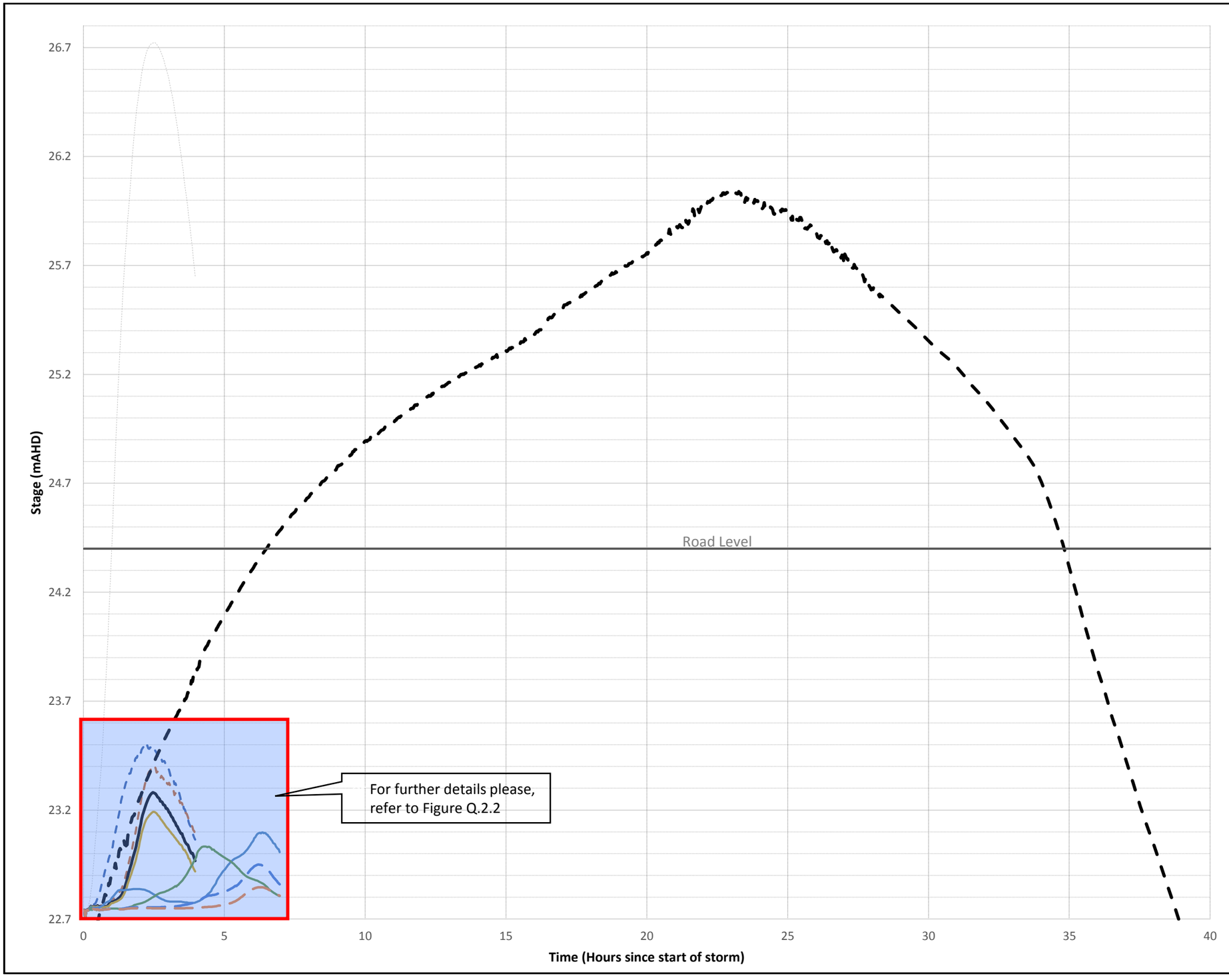
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.1.2: Design Stage Hydrographs at Railway Crossing of Peach Tree Creek (Location 1)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

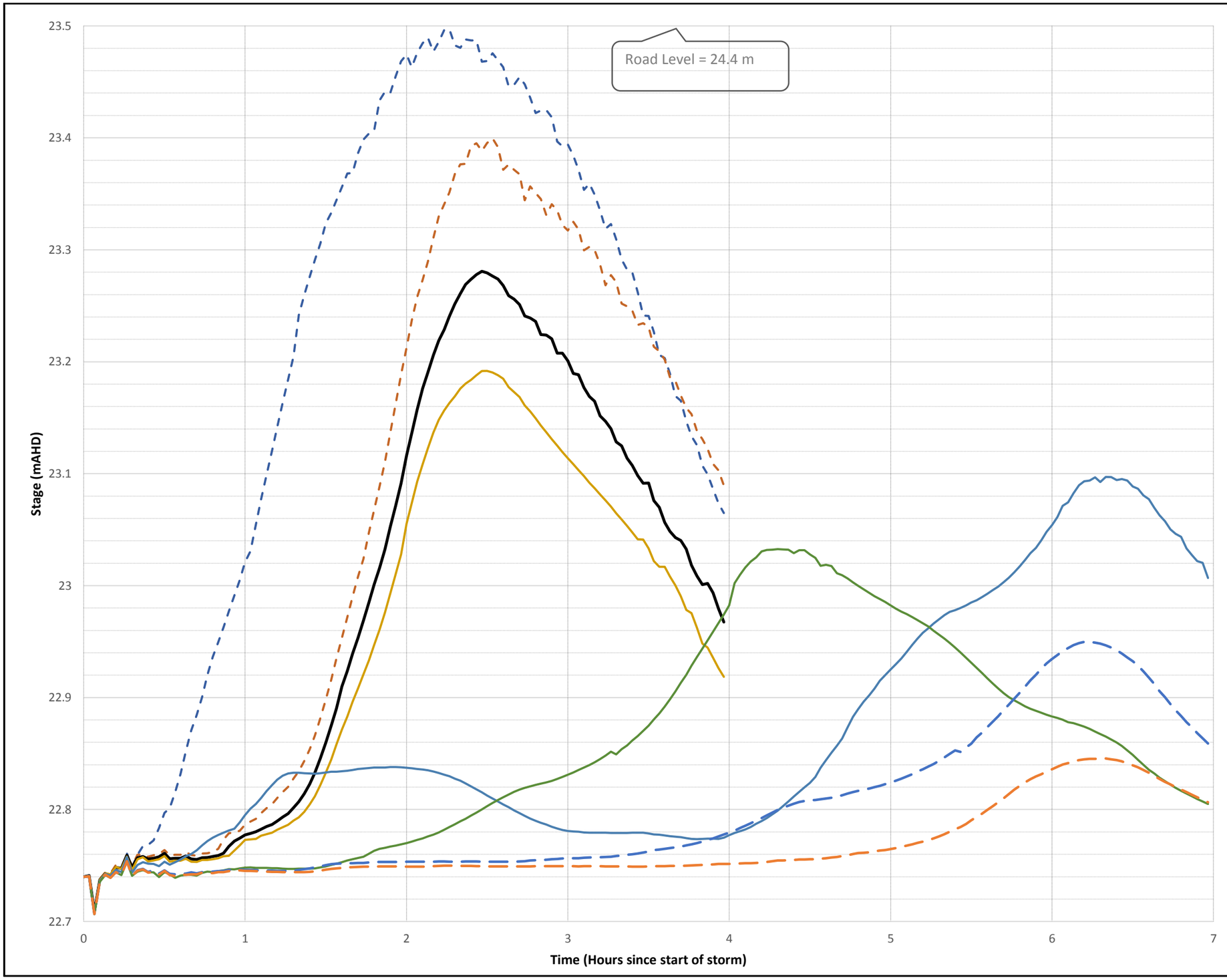
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local catchment 1% AEP
- Nepean River 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.2.1: Design Stage Hydrographs at High Street Crossing of Peach Tree Creek (Location 2)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

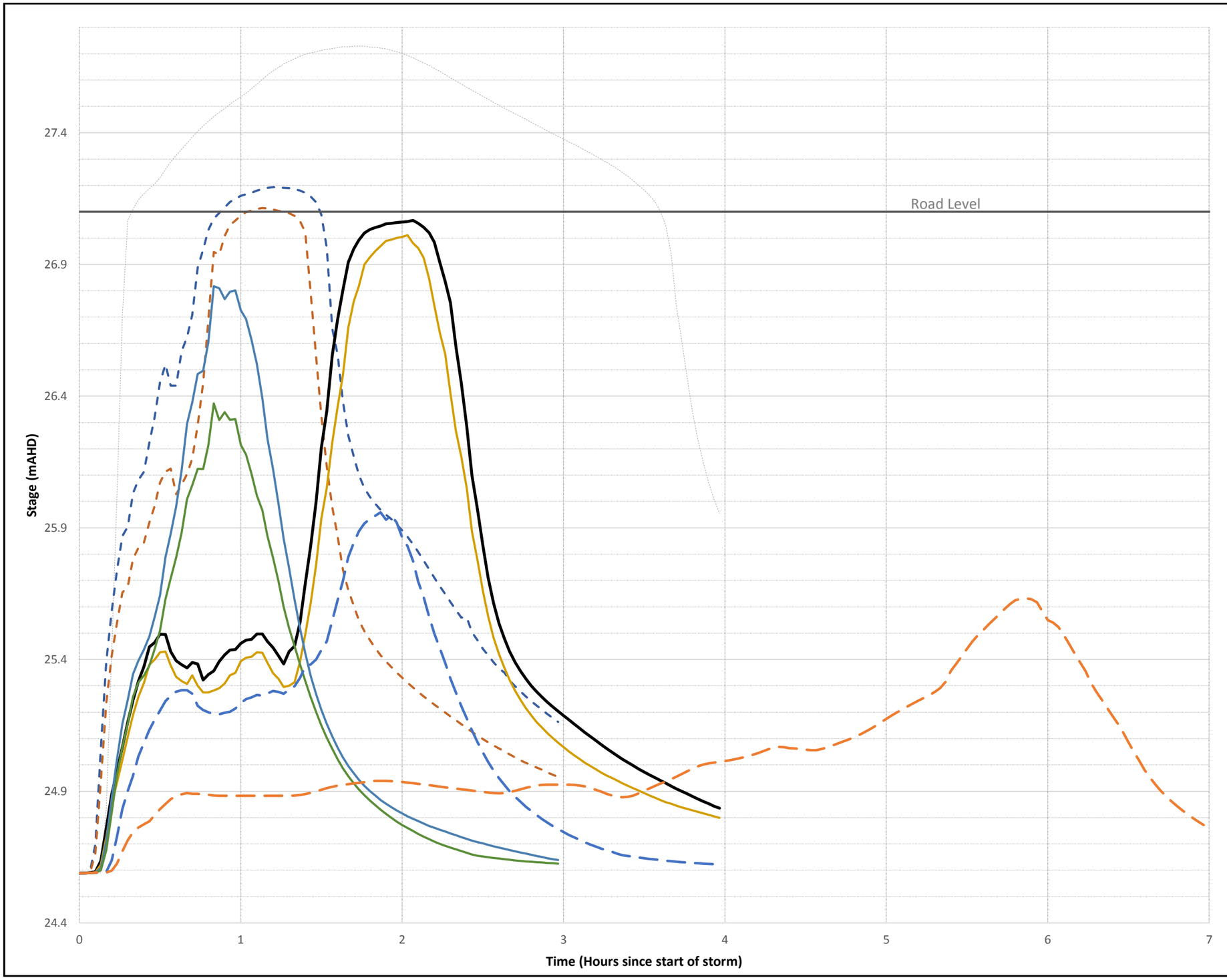
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.2.2: Design Stage Hydrographs at High Street Crossing of Peach Tree Creek (Location 2)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

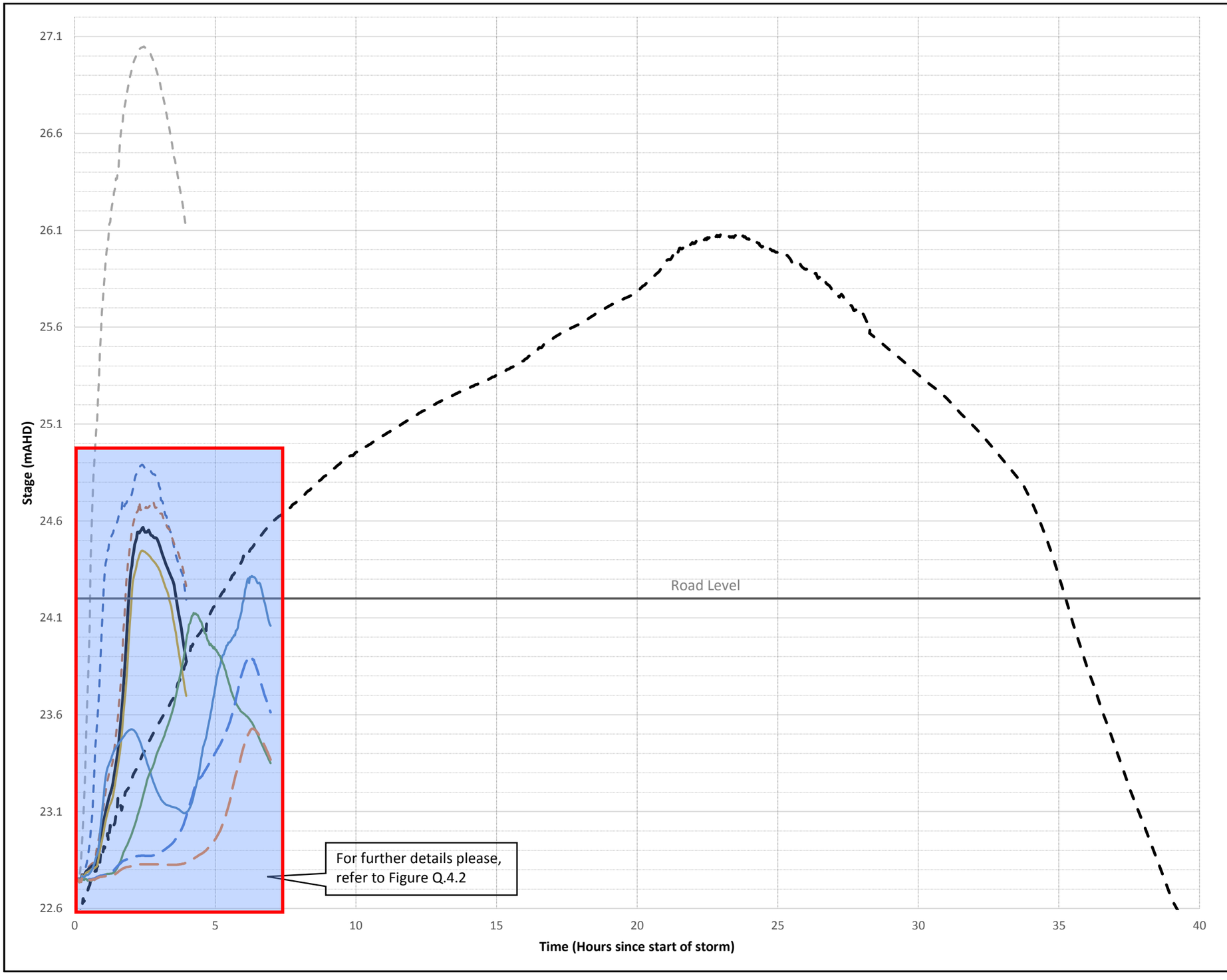
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.3: Design Stage Hydrographs at Mulgoa Road Crossing of Showground Channel (Location 3)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

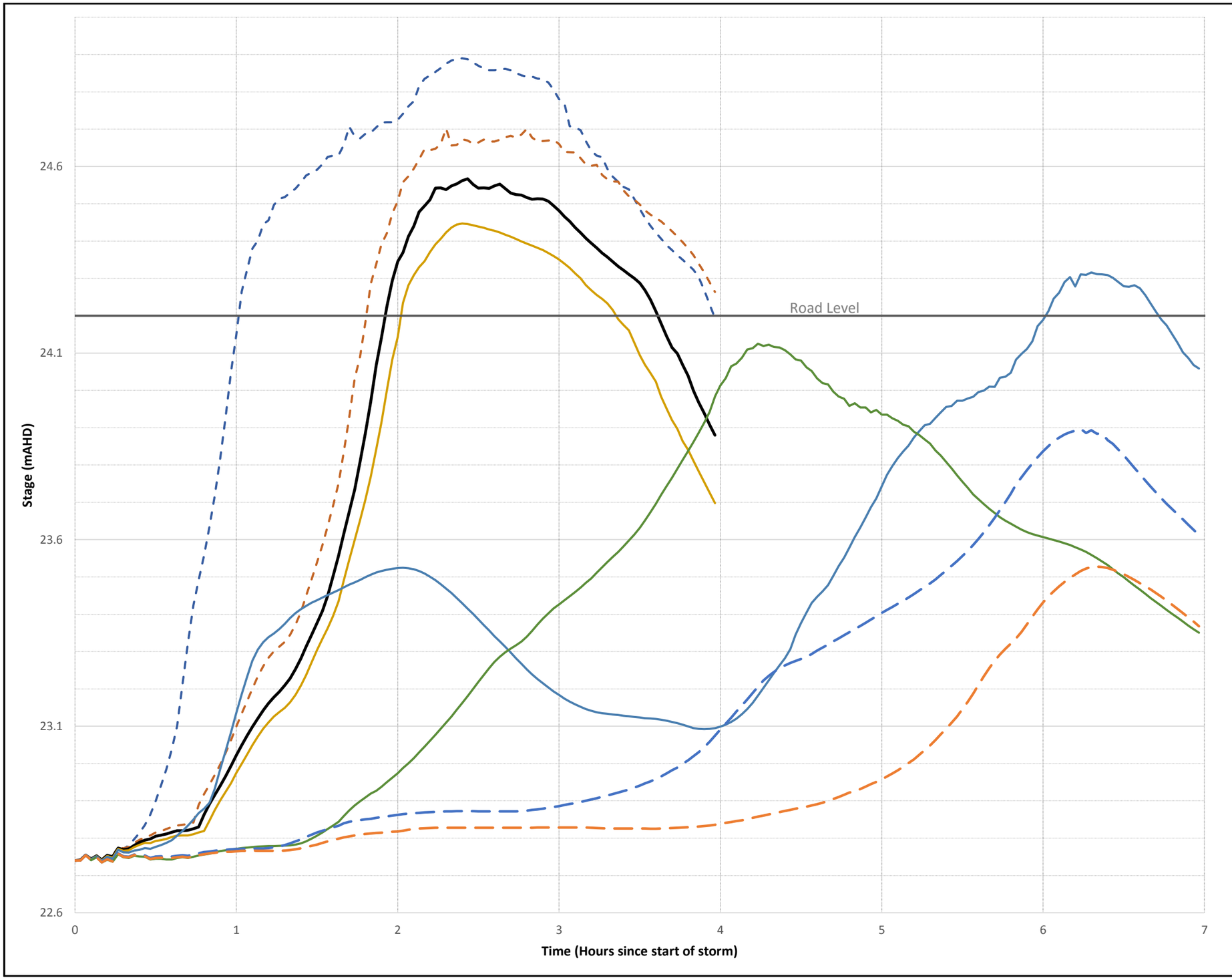
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Nepean River 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.4.1: Design Stage Hydrographs at Jamison Road Crossing of Peach Tree Creek (Location 4)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

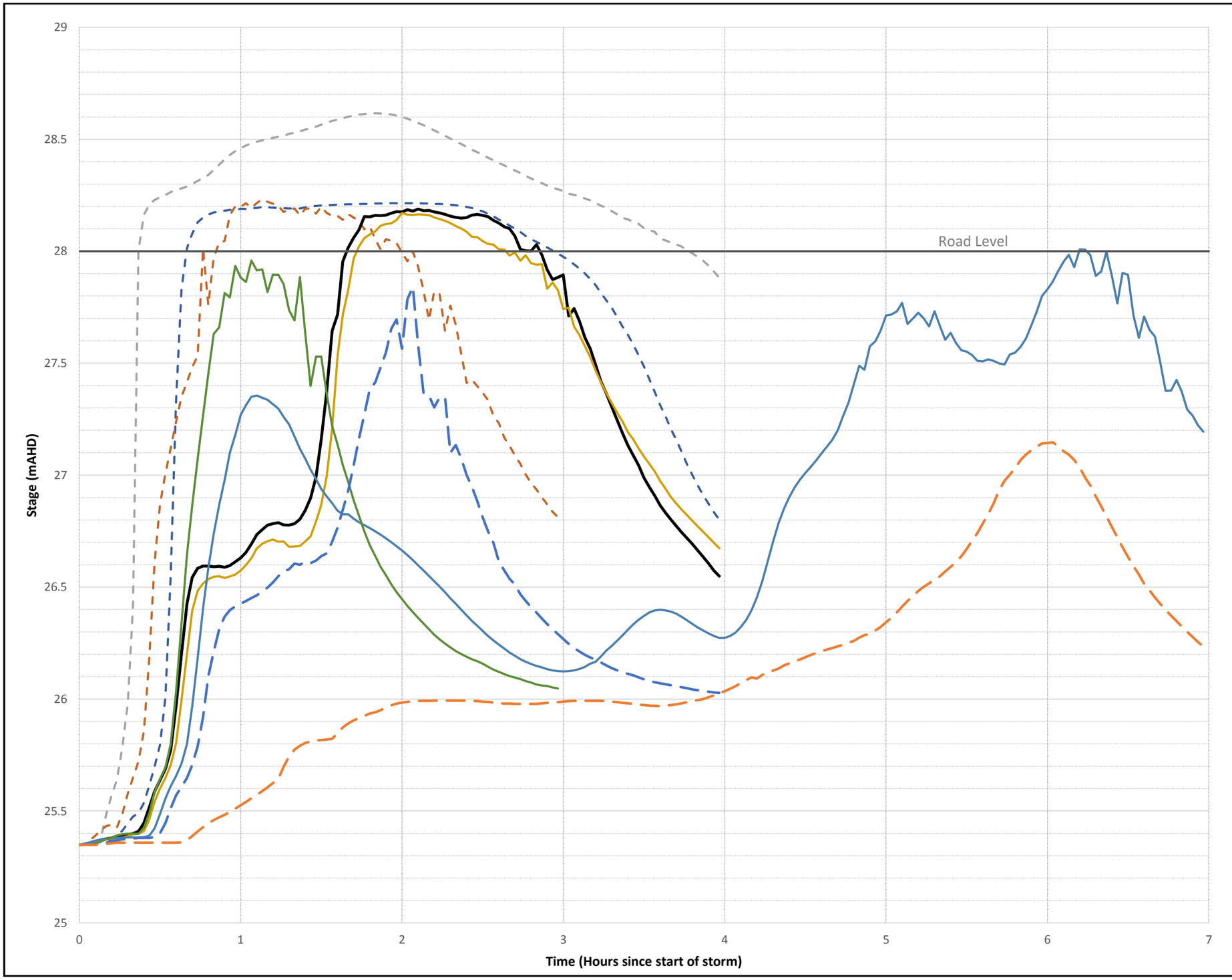
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.4.2: Design Stage Hydrographs at Jamison Road Crossing of Peach Tree Creek (Location 4)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

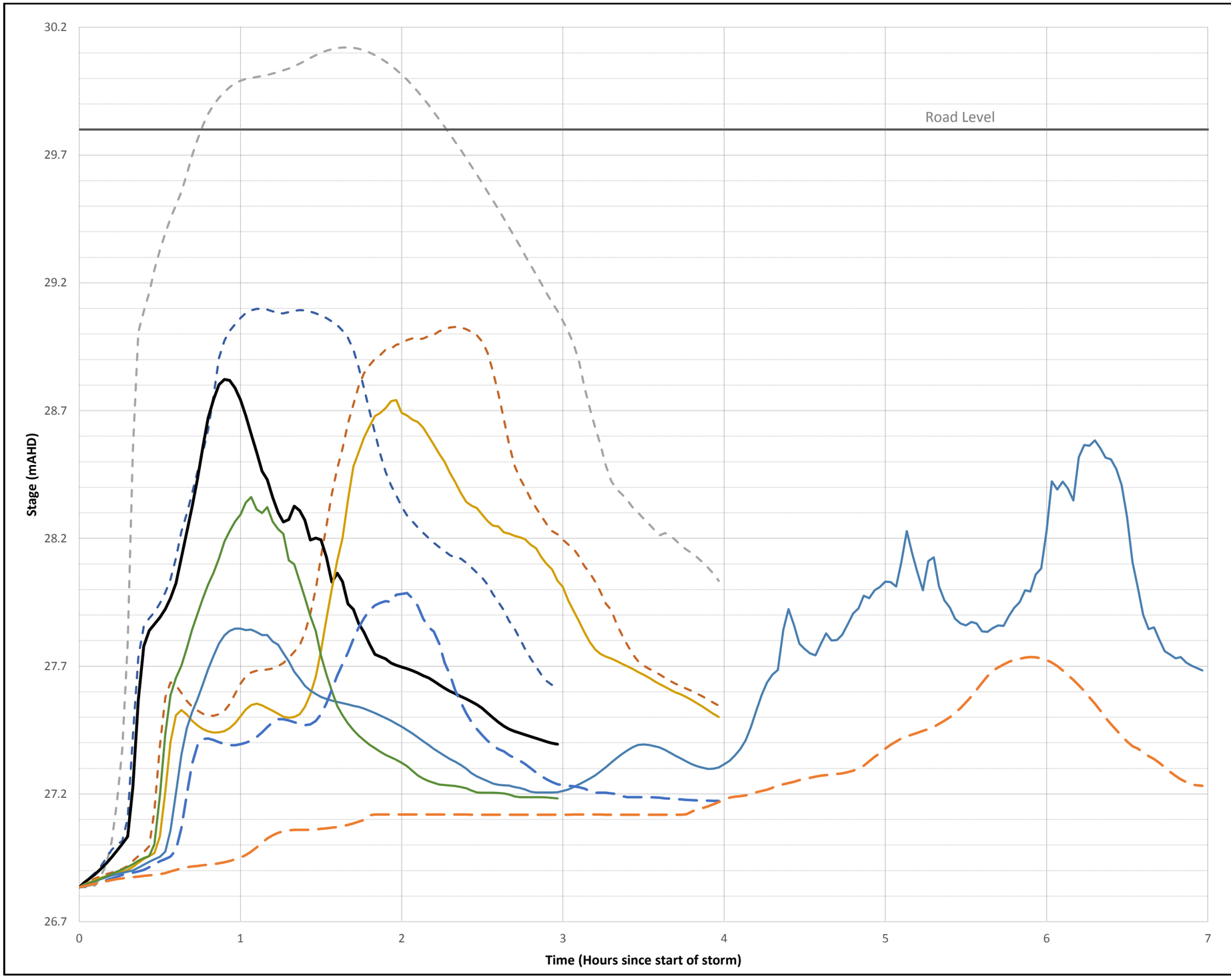
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.5: Design Stage Hydrographs at Mulgoa Road Crossing of Racecourse Channel (Location 5)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

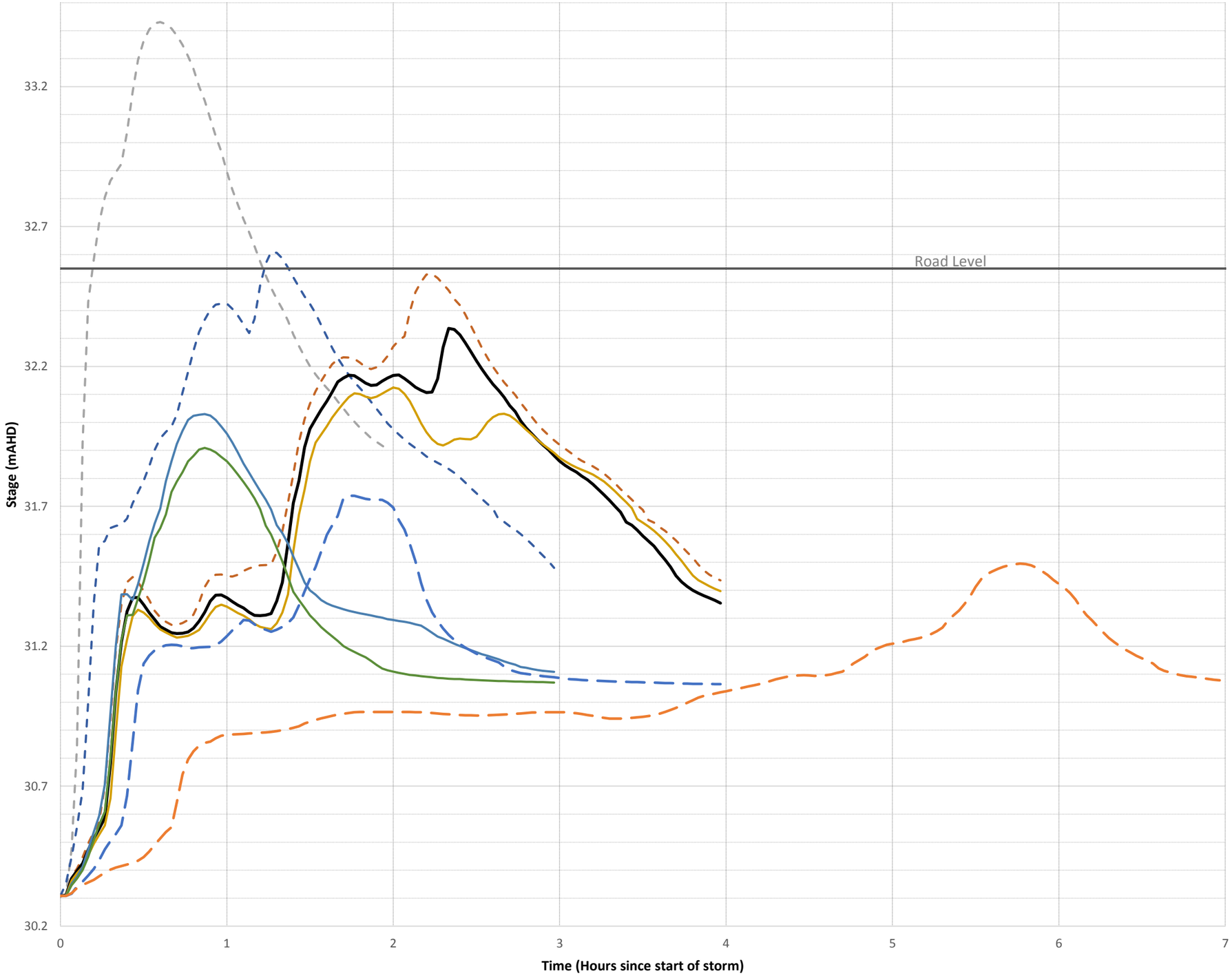
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.6: Design Stage Hydrographs at York Road Crossing of Racecourse Channel (Location 6)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

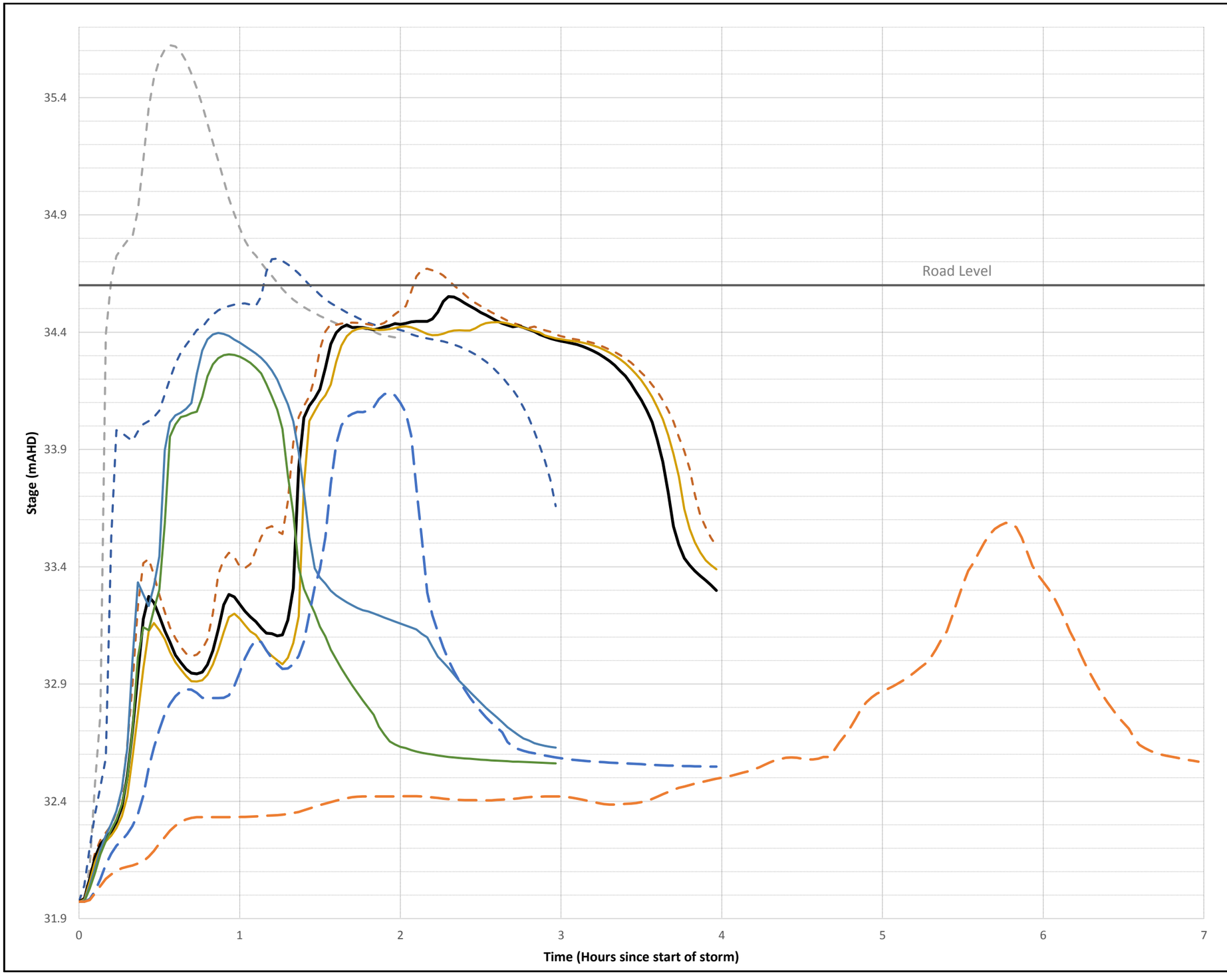
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.7: Design Stage Hydrographs at Racecourse Road Crossing of Racecourse Channel (Location 7)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

