

Flood Study

APPENDIX

A

CATCHMENT MAP



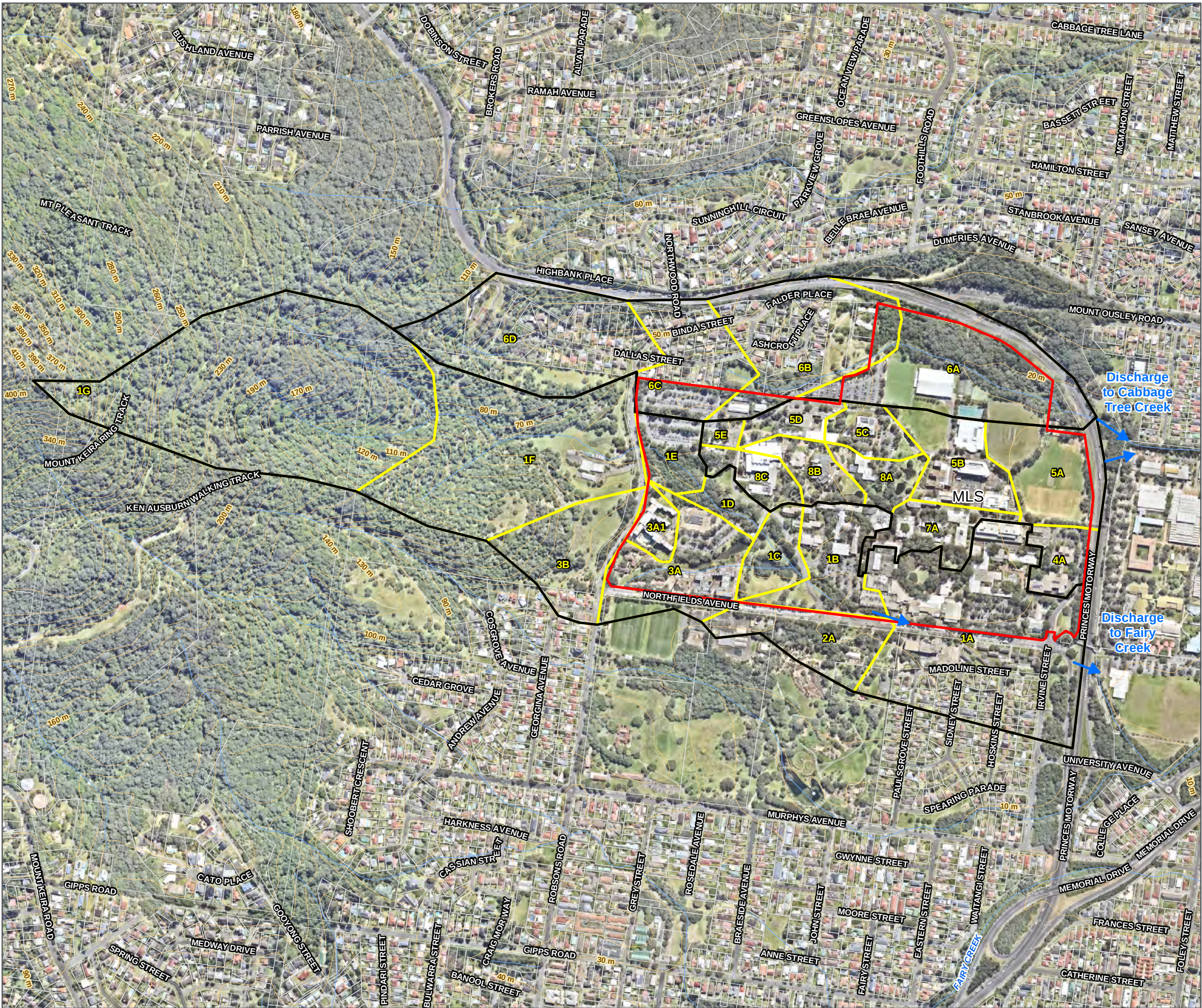
Catchment Plan

UNIVERSITY OF WOLLONGONG

Legend

- Site Boundary
- Watercourses (LPI)
- 10m Contours (LPI)
- Site Discharge Locations
- Major Catchment Boundary
- Sub Catchment Boundary
- Cadastre (LPI, 2015)

1:8,000 Scale at A3



Flood Study

APPENDIX

B

HYDROLOGICAL ASSESSMENT

Catchment Statistics

2.1

2.2

2.3

2.4

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3. Local & Outlet Structures



