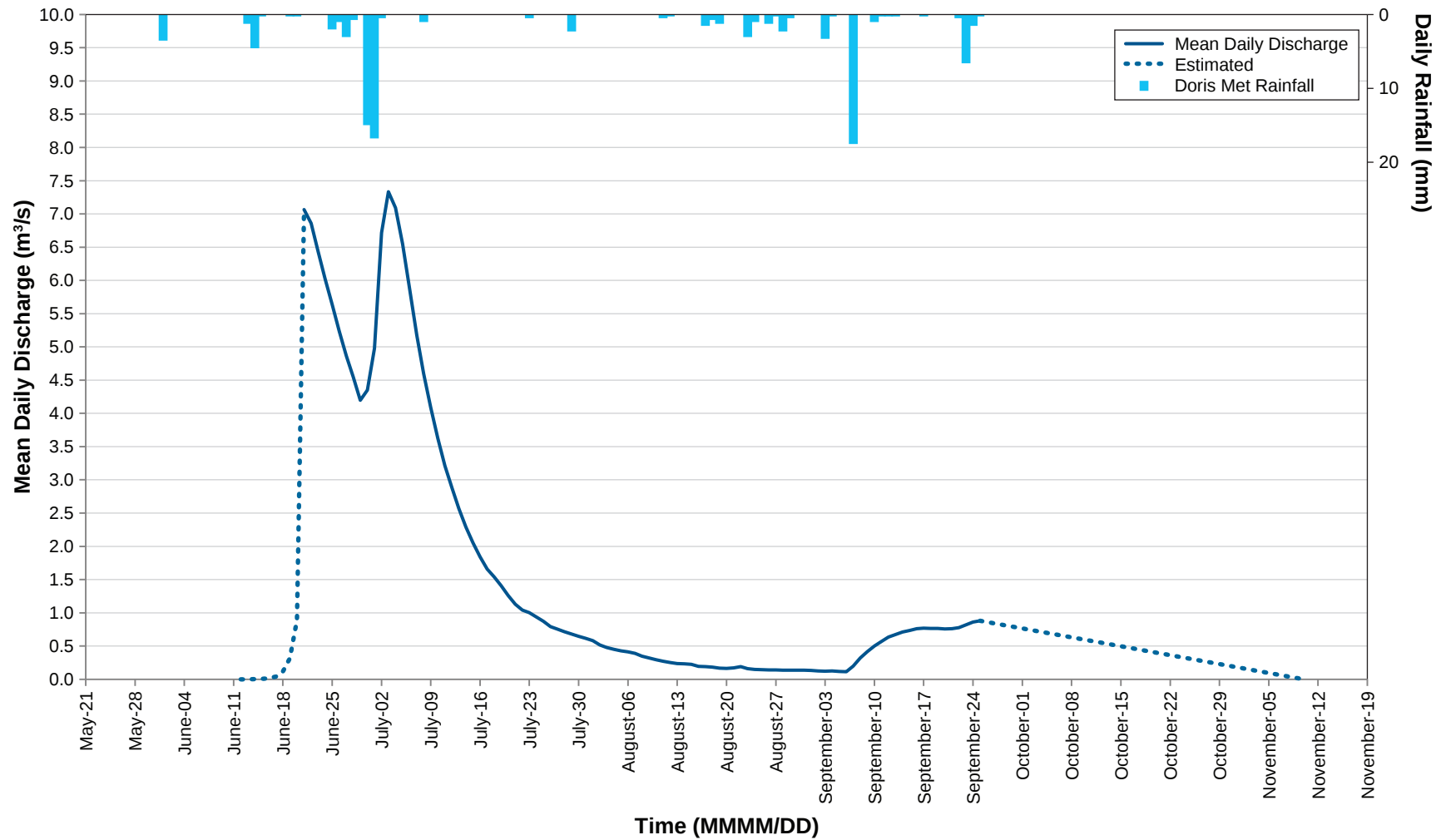




Appendix B1

Discharge Measurements Boston Area

Appendix B1-1. Discharge Measurements at Aima Outflow-Hydro in 2011

Date Monitored:	16-Jun-11	Mean Discharge Q (m ³ /s):	13.45					
Start Time (24 hr):	12:53	% Measured:	59.51					
End Time (24 hr):	13:02	Stage (m):	98.239					
Personnel:	Craig Hatt; Max Taylor							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
Transect	Discharge Q (m ³ /s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	1.53	9.54	2.29	0.043	0.126	13.53	4	11
2	1.78	8.38	3.05	0.049	0.280	13.54	5	24
3	1.61	7.22	3.98	0.034	0.500	13.34	2	29
4	1.85	6.88	4.20	0.043	0.436	13.40	22	34
Mean	1.69	8.01	3.38	0.042	0.336	13.45	8	24

Date Monitored:	20-Jun-11	Mean Discharge Q (m ³ /s):	65.02					
Start Time (24 hr):	9:48	% Measured:	59.13					
End Time (24 hr):	9:55	Stage (m):	99.631					
Personnel:	Craig Hatt; Max Taylor							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
Transect	Discharge Q (m ³ /s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	6.419	37.172	20.455	0.213	0.123	64.381	2	33
2	6.316	41.156	17.358	0.236	0.275	65.34	0	30
3	6.527	39.341	19.361	0.225	0.423	65.877	4	35
4	6.15	36.122	21.78	0.204	0.219	64.474	2	35
Mean	6.353	38.448	19.738	0.219	0.26	65.018	2	33