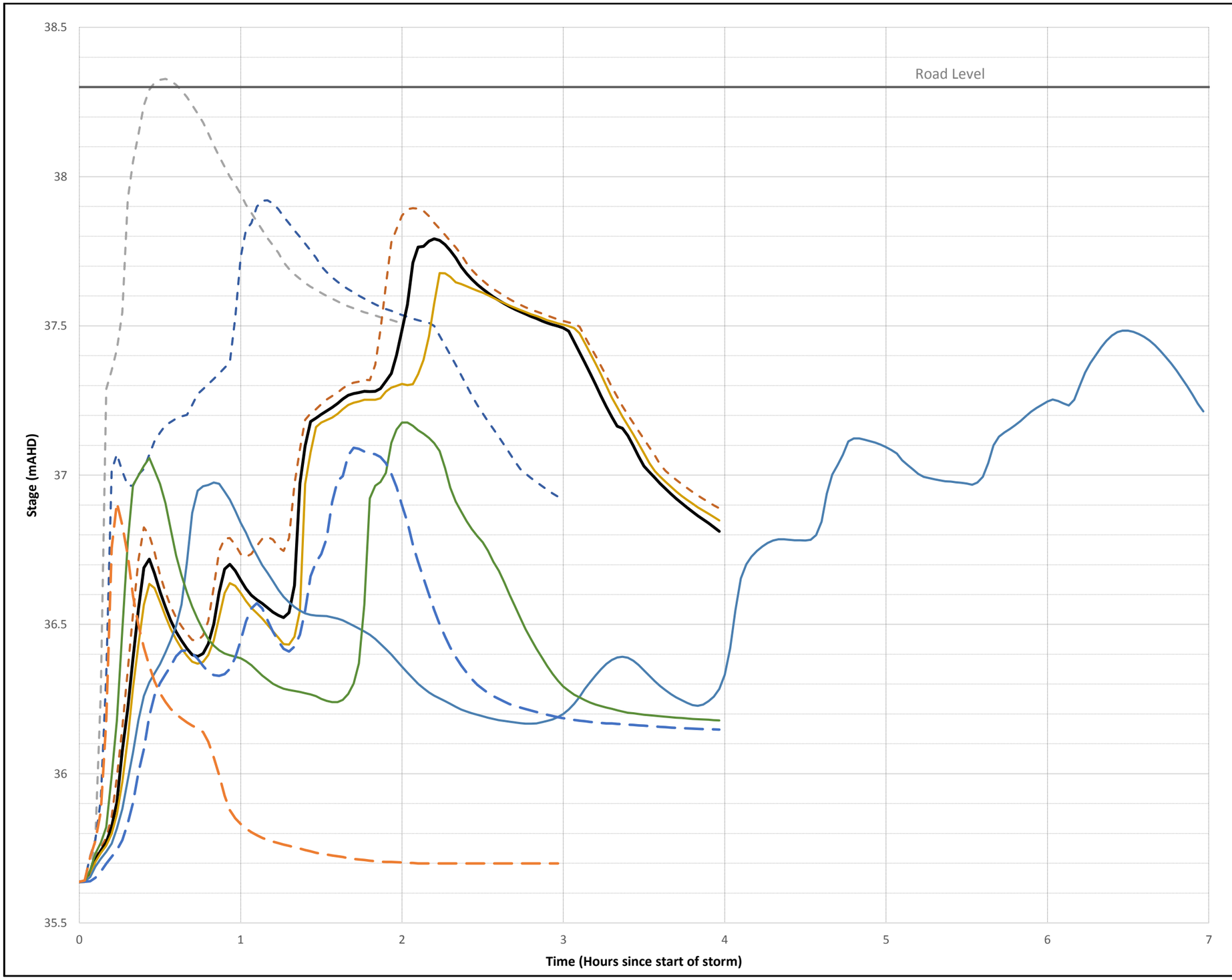
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.8: Design Stage Hydrographs at Smith Street Crossing of Racecourse Channel (Location 8)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

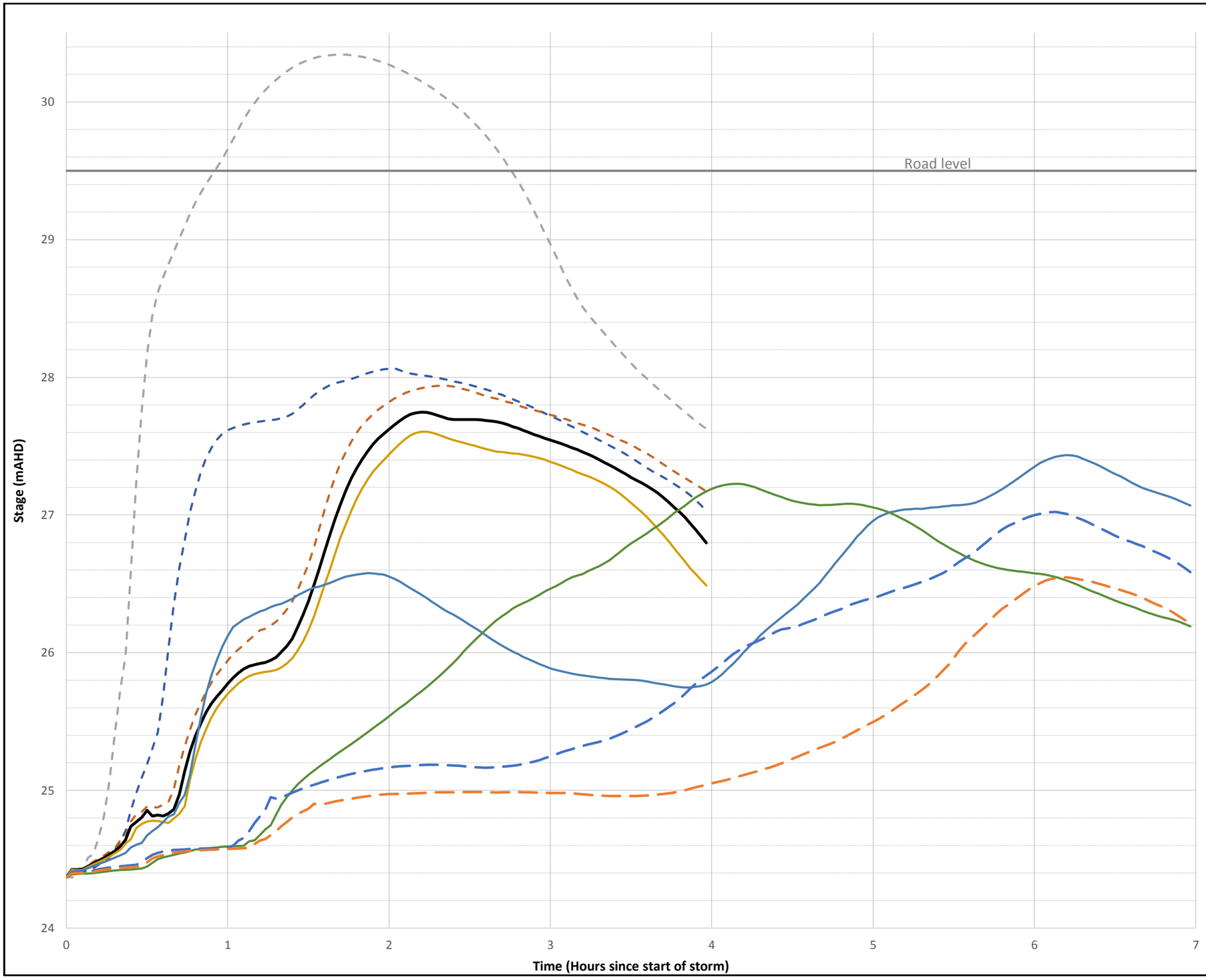
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.9: Design Stage Hydrographs at Evan Street Crossing of Racecourse Channel (Location 9)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

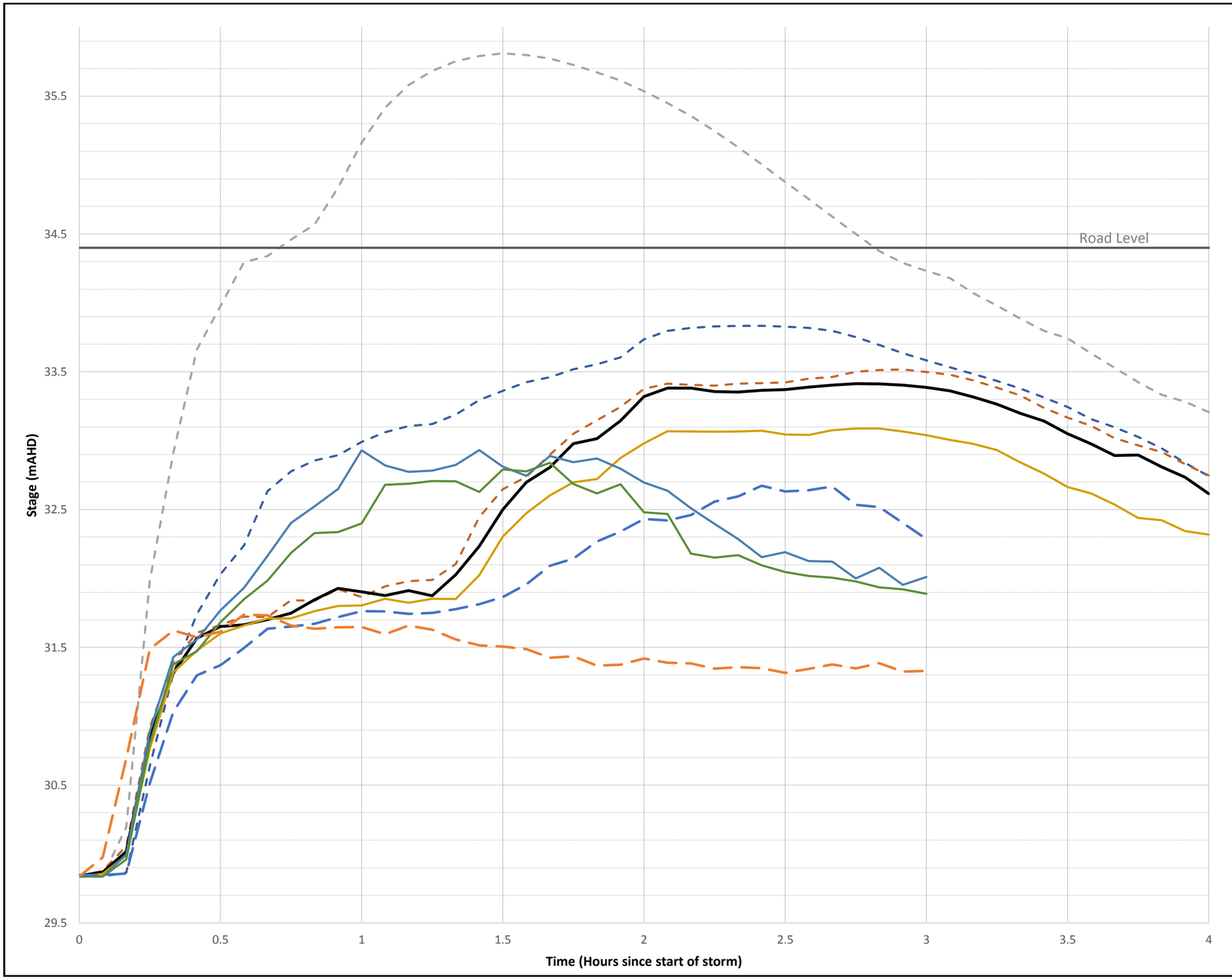
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.10: Design Stage Hydrographs at Mulgoa Road Crossing of Surveyors Creek (Location 10)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

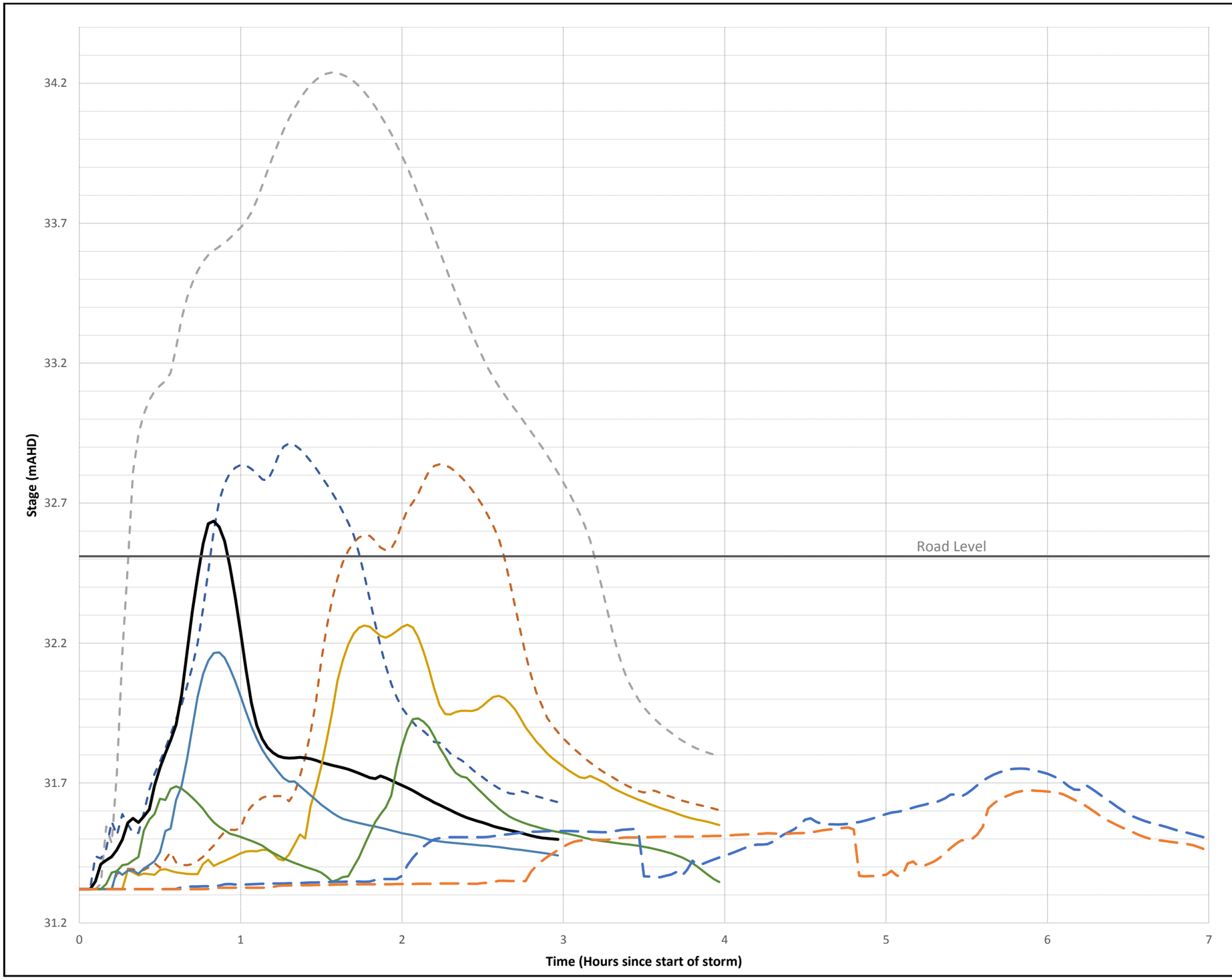
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.11: Design Stage Hydrographs at Ikin St Crossing of Surveyors Creek (Location 11)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

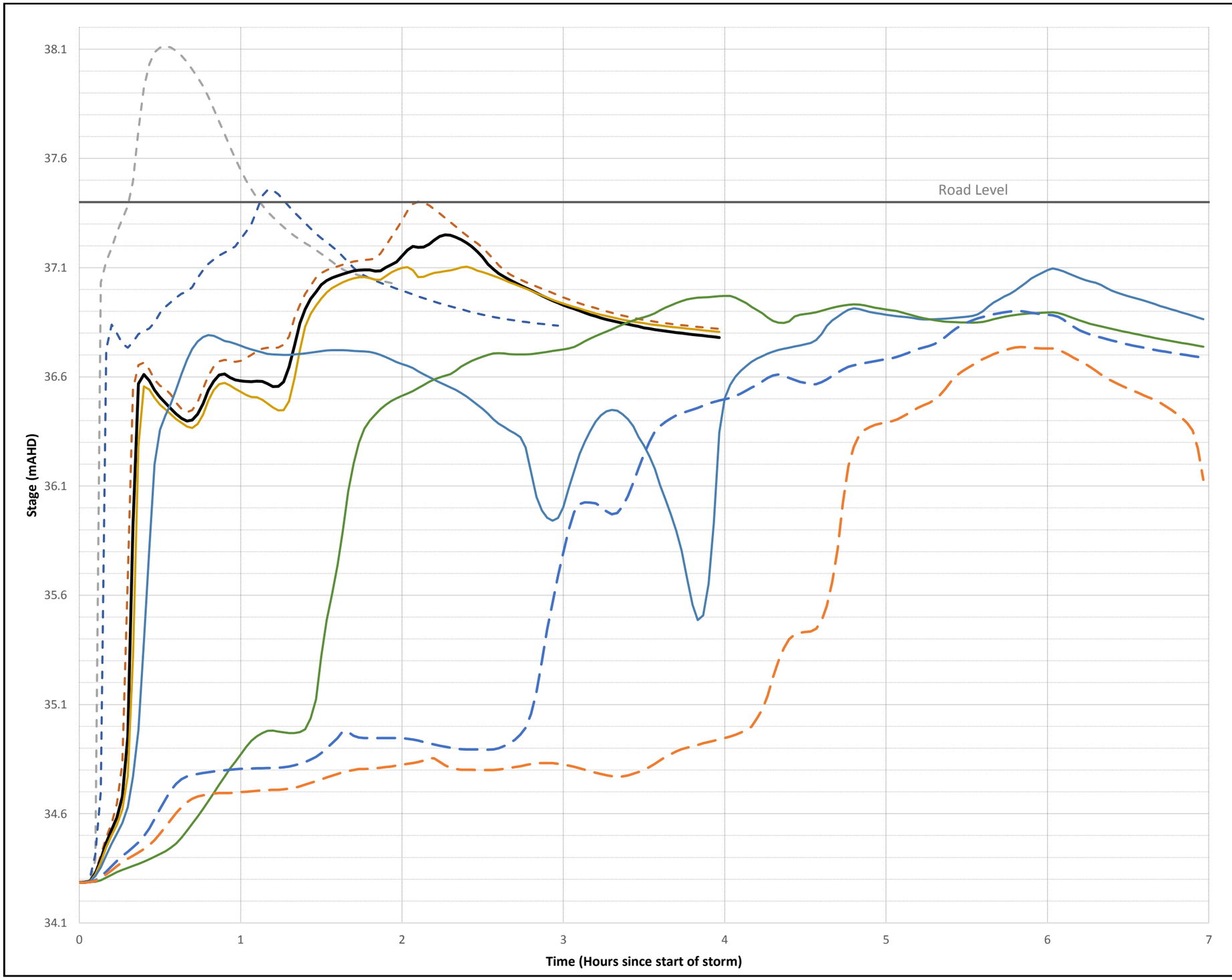
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.12: Design Stage Hydrographs at York Road Crossing of Surveyors Creek Tributary (Location 12)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

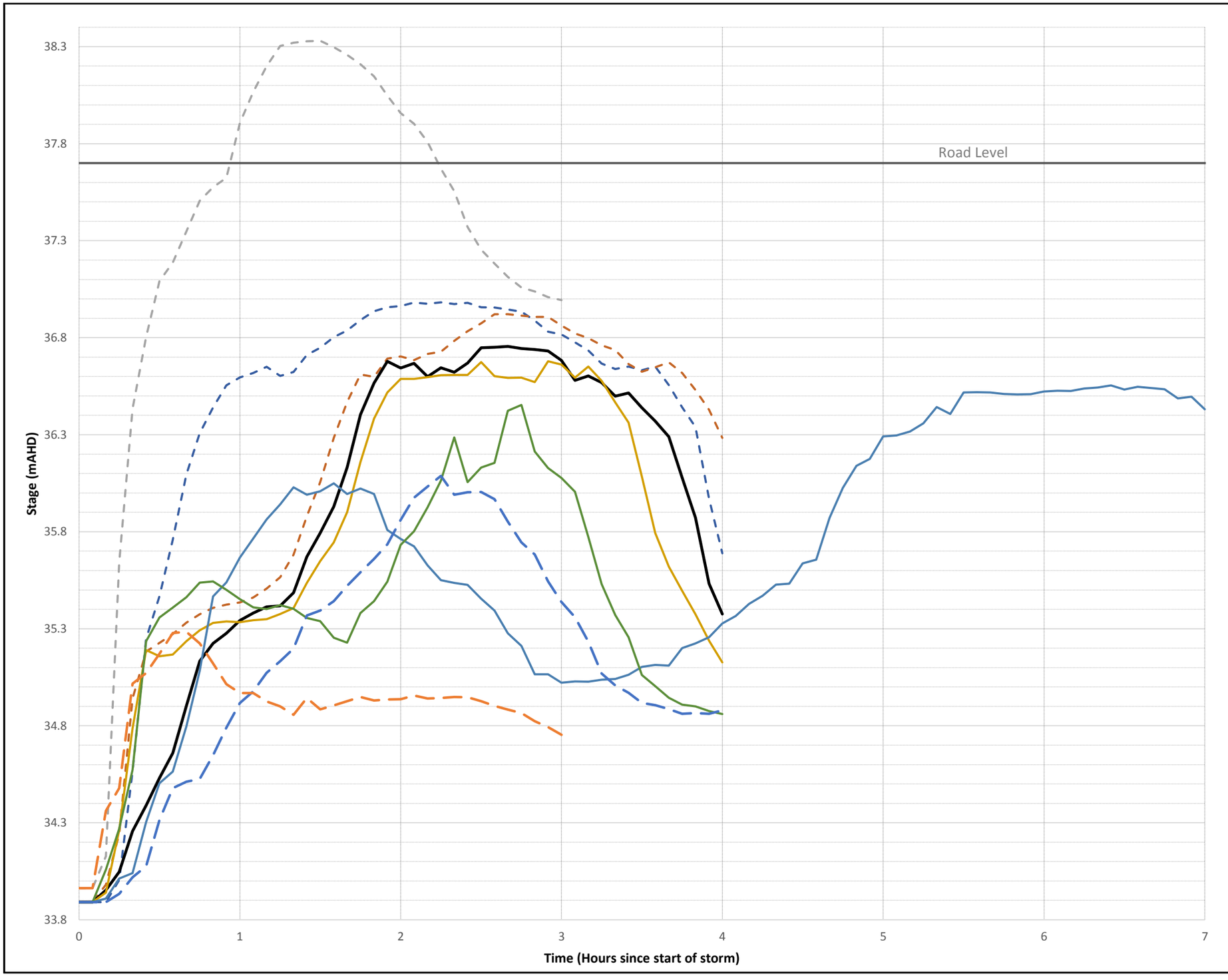
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.13: Design Stage Hydrographs at Birmingham Road Crossing of Surveyors Creek Tributary (Location 13)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

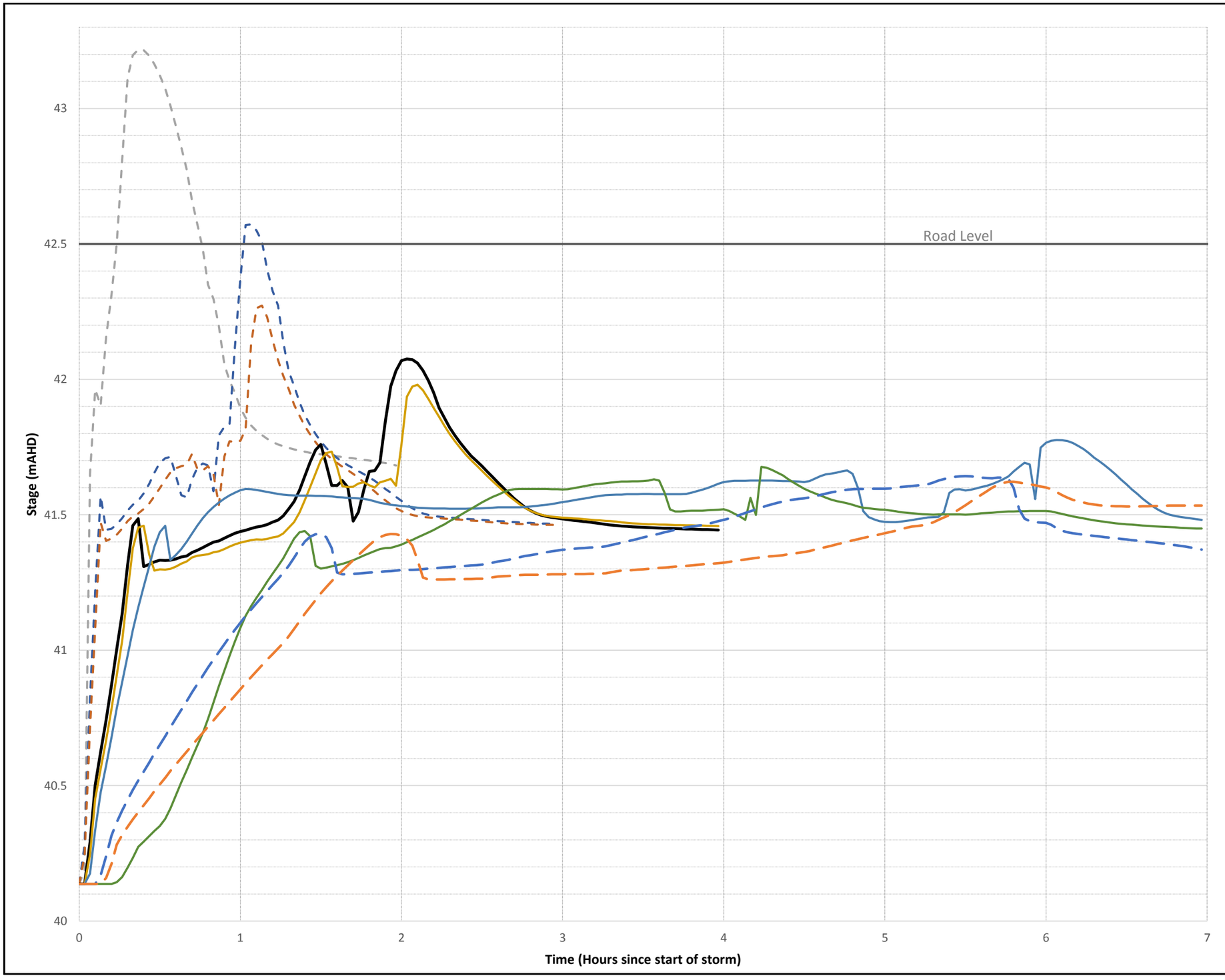
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.14: Design Stage Hydrographs at Gadara Drive Crossing of Surveyors Creek (Location 14)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

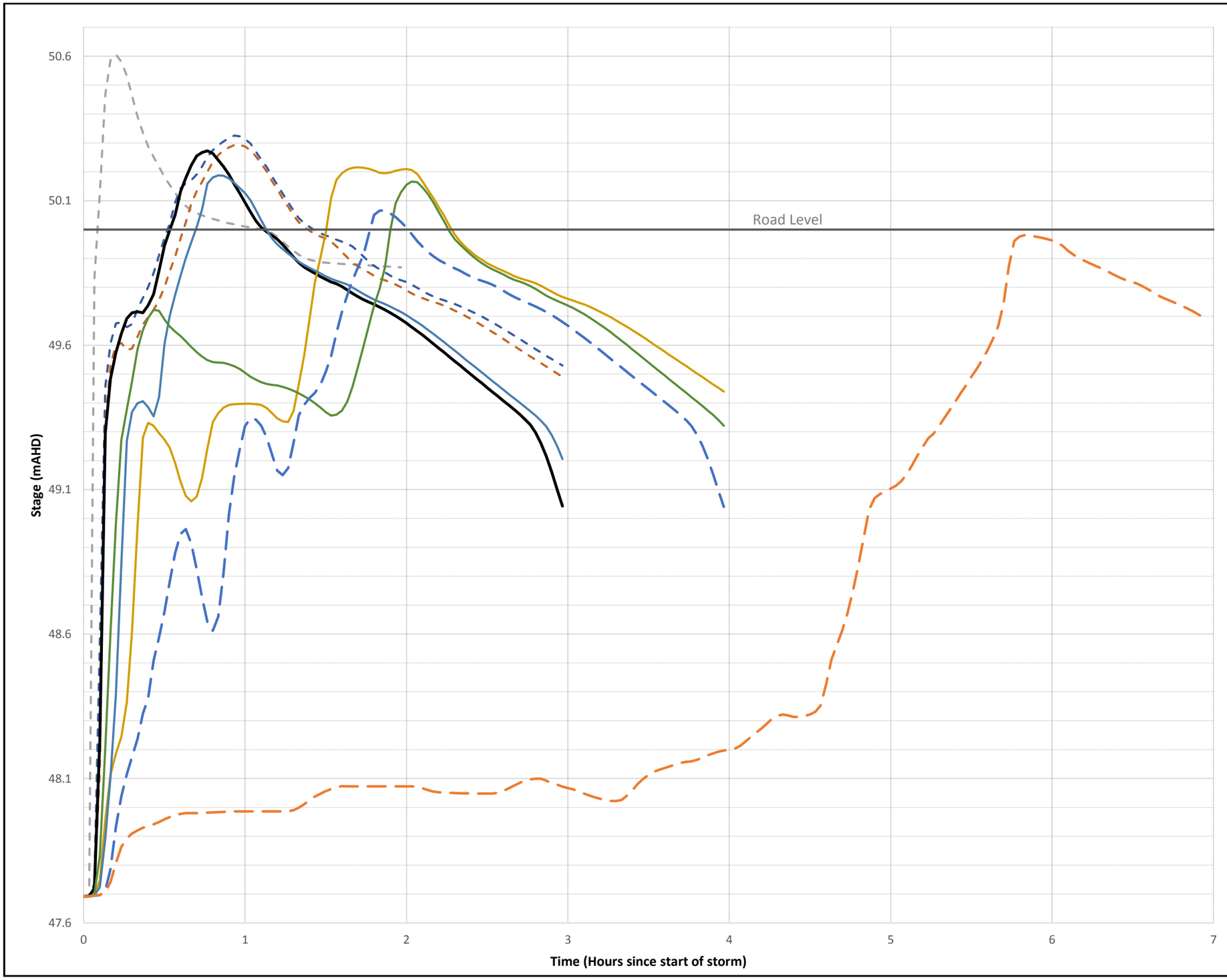
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.15: Design Stage Hydrographs at Tukara Road Crossing of Surveyors Creek Tributary (Location 15)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

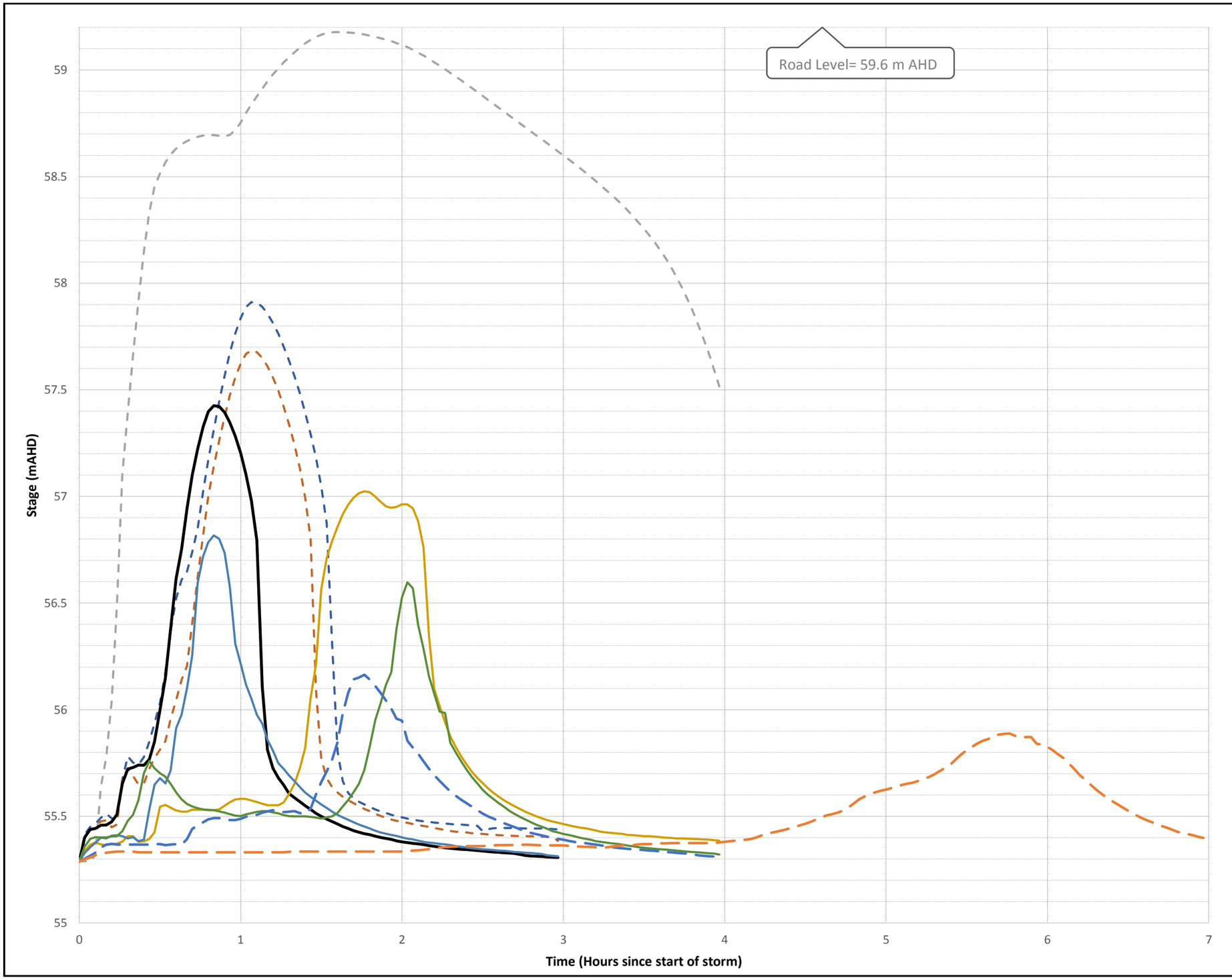
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.16: Design Stage Hydrographs at Timaru Grove Crossing of Surveyors Creek Tributary (Location 16)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