Steps 3.1 to 3.3: Enter Data for each Structure in the Model (both outlet structures and local structures)

Structure Statistics

No. of Structures	8
No. of Outlet Structures	8
No. Local Structures	0

Populate after steps 3.2 & 3.3 (optional)

Populate Directed Subs

Update Sub List

Show 5

Show 10

Show 20

Show 50

GOTO Fuse

Structure Summary

3.1	Lock	ID	Subarea	Type	Description of Structure	Local		Fuse	Basin Details		Directed Subareas	1	2	3	4	5
						Local / Out	%Per to LS		WImp to LS	IWL	Surf_Area					
GOTO	TRUE	1	3A1	HS		OUTLET				36.1	0	1	3A			
GOTO	TRUE	2	3A	HS		OUTLET				29.95	0	1	1D	1C		
GOTO	TRUE	3	1D	HS		OUTLET				31.75	0	1	3A	1C		
GOTO	TRUE	4	1C	HS		OUTLET				28.9	0	1				
GOTO	TRUE	5	1F	HS		OUTLET				44.56	0	1				
GOTO	TRUE	6	5A	HS		OUTLET				16.5	0	1	DUMMY			
GOTO	TRUE	7	6A	HS		OUTLET				15.5	0	1	DUMMY			
GOTO	TRUE	8	8A	HS		OUTLET				24	0	1	5B			
GOTO	TRUE	9														
GOTO	TRUE	10														

Lock/Unlock ALL

Structure Templates

3.2 Build Structure Templates From Structure Summary

Build ALL

Build Unlocked

Delete Unlocked

3.3 Edit Individual Structure Templates

TOP	ID 1 3A1 OUTLET						ID 2 3A OUTLET						ID 3 1D OUTLET					
	Weir	1	2	3	4	5	Weir	1	2	3	4	5	Weir	1	2	3	4	5
	Subarea	3A					Subarea	1D	1C	1C	1C		Subarea	1C				
	Crest Elev.	36.5					Crest Elev.	33.40	33.45	33.64	33.87		Crest Elev.	33.23				
	Length [m]	12					Length [m]	10	9.33	13.97	14.19		Length [m]	9				
	Weir Coeff.	1.7					Weir Coeff.	1.7	1.7	1.7	1.7		Weir Coeff.	1.7				
	Disch_Fac	1					Disch_Fac	1	1	1	1		Disch_Fac	1				
	Blck_Time						Blck_Time						Blck_Time					
	Directed to	TOP					Directed to	TOP	TOP	TOP	TOP		Directed to	TOP				
	Delay [mins]	0					Delay [mins]	0	0	0	0		Delay [mins]	0				
	Pipe/Box	1	2	3	4	5	Pipe/Box	1	2	3	4	5	Pipe/Box	1	2	3	4	5
	Subarea	3A					Subarea	1C	1D				Subarea	1C				
	Invert	36.1					Invert	29.95	31.75				Invert	31.8				
	No.	1					No.	1	2				No.	3				
	Ent. Type	1					Ent. Type	1	1				Ent. Type	2				
	Dia / Width	250					Dia / Width	950	450				Dia / Width	3000				
	Height						Height						Height	930				
	Disch_Fac	1					Disch_Fac	1	1				Disch_Fac	1				
	Blck_Time	0					Blck_Time	0	0				Blck_Time	0				
	Directed to	TOP					Directed to	TOP	TOP				Directed to	TOP				
	Delay [mins]	0					Delay [mins]	0	0				Delay [mins]	0				
	Ent. Coeff						Ent. Coeff						Ent. Coeff					
	Length [m]						Length [m]						Length [m]					
	Out Invert						Out Invert						Out Invert					
	n						n						n					
	HSQ	1	2	3	4	5	HSQ	1	2	3	4	5	HSQ	1	2	3	4	5
	Sub	BRCK_04					Sub						Sub					
	DFactor	1					DFactor						DFactor					
	Btime						Btime						Btime					
	T/B	BOTTOM					T/B						T/B					
	Delay	0					Delay						Delay					
	H	S					H	S					H	S				
	m	m3					m	m3					m	m3				
	36.1	0					29.95	0					31.75	0				
	36.2	45.35					31.8	0					31.8	0				
	36.3	90.7					31.9	9					31.9	13				
	36.4	136.05					32	41					32	33				
	36.5	181.4					32.1	100					32.1	56				
	36.6	226.75					32.2	198					32.2	84				
	36.7	272.1					32.3	337					32.3	115				
							32.4	496					32.4	151				
							32.5	672					32.5	191				
							32.6	863					32.6	236				
							32.7	1070					32.7	287				
							32.8	1291					32.8	346				
							32.9	1523					32.9	414				
							33	1766					33	492				
							33.1	2020					33.1	580				
							33.2	2283					33.2	678				
							33.3	2557					33.3	787				
							33.4	2847					33.4	909				
							33.5	3154					33.5	1052				
							33.6	3475					33.6	1211				
							33.7	3808					33.7	1382				
							33.8	4154					33.8	1566				
							33.9	4514					33.9	1764				
							34	4883					34	1975				

TOP	ID 4 1C OUTLET						ID 5 1F OUTLET						ID 6 5A OUTLET					
	Weir	1	2	3	4	5	Weir	1	2	3	4	5	Weir	1	2	3	4	5
	Subarea	1B					Subarea	1E					Subarea	DUMMY				
	Crest Elev.	29.96					Crest Elev.	48					Crest Elev.	17.7				
	Length [m]	6					Length [m]	40					Length [m]	100				
	Weir Coeff.	1.7					Weir Coeff.	1.7					Weir Coeff.	1.7				
	Disch_Fac	1					Disch_Fac	1					Disch_Fac	1				
	Blck_Time						Blck_Time						Blck_Time					
	Directed to	TOP					Directed to	TOP					Directed to	TOP				
	Delay [mins]	0					Delay [mins]	0					Delay [mins]	0				
	Pipe/Box	1	2	3	4	5	Pipe/Box	1	2	3	4	5	Pipe/Box	1	2	3	4	5
	Subarea	1B					Subarea	1E					Subarea	DUMMY				
	Invert	28.9					Invert	44.56					Invert	16.5				
	No.	2					No.	1					No.	1				
	Ent. Type	2					Ent. Type	1					Ent. Type	1				
	Dia / Width	3000					Dia / Width	1800					Dia / Width	600				
	Height	600					Height						Height					
	Disch_Fac	1					Disch_Fac	1					Disch_Fac	1				
	Blck_Time	0					Blck_Time	0					Blck_Time	0				
	Directed to	TOP					Directed to	TOP					Directed to	TOP				
	Delay [mins]	0					Delay [mins]	0					Delay [mins]	0				
	Ent. Coeff						Ent. Coeff						Ent. Coeff					
	Length [m]						Length [m]						Length [m]					
	Out Invert						Out Invert						Out Invert					

n						n						n								
HSQ		1	2	3	4	5	HSQ		1	2	3	4	5	HSQ		1	2	3	4	5
Sub DFactor Btime T/B Delay							Sub DFactor Btime T/B Delay							Sub DFactor Btime T/B Delay						
H	S						H	S						H	S					
m	m3						m	m3						m	m3					
28.9	0						44	0						16.5	0					
29	263						44.1	10						17.5	1					
29.1	543						45.2	15.167						17.52	165					
29.2	839						45.4	39.215						17.54	332					
29.3	1151						45.6	101.318						17.56	501.628					
29.4	1487						45.8	225.917						17.58	673.198					
29.5	1855						46	402.89						17.6	846.889					
29.6	2247						46.2	719.807						17.62	1022.667					
29.7	2660						46.4	1098.296						17.64	1200.495					
29.8	3095						46.6	1614.212						17.66	1380.339					
29.9	3550						46.8	2307.208						17.68	1562.164					
29.96	3835						47	3123.742						17.7	1745.935					
30	4025						47.2	4194.691						17.72	1931.616					
30.1	4519						47.4	5410.035						17.74	2119.171					
30.2	5032						47.6	6848.77						17.76	2308.558					
30.3	5566						47.8	8492.3						17.78	2499.735					
30.4	6119						48	10270.12						17.8	2692.66					
30.5	6691						48.2	12331.75						17.82	2887.292					
30.6	7282						48.4	14534.81						17.84	3083.586					
30.7	7891						48.6	16952.4						17.86	3281.495					
30.8	8519						48.8	19610.84						17.88	3480.973					
30.9	9165						49	22434.95						17.9	3681.974					
31	9828						49.2	25476.68						18	3884.448					
31.1	10507						49.4	28622.9												
31.2	11200						49.6	31902.52												
31.3	11909						49.8	35315.09												
31.4	12632						50	38837.06												
31.5	13370																			
31.6	14123																			
31.7	14890																			
31.8	15672																			
31.9	16467																			
32	17276																			