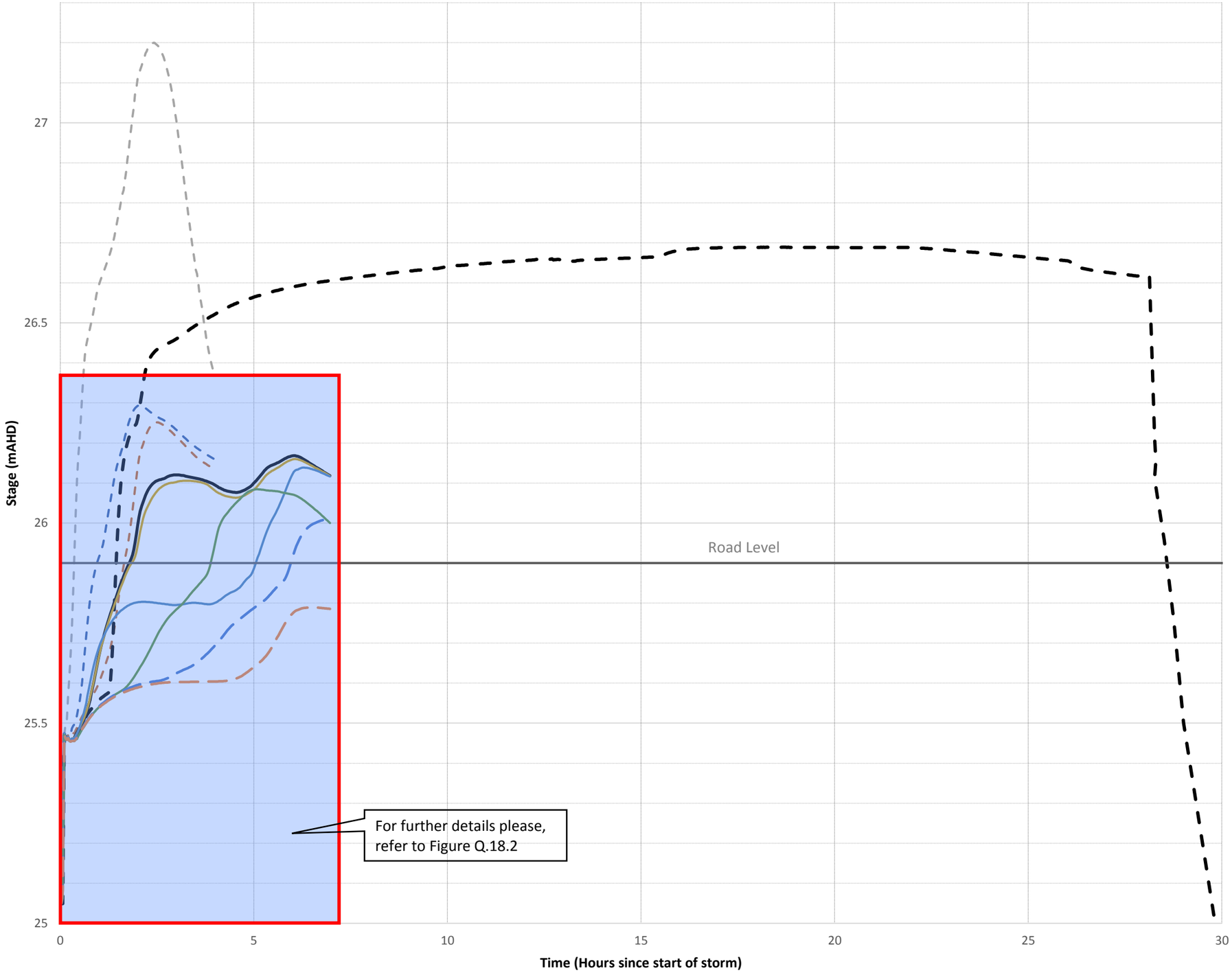
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.17: Design Stage Hydrographs at The Northern Road Crossing of Surveyors Creek Tributary (Location 17)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

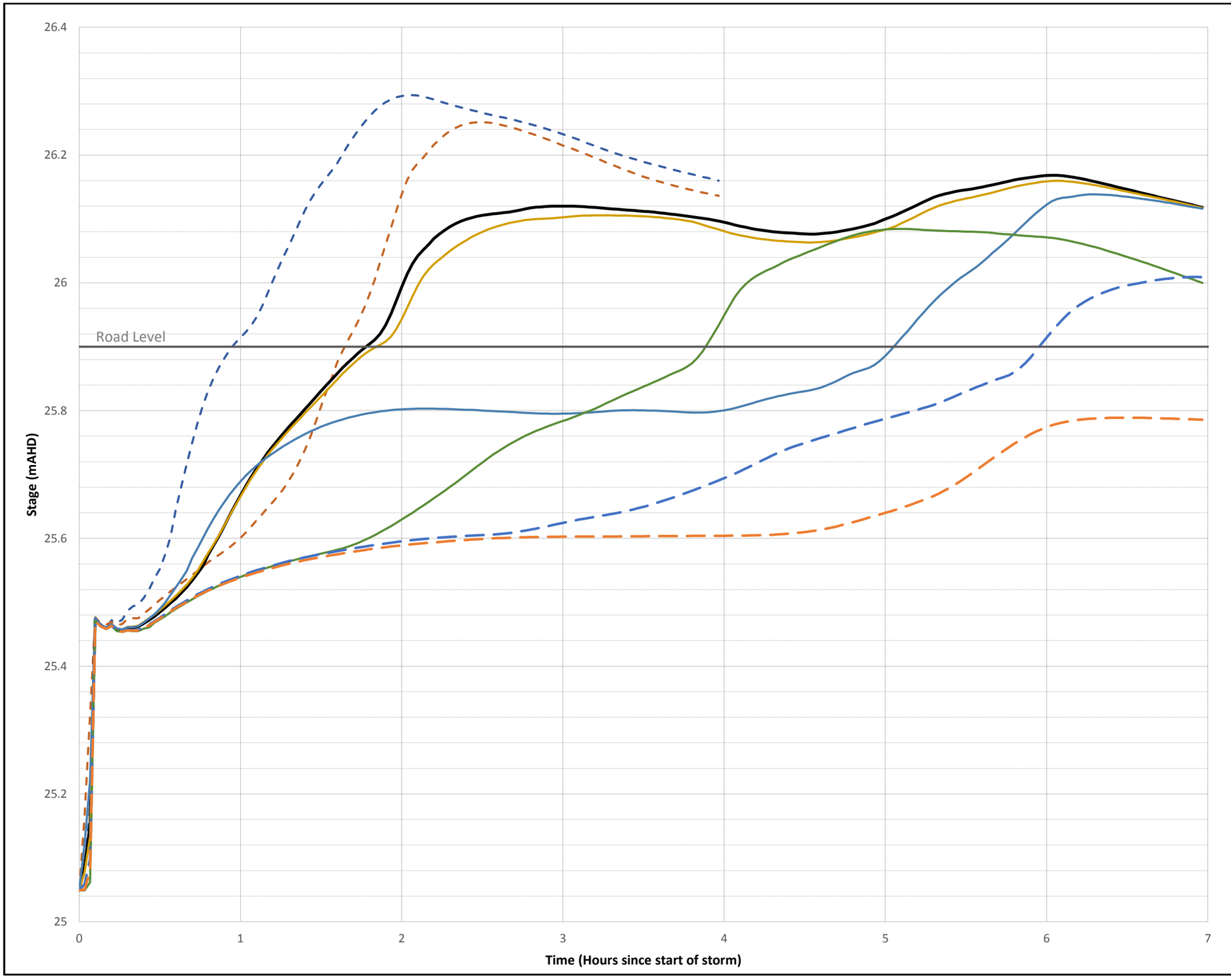
- Local Catchment PMF
- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Nepean River 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.18.1: Design Stage Hydrographs at Blaikie Road Crossing of Peach Tree Creek (Location 18)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000



PENRITH CITY COUNCIL

LEGEND:

- Local Catchment 0.2% AEP
- Local Catchment 0.5% AEP
- Local Catchment 1% AEP
- Local Catchment 2% AEP
- Local Catchment 5% AEP
- Local Catchment 10% AEP
- Local Catchment 20% AEP
- Local Catchment 50% AEP

Notes:

A number of different storm durations were simulated for each design flood. The stage hydrograph presented in this figure represents the storm duration that produces the highest peak design flood level at this location.

Figure Q.18.2: Design Stage Hydrographs at Blaikie Road Crossing of Peach Tree Creek (Location 18)

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

APPENDIX R

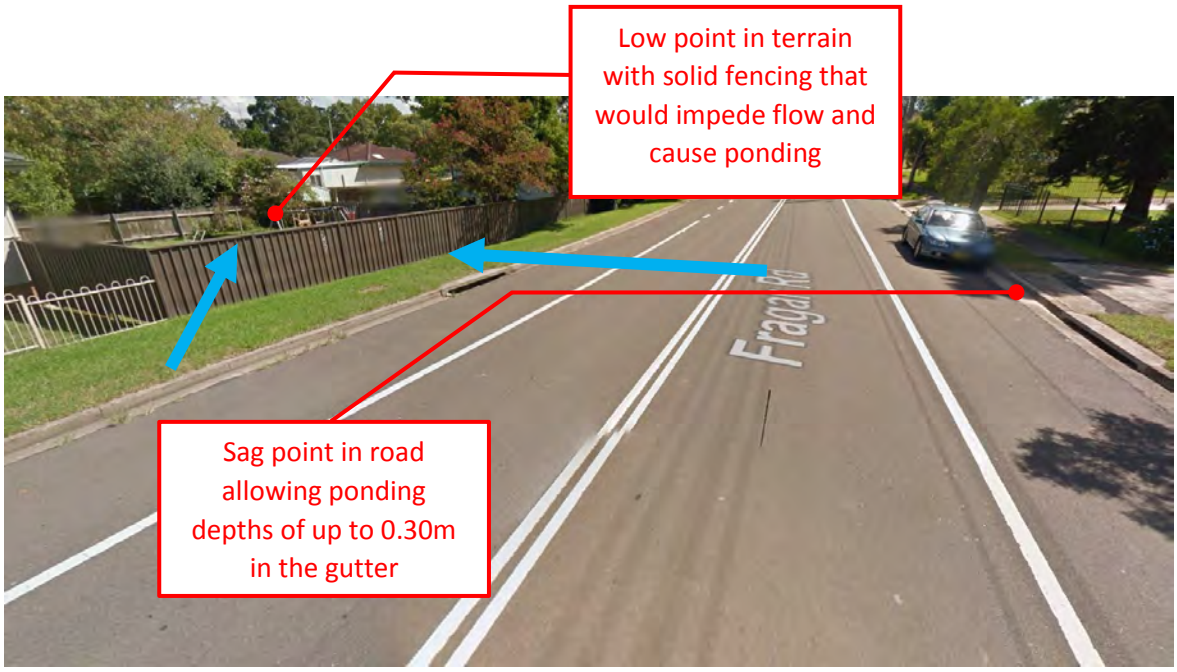
FIELD VERIFICATION

LOCATION:

Ponding between Fragar Rd, Butler Cres and Fisher Ave, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #1:



GOOGLE© STREET VIEW OF LOCATION #2:

GOOGLE© STREET VIEW OF LOCATION #3:

COMMENT:

Field verification indicates depth mapping coincides with lower terrain with a number of urban flow obstructions. Depth mapping appears reasonable and will be retained.

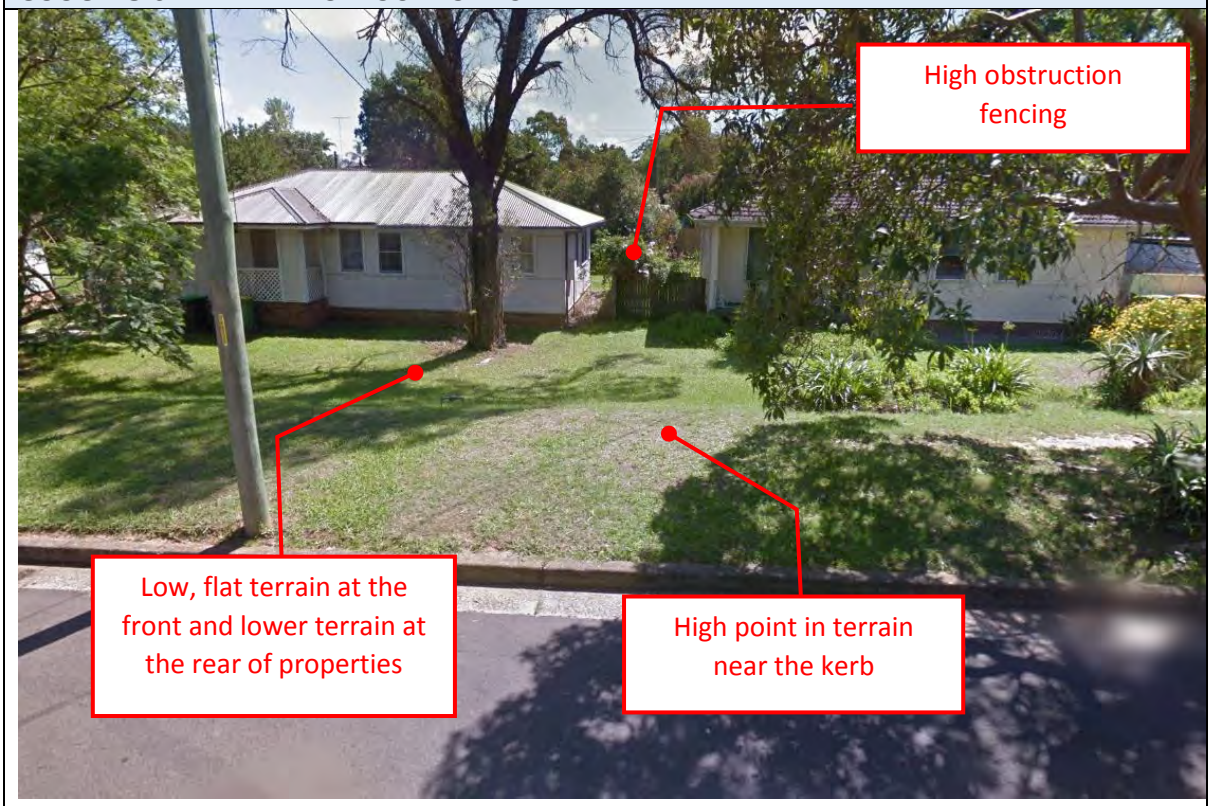
LOCATION:

Ponding between Butler Cres and Fisher Ave, South Penrith

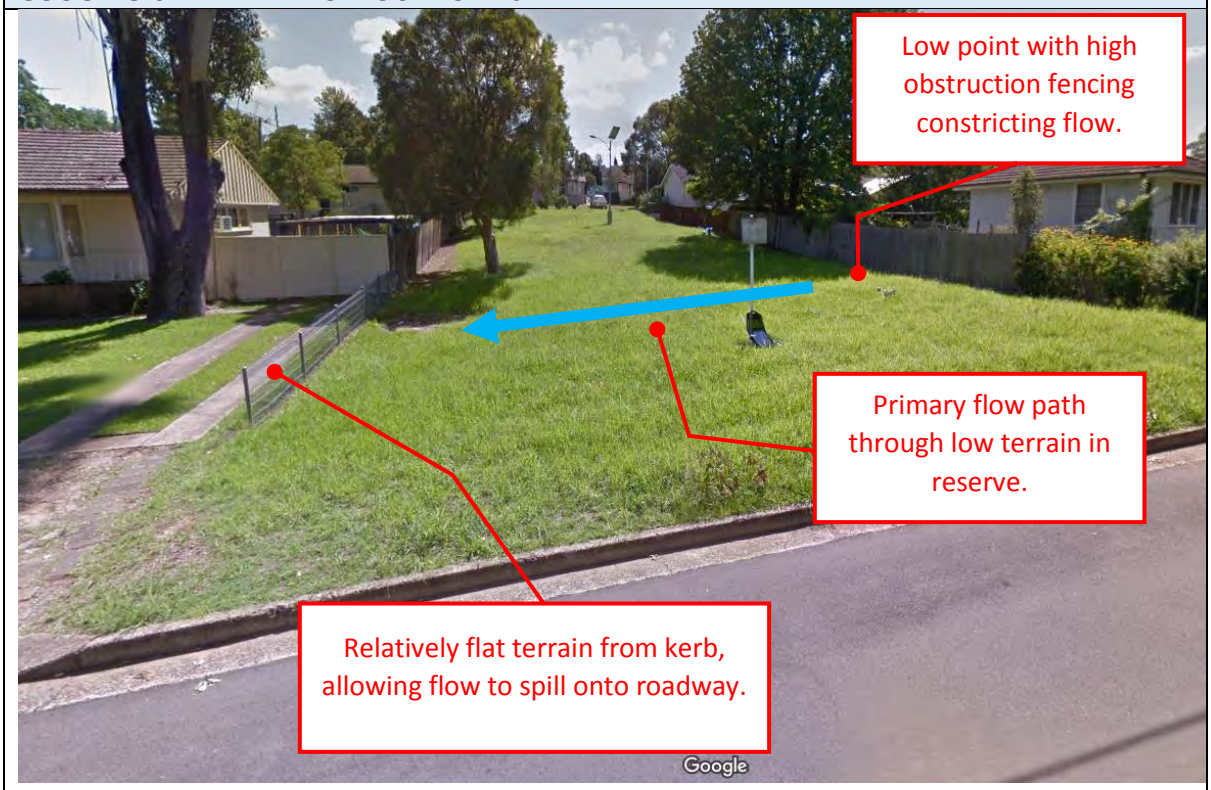
1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #4:

GOOGLE© STREET VIEW OF LOCATION #5:



GOOGLE© STREET VIEW OF LOCATION #6:



GOOGLE© STREET VIEW OF LOCATION #7:

COMMENT:

Field verification indicates depth mapping coincides with the gentle low points in terrain through properties and urban flow obstructions also increase ponding. Flood mapping appears reasonable in most locations, with mapping removed from Location #4 where ponding was not considered reasonable.

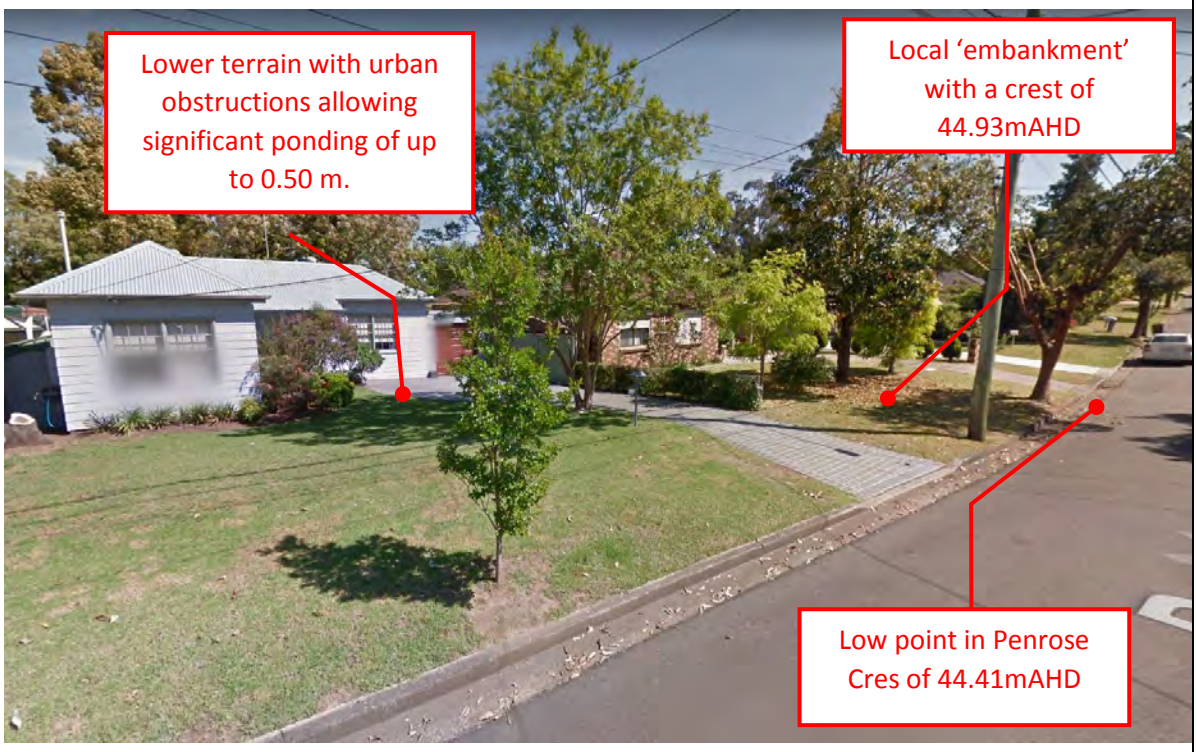
LOCATION:

Flow path from Butler Cres through the eastern and western branches of Penrose Cres, South Penrith

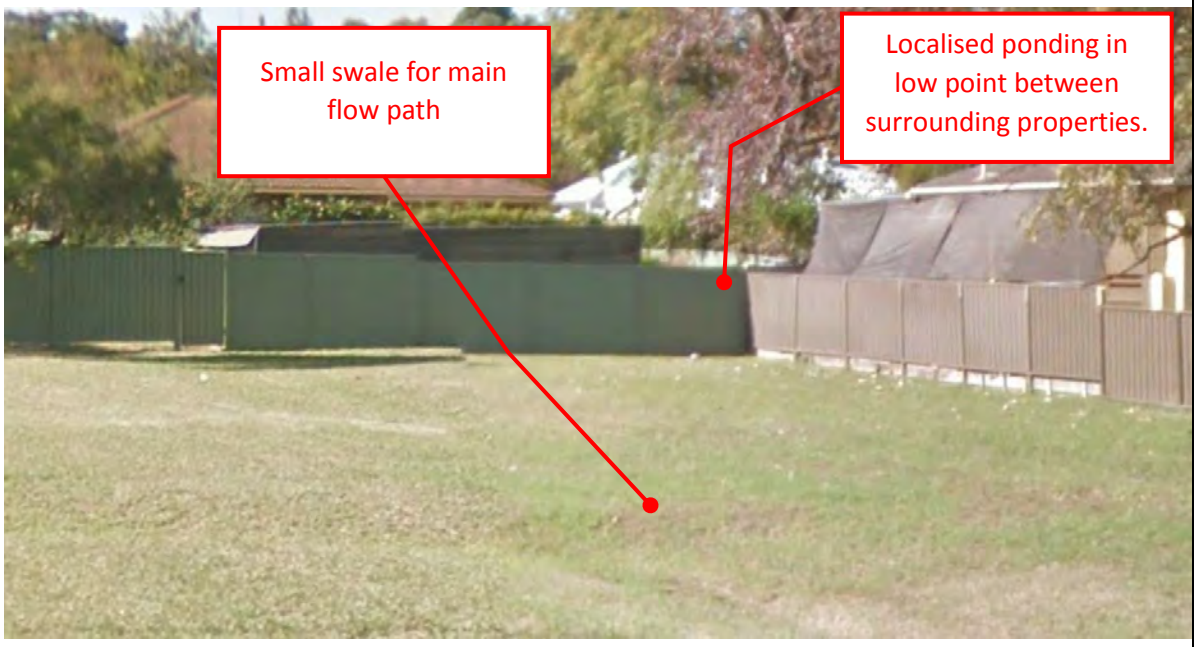
1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #8:

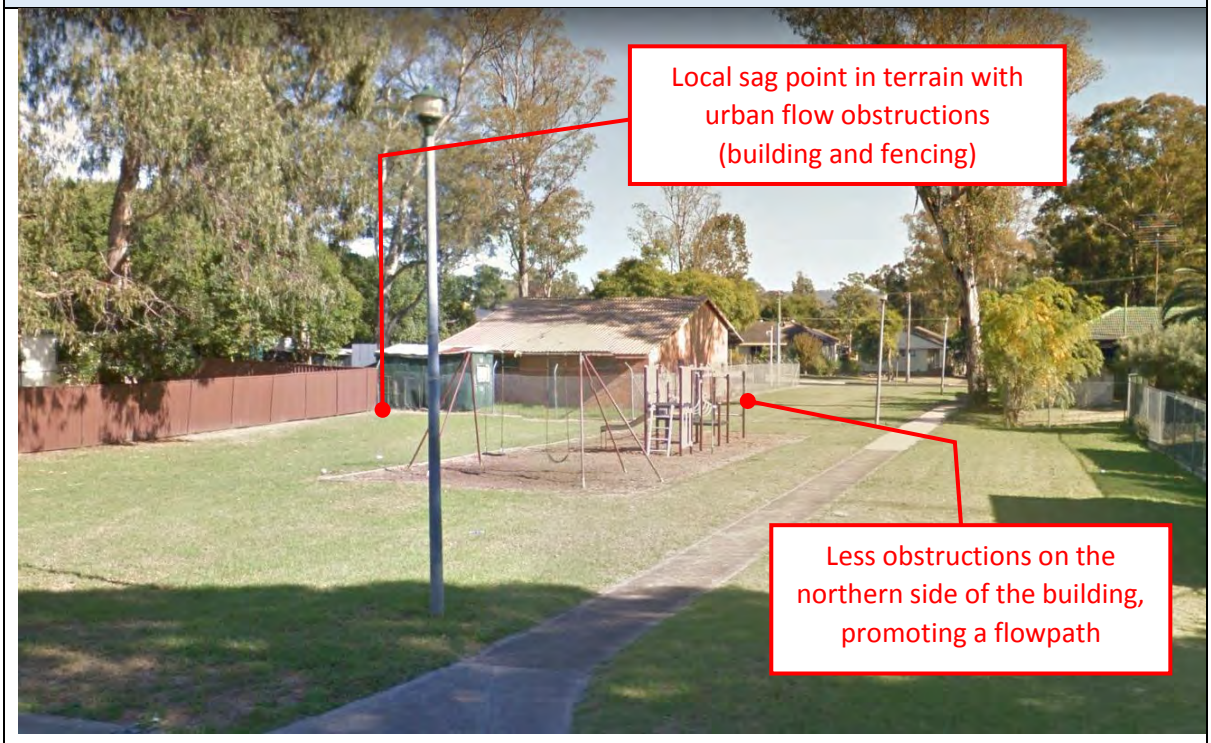
GOOGLE© STREET VIEW OF LOCATION #9:



GOOGLE© STREET VIEW OF LOCATION #10:



GOOGLE© STREET VIEW OF LOCATION #11:



COMMENT:

Field verification indicates depth mapping follows the low points in terrain through properties with evidence of ponding around urban flow obstructions. Reasonable flow paths are seen to form in unobstructed areas. Depth mapping appears consistent with the terrain and should be retained.

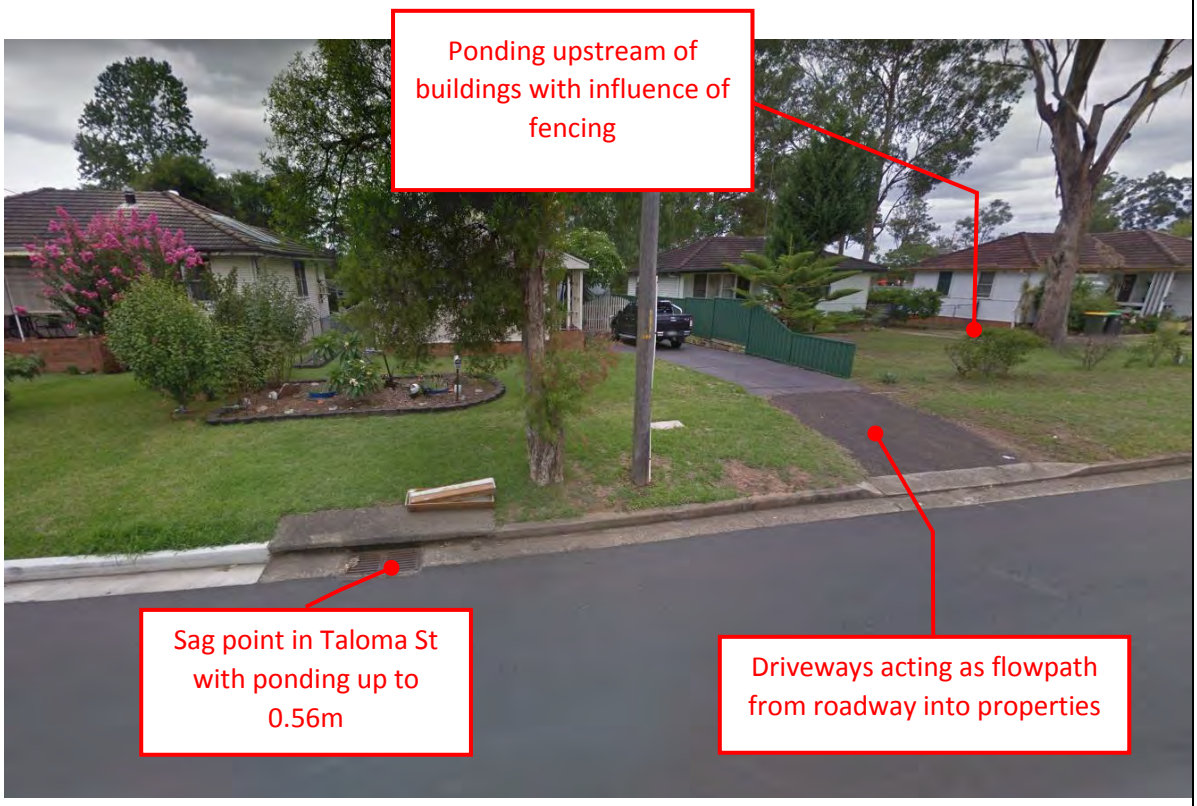
LOCATION:

Taloma St opposite Penrith Scout Group scout hall, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #12:

GOOGLE© STREET VIEW OF LOCATION #13:



COMMENT:

Field verification indicates depth mapping coincides with low point in terrain with notable urban flow obstructions. Depth mapping appears reasonable and should be retained.

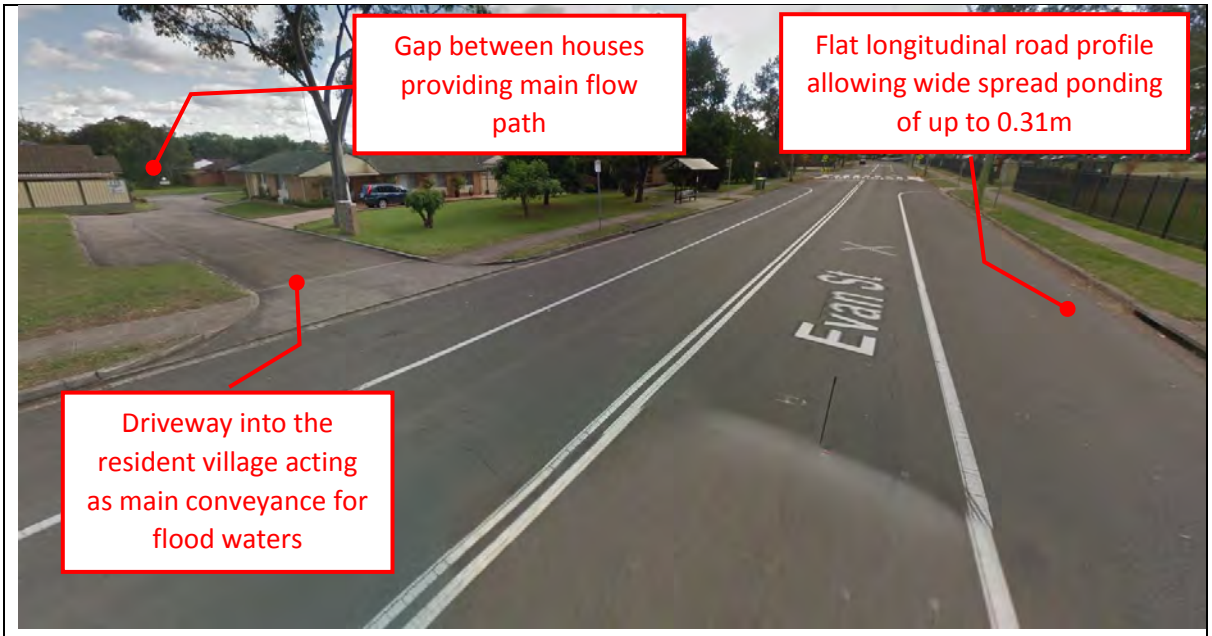
LOCATION:

Evan St and Baxter St, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #14:

GOOGLE© STREET VIEW OF LOCATION #15:



COMMENT:

Field verification indicates that the depth mapping is consistent with the terrain and urban flow obstructions. Depth mapping is reasonable and should be retained.