TOP	ID 7 8A OUTLET						ID 8 8A OUTLET						ID 9										
Weir		1	2	3	4	5	6	Weir		1	2	3	4	5	6	Weir		1	2	3	4	5	6
Subarea		DUMMY						Subarea		5B						Subarea							
Crest Elev.		15.50						Crest Elev.		24.5						Crest Elev.							
Length [m]		5						Length [m]		27						Length [m]							
Weir Coeff.		1.7						Weir Coeff.		1.7						Weir Coeff.							
Disch_Fac		1						Disch_Fac		1						Disch_Fac							
Blck_Time								Blck_Time								Blck_Time							
Directed to		TOP						Directed to		TOP						Directed to							
Delay [mins]		0						Delay [mins]		0						Delay [mins]							
Pipe/Box		1	2	3	4	5	6	Pipe/Box		1	2	3	4	5	6	Pipe/Box		1	2	3	4	5	6
Subarea								Subarea								Subarea							
Invert								Invert								Invert							
No.								No.								No.							
Ent. Type								Ent. Type								Ent. Type							
Dia / Width								Dia / Width								Dia / Width							
Height								Height								Height							
Disch_Fac								Disch_Fac								Disch_Fac							
Blck_Time								Blck_Time								Blck_Time							
Directed to								Directed to								Directed to							
Delay [mins]								Delay [mins]								Delay [mins]							
Ent. Coeff								Ent. Coeff								Ent. Coeff							
Length [m]								Length [m]								Length [m]							
Out Invert								Out Invert								Out Invert							
n								n								n							
HSQ		1	2	3	4	5		HSQ		1	2	3	4	5		HSQ		1	2	3	4	5	
Sub								Sub								Sub							
DFactor								DFactor								DFactor							
Btime								Btime								Btime							
T/B								T/B								T/B							
Delay								Delay								Delay							
H		S						H		S						H		S					
m		m3						m		m3						m		m3					
15.5		0						24		0													
15.6		0.393						24.05		57.042													
15.8		1.821						24.1		118.073													
16		4.39						24.15		183.26													
16.2		8.51						24.2		252.769													
16.4		14.333						24.25		326.765													
16.6		26.206						24.3		405.414													
16.8		51.215						24.35		488.882													
17		92.171						24.4		577.335													
17.2		222.422						24.45		670.938													
17.4		393.51						24.5		769.858													
17.6		631.066						24.55		897.833													
17.8		925.495						24.6		1031.267													
18		1253.126						24.65		1170.013													
18.2		1647.159						24.7		1313.889													
18.4		2087.854						24.75		1462.483													
18.6		2600.365						24.8		1615.453													
18.8		3195.698						24.85		1772.63													
19		3854.086						24.9		1933.841													
19.2		4604.776						24.95		2098.915													
19.4		5421.899						25		2267.686													
19.5		5854.093																					

Ent. Type	Ent. Type	Ent. Type
Dia / Width	Dia / Width	Dia / Width
Height	Height	Height
Disch_Fac	Disch_Fac	Disch_Fac
Blck_Time	Blck_Time	Blck_Time
Directed to	Directed to	Directed to
Delay [mins]	Delay [mins]	Delay [mins]
Ent. Coeff	Ent. Coeff	Ent. Coeff
Length [m]	Length [m]	Length [m]
Out Invert	Out Invert	Out Invert
n	n	n
HSQ	HSQ	HSQ
Sub	Sub	Sub
DFactor	DFactor	DFactor
Btime	Btime	Btime
T/B	T/B	T/B
Delay	Delay	Delay
H	S	H
S	H	S
m	m3	m
m3	m	m3

	6B	6.642	4.766	7.929	5.709	9.598	6.919	11.285	8.026	13.003	9.258	25.629
	6A	8.197	6.585	9.854	7.846	12.015	9.463	14.269	10.984	16.518	12.638	35.682
	2A	1.534	0.987	1.814	1.173	2.175	1.41	2.492	1.615	2.853	1.853	4.883
	1G	6.22	4.542	7.438	5.46	9.017	6.64	10.629	7.732	12.262	8.938	23.76
	1F	8.465	7.062	10.222	8.456	12.52	10.232	14.935	11.924	17.35	13.728	38.278
	1E	7.334	6.8	8.308	7.736	9.442	8.84	10.587	9.86	11.818	10.834	39.805
	3A1	0.57	0.319	0.669	0.377	0.796	0.451	0.9	0.513	1.025	0.586	1.525
	3B	1.745	1.197	2.072	1.427	2.496	1.721	2.881	1.978	3.31	2.274	5.986
	3A	3.828	2.655	4.558	3.173	5.496	3.835	6.418	4.423	7.372	5.091	13.633
	1D	7.788	7.029	8.937	8.267	10.296	9.618	11.64	10.789	12.962	11.897	45.813
	1C	10.554	9.636	11.878	11.098	13.438	12.687	15.039	14.076	16.482	15.422	54.617
	1B	10.339	9.307	12.026	10.975	13.696	12.722	15.371	14.277	16.864	15.712	54.768
	1A	12.218	11.651	14.186	13.862	16.415	16.569	18.903	19.153	20.947	21.639	66.198
	DUMMY	24.618	22.88	29.717	27.224	36.256	32.675	43.09	37.837	49.72	43.087	119.098
PEAK OUTLET	Outflow											
	4A	0.896	0.517	1.053	0.611	1.253	0.731	1.419	0.832	1.617	0.951	2.48
	7A	1.176	0.69	1.382	0.816	1.645	0.976	1.865	1.112	2.125	1.271	3.317
	8C	0.788	0.453	0.926	0.535	1.103	0.64	1.249	0.729	1.424	0.834	2.174
	8B	1.411	0.936	1.666	1.11	1.995	1.332	2.29	1.523	2.618	1.744	4.612
	8A	1.887	1.264	2.239	1.509	2.686	1.822	3.119	2.093	3.569	2.404	6.556
	5E	0.252	0.135	0.295	0.159	0.351	0.19	0.396	0.216	0.451	0.247	0.654
	5D	0.859	0.521	1.011	0.617	1.207	0.738	1.372	0.842	1.566	0.963	2.523
	5C	1.422	0.953	1.677	1.131	2.005	1.358	2.312	1.553	2.642	1.78	4.721
	5B	3.981	2.874	4.861	3.438	5.945	4.17	7.002	4.818	8.069	5.551	15.404
	5A	6.21	4.753	7.597	5.689	9.35	6.892	11.093	7.977	12.855	9.189	25.855
	6D	3.487	2.357	4.127	2.803	4.951	3.374	5.689	3.872	6.517	4.445	11.582
	6C	4.855	3.349	5.763	3.999	6.934	4.829	8.082	5.568	9.273	6.408	17.168
	6B	6.642	4.766	7.929	5.709	9.598	6.919	11.285	8.026	13.003	9.258	25.629
	6A	8.197	6.585	9.854	7.846	12.015	9.462	14.248	10.984	16.42	12.638	35.639
	2A	1.534	0.987	1.814	1.173	2.175	1.41	2.492	1.615	2.853	1.853	4.883
	1G	6.22	4.542	7.438	5.46	9.017	6.64	10.629	7.732	12.262	8.938	23.76
	1F	7.105	6.568	8.02	7.509	9.088	8.603	10.146	9.585	11.413	10.527	37.912
	1E	7.334	6.8	8.308	7.736	9.442	8.84	10.587	9.86	11.818	10.834	39.805
	3A1	0.539	0.318	0.633	0.376	0.763	0.45	0.869	0.512	0.99	0.585	1.524
	3B	1.745	1.197	2.072	1.427	2.496	1.721	2.881	1.978	3.31	2.274	5.986
	3A	3.136	2.554	3.447	2.918	3.763	3.31	4.065	3.642	4.354	3.951	13.565
	1D	7.786	7.025	8.936	8.266	10.295	9.62	11.639	10.789	12.958	11.896	45.734
	1C	9.956	9.089	11.551	10.705	13.204	12.359	14.822	13.805	16.278	15.165	52.529
	1B	10.339	9.307	12.026	10.975	13.696	12.722	15.371	14.277	16.864	15.712	54.768
	1A	12.218	11.651	14.186	13.862	16.415	16.569	18.903	19.153	20.947	21.639	66.198