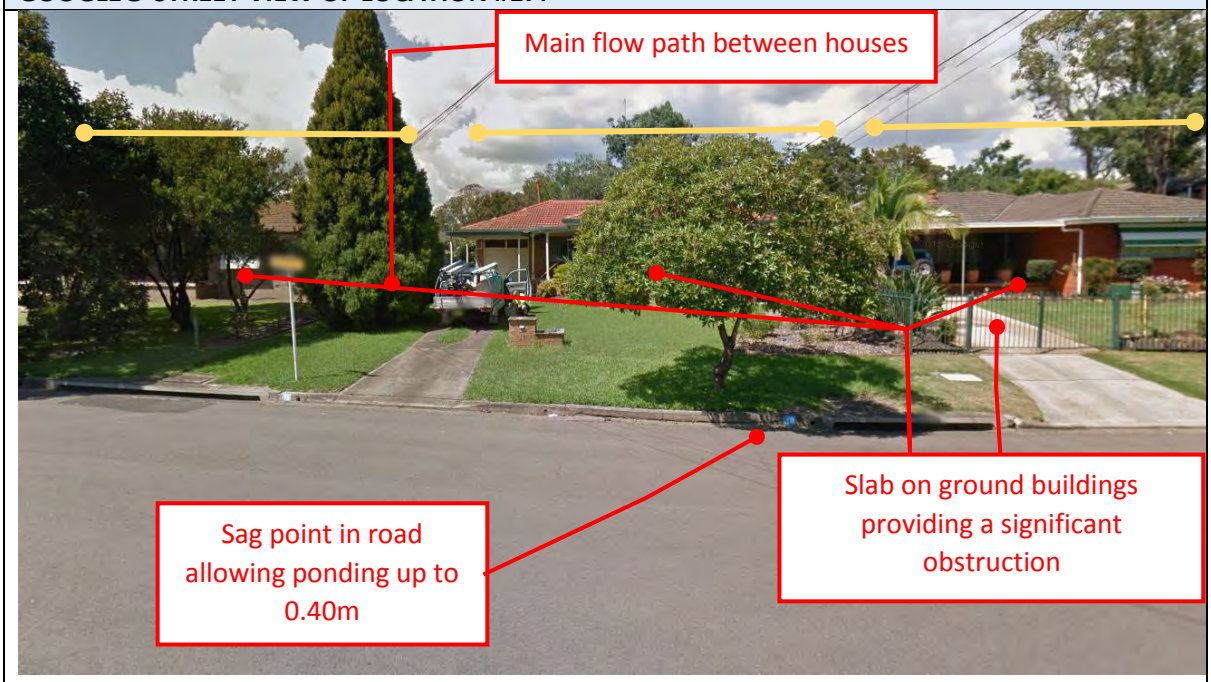
LOCATION:

Flowpath from Evan St and Perritt Pl to Victory St, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #16:

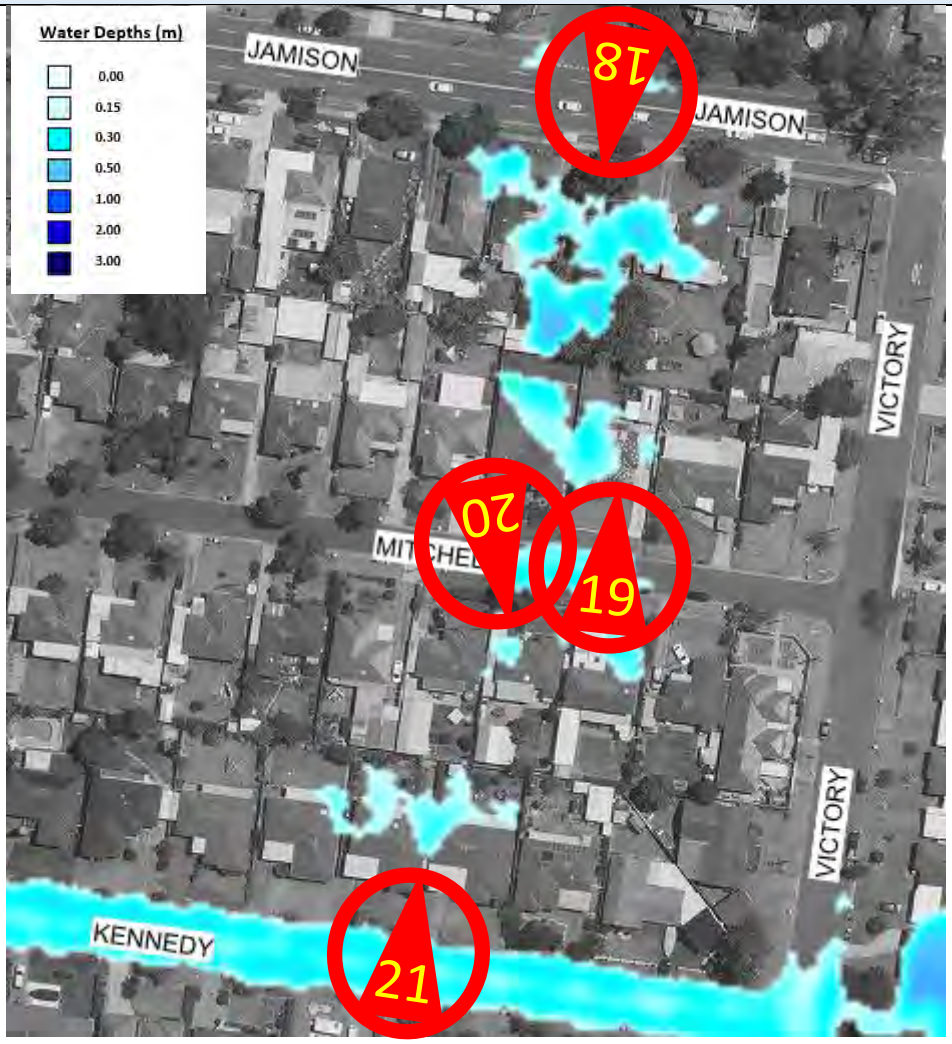
GOOGLE© STREET VIEW OF LOCATION #17:



COMMENT:

Low terrain passes around buildings causing ponding upstream and a flowpath to form between them and onto Victory St. Depth mapping is reasonable and should be retained.

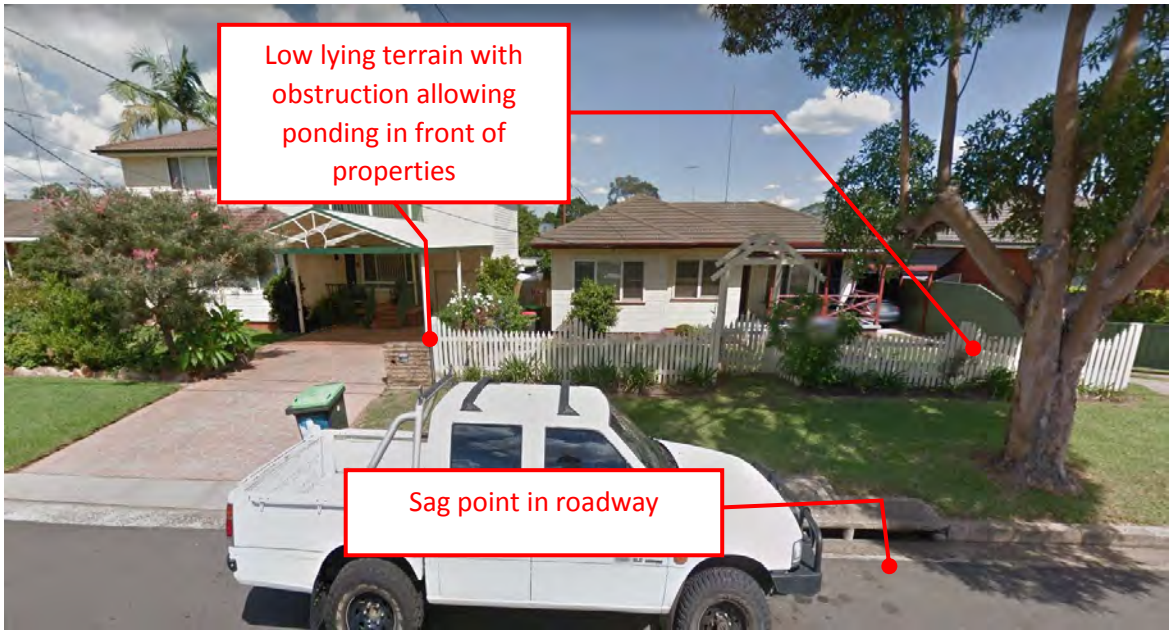
LOCATION:
Flow path from Butler Cres through the eastern and western branches of Penrose Cres, South Penrith
1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #18:

GOOGLE© STREET VIEW OF LOCATION #19:

GOOGLE© STREET VIEW OF LOCATION #20:



GOOGLE© STREET VIEW OF LOCATION #21:

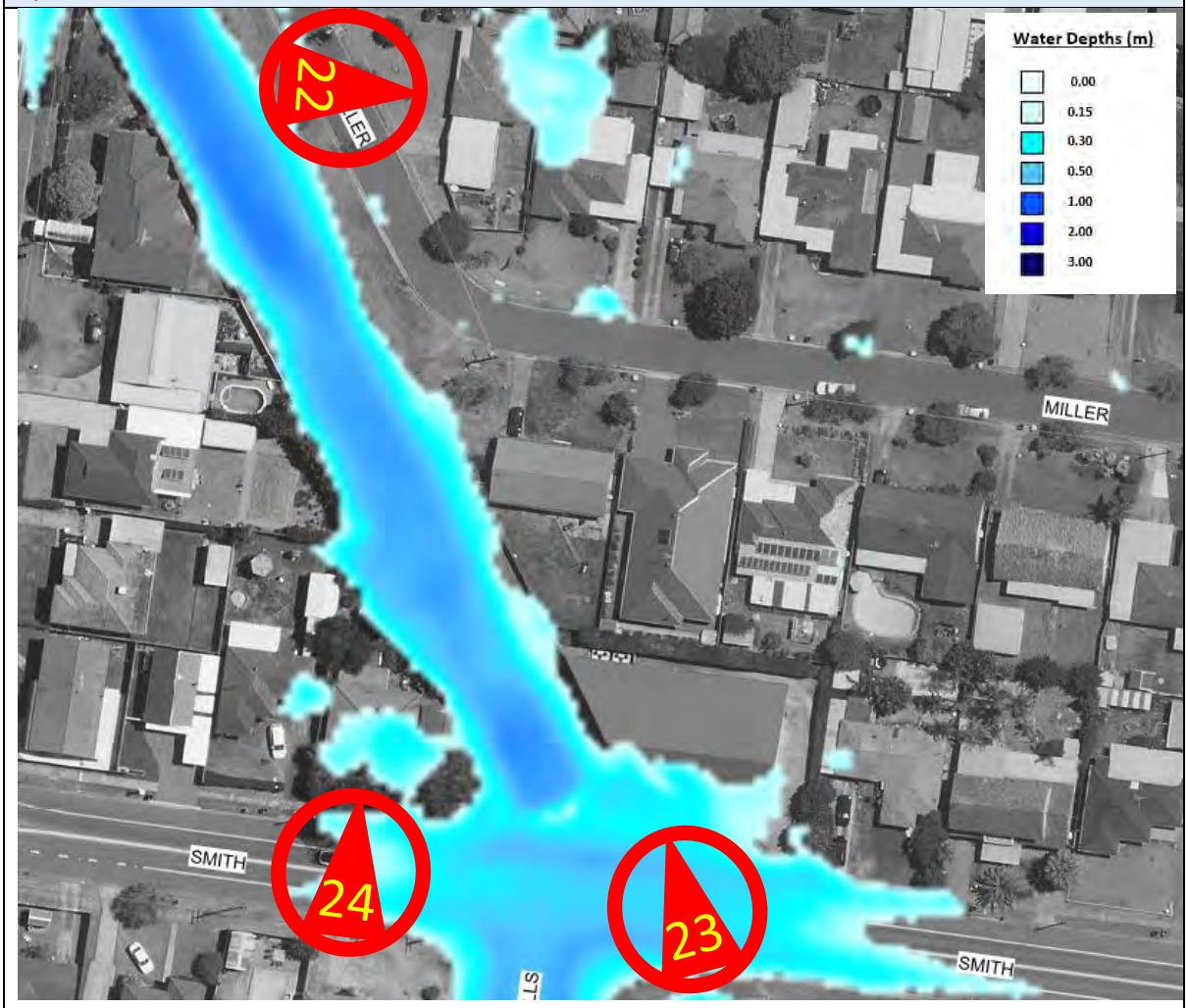
COMMENT:

Terrain slopes off Jamison Road through properties towards Mitchell St and then to Kennedy Drive with some ponding occurring upstream of buildings and fences. Ponding on property is associated with high roughness in model and was removed from mapping as they are not considered reasonable.

LOCATION:

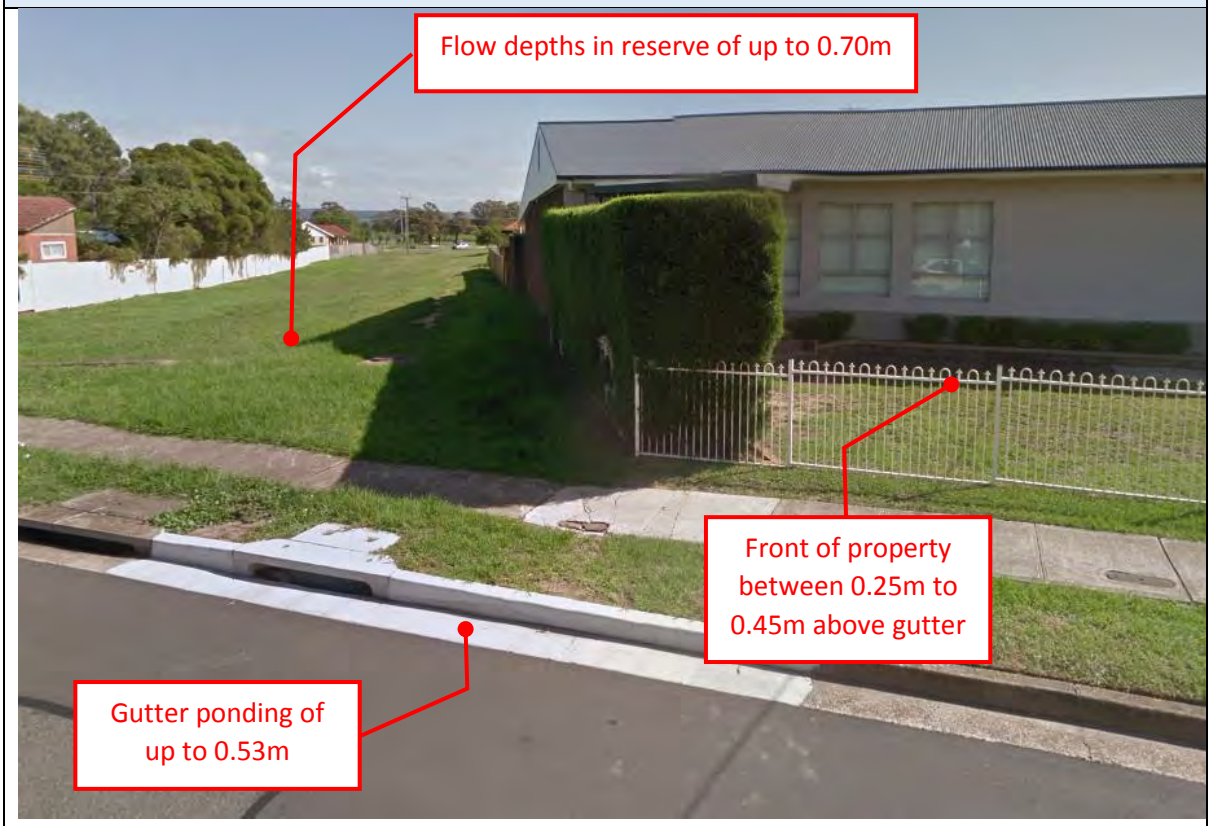
Miller St, South Penrith. The junction of Greenhills Ave and Smith St, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #22:

GOOGLE© STREET VIEW OF LOCATION #23:



GOOGLE© STREET VIEW OF LOCATION #24:

COMMENT:

Significant ponding within Smith St is able to inundate the frontage of adjacent properties. Ponding on location 22 is associated with high roughness in model and was removed from mapping as they are not considered reasonable.

LOCATION:

Mazepa Ave, Sheba Cres and Fragar Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #25:

GOOGLE© STREET VIEW OF LOCATION #26:

GOOGLE© STREET VIEW OF LOCATION #27:

GOOGLE© STREET VIEW OF LOCATION #28:

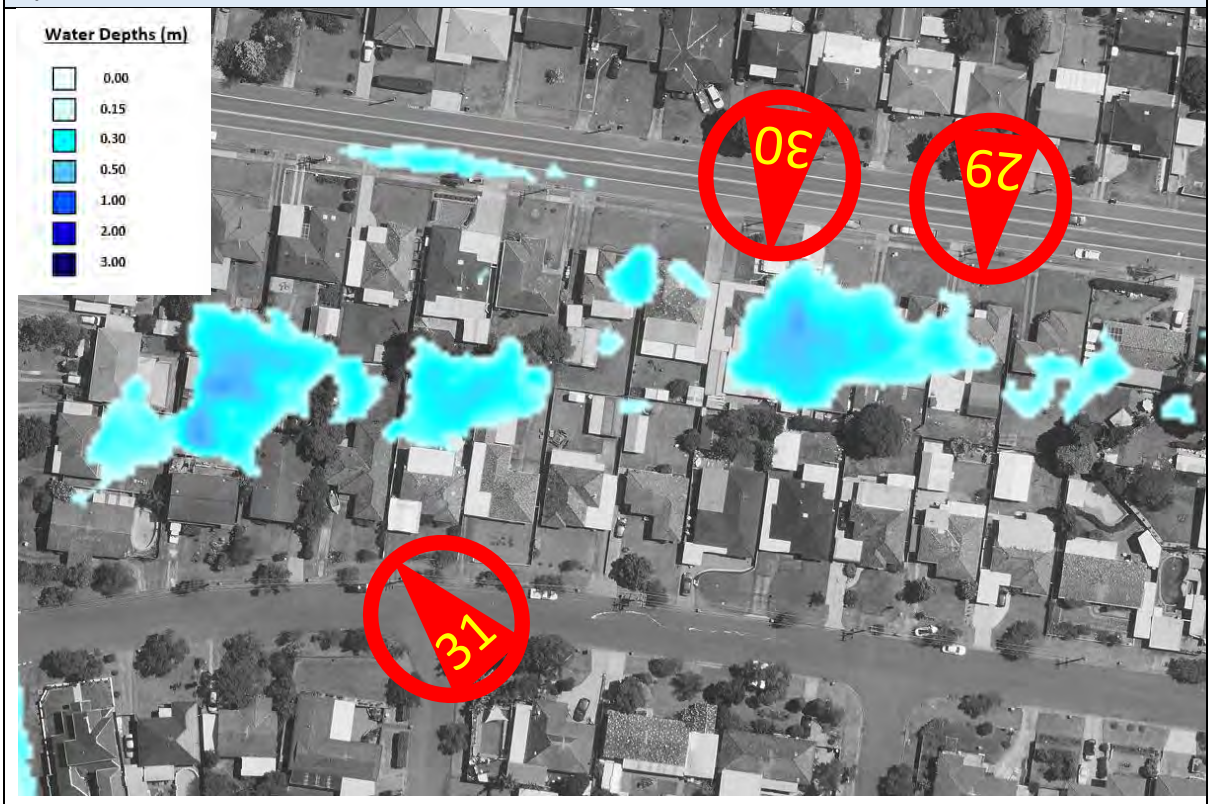
COMMENT:

Low points in terrain pass through houses from Sheba Cres to Fragar Rd, and then towards Treetops Ave. Urban flow obstructions cause ponding along the overland flowpath. Depth mapping is reasonable and should be retained.

LOCATION:

Properties between Smith St and Treetops Ave, South Penrith

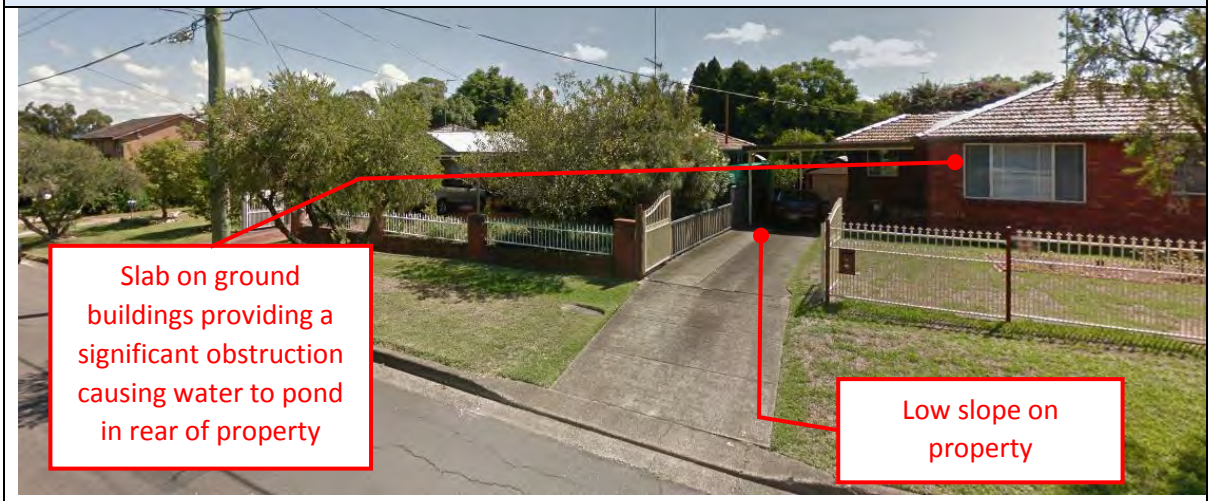
1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #29:

GOOGLE© STREET VIEW OF LOCATION #30:

GOOGLE© STREET VIEW OF LOCATION #31:



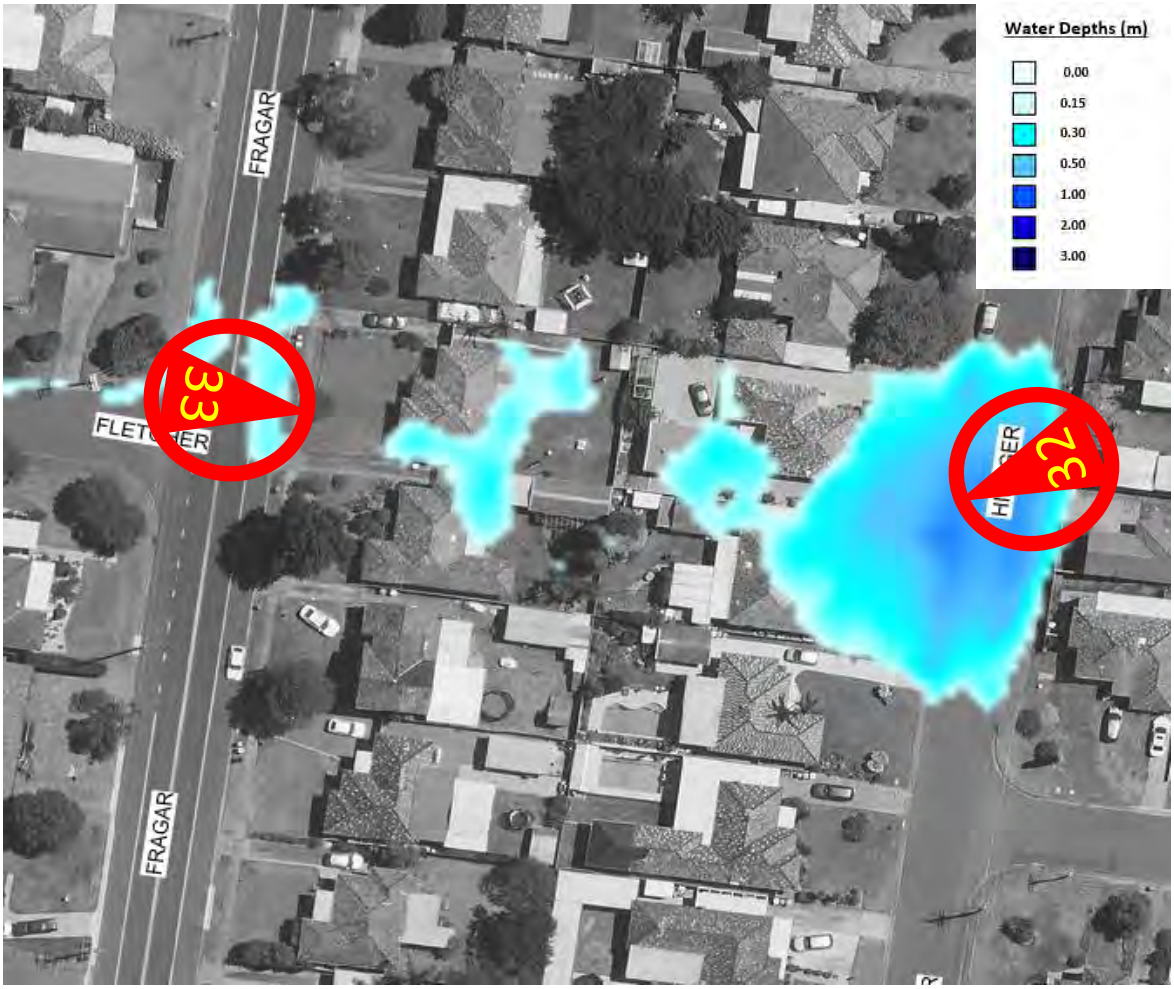
COMMENT:

Low point in terrain passes through properties between Smith St and treetops Ave. Depth mapping is reasonable and should be retained.

LOCATION:

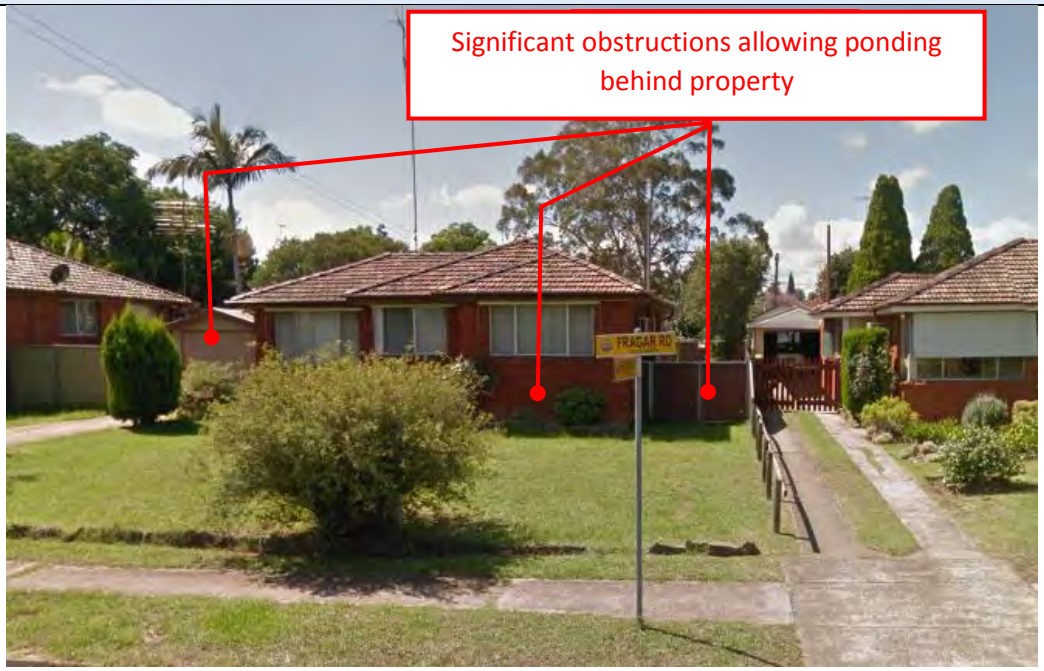
Fragar Rd and Hillger Rd, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #32:

GOOGLE© STREET VIEW OF LOCATION #33:



COMMENT:

A trapped sag location on Hillger Road causes significant ponding of water which is able to move through properties towards Fragar Road. Urban flow obstructions increase ponding depths along the flowpath. Depth mapping is reasonable and should be retained.

LOCATION:

Parker St and Hilliger Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #34:

GOOGLE© STREET VIEW OF LOCATION #35:

COMMENT:

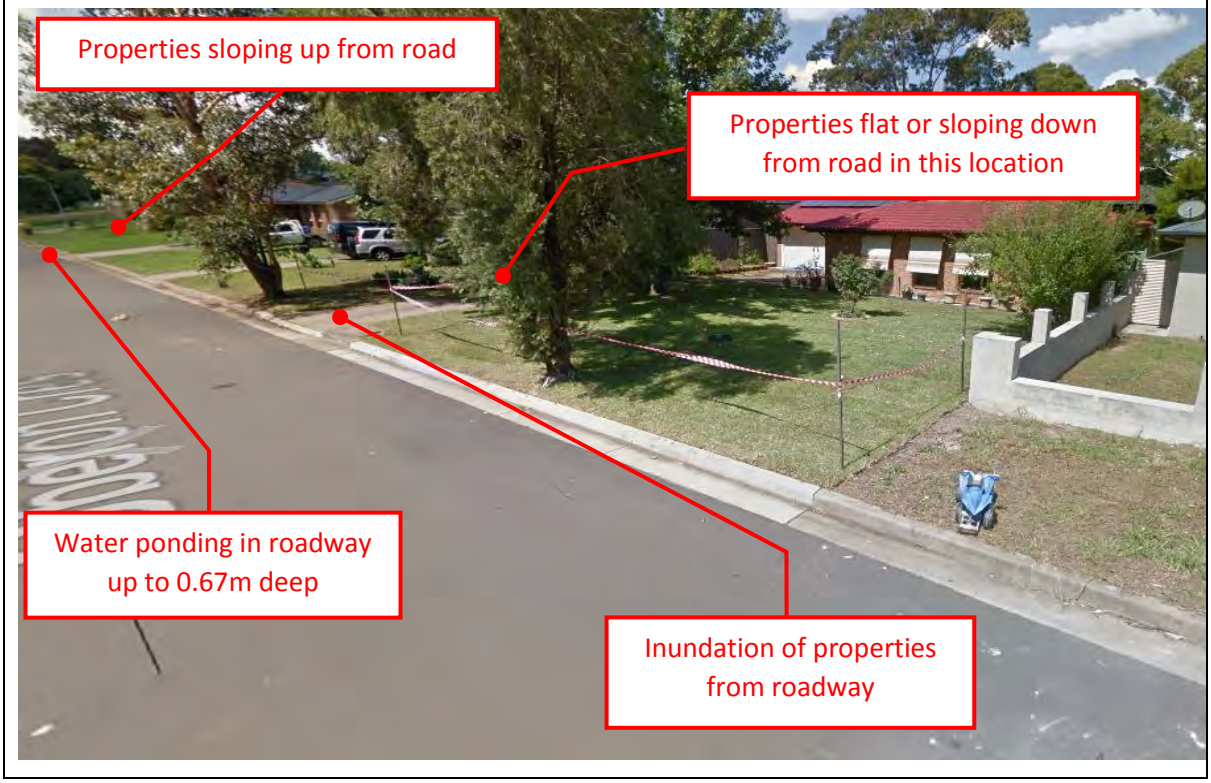
The low point in the terrain falls within properties adjacent the Rotary Park between Parker St and Hilliger Road causing inundation. Urban obstructions impede the movement of water. Ponding is associated with small trapped isolated areas and should be removed from Depth mapping.

LOCATION:

Between Oberon Cres, Wardell Dr and Triton Pl, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #36:



GOOGLE© STREET VIEW OF LOCATION #37:

COMMENT:

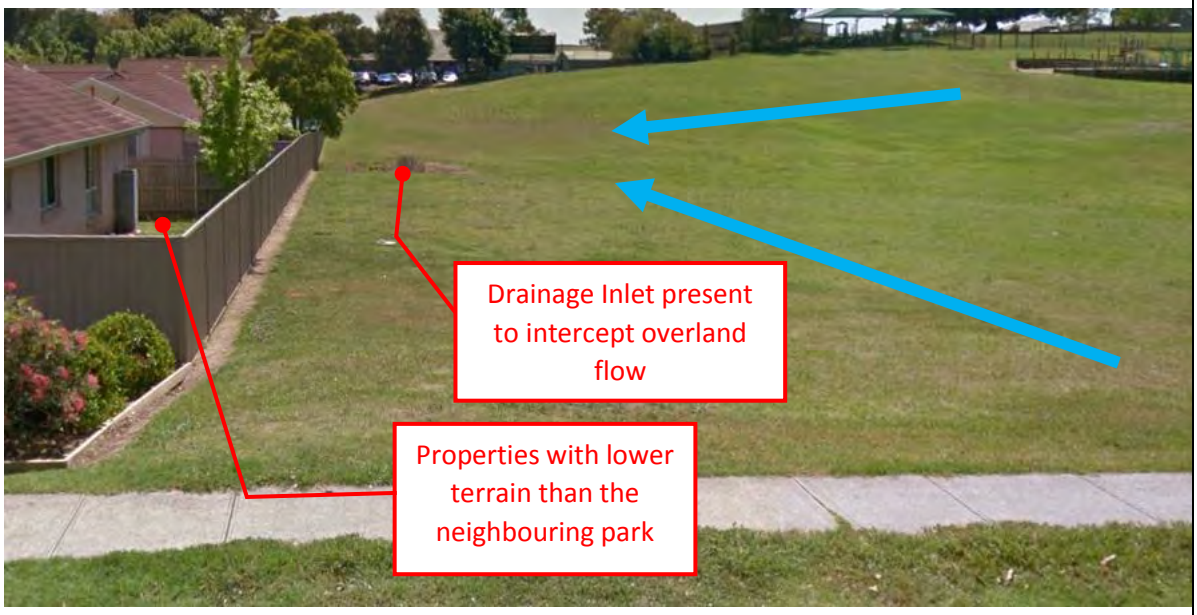
A trapped low point on Oberon Cres causes ponding to build up and spill through properties located further west from the actual sag location. These properties grade down from the roadway and are the location where water will spill. Urban obstructions further impede the movement of water. Depth mapping is reasonable and should be retained.

LOCATION:

Fragar Rd and Wardell Drive, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #38:



GOOGLE© STREET VIEW OF LOCATION #39:

GOOGLE© STREET VIEW OF LOCATION #40:

COMMENT:

Water moving off Wardell Drive Reserve that exceeds the stormwater inlet capacity spills into downstream properties and moves towards Fragar Rd. A low point in Wardell Dr overtops and spills towards building. Depth mapping is reasonable and should be retained.

LOCATION:

Crowle Rd and Samuel Foster Dr, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #41:

GOOGLE© STREET VIEW OF LOCATION #42:

COMMENT:

Trapped low points along Crowle Rd and Samuel Foster Dr cause water to pond and spill through downstream adjacent properties. Urban obstructions further impede the movement of water. Ponding on property is associated with high roughness in model and was removed from mapping as they are not considered reasonable.