	DUMMY	24.618	22.88	29.717	27.224	36.256	32.675	43.09	37.837	49.72	43.087	119.098
TIME to Peaks [mins]												
TIME Stream Top												
	4A	0	0	0	0	0	0	0	0	0	0	0
	7A	0	0	0	0	0	0	0	0	0	0	0
	8C	0	0	0	0	0	0	0	0	0	0	0
	8B	35	75	35	75	35	75	35	75	35	75	20
	8A	36	75	36	75	35	75	36	75	36	75	20
	5E	0	0	0	0	0	0	0	0	0	0	0
	5D	35	75	35	75	35	75	35	75	35	75	10
	5C	35	75	35	75	35	75	35	75	35	75	20
	5B	40	75	40	75	40	75	40	75	40	75	21
	5A	40	75	40	75	40	75	40	75	40	75	24
	6D	0	0	0	0	0	0	0	0	0	0	0
	6C	35	75	35	75	35	75	35	75	35	75	20
	6B	40	75	40	75	40	75	40	75	40	75	25
	6A	40	75	40	75	40	75	40	75	40	75	27
	2A	0	0	0	0	0	0	0	0	0	0	0
	1G	0	0	0	0	0	0	0	0	0	0	0
	1F	40	75	40	75	40	75	40	75	40	75	30
	1E	53	93	56	95	59	96	64	98	65	99	38
	3A1	0	0	0	0	0	0	0	0	0	0	0
	3B	0	0	0	0	0	0	0	0	0	0	0
	3A	36	75	35	75	36	75	35	75	35	75	20
	1D	52	90	54	90	58	90	63	97	65	98	39
	1C	52	90	54	91	59	91	62	91	66	91	40
	1B	59	96	64	97	67	100	69	101	71	102	48
	1A	64	98	65	90	65	90	65	90	65	90	48
	DUMMY	43	90	41	90	41	90	40	90	41	90	45
TIME Stream Bottom												
	4A	0	0	0	0	0	0	0	0	0	0	0
	7A	0	0	0	0	0	0	0	0	0	0	0
	8C	0	0	0	0	0	0	0	0	0	0	0
	8B	40	76	40	76	40	76	40	76	40	76	21
	8A	41	77	41	76	40	76	40	76	40	76	22
	5E	0	0	0	0	0	0	0	0	0	0	0
	5D	40	76	40	76	39	76	39	75	39	75	21
	5C	40	76	40	76	40	76	40	76	40	76	21
	5B	44	81	43	80	43	80	42	79	42	79	26
	5A	43	81	43	80	42	79	42	79	42	79	27
	6D	0	0	0	0	0	0	0	0	0	0	0
	6C	41	78	41	78	41	78	41	78	41	77	26
	6B	45	85	44	84	44	83	44	83	44	82	31
	6A	47	90	47	90	46	90	46	89	46	87	35
	2A	0	0	0	0	0	0	0	0	0	0	0
	1G	0	0	0	0	0	0	0	0	0	0	0
	1F	47	91	47	91	46	90	46	90	46	90	38
	1E	56	96	59	97	62	99	66	101	67	102	40
	3A1	0	0	0	0	0	0	0	0	0	0	0
	3B	0	0	0	0	0	0	0	0	0	0	0
	3A	42	79	42	79	42	78	41	78	41	78	26
	1D	53	92	57	93	60	95	65	98	67	100	40
	1C	54	91	56	93	61	94	65	95	68	96	42
	1B	64	100	67	100	70	104	72	105	74	106	50
	1A	71	105	72	105	75	106	80	107	81	106	54
	DUMMY	45	90	43	90	43	90	42	90	42	90	45
TIME Local Perv												
	4A	35	75	35	75	35	75	35	75	35	75	20
	7A	35	75	35	75	35	75	35	75	35	75	20
	8C	35	75	35	75	35	75	35	75	35	75	20
	8B	35	75	35	75	35	75	35	75	35	75	20
	8A	35	75	35	75	35	75	35	75	35	75	20
	5E	35	75	35	75	35	75	35	75	35	75	20
	5D	35	75	35	75	35	75	35	75	35	75	20
	5C	35	75	35	75	35	75	35	75	35	75	20
	5B	40	75	35	75	35	75	35	75	35	75	20
	5A	40	75	40	75	40	75	40	75	40	75	25
	6D	40	75	40	75	40	75	40	75	40	75	25
	6C	40	75	40	75	40	75	40	75	40	75	20
	6B	40	75	40	75	40	75	40	75	40	75	25
	6A	40	75	40	75	40	75	40	75	40	75	25
	2A	40	75	40	75	40	75	40	75	40	75	20
	1G	40	90	40	75	40	75	40	75	40	75	35
	1F	40	75	40	75	40	75	40	75	40	75	25
	1E	35	75	35	75	35	75	35	75	35	75	20
	3A1	35	75	35	75	35	75	35	75	35	75	20
	3B	40	75	40	75	40	75	40	75	40	75	25
	3A	40	75	40	75	40	75	40	75	40	75	20
	1D	35	75	35	75	35	75	35	75	35	75	20
	1C	40	75	35	75	35	75	35	75	35	75	20
	1B	40	75	40	75	35	75	40	75	35	75	20
	1A	40	75	40	75	40	75	40	75	40	75	25
	DUMMY	35	75	35	75	35						