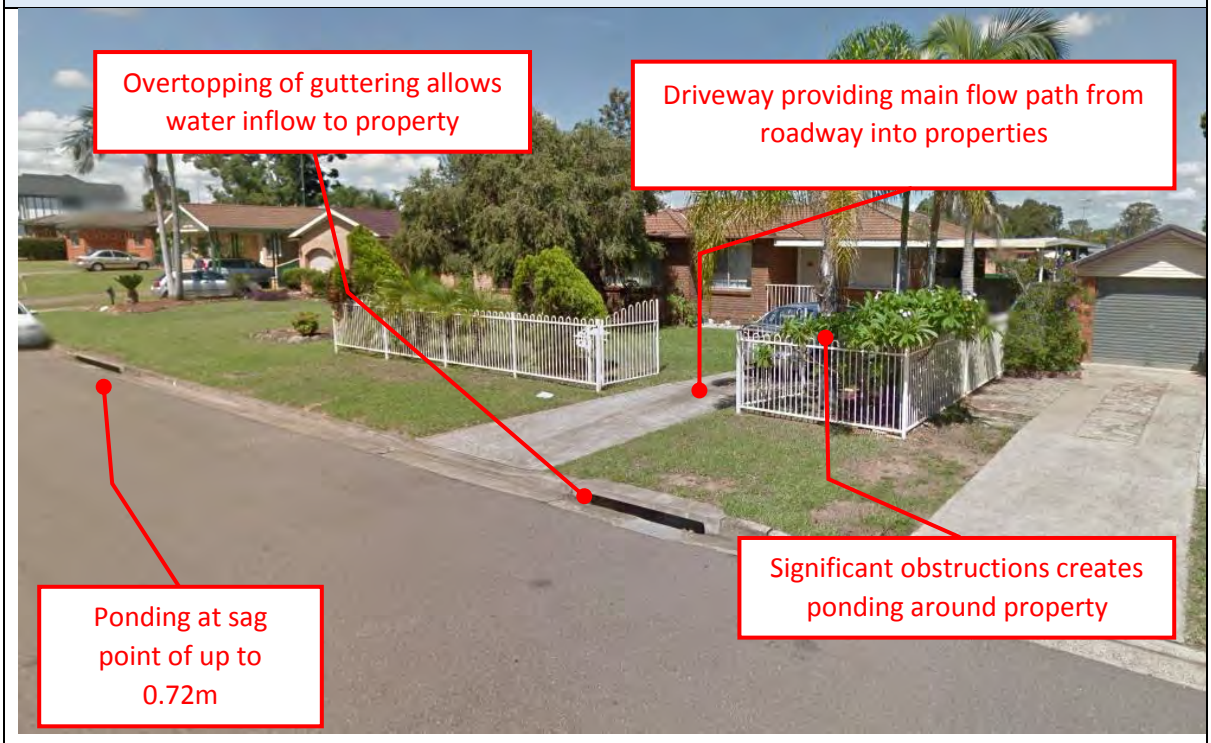
LOCATION:

Mazepa Ave, Sheba Cres and Fragar Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #43:

GOOGLE© STREET VIEW OF LOCATION #44:



GOOGLE© STREET VIEW OF LOCATION #45:

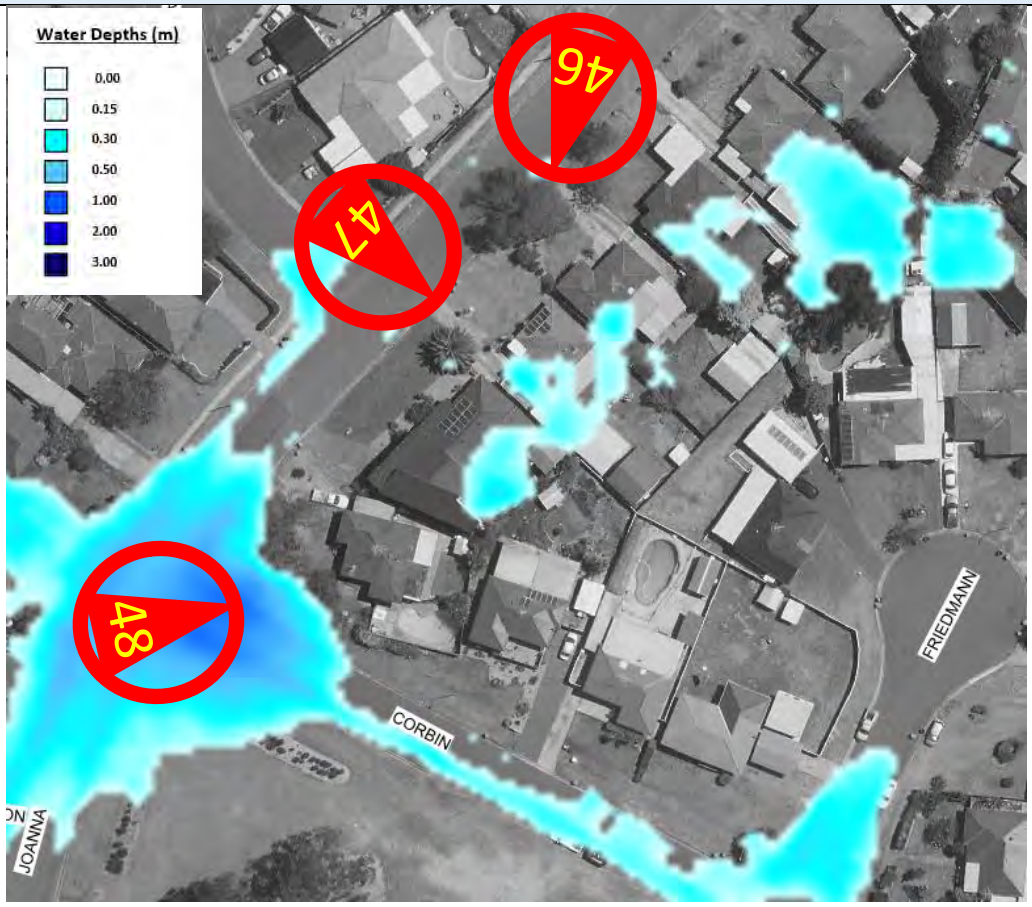
COMMENT:

A raised grassy area and driveway divert water to remain within Joanna St and mapping should be removed from area shown in Location 43. A trapped low point in Samuel Foster Drive causes inundation of properties. Ponding on property is associated with high roughness in model and was removed from mapping as they are not considered reasonable.

LOCATION:

Joanna St, Corbin Ave and Friedmann Pl, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #46:

GOOGLE© STREET VIEW OF LOCATION #47:

GOOGLE© STREET VIEW OF LOCATION #48:

COMMENT:

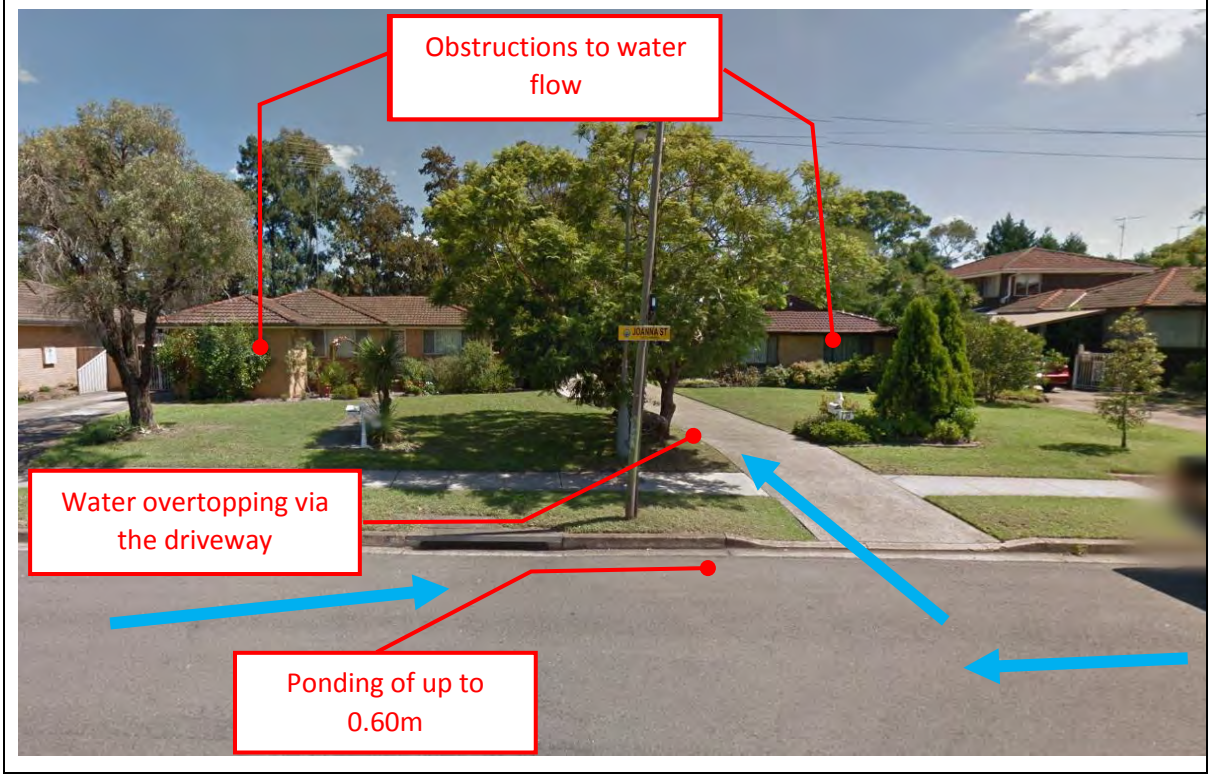
It is difficult to completely confirm the terrain and obstructions at the rear of properties on Bayley St and Joanna St through a field verification (without access into these properties). The LiDAR DEM suggests levels in the rear of these properties in up to 0.30m lower than the location of the buildings, giving ponding depths of up to 0.30m. With the significant obstructions provided by the buildings, garages and fences it is considered that water would pond to some degree in the rear yards of these properties. Based on the field verification, this depth mapping is to be maintained.

LOCATION:

Joanna St and Jason Ave, South Penrith

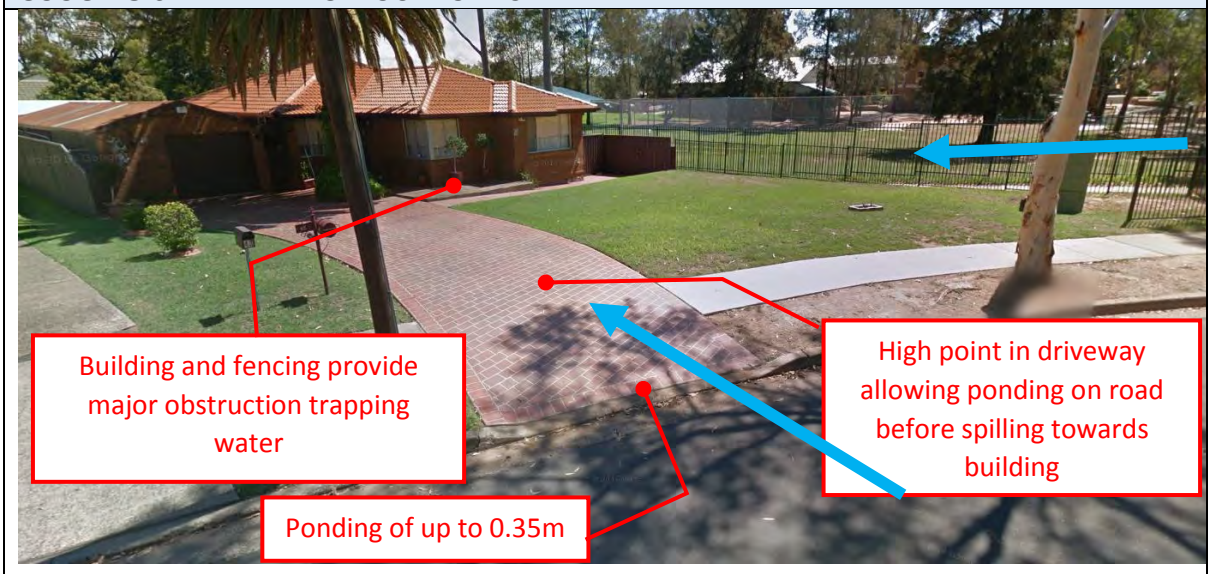
1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #49:



GOOGLE© STREET VIEW OF LOCATION #50:

GOOGLE© STREET VIEW OF LOCATION #51:



COMMENT:

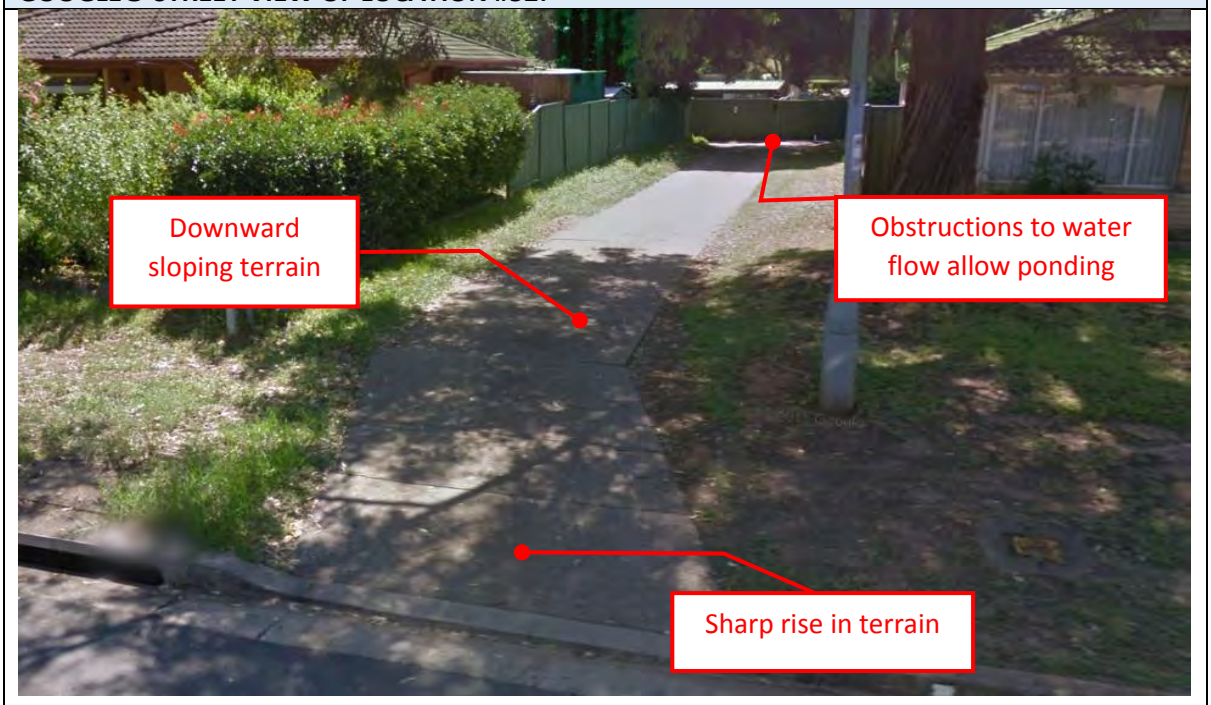
Sag locations at the intersections of Joanna and Corbin/Jason Ave allow ponding of floodwaters. Once sufficient depth is reached, this spills into adjacent properties before entering York Public School and the Eilleen Cammack Soccer Field. Depth mapping is reasonable and should be retained.

LOCATION:

Pindari Dr, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #52:



COMMENT:

A low point on Pindara Dr causes ponding of water which then spills down a pedestrian walkway towards properties where urban obstructions to flow cause some ponding. Depth mapping is reasonable and should be retained.

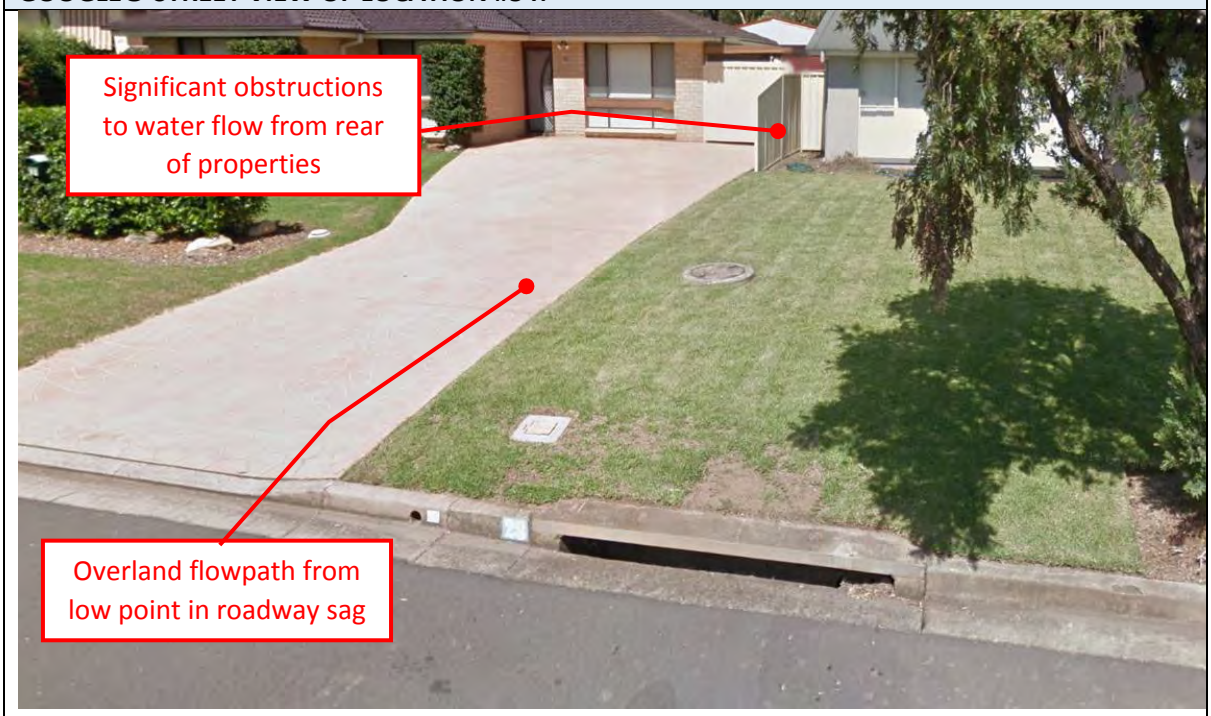
LOCATION:

Pindari Dr and Timaru Grove, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #53:

GOOGLE© STREET VIEW OF LOCATION #54:



COMMENT:

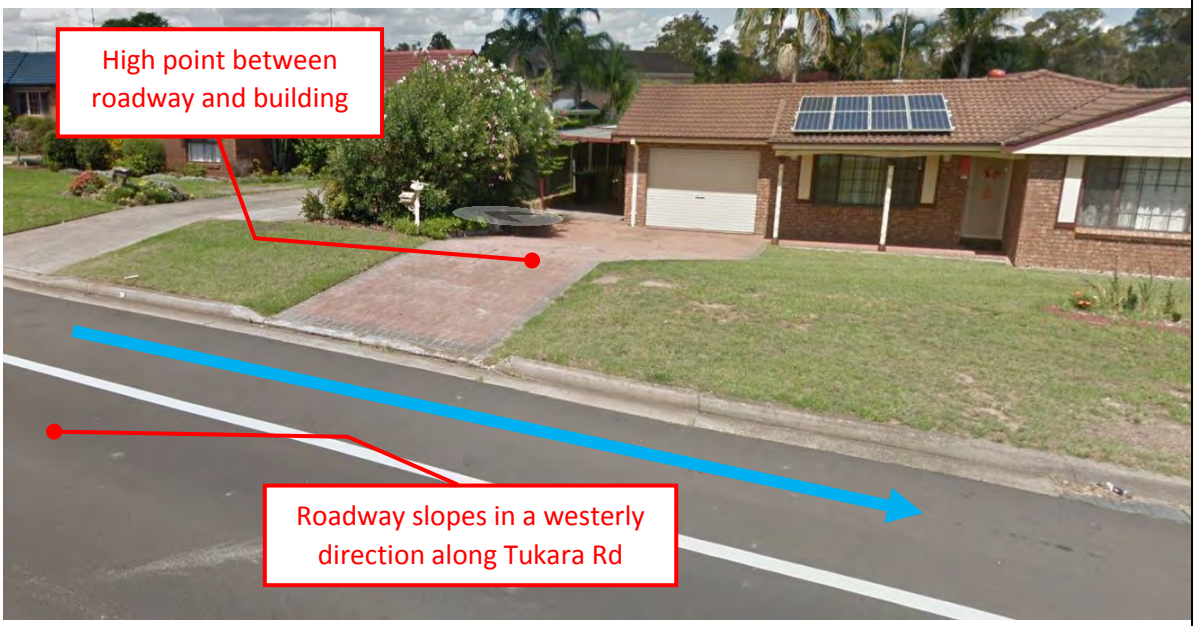
Sag locations in Pindara Dr and Timaru Grave allow ponding of floodwaters. Once sufficient depth is reached, this spills into adjacent properties. Significant urban obstructions slow this movement and cause localised ponding. Depth mapping is reasonable and should be retained.

LOCATION:

Tukara Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #55:



COMMENT:

Floodwaters are unlikely to overtop the kerb at this location due to Tukara Road grading in a westerly direction. Suggest removing ponding at building from mapping.

LOCATION:

Bickley Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #56:

COMMENT:

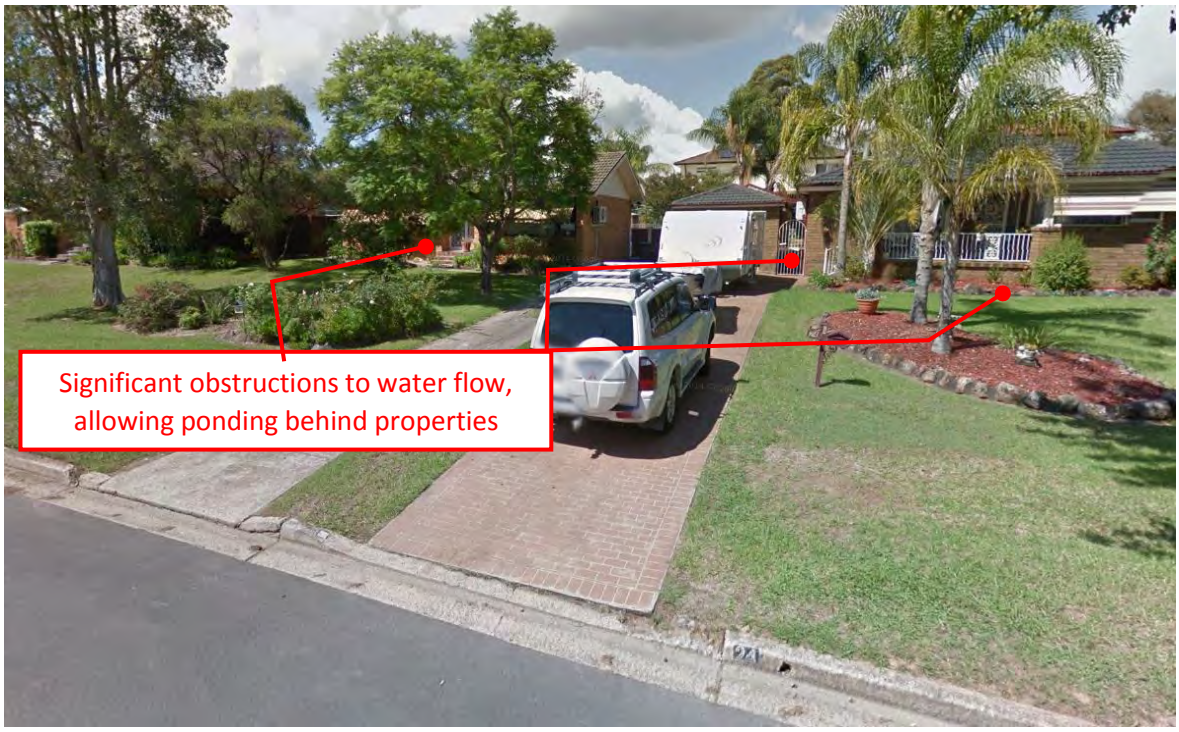
Flat terrain at the rear of properties allows inundation from a drainage swale located between properties and The Northern Road. The swale narrows adjacent to the impacted properties further contributing to the inundation. Depth mapping is reasonable and should be retained.

LOCATION:

Price St and Gandell Cres, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #57:



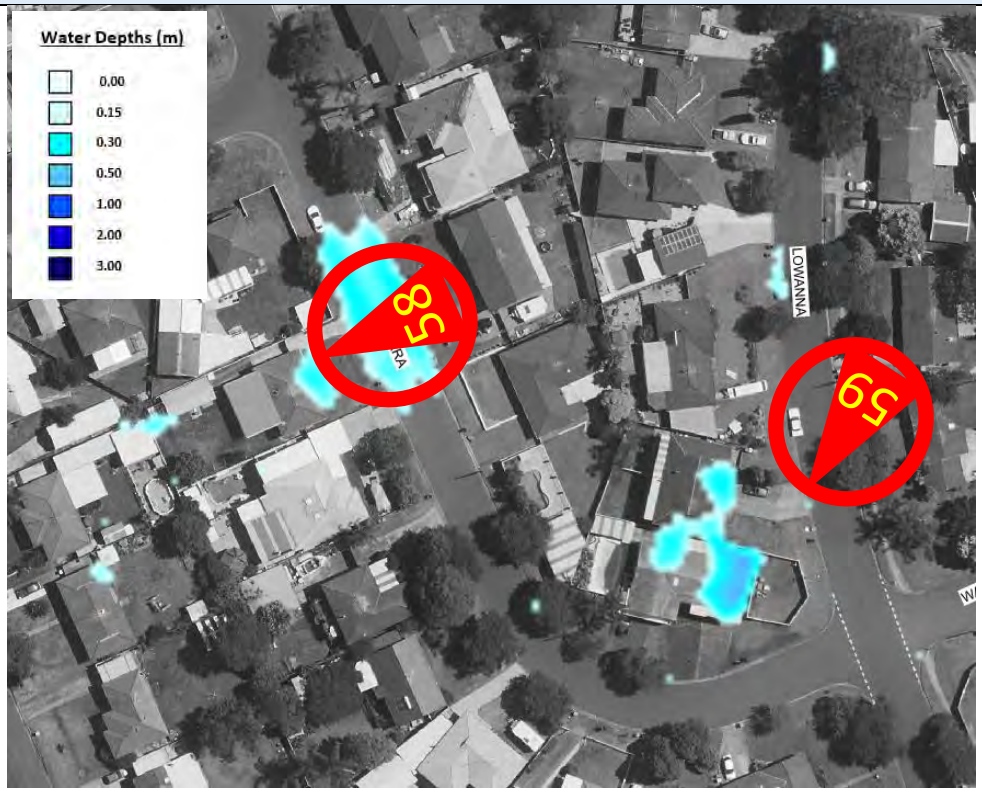
COMMENT:

A trapped sag in Gandell Cres allows for inundation of downstream properties. Urban flow obstructions lead to ponding on the upstream side. Depth mapping is reasonable and should be retained.

LOCATION:

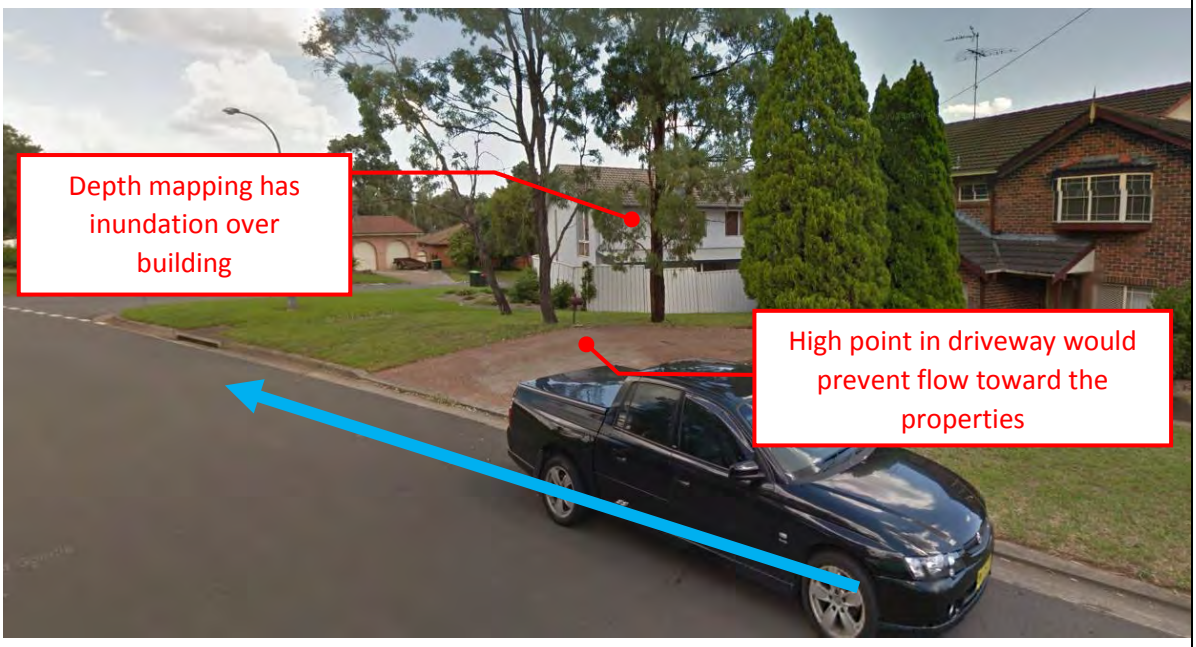
Kiparra Cres and Lowanna Dr, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #58:

GOOGLE© STREET VIEW OF LOCATION #59:



COMMENT:

A trapped low point on Kippara Cres (Location 58) would see water ponding on the roadway. Once sufficient depth is reached, this spills into adjacent properties. Significant urban obstructions slow this movement and cause localised ponding. Depth mapping is reasonable and should be retained at this location.

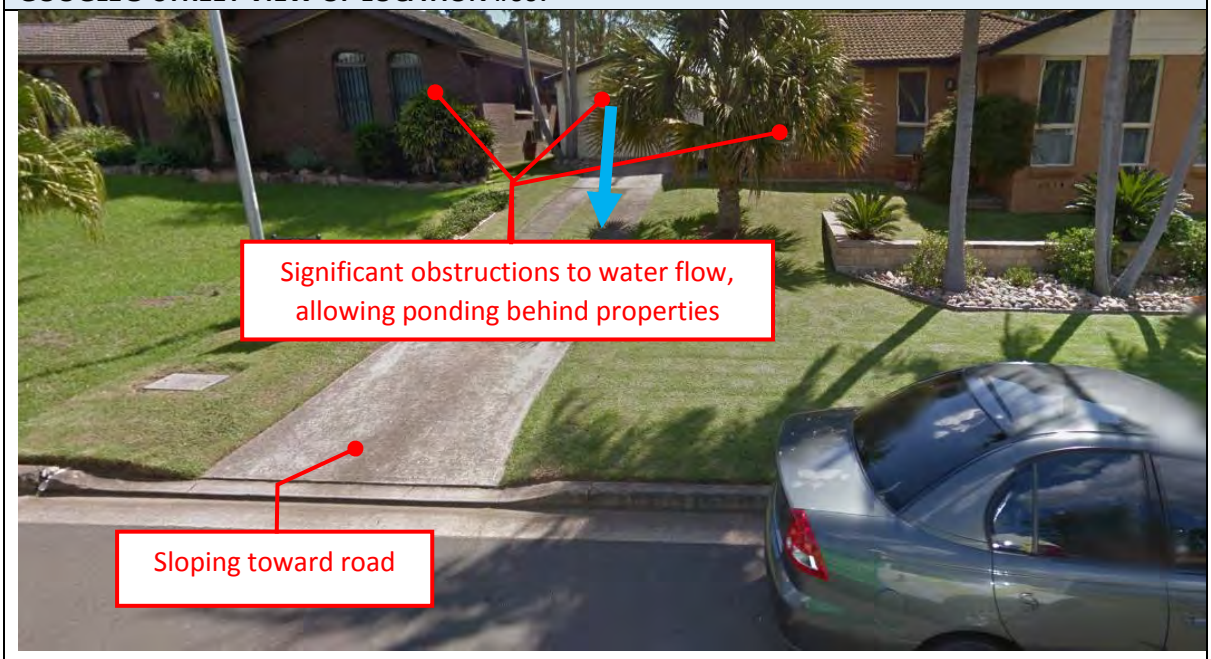
Flow moving down Lowanna Dr would be restricted to the roadway due to a high point in the driveway (Location 59). Depth mapping also indicates significant depths over a building on the corner of Lowanna Dr and Kiparra Cres. These depths are considered unreasonable and should be removed from the flood mapping.

LOCATION:

Henderson Cres, Jamisontown

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #60:



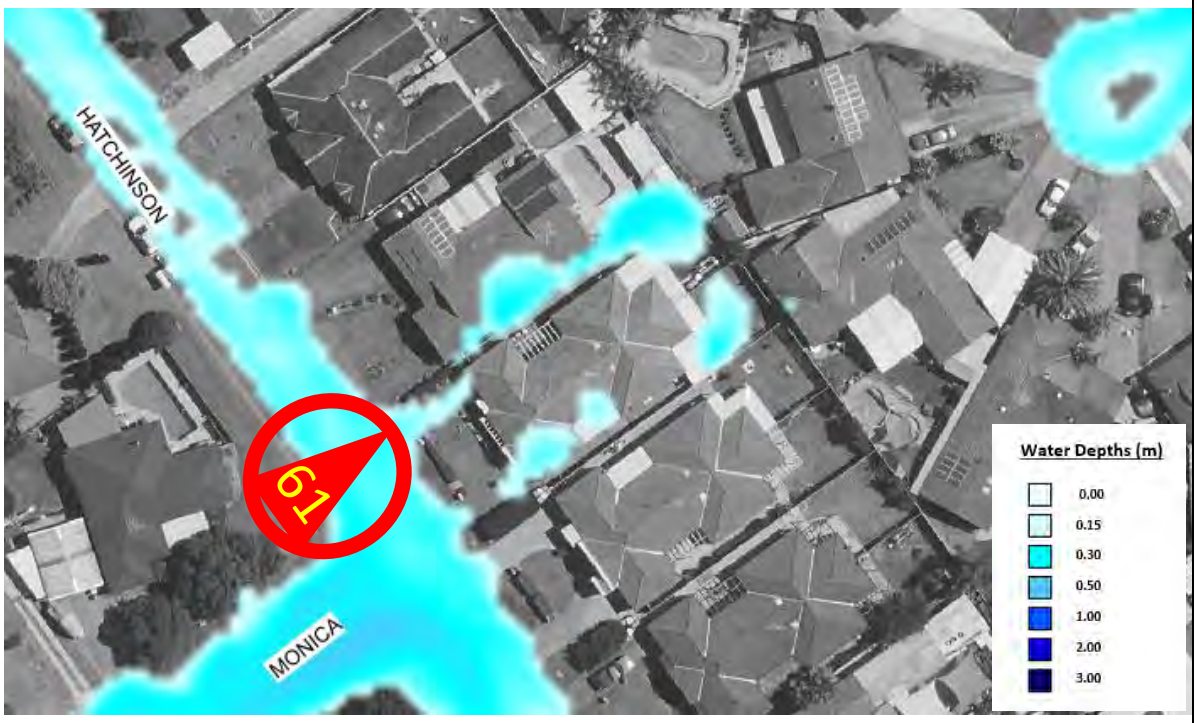
COMMENT:

Flow from the rear of properties (originating within the Jamisontown Public School) ponds and spills through properties in an easterly direction towards Henderson Cres. Urban flow obstructions slow this movement and cause localised ponding. Depth mapping is reasonable and should be retained at this location.

LOCATION:

Hatchinson Cres, opposite Monica Pl, Jamisontown

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #61:

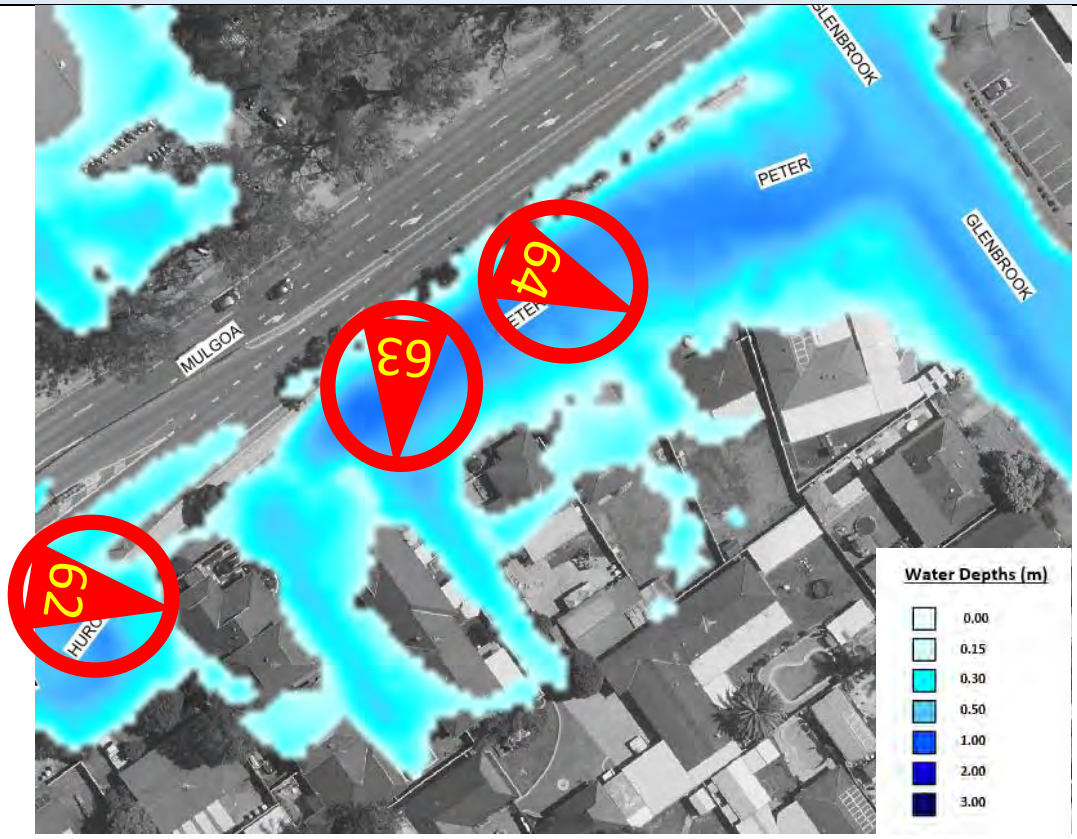
COMMENT:

Location 61 is a recently developed property and the terrain used may not accurately represent current conditions. Hatchinson Cres slopes north-west from the site and would allow water to remain in the roadway. The depths across the property are considered unreasonable and should be removed from the flood mapping.

LOCATION:

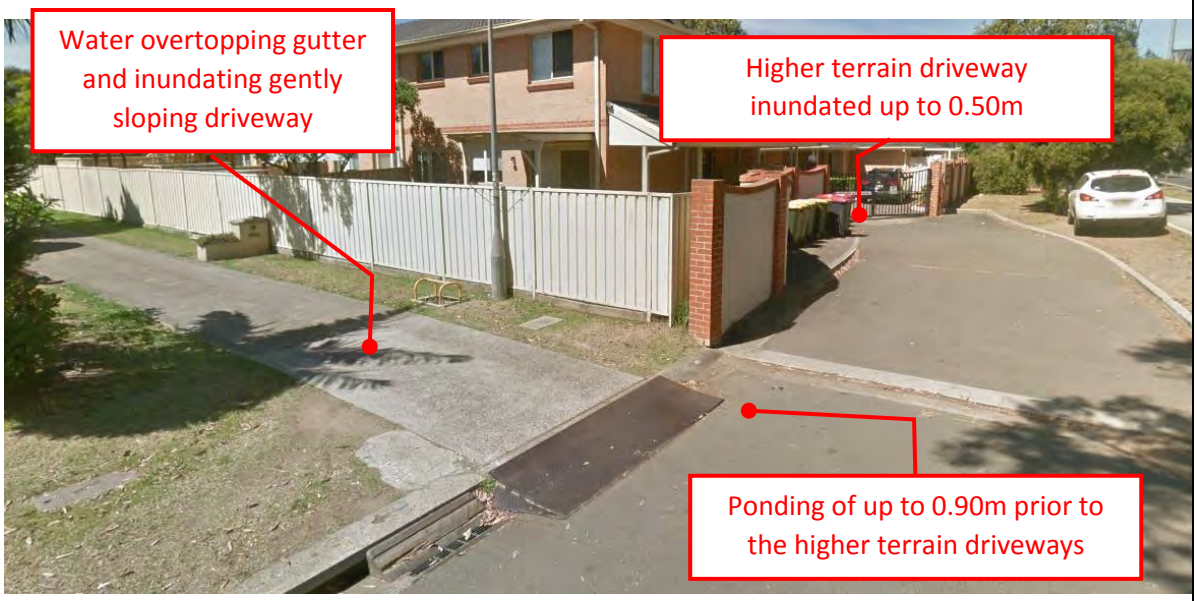
Peter Ct and Huron Pl, Jamisontown

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #62:

GOOGLE© STREET VIEW OF LOCATION #63:



GOOGLE© STREET VIEW OF LOCATION #64:

COMMENT:

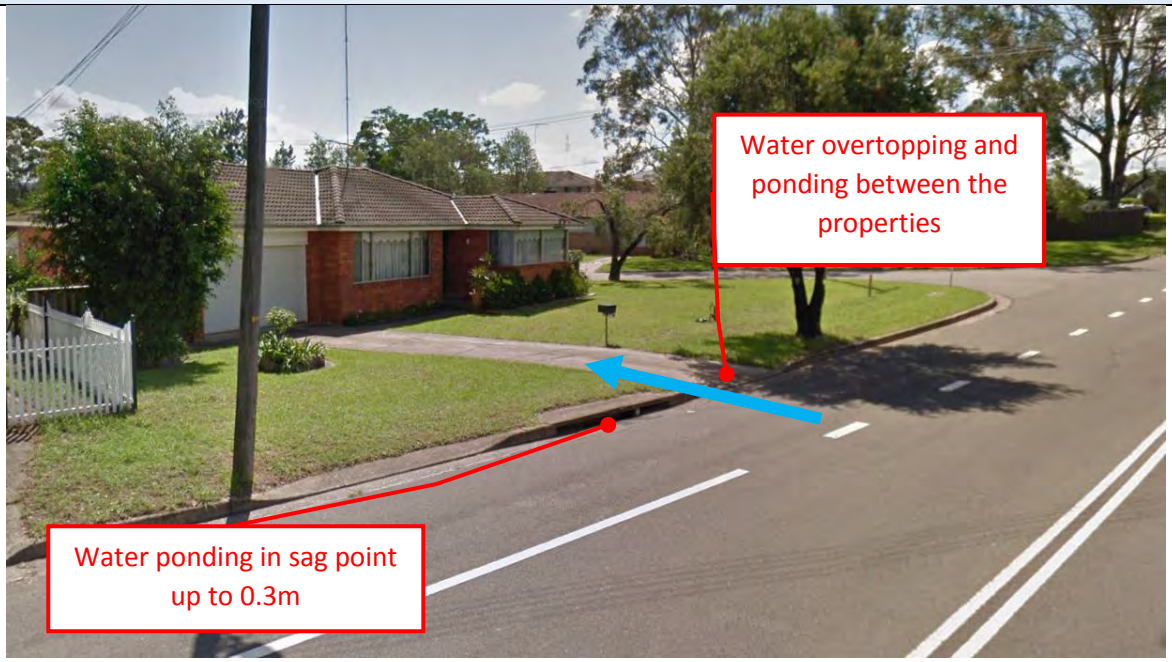
Huron Pl and Peter Ct experience significant ponding depths. Once sufficient depth is reached, this spills into adjacent properties following lower lying driveways and pathways. Urban flow obstructions further impede water movement and increase ponding. Depth mapping is reasonable and should be retained at these locations.

LOCATION:

Racecourse Rd and Sunset Ave, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #65:



COMMENT:

A sag point on Racecourse Rd causes ponding which then overtops the kerb by way of a low level driveway and causes ponding on the upstream face of a building. Water moves around this building towards Sunset Ave. Depth mapping is reasonable and should be retained at these locations.

LOCATION:

Castlereagh St, Rawson Ave and Winston St, Penrith

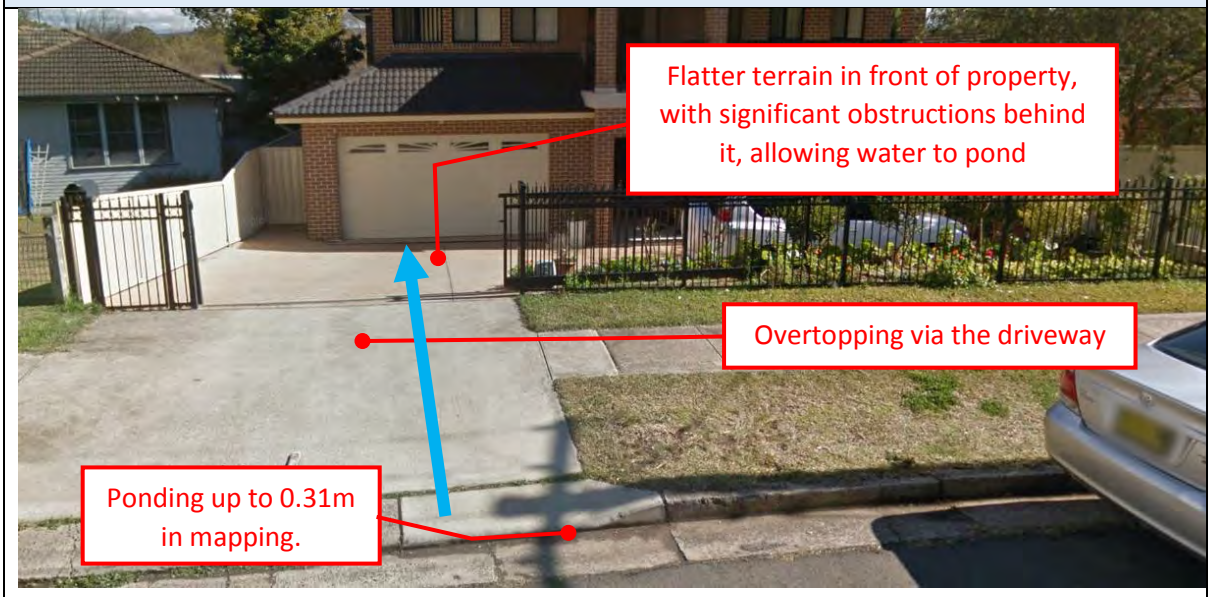
1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #66:

GOOGLE© STREET VIEW OF LOCATION #67:

GOOGLE© STREET VIEW OF LOCATION #68:

GOOGLE© STREET VIEW OF LOCATION #69:



COMMENT:

Floodwaters from Winston St (Location 66) move through properties will flat driveways. This then moves towards Castlereagh St to a sag location (Location 67). Flow from Rawson Ave overtops the kerb and spills down the driveway towards a building (Location 69) before also moving towards Castlereagh St. Depth mapping is reasonable and should be retained at these locations.

Depths shown in Location 68 are not considered reasonable due to a significant slope in the driveway and an on-site stormwater system which would prevent ponding to depths indicated. These results should be removed from the mapping.

LOCATION:

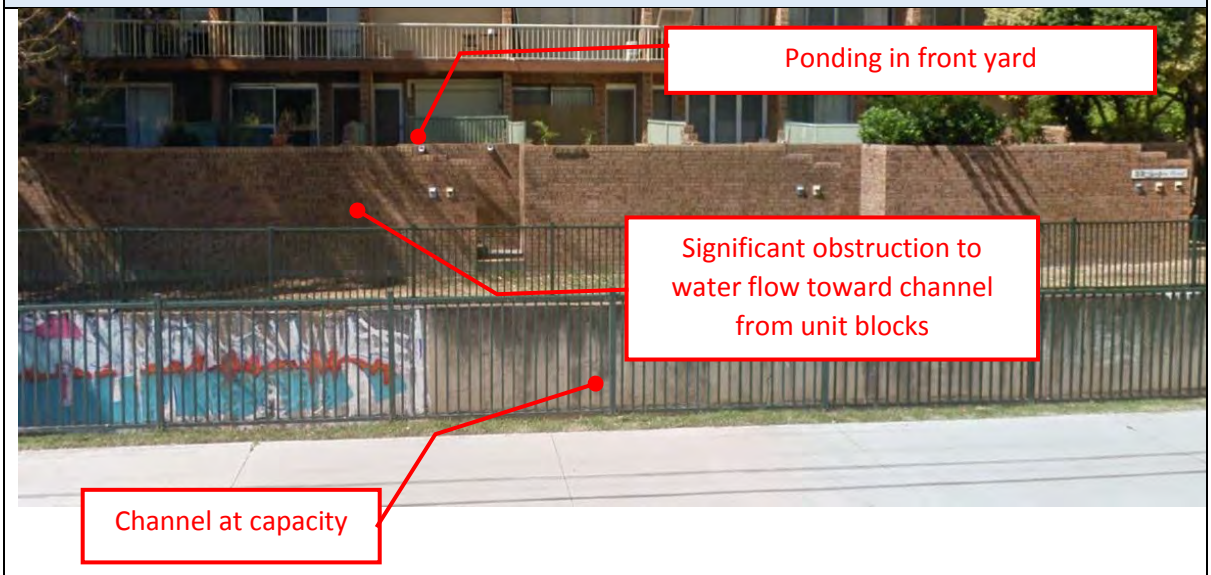
Corner of Jamison Rd and York Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #70:

GOOGLE© STREET VIEW OF LOCATION #71:

GOOGLE© STREET VIEW OF LOCATION #72:



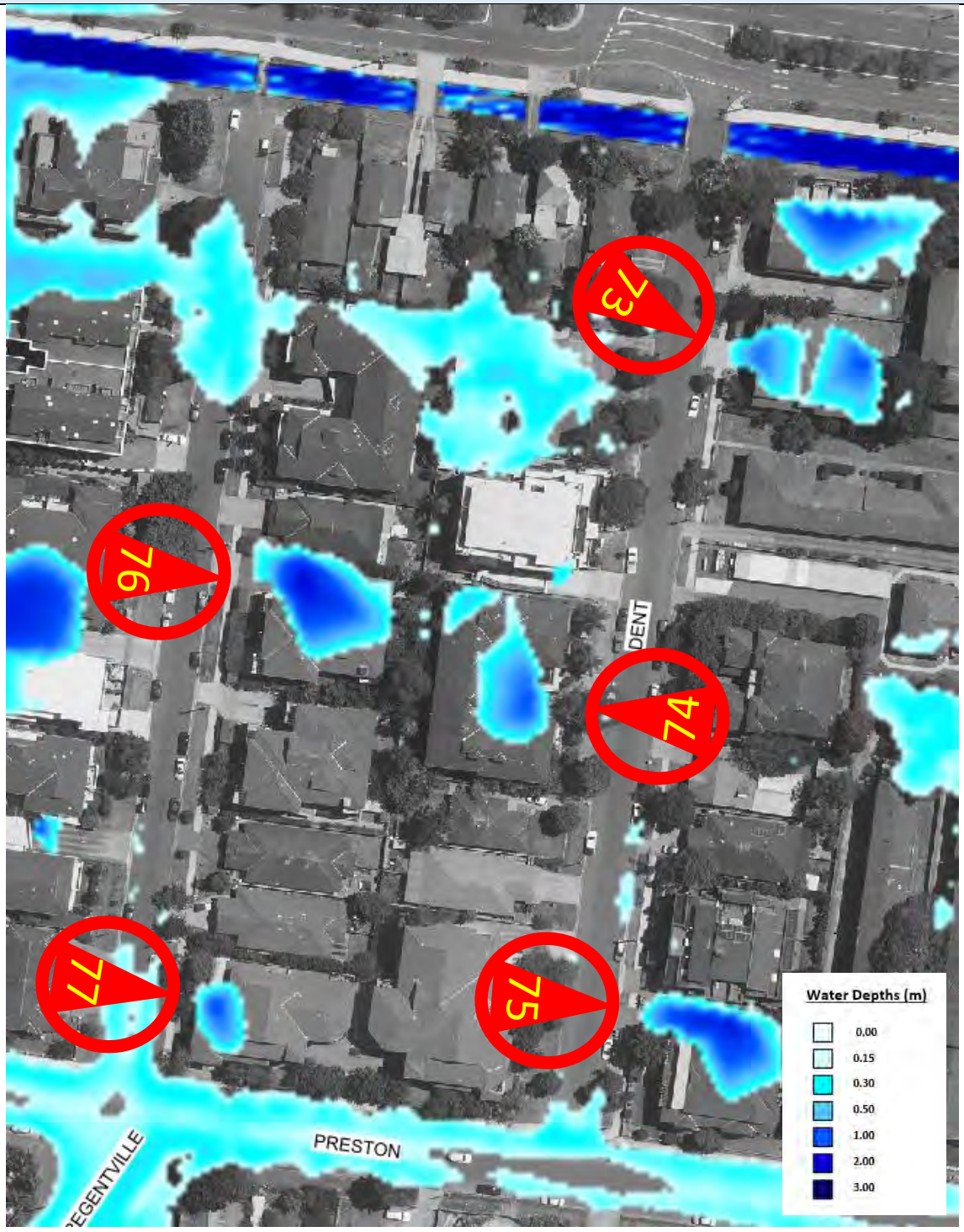
COMMENT:

An overland flowpath moves from York Rd towards Jamison Rd through high density residential precinct. Signfiicant impediment to flow is afforded by the abundance of urban flow obstructions. A concrete channel running adjacent Jamison Road can also overtop and spill into the precinct as it is lower than Jamison Road. A number of underground carparks also exist and significant ponding can occur within these. Depth mapping is reasonable and should be retained at these locations.

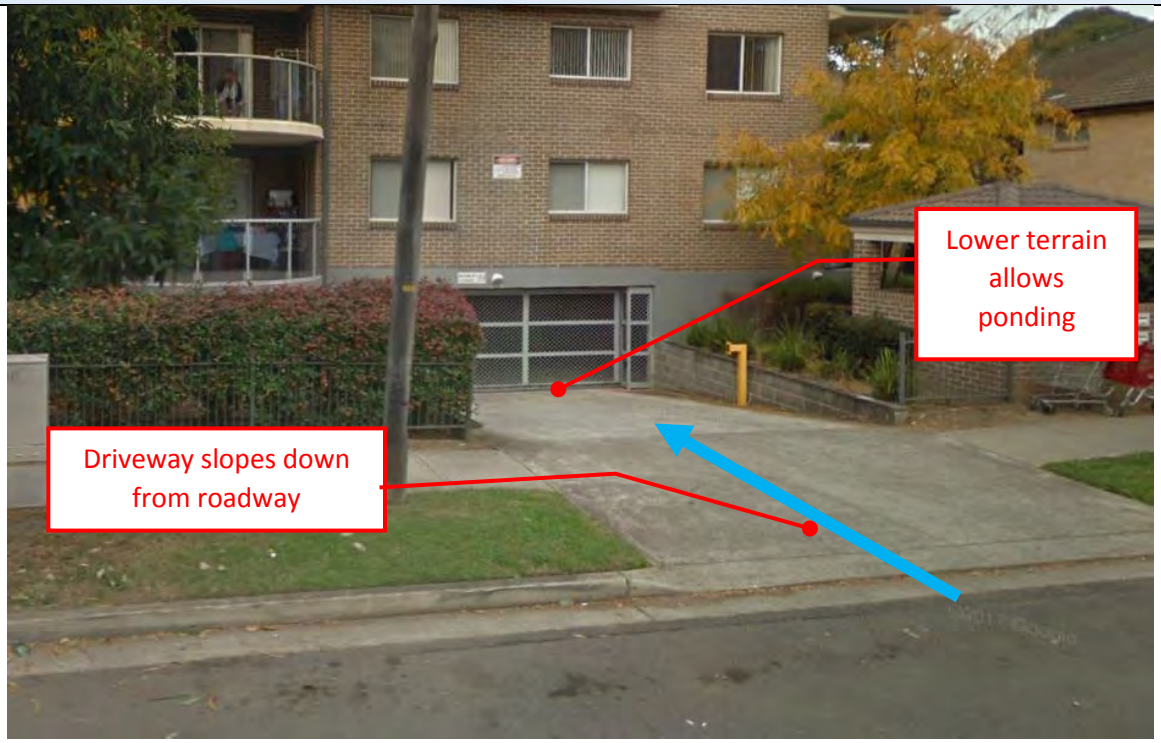
LOCATION:

Dent St and Regentville Rd, between Jamison Rd and Preston St, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #73:

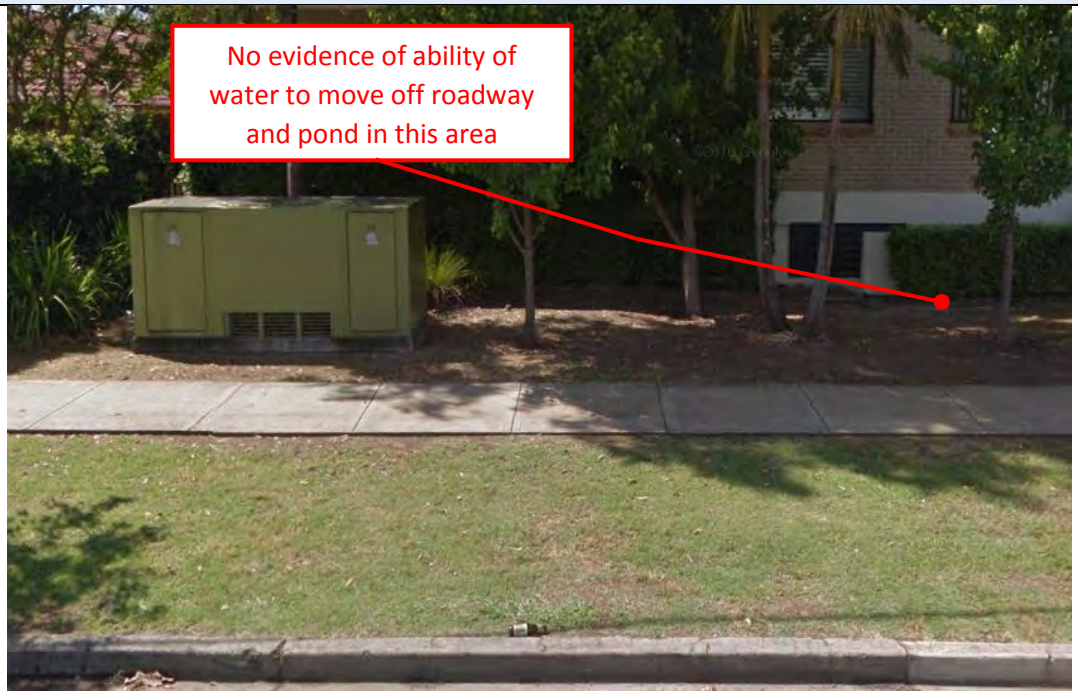


GOOGLE© STREET VIEW OF LOCATION #74:

GOOGLE© STREET VIEW OF LOCATION #75:

GOOGLE© STREET VIEW OF LOCATION #76:

GOOGLE© STREET VIEW OF LOCATION #77:



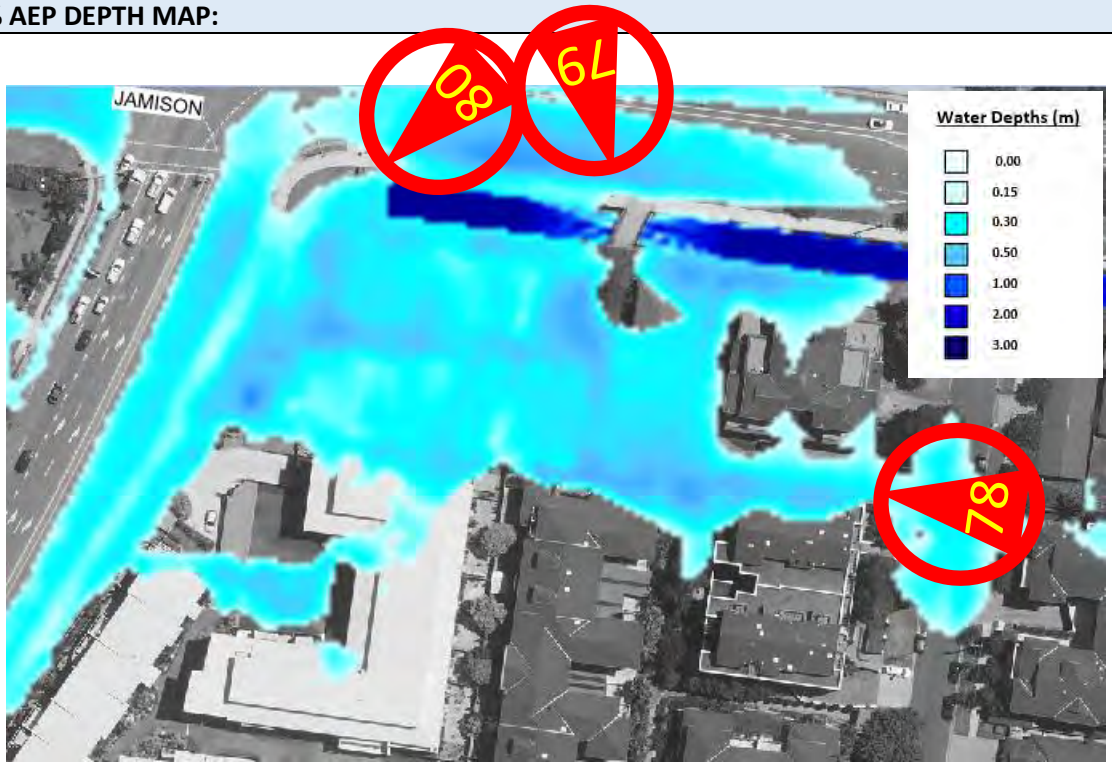
COMMENT:

Locations 73-76 indicate water moving off the roadway and into underground carparking areas. Access driveways are generally flat or sloping down from the roadway, promoting water movement towards the low lying carpark area. Ponding on property is associated with high roughness in model and was removed from mapping as they are not considered reasonable. However, Location 77 does not provide for any such flowpath, and the depth mapping at this location should be removed.

LOCATION:

Jamison St, Mulgoa Rd and Regentville Rd, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #78:

GOOGLE© STREET VIEW OF LOCATION #79:

GOOGLE© STREET VIEW OF LOCATION #80:

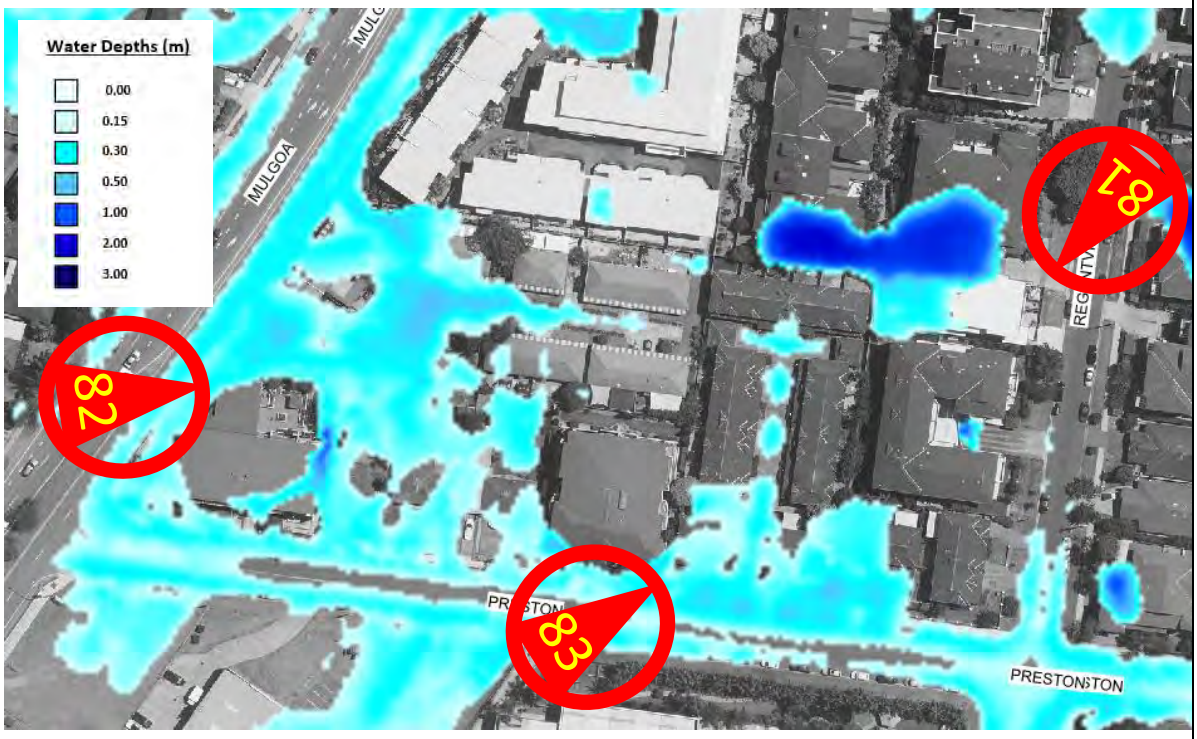
COMMENT:

Overland flowpaths through the high density residential precinct carry the majority of flow, however, a large area is contained by urban flow obstructions and can lead to some significant depths of ponded water. The area is generally located at or below Jamison Road. Depth mapping is reasonable and should be retained at these locations.