	3B	40	75	35	75	35	75	35	75	35	75	20
	3A	40	75	40	75	40	75	40	75	40	75	25
	1D	53	90	57	90	60	91	65	91	66	91	40
	1C	53	90	57	90	61	90	65	92	65	91	41
	1B	64	99	65	100	65	103	65	104	77	105	49
	1A	65	90	65	90	65	90	65	90	65	90	50
	DUMMY	45	90	43	90	42	90	42	90	42	90	45
TIME OUTLET Outflow												
	4A	35	75	35	75	35	75	35	75	35	75	20
	7A	35	75	35	75	35	75	35	75	35	75	20
	8C	35	75	35	75	35	75	35	75	35	75	20
	8B	36	75	36	75	35	75	36	75	36	75	20
	8A	41	77	41	77	41	77	41	76	40	76	22
	5E	35	75	35	75	35	75	35	75	35	75	10
	5D	35	75	35	75	35	75	35	75	35	75	20
	5C	40	75	39	75	38	75	38	75	38	75	20
	5B	40	75	40	75	40	75	40	75	40	75	25
	5A	44	82	43	81	43	80	42	80	42	79	26
	6D	35	75	35	75	35	75	35	75	35	75	20
	6C	40	75	40	75	40	75	40	75	40	75	25
	6B	40	75	40	75	40	75	40	75	40	75	27
	6A	41	90	40	89	41	87	41	86	41	85	35
	2A	35	75	35	75	35	75	35	75	35	75	20
	1G	40	75	40	75	40	75	40	75	40	75	30
	1F	53	93	56	95	59	96	64	98	65	99	38
	1E	57	90	59	90	62	97	65	99	65	101	40
	3A1	36	75	36	75	36	75	36	75	36	75	20
	3B	40	75	35	75	35	75	35	75	35	75	20
	3A	45	78	46	82	47	90	49	91	50	92	26
	1D	53	91	57	91	61	91	65	91	66	91	41
	1C	59	96	64	97	67	100	69	101	71	102	48
	1B	64	99	65	100	65	103	65	104	77	105	49
	1A	65	90	65	90	65	90	65	90	65	90	50
	DUMMY	45	90	43	90	42	90	42	90	42	90	45
OUTLET Results												
OUTLET Strc on: 8A												
	Inflow Peak (m3/s)	1.956	1.304	2.311	1.552	2.767	1.869	3.202	2.143	3.66	2.461	6.6
	Outflow Peak (m3/s)	1.887	1.264	2.239	1.509	2.686	1.822	3.119	2.093	3.569	2.404	6.556
	Inflow Volume (m3)	4721	6590	5537	7812	6579	9363	7982	11470	9078	13125	17488
	Max Vol. Stored (m3)	1081	1004	1121	1038	1172	1073	1215	1104	1260	1140	1531
	Max Water Elevation (m)	24.618	24.59	24.632	24.602	24.651	24.615	24.666	24.626	24.681	24.639	24.773
OUTLET Strc on: 5A												
	Inflow Peak (m3/s)	6.405	4.784	7.802	5.731	9.58	6.943	11.362	8.035	13.151	9.259	25.846
	Outflow Peak (m3/s)	6.21	4.753	7.597	5.689	9.35	6.892	11.093	7.977	12.855	9.189	25.855
	Inflow Volume (m3)	18928	26700	22338	31800	26684	38272	32541	47060	37115	53970	72204
	Max Vol. Stored (m3)	2701	2519	2860	2637	3049	2779	3224	2902	3394	3031	3838
	Max Water Elevation (m)	17.801	17.782	17.817	17.794	17.836	17.809	17.854	17.822	17.871	17.835	17.977
OUTLET Strc on: 6A												
	Inflow Peak (m3/s)	8.197	6.585	9.854	7.846	12.015	9.463	14.269	10.984	16.518	12.638	35.682
	Outflow Peak (m3/s)	8.182	6.585	9.835	7.846	12	9.462	14.248	10.984	16.42	12.638	35.639
	Inflow Volume (m3)	29449	40932	34568	48583	41094	58294	49885	71488	56753	81855	109419