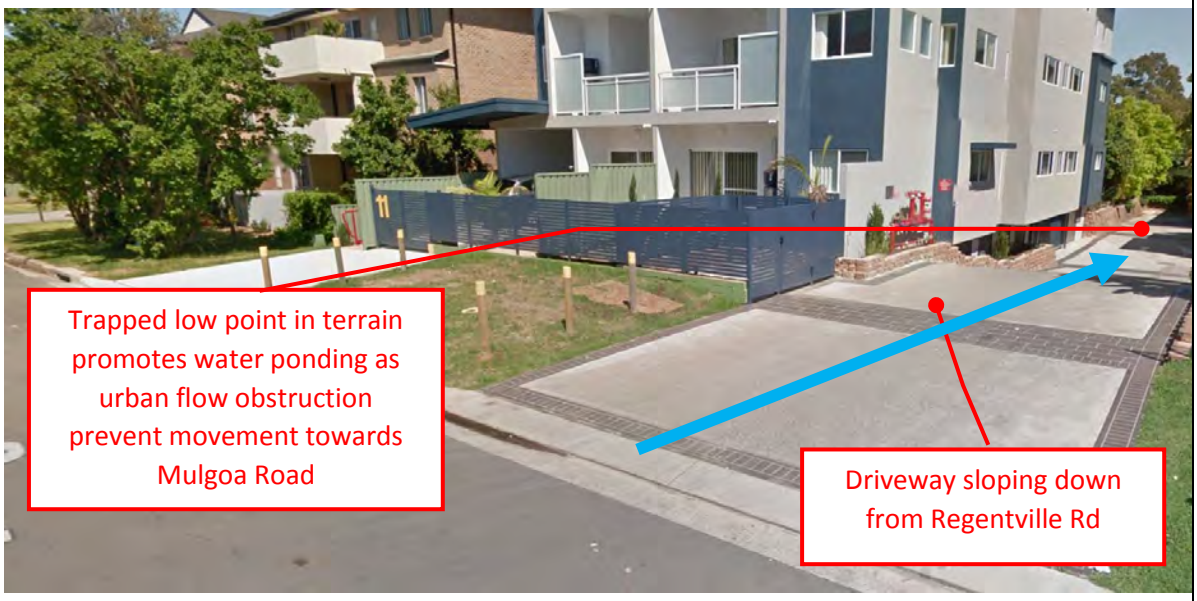
LOCATION:

Preston St, Mulgoa Rd and Regentville Rd, South Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #81:



GOOGLE© STREET VIEW OF LOCATION #82:

GOOGLE© STREET VIEW OF LOCATION #83:

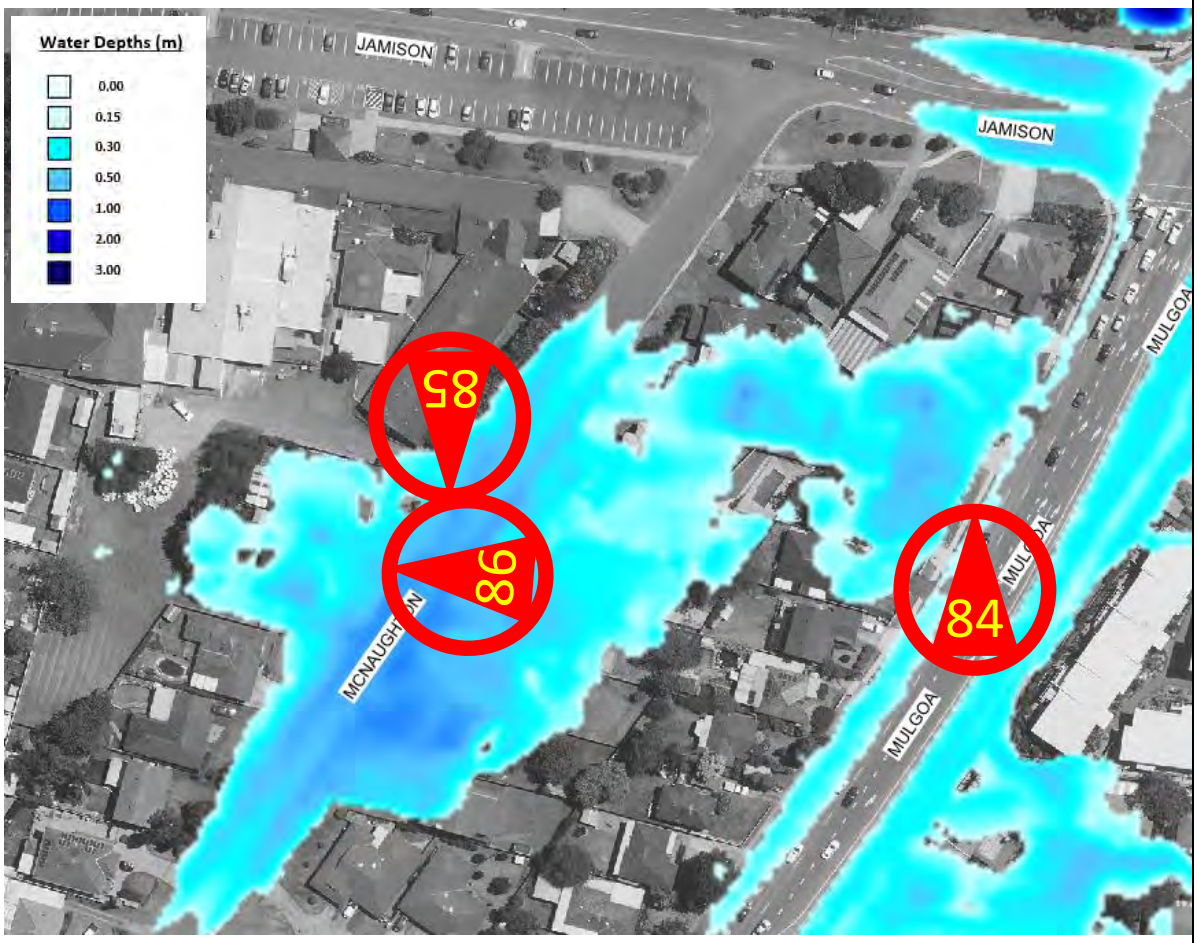
COMMENT:

Trapped Low point on Regentville Rd allows significant water ponding. Urban flow obstructions and higher terrain prevent movement towards Mulgoa Road. Flow from Mulgoa Road is able to move East down driveways into lower lying land, also evident from Preston St moving North. Depth mapping is reasonable and should be retained at these locations.

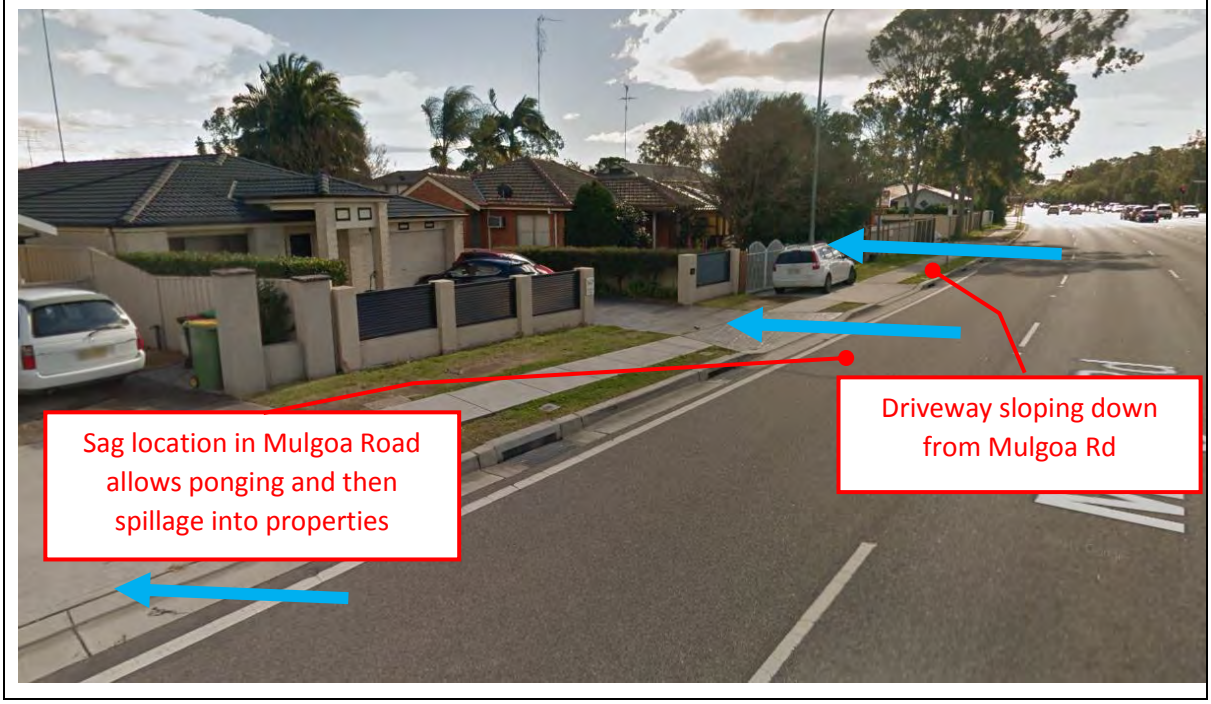
LOCATION:

Mulgoa Rd, McNaughton St, Penrith

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #84:



GOOGLE© STREET VIEW OF LOCATION #85:

GOOGLE© STREET VIEW OF LOCATION #86:

COMMENT:

A trapped, low lying, flat area of McNaughton St promotes water moving from a sag on Mulgoa Road to pond. Depths can reach 0.78m and allows for spilling from the roadway into adjacent properties. Significant urban flow obstructions also contribute to ponding. Depth mapping is reasonable and should be retained at these locations.

LOCATION:

Mulgoa Rd, South Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #87:

GOOGLE© STREET VIEW OF LOCATION #88:

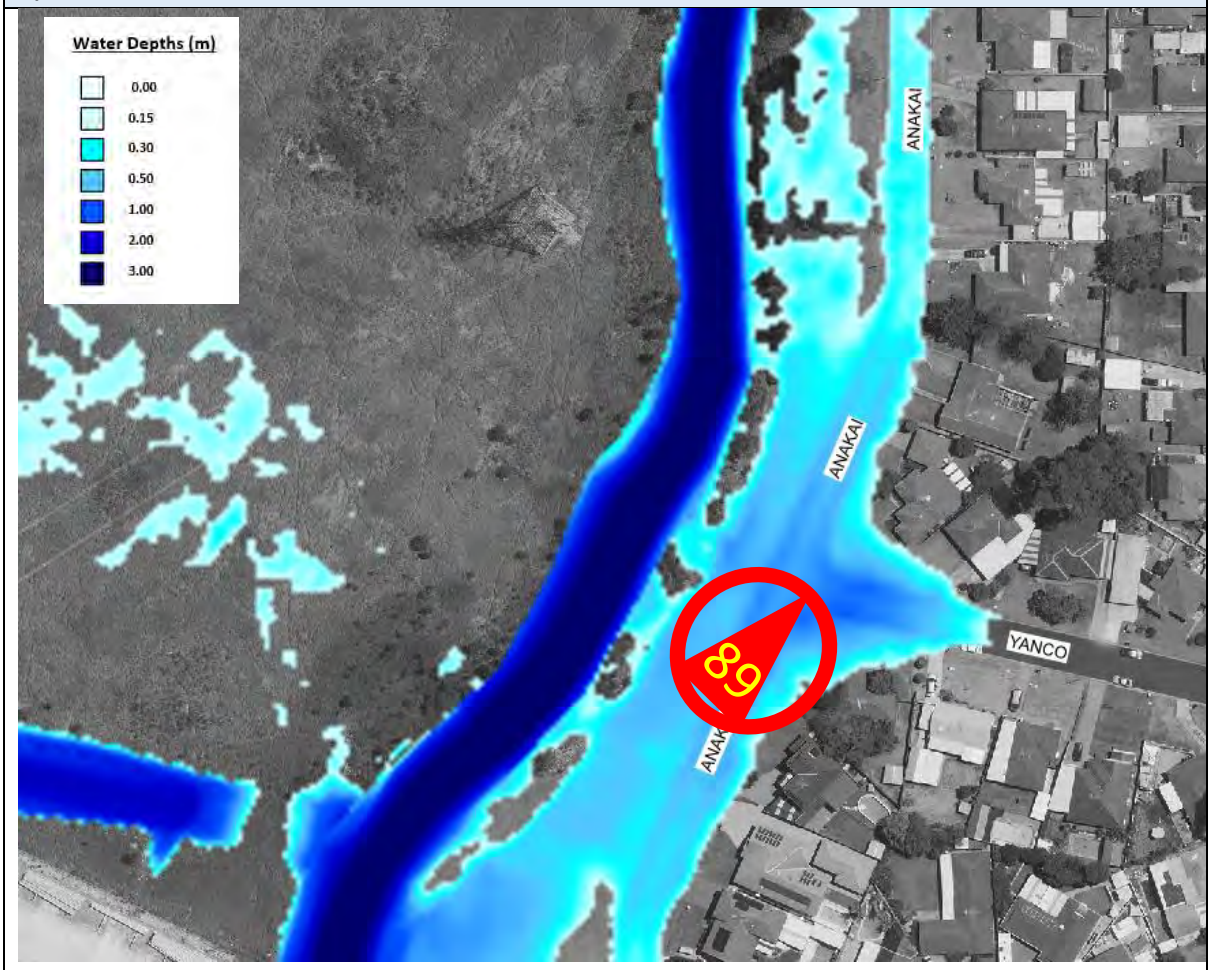
COMMENT:

A low lying area between Mulgoa Rd and McNaughton Rd, together with some urban and vegetated flow obstructions causes ponding. An adjacent flat sag location on Mulgoa Road also allows ponding to move off the roadway and into a commercial area. Depth mapping is reasonable and should be retained at these locations.

LOCATION:

Anakai Drive, Jamisontown

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #89:

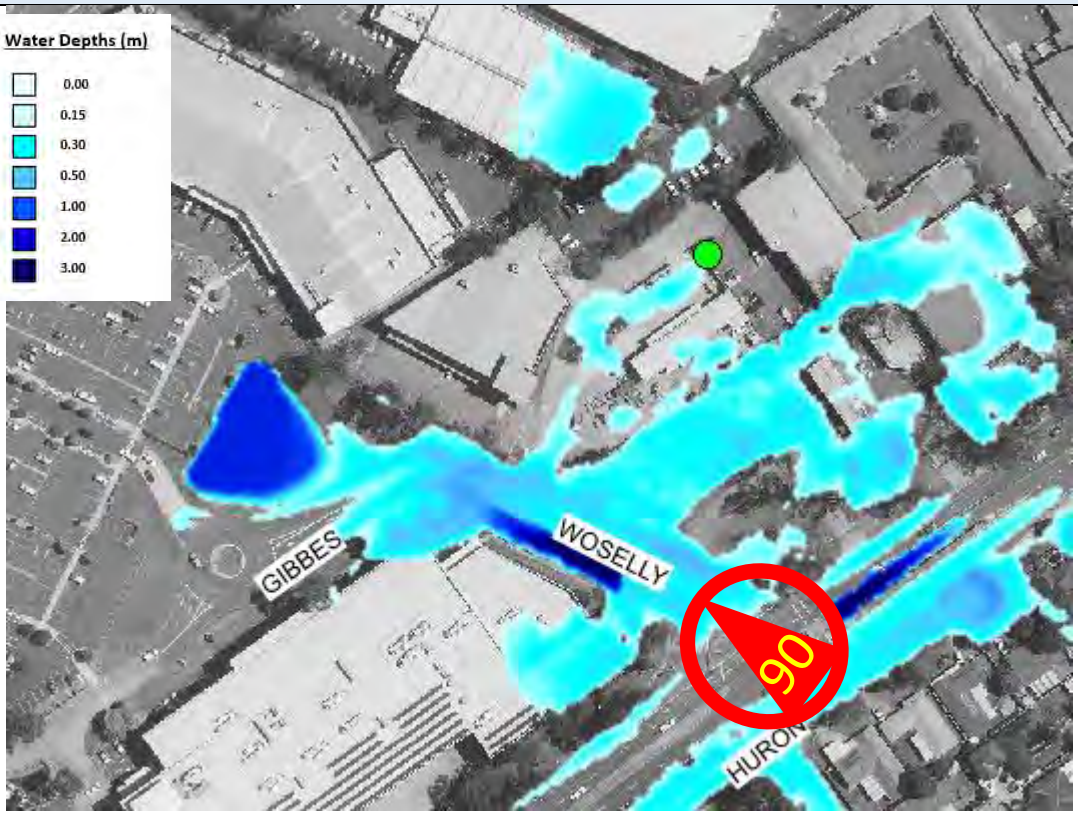
COMMENT:

A low lying area of Anakai Dr adjacent Surveyors Creek I susceptible to inundation from overtopping of the creek banks. Depths of over 0.9 metres can occur at the intersection of Anakai Dr and Yanco Ave and inundates some adjacent properties. Depth mapping is reasonable and should be retained at these locations.

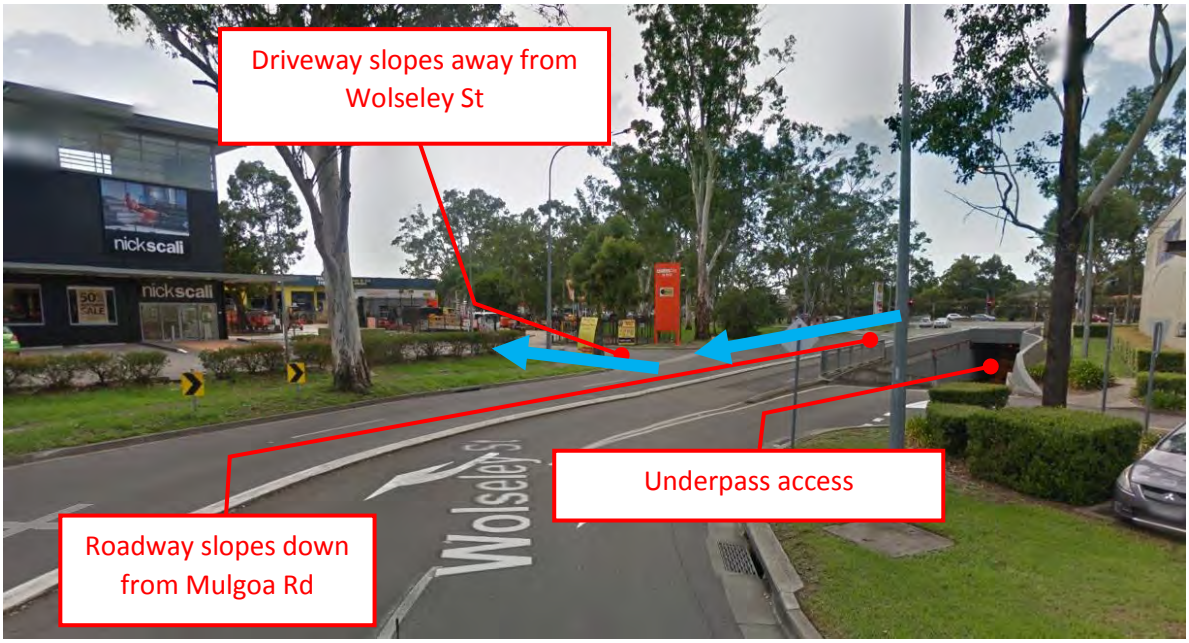
LOCATION:

Wolseley St, Jamisontown

1% AEP DEPTH MAP:



GOOGLE© STREET VIEW OF LOCATION #90:



COMMENT:

Wolseley St grades down from Mulgoa Rd, and driveways to commercial premises further slope downwards. Water ponds and moves around the area, including into an underpass of Mulgoa Rd. Depth mapping is reasonable and should be retained at these locations.

LOCATION:

Ladbury Ave and Nepean Ave, Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #91:

GOOGLE© STREET VIEW OF LOCATION #92:

COMMENT:

Locations 91 and 92 indicate new developments where the LiDAR DEM is not accurately representing contemporary conditions. Depth mapping in these locations should be removed.

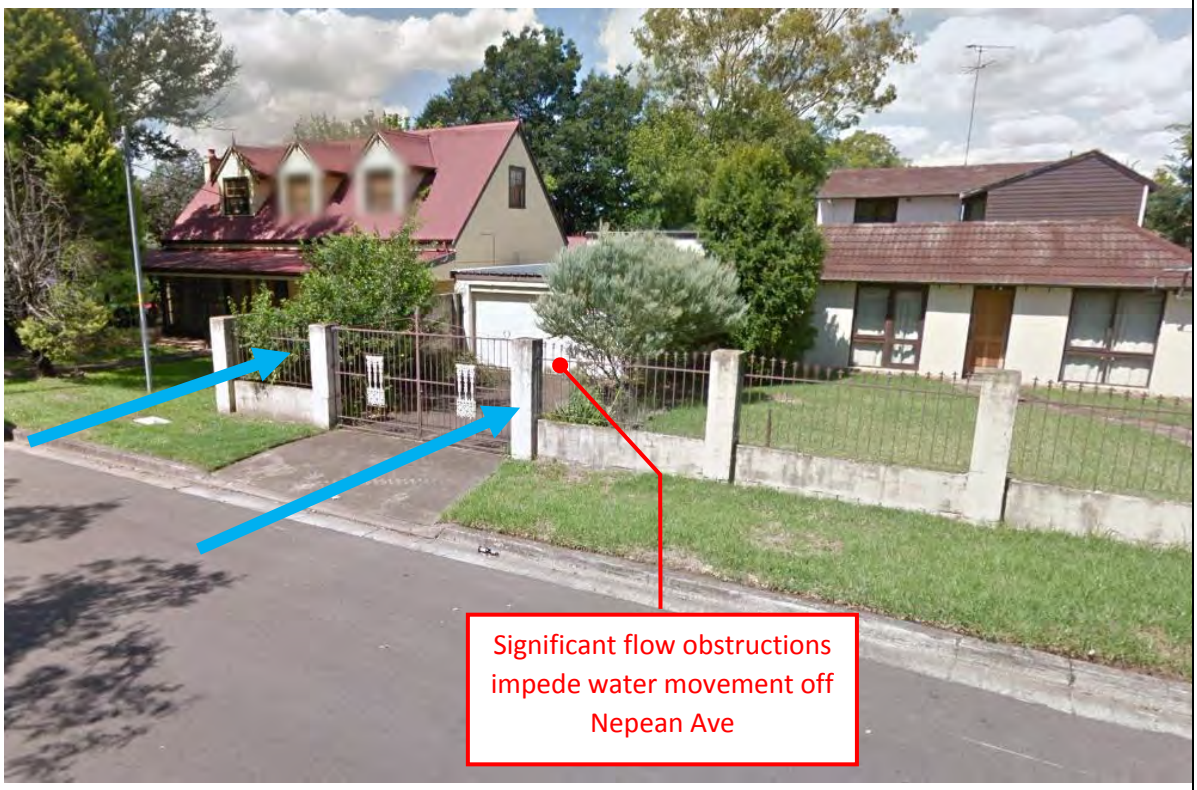
LOCATION:

Recreation Ave and Nepean Ave, Penrith

1% AEP DEPTH MAP:

GOOGLE© STREET VIEW OF LOCATION #93:

GOOGLE© STREET VIEW OF LOCATION #94:



COMMENT:

Low lying points on Recreation and Nepean Ave cause movement into adjacent properties. Significant urban flow obstructions cause this to pond and move slowly towards Ladbury Ave. Ponding at location 94 is associated with high roughness of buildings, depth mapping is not reasonable and should be removed.

APPENDIX S

TUFLOW REVIEW

PEACH TREE AND LOWER SURVEYORS CREEK FLOOD STUDY TUFLOW MODEL REVIEW

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
General	Version of TUFLOW model used	TUFLOW 2016-04-AD-Dev-iSP-w64	-	-
Model Setup	TUFLOW Control and other files	Folder structure is in accordance with the TUFLOW User Manual 2017-09. Run files include *.tcf, *.ecf, *.tgc and *.tbc, as well as a *.tef defining the events, storm durations and corresponding simulation end times.	-	-
	Timestep	Specified timesteps in *.ecf and *.tcf files: • 2D Model timestep = 0.4 seconds for all design events except the PMF. This is considered suitable as it is in the order of the recommended timestep value of ¼ of the model grid size (i.e., ¼ x 2 = 0.5 seconds). • A reduced 2D timestep of 0.25 seconds is specified in *.tef for the PMF. • 1D Timestep = 0.1 seconds • A reduced 1D timestep of 0.05 seconds is specified in the *.ecf If Scenario == 0.2%AEPTWL_Dynamic | PMFTWL_Dynamic	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
	Model parameters	• "Depth Limit Factor == 40" command in *.ecf for most simulations. The "Depth limit factor" is used for detecting instabilities in 1D elements. • "Depth Limit Factor == 50" command in *.ecf for PMF event. • The model uses a Cell Wet/Dry Depth == 0.002 (or 2mm). This is the default value and is appropriate for this model.	Although this parameter is unlikely to have a significant impact on results, the default depth limit factor value of 10 is recommended to help identify problematic 1D elements. However, the model mass balance in quite low and there are few instabilities in the 1D and 2D domains. Therefore, the depth limit factor was unchanged.	-
Model Configuration	Model Configuration (1D, 2D or 1D/2D?)	1D/2D	-	-
	2D Grid Size	• 2 metres • Considered appropriate to represent the flow behaviour across the urbanised areas of the catchment	-	-
Extent of Model	2D Model Extent	Active 2D domain extent set by 2d_code_PTLS_003 (Total area = 15.06km^2)	-	-
	1D Model Extent	Major open creek channels and structures within the catchments (i.e. Peach Tree and Surveyors Creeks, and Showground and Racecourse open channels)	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
Base Terrain Data (2D)	Source of DEM data	• DEM developed from 2011 LiDAR data across Penrith LGA and • DEM developed from 2016 LiDAR within the Penrith Lakes area	-	-
	Supplementary data (e.g. additional survey data acquired for the project, changes to terrain due to roadworks, development, etc)	None	-	-
	Improved definition of gullies and ridges	2d_zsh lines specified in *.tgc to better define minor gullies within the 2D domain.	-	-
Cross-section Data (1D)	Source of cross-section survey	• Peach Tree and Lower Surveyors Creeks: surveyed cross-sections gathered by Metropolis City Surveyors • Showground channel and Racecourse channel: surveyed creek information extracted from the 'Penrith CBD Detailed Overland Flow Flood Study' (2015) and the 'Panthers Precinct Master Plan – Flood Assessment Report' (2016).	-	-
1D Model Configuration	1D model network	• "S" type channels included along watercourses	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
		• "X' type channels or connectors used at the junction of creek and channels.		
	Cross-section representation	• 89 channel cross-sections included in the 1D domain	-	-
Hydraulic Structures	General	• Majority represented as 1D elements • A total of 89 culverts and bridges were included in 1D domain of the TUFLOW model • The railway bridge crossing of the Peach Tree Creek floodplain was represented in the 2D domain as a layered flow constriction in the 2d_lfcsh_Railway_001.mif layer.	-	-
	Source of structure data	Extracted from the following sources: • Structure survey • Stormwater survey • 'Penrith CBD Detailed Overland Flow Flood Study' (2015) • 'Hydrology and Drainage 20% Detailed Design Report - Jane Street and Mulgoa Road Infrastructure Project' (2017) • work-as-executed plans provided by Council	-	-
	Culverts – Losses	The model specifies values for the majority of structures. Losses specified to rectangular culverts within the 1d_nwke layers:	The model should apply the losses recommended in the TUFLOW Manual 2017-09 for rectangular culverts within the 1d_nwke layer:	Entry/exit losses and width contraction losses updated

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
		• Entry/exit losses = 0.5/1.0 • Height/Width contraction loss = 0.6/0.9 and for circular culverts within the 1d_nwks layer: • Entry/exit losses = 0.5/1.0 • Width contraction loss = 1.0 These values comply with the losses recommended in the TUFLOW Manual 2017-09. However, there are 17 rectangular culverts in the 1d_nwke_CBD layer that have values of 0 specified for all culvert losses. This results in the following losses being set as default values and applied: • Entry/exit losses = 0.0/0.0 • Height/Width contraction loss = 1.0/1.0 These values do not align with the recommended values in the TUFLOW Manual for rectangular culverts.	• Entry/exit losses = 0.5/1.0 • Height/Width contraction loss = 0.6/0.9	
	Bridges - Form Losses	Form loss vs elevation tables for all bridge structures included based on Bradley's method and a user defined energy loss versus elevation table for each bridge has been specified	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
	Blockage	Blockage applied for scenarios LBlock, MBlock and HBlock based on ARR2016 blockage calculations for structures, as well as CompleteBlock and NoBLock for sensitivity analyses.	-	-
Stormwater Network	Representation	The TUFLOW model includes a representation of the stormwater drainage system within the catchment based on: • Detailed stormwater survey • 'Panthers Precinct Master Plan – Flood Assessment Report' (2016) • 'Penrith CBD Detailed Overland Flow Flood Study' (2015)	-	-
	Configuration	Alignment of the stormwater network based on stormwater survey and plans. This adequately aligns with the aerial imagery.	-	-
	1D/2D Connections	Stormwater pits represented as "Q" type 1D nodes which allow unique inflow relationships to be defined for different pit types and reflects the variation in pit capacity based on pit attributes such as grate size and lintel length.	-	-
Linkages between 1D and 2D Domains	1D/2D Connections	• 2D HX boundary specified along the boundary between the 1D and 2D domains.	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
		• CN connections used to connect the 2D HX boundary to 1D nodes. • CD code boundary used to define the extent of the 1D domain. Code value of -1 used to set all cells within the 1D domain as "null cells". This approach is preferred to the use of land cells as they are not excluded when TUFLOW outputs in SMS format. • 2D SX boundary used to connect 1D structures to the 2D domain		
Initial Conditions	Set up appropriate initial conditions for each event to be modelled.	• Global initial water level (IWL) of applied to 1D and 2D domain based on Nepean River tailwater levels for the various combinations of design flood and Nepean River events • 2D IWL applied to waterbodies.	-	-
Boundary Conditions	Flow boundary conditions - Individual subcatchment overland flow hydrographs should be imported from the hydrologic model output	Inflows to the TUFLOW model for design simulations have been defined using flow hydrographs generated by the XP-RAFTS hydrologic model and specified in the 2D domain based on a 2d_SA layer. 'Total' inflow hydrographs (i.e., hydrographs describing the total upstream contributing flow) were used to define the design inflows into the model extents. In addition, 'local' discharge hydrographs (representing flows from the local subcatchments only)	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
		were also applied to the lowest point within each subcatchment. This approach is considered appropriate for the study area.		
	Downstream boundary conditions	• 1D HT (water level or stage hydrograph) boundaries are specified and applied to 1D nodes along the Nepean River based on a static 5% AEP Nepean River flood event for the design simulations. The 1D nodes are connected to the 2D domain by HX connections. • A dynamic TWL was applied and tested as part of the sensitivity analyses.	-	-
Flowpath Obstructions and Constrictions	Buildings	Buildings have been included in the model as a high Manning's "n" value of 10.0 was adopted to reflect the significant impediment to flow afforded by the many flow obstructions contained with a typical house (e.g., walls, doors, furniture etc).		-
	Fences	Fences were included in the model as flow constrictions in the 2D domain.	-	-
	Rainfall Losses	N/A		

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
Model Parameters	Roughness (Manning's 'n') values for 1D channels	• Varying manning's n values defined within 1D cross-section files based on the variation in material types across the cross-section • Manning's n value of 0.013 applied to concrete channels in 1d_nwke files. • The Manning's "n" values specified are considered appropriate and in agreement with values quoted in literature.	-	-
	Roughness (Manning's 'n') values assigned in 2d material layers	• Remote sensing completed for the catchments and used to define the material types in the TUFLOW model • Six (6) roughness (Manning's n) values assigned within the 2D domain as material polygons: - Buildings - Water: 0.035 - Trees - Grass - Concrete - Roads • Flow depth versus Manning's "n" relationships were developed for each material type (except "Water") using the modified Cowan method, which is documented in the USGS water supply paper 2339 titled 'Guide for Selecting Manning's Roughness Coefficients for	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
		Natural Channels and Flood Plains' (Arcement & Schneider) • The Manning's "n" values specified are considered appropriate and in agreement with values quoted in literature.		
Checks, Warnings and Errors	Outputs in the _messages layer	The _messages layer was checked for the "PTLS_1%AEP_120min_4619_MBlock_5%AEPTWL" simulation and included the following notable checks and warnings: • WARNING 1279 – Pit AInflow1 is not connected to a channel". This warning was also listed for other pits names AInflow 2 to 39, 2757b and 2759b. These pits were used to define the lowest point in SA polygons in a previous iteration of the model and are now redundant because the model is applying flow to the lowest point in the SA polygon rather than directly to the pits. • WARNING 1100 - Structure 10885 crest/invert (34.888) is below bed (34.908) of primary upstream channel 10892. This warning type was listed for a number of other structures.	Address the checks, warnings and errors as follows: • WARNING 1279 – Check and remove the named disconnected pits • WARNING 1100 – Check upstream invert levels to ensure correct values have been applied for names structures.	Checked and updated, as necessary.

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
Instability Checks	Check of recurrent instabilities throughout model simulations	A check of 1D elements and 2D cells showing instabilities/negative depths during the "PTLS_1%AEP_120min_4619_MBlock_5%AEPTWL" simulation was undertaken to see whether any elements may be producing less reliable 1D or 2D results. Two (2) recurrent warnings within the 2D domain were listed between simulation times 1:22:48 and 1:25:58 hours, and 1:30:26 1:34:39 hours as follows: • WARNING 2991 - Negative U depth at [0764;1501]. Time = 1:22:48; Depth = -0.2; 2D Domain = Domain_001 • WARNING 2991 - Negative V depth at [0583;1840]. Time = 1:30:26; Depth = -0.1; 2D Domain = Domain_001 A single 1D node was also listed in a recurrent warning of negative depths between simulation times 3:22:32 and 3:57:22 hours • WARNING 1991 - 3:22:32: Negative depth at Node 9005f.2: y = -0.32 Bed = 22.80 dh = -0.32	Review locations of recurrent warnings and update as necessary.	• 1D instability located along Racecourse channel where two (2) consecutive channels are located in close proximity. Test simulations were completed with model modifications including the combination of these structures into a single representative structure. • 2D instability located downstream of the Ikin Street bridge. Extent of bridge does not extend beyond the roadway embankment and warnings that SX Zpts lowered in this area (by up to 2.74m). Consider extending channel line representing bridge, revising extent and location of SX connection and review the structure details and model topography in this area. • 2d instability located upstream of Gadara Place bridge. Review structure details and model topography in this area. Warnings that SX Zpts lowered in this area (by up to 1.81m). Consider revising extent and location of SX connection and review the structure details and model topography in this area.

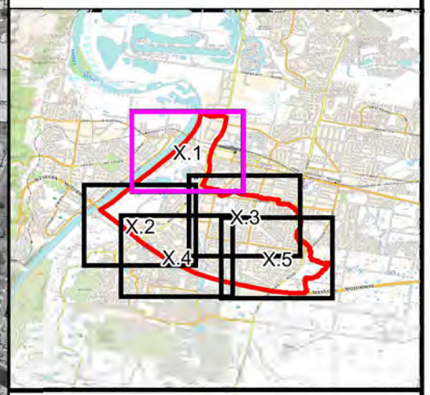
ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
Cumulative Mass Error (CME)	All three CME values (for the overall model, for the 2D domains and 1D domains) should be within a ±3% limit. "Healthy" models will typically fall within ±1% cumulative mass error	A review of the time variation in overall mass balance errors for the PTLS_1%AEP_120min_4619_MBlock_5%AEPTWL simulation indicates that the TUFLOW model does not suffer from higher than desirable mass balance errors throughout the simulation. The maximum mass balance errors for this simulation is: • 1D domain: -0.11% • 2D domain: -0.28% • Overall model: -0.34%	-	-
Design Events and Durations/ Critical Duration	Developed model was run for required range of design storms	TUFLOW model set up to be run for the 50%, 20%, 10%, 5%, 2%, 1%, 0.5% and 0.2% floods and PMF in the *.tef. This is the full range of design storms specified by Council.	-	-
	Models should be run for a range of storm durations sufficient to identify the critical duration	The TUFLOW model was used to simulate storm durations ranging between 10 minutes and 360 minutes, depending on the design event. The selected storm(s) for each design event was based upon a critical storm duration analysis undertaken as part of the hydrologic analysis. Therefore, it is considered that the TUFLOW model suitably represents the critical storm duration across the study area for each design event.	-	-

ITEM	REQUIREMENTS / CRITERIA	COMMENTS	REQUIRED UPDATES	ACTION
Sensitivity Analysis and checking with alternate method	Sensitivity analysis to be carried out to assess the influence of model parameters and assumptions on modelling results. Parameters considered are as follows: • Rainfall losses • Temporal patterns • Channel and floodplain roughness • Structure blockage • Downstream boundary condition • Application of direct rainfall	Considered to be completed as per Council's requirements.		

APPENDIX T

NATIONAL EMERGENCY RESPONSE PRECINCT CLASSIFICATION

PENRITH
CITY COUNCIL



Victoria Bridge

High Street

Westfield Penrith

Nepean River

Panthers World of Entertainment

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

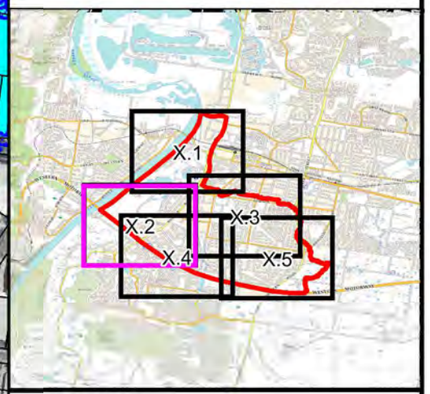
0 0.25 0.5
Km

Figure T1.1:
Flood Emergency Response Classifications for the 5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT1.1 - ERC 5%AEP Flood.wor

PENRITH
CITY COUNCIL



Mulgoa Road

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

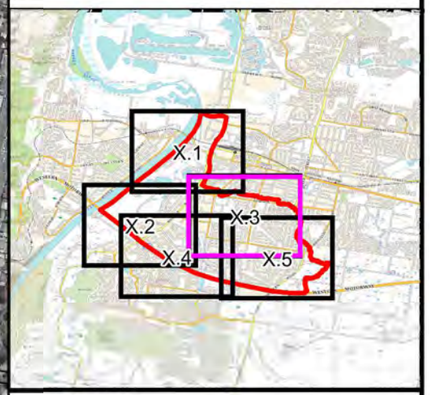
0 0.25 0.5
Km

Figure T1.2:
Flood Emergency Response Classifications for the 5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT1.2 - ERC 5%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

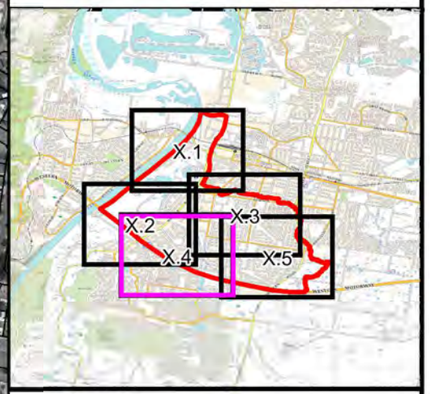
0 0.25 0.5
Km

Figure T1.3:
Flood Emergency Response Classifications for the 5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT1.3 - ERC 5%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5
Km

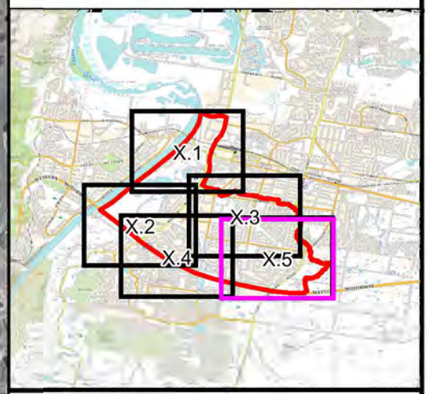
M4 Western Motorway

Figure T1.4:
Flood Emergency Response Classifications for the 5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT1.4 - ERC 5%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

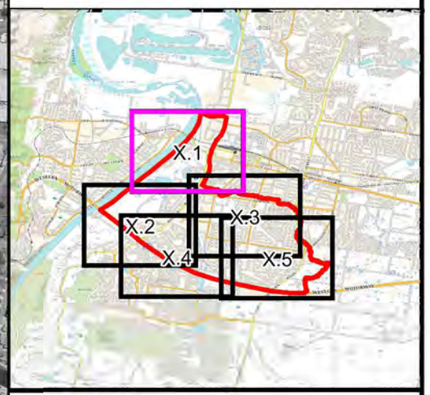
Figure T1.5:
Flood Emergency Response Classifications for the 5% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT1.5 - ERC 5%AEP Flood.wor

PENRITH CITY COUNCIL



Victoria Bridge

High Street

Westfield Penrith

Nepean River

Panthers World of Entertainment

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure T2.1: Flood Emergency Response Classifications for the 1% AEP Local Catchment Flood

Prepared By:

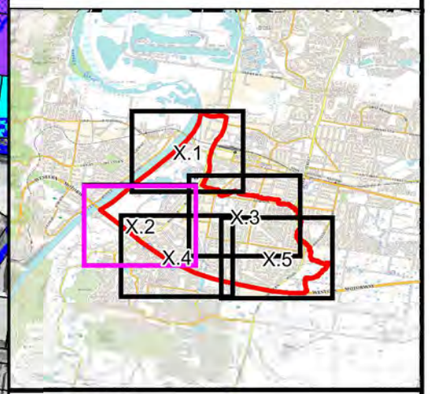
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigT2.1 - ERC 1%AEP Flood.wor

PENRITH CITY COUNCIL



Mulgoa Road

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure T2.2: Flood Emergency Response Classifications for the 1% AEP Local Catchment Flood

Prepared By:

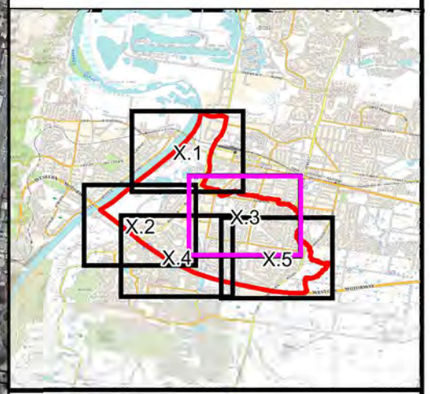
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigT2.2 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



Panthers World of Entertainment

Jamison Road

Jamison Park

Evan Street

Southlands Shopping Centre

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

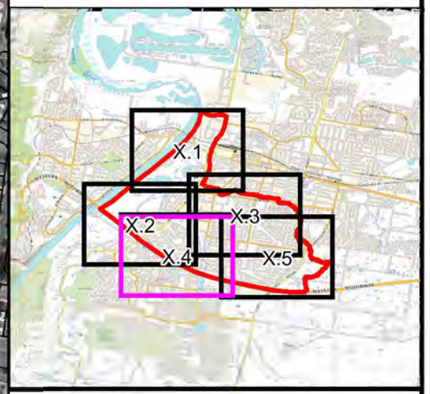
0 0.25 0.5
Km

Figure T2.3:
Flood Emergency Response Classifications for the 1% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT2.3 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

M4 Western Motorway

N
W E
S

Scale 1:8,000 (at A3)

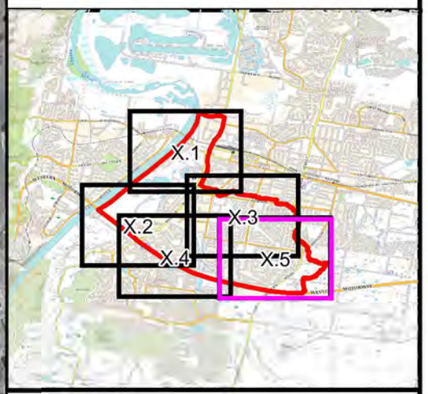
0 0.25 0.5
Km

Figure T2.4:
Flood Emergency Response Classifications for the 1% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT2.4 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Southlands Shopping Centre

The Northern Road

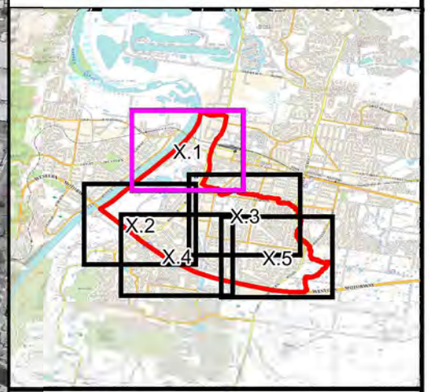
Penrith Christain School

Figure T2.5:
Flood Emergency Response Classifications for the 1% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT2.5 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

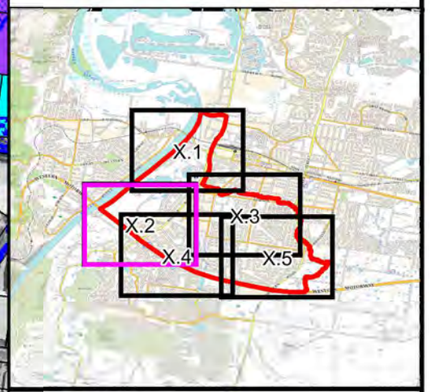
Km

Figure T3.1: Flood Emergency Response Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT3.1 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



Mulgoa Road

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N
W E
S

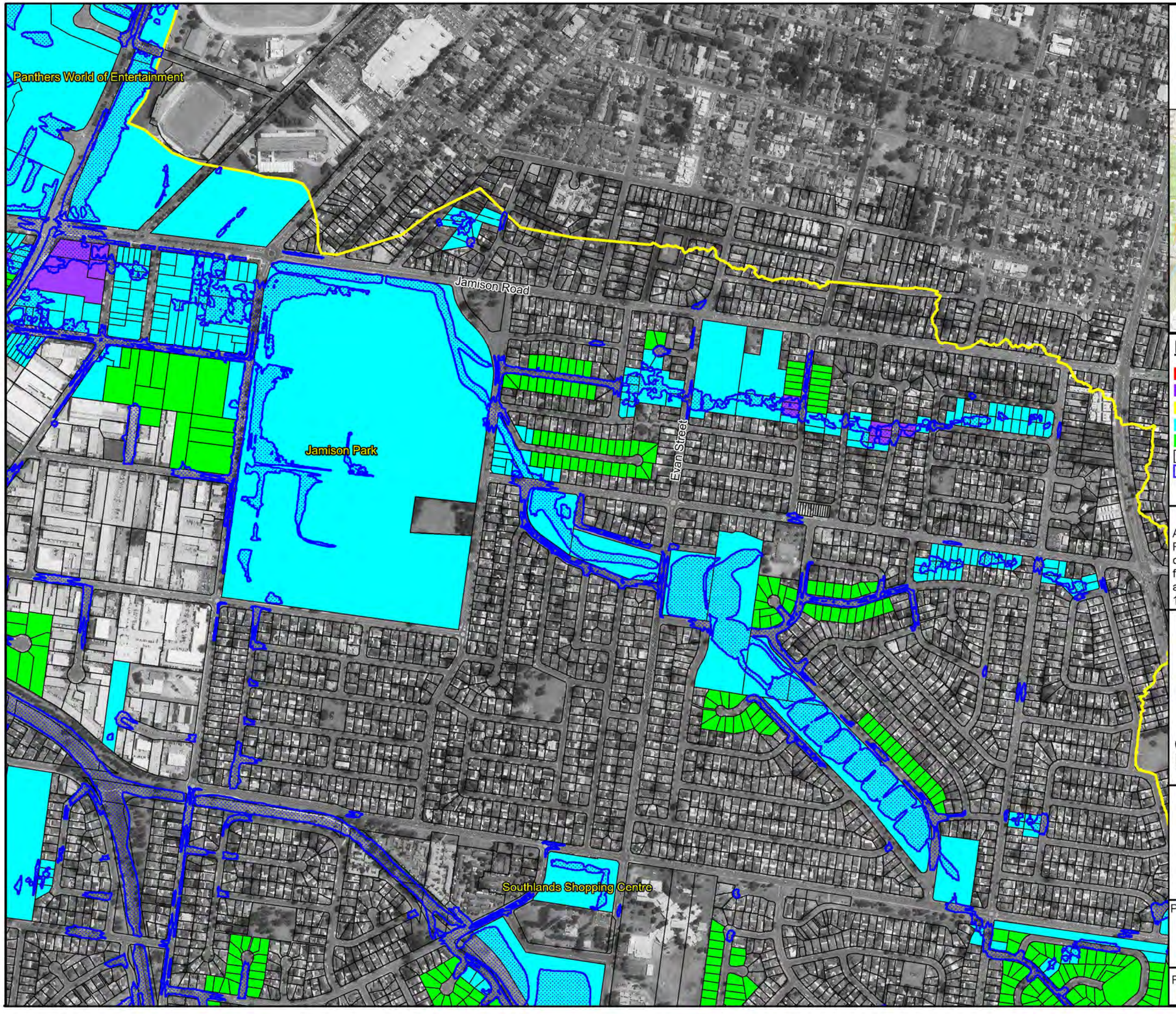
Scale 1:8,000 (at A3)

0 0.25 0.5
Km

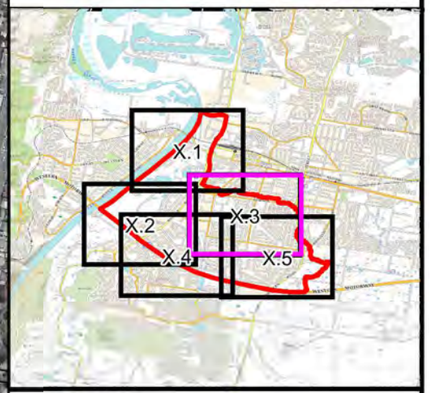
Figure T3.2: Flood Emergency Response Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT3.2 - ERC 1%AEP Flood.wor



PENRITH CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016
Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

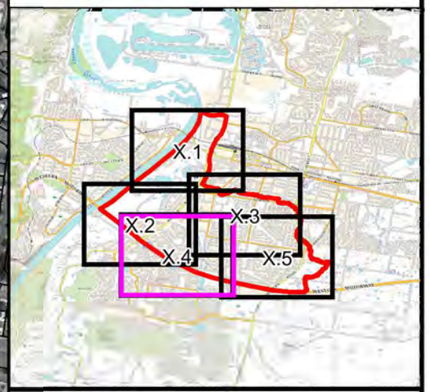
0 0.25 0.5
Km

Figure T3.3: Flood Emergency Response Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT3.3 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

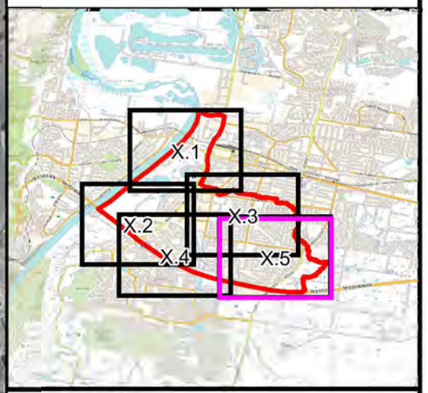
Figure T3.4: Flood Emergency Response Classifications for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT3.4 - ERC 1%AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016
Results presented in this figure are a combination of a 1% AEP local catchment flood with 5% AEP Nepean River flood and a 5% AEP local catchment flood with 1% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5
Km

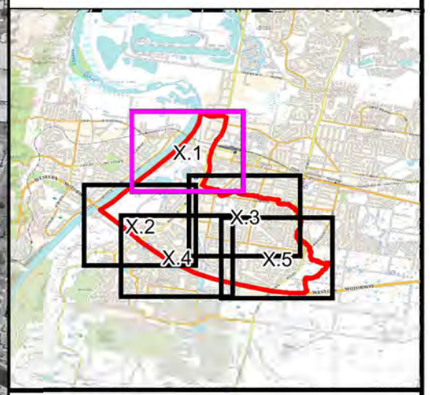
Figure T3.5: Flood Emergency Response Classifications for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT3.5 - ERC 1%AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

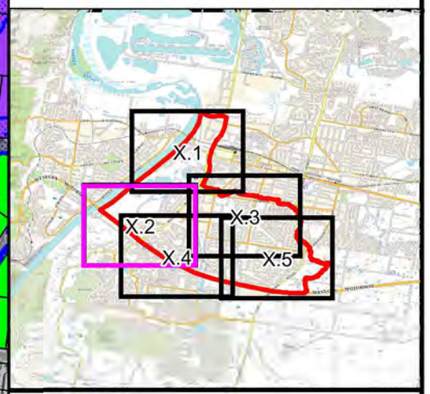
0 0.25 0.5 Km

Figure T4.1: Flood Emergency Response Classifications for the 0.5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT4.1 - ERC 0.5%AEP Flood.wo

PENRITH
CITY COUNCIL



Mulgoa Road

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

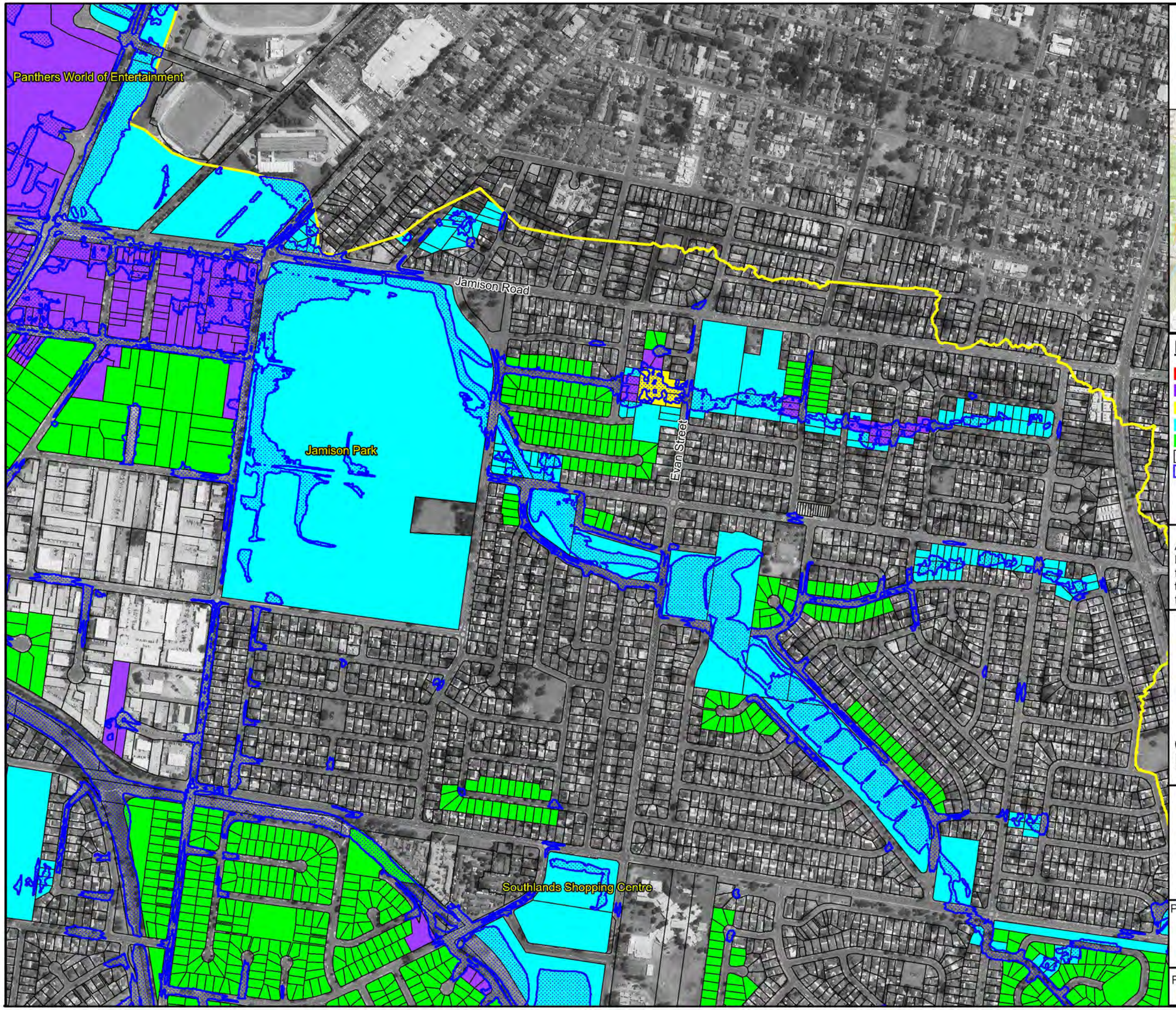
Scale 1:8,000 (at A3)

0 0.25 0.5
Km

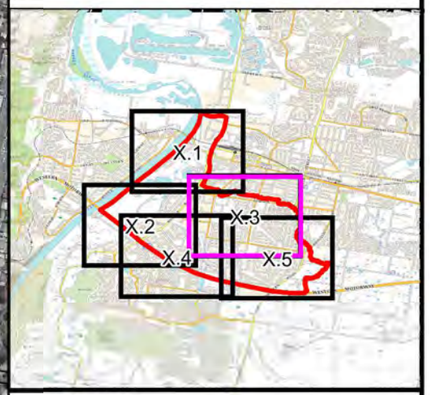
Figure T4.2:
Flood Emergency Response Classifications for the 0.5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT4.2 - ERC 0.5%AEP Flood.wor



PENRITH CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

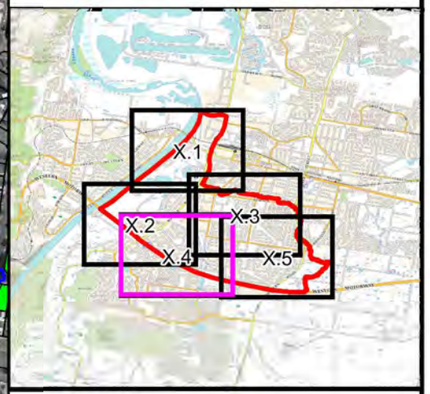
Figure T4.3: Flood Emergency Response Classifications for the 0.5% AEP Local Catchment Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT4.3 - ERC 0.5%AEP Flood.wo

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

M4 Western Motorway

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5
Km

Figure T4.4:
Flood Emergency Response Classifications for the 0.5% AEP Local Catchment Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT4.4 - ERC 0.5%AEP Flood.wo

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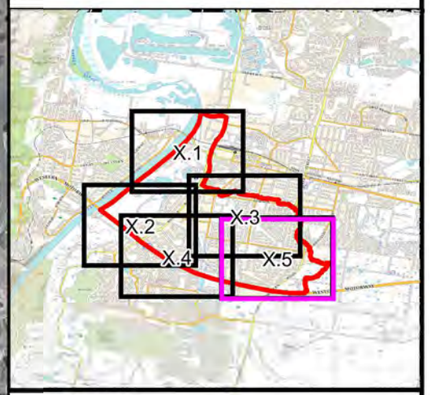


LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure T4.5:
Flood Emergency Response Classifications for the 0.5% AEP Local Catchment Flood

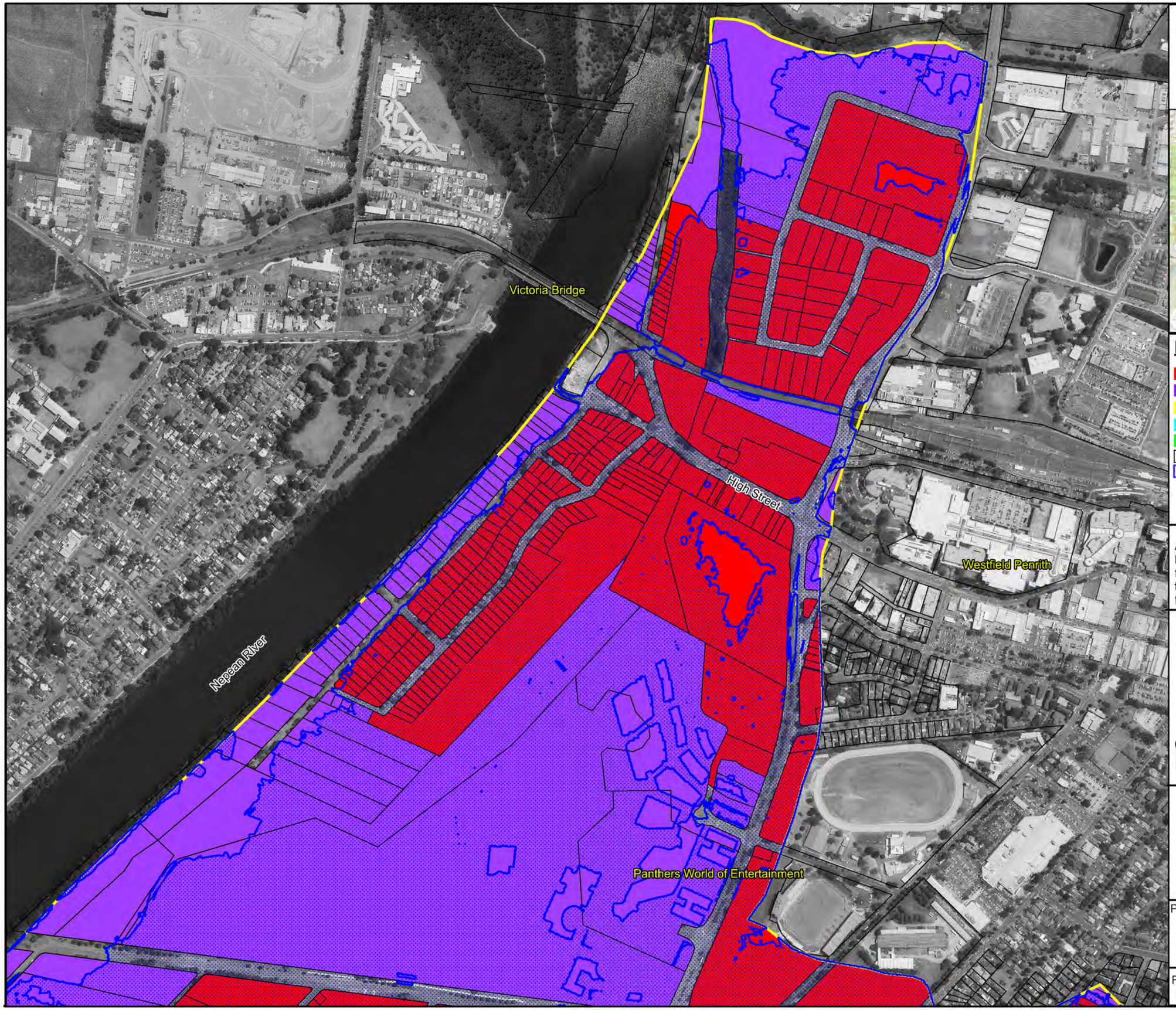
Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigT4.5 - ERC 0.5%AEP Flood.wor



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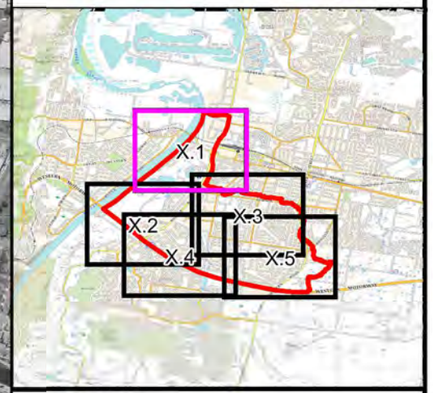

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5
Km

Figure T5.1: Flood Emergency Response Classifications for the Local Catchment PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT5.1 - ERC PMF Flood.wor

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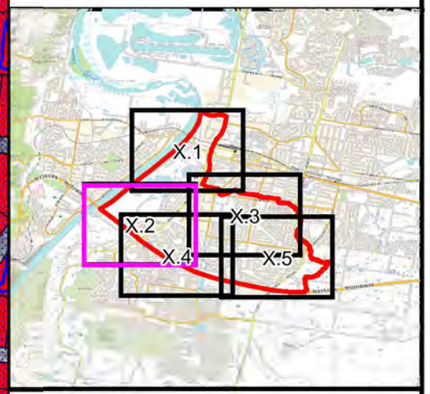


Mulgoa Road

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

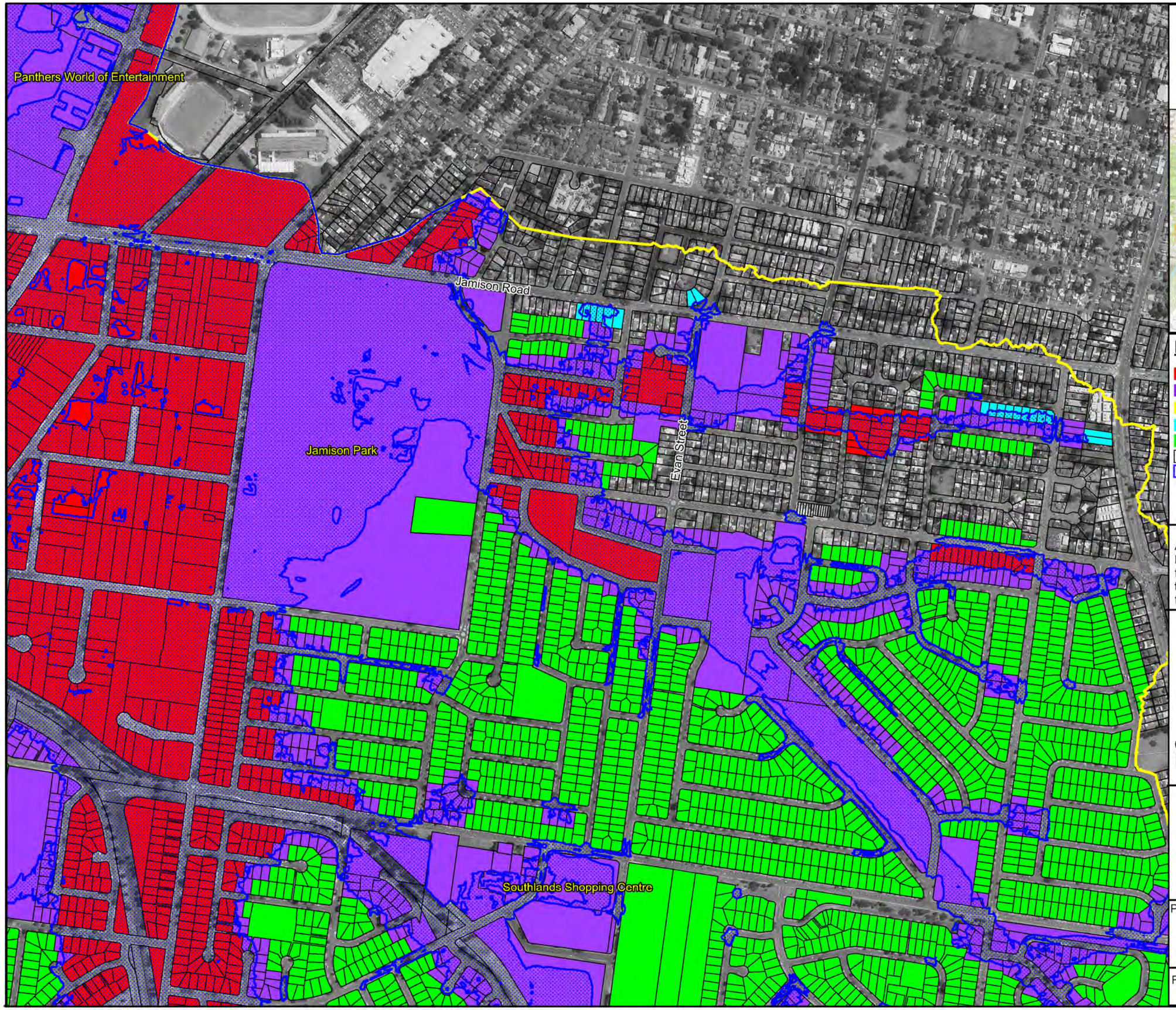
Scale 1:8,000 (at A3)

0 0.25 0.5
Km

Figure T5.2:
Flood Emergency Response Classifications for the Local Catchment PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT5.2 - ERC PMF Flood.wor



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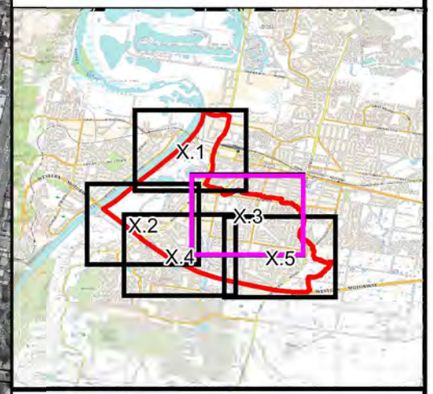


LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N

W E

S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure T5.3: Flood Emergency Response Classifications for the Local Catchment PMF

Prepared By:

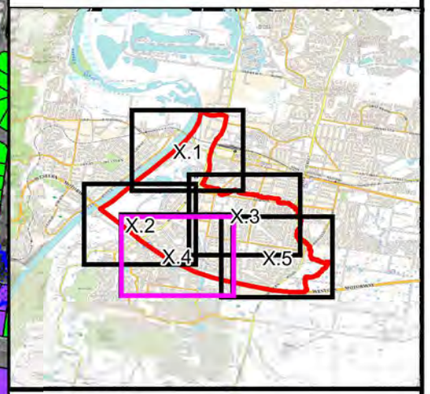
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: FigT5.3 - ERC PMF Flood.wor

PENRITH
CITY COUNCIL



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:
Aerial photograph date: 2016
Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5
Km

M4 Western Motorway

Figure T5.4:
Flood Emergency Response Classifications for the Local Catchment PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT5.4 - ERC PMF Flood.wor

PENRITH
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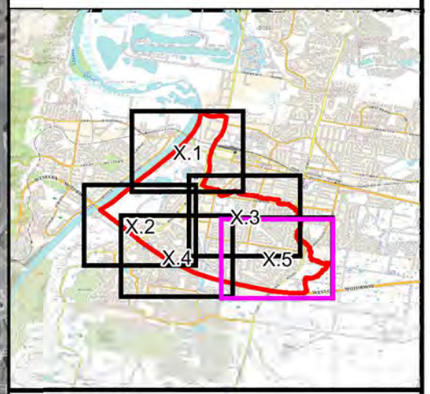

Southlands Shopping Centre

The Northern Road

Penrith Christain School

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent

Notes:

Aerial photograph date: 2016

Results presented in this figure assume a flood from the local catchment occurs at the same time as a 5% AEP Nepean River flood

N
W E
S

Scale 1:8,000 (at A3)

0 0.25 0.5

Km

Figure T5.5:
Flood Emergency Response Classifications for the Local Catchment PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: FigT5.5 - ERC PMF Flood.wor