	Max Vol. Stored (m3)	18	13	26	17	46	24	73	37	124	52	1449
	Max Water Elevation (m)	16.473	16.341	16.602	16.446	16.757	16.573	16.909	16.684	17.05	16.803	18.099
OUTLET Strc on: 1F												
	Inflow Peak (m3/s)	8.465	7.062	10.222	8.456	12.52	10.232	14.935	11.924	17.35	13.728	38.278
	Outflow Peak (m3/s)	7.105	6.568	8.02	7.509	9.088	8.603	10.146	9.585	11.413	10.527	37.912
	Inflow Volume (m3)	33311	45851	39179	54616	46655	65741	56730	80855	64599	92737	125142
	Max Vol. Stored (m3)	2211	1631	3429	2707	5346	4430	7827	6447	10407	8865	15996
	Max Water Elevation (m)	46.772	46.605	47.057	46.898	47.389	47.239	47.719	47.544	48.013	47.842	48.521
OUTLET Strc on: 3A1												
	Inflow Peak (m3/s)	0.57	0.319	0.669	0.377	0.796	0.451	0.9	0.513	1.025	0.586	1.525
	Outflow Peak (m3/s)	0.539	0.318	0.633	0.376	0.763	0.45	0.869	0.512	0.99	0.585	1.524
	Inflow Volume (m3)	1064	1490	1247	1764	1480	2111	1795	2583	2040	2954	3921
	Max Vol. Stored (m3)	214	199	220	203	228	208	232	212	237	217	257
	Max Water Elevation (m)	36.572	36.538	36.586	36.547	36.603	36.558	36.612	36.567	36.622	36.579	36.667
OUTLET Strc on: 3A												
	Inflow Peak (m3/s)	3.828	2.655	4.558	3.173	5.496	3.835	6.418	4.423	7.372	5.091	13.633
	Outflow Peak (m3/s)	3.136	2.554	3.447	2.918	3.763	3.31	4.065	3.642	4.354	3.951	13.565
	Inflow Volume (m3)	10361	14383	12168	17086	14471	20518	17576	25177	20001	28839	38637
	Max Vol. Stored (m3)	422	47	792	210	1358	619	2042	1117	2815	1767	4129
	Max Water Elevation (m)	32.353	32.01	32.563	32.209	32.829	32.47	33.108	32.721	33.389	33	33.793
OUTLET Strc on: 1D												
	Inflow Peak (m3/s)	7.788	7.029	8.937	8.267	10.296	9.618	11.64	10.789	12.962	11.897	45.813
	Outflow Peak (m3/s)	7.786	7.025	8.936	8.266	10.295	9.62	11.639	10.789	12.958	11.896	45.734
	Inflow Volume (m3)	36882	50222	43673	60161	52426	72834	64204	89897	73541	103580	149809
	Max Vol. Stored (m3)	188	170	218	201	253	235	290	266	329	297	2489
	Max Water Elevation (m)	32.494	32.447	32.559	32.521	32.634	32.598	32.705	32.66	32.77	32.717	34.244
OUTLET Strc on: 1C												
	Inflow Peak (m3/s)	10.554	9.636	11.878	11.098	13.438	12.687	15.039	14.076	16.482	15.422	54.617
	Outflow Peak (m3/s)	9.956	9.089	11.551	10.705	13.204	12.359	14.822	13.805	16.278	15.165	52.529
	Inflow Volume (m3)	48602	67078	57125	79833	68009	96034	82649	118039	94084	135300	182158
	Max Vol. Stored (m3)	4778	4424	5442	5084	6110	5772	6732	6342	7276	6860	18489
	Max Water Elevation (m)	30.15	30.081	30.277	30.21	30.398	30.337	30.507	30.439	30.599	30.529	32.274