Date Monitored:	18-Jul-11	Mean Discharge Q (m³/s):	34.79					
Start Time (24 hr):	12:42	% Measured:	72.01					
End Time (24 hr):	12:55	Stage (m):	99.069					
Personnel:	Craig Hatt and Assistant							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
Transect	Discharge Q (m³/s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	3.417	24.942	5.097	0.269	1.199	34.925	0	11
2	3.485	25.062	4.948	0.608	0.612	34.713	2	13
3	3.435	24.973	4.812	0.704	0.522	34.446	2	12
4	3.452	25.223	4.873	0.294	1.225	35.067	0	12
Mean	3.447	25.05	4.932	0.469	0.89	34.788	1	12

Appendix B1-1. Discharge Measurements at Aimao Outflow-Hydro in 2011

Date Monitored:	24-Aug-11	Mean Discharge Q (m ³ /s):	4.72					
Start Time (24 hr):	16:07	% Measured:	66.21					
End Time (24 hr):	16:20	Stage (m):	97.771					
Personnel:	Craig Hatt and Assistant							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
Transect	Discharge Q (m ³ /s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	0.671	3.179	0.772	0.059	0.148	4.828	0	12
2	0.648	3.052	0.705	0.002	0.177	4.584	0	10
3	0.657	3.154	0.694	0.048	0.168	4.721	0	12
4	0.654	3.12	0.741	0.057	0.181	4.754	0	11
Mean	0.6575	3.12625	0.728	0.041	0.1685	4.72175	0	11.25

Date Monitored:	20-Sep-11	Mean Discharge Q (m ³ /s):					3.24	
Start Time (24 hr):	10:06	% Measured:					65.49	
End Time (24 hr):	10:17	Stage (m):					97.7	
Personnel:	Craig Hatt and Assistant							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
Transect	Discharge Q (m ³ /s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	0.54	2.12	0.465	0.037	0.08	3.25	7	7
2	0.509	2.1	0.495	0.048	0.032	3.18	5	10
3	0.51	2.13	0.475	0.044	0.083	3.24	1	9
4	0.512	2.03	0.485	0.057	0.074	3.16	5	9
5	0.541	2.23	0.512	0.05	0.042	3.37	2	9
Mean	0.522	2.12	0.486	0.047	0.062	3.24	4	9

Appendix B1-2. Discharge Measurement at Aimao Inflow-Hydro in 2011

Date Monitored:	14-Jun-11	Mean Discharge Q (m ³ /s):	24.73					
Start Time (24 hr):	16:19	% Measured:	52.00					
End Time (24 hr):	16:34	Stage (m):	99.564					
Personnel:	Craig Hatt; Max Taylor							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
Transect	Discharge Q (m ³ /s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	6.07	12.76	6.39	0.061	0.075	25.37	7	18
2	6.21	11.79	5.72	0.094	0.067	23.88	13	21
3	5.67	13.30	5.69	0.088	0.107	24.85	8	17
4	5.96	13.58	5.12	0.063	0.087	24.81	11	15
Mean	5.93	12.86	5.73	0.077	0.084	24.73	9	18

Date Monitored:	20-Jun-11	Mean Discharge Q (m ³ /s):	86.30					
Start Time (24 hr):	11:41	% Measured:	68.48					
End Time (24 hr):	12:16	Stage (m):	100.303					
Personnel:	Craig Hatt; Max Taylor							
Method:	Velocity-Area							
Instrument:	Acoustic Doppler Current Profiler							
	Discharge Q (m ³ /s)						% Bad	
Transect	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	14.2	59.4	12.1	1.370	0.189	87.3	40	0
2	13.3	61.0	13.8	1.360	0.467	89.9	25	1
3	13.7	58.6	13.5	1.010	0.468	87.4	30	0
4	12.2	59.4	12.3	1.360	0.404	85.7	21	0
5	12.2	58.4	11.8	2.640	0.437	85.4	30	0
6	12.0	57.0	12.0	1.470	0.457	83.0	24	0
8	12.0	60.1	11.8	1.360	0.425	85.8	25	0
Mean	12.8	59.1	12.5	1.510	0.407	86.3	28	0

Note: June 20, 2011 flow measurement not useable due to high ensemble and bin errors

Appendix B1-2. Discharge Measurement at Aimao Inflow-Hydro in 2011

Date Monitored:	18-Jul-11		Discharge:		7.77 m³/s					
Start Time (24 hr):	10:30									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	99.069									
Notes	Station (m)	Depth (m)	Width (m)	Area (m ²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	29.00	0.00	0.25	0.02	0.00			0.00	0.00	0.0
	28.50	0.14	0.75	0.11	0.05			0.05	0.01	0.1
	27.50	0.24	1.00	0.24	0.42			0.42	0.10	1.3
	26.50	0.34	1.00	0.34	0.46			0.46	0.16	2.0
	25.50	0.41	1.00	0.41	0.53			0.53	0.22	2.8
	24.50	0.51	1.00	0.51	0.64			0.64	0.33	4.2
	23.50	0.66	1.00	0.66	0.42			0.42	0.28	3.6
	22.50	0.68	1.00	0.68	0.57			0.57	0.39	5.0
	21.50	0.70	1.00	0.70	0.45			0.45	0.32	4.1
	20.50	0.74	1.00	0.74	0.65			0.65	0.48	6.2
	19.50	0.66	1.00	0.66	0.33			0.33	0.22	2.8
Rock 5m upstream	18.50	0.74	1.00	0.74	0.38			0.38	0.28	3.6
	17.50	0.7	1.00	0.70	0.38			0.38	0.27	3.4
	16.50	0.73	1.00	0.73	0.56			0.56	0.41	5.3
	15.50	0.68	1.00	0.68	0.41			0.41	0.28	3.6
	14.50	0.63	1.00	0.63	0.68			0.68	0.43	5.5
	13.50	0.60	0.75	0.45	0.87			0.87	0.39	5.0
	13.00	0.60	0.50	0.30	0.97			0.97	0.29	3.7
	12.50	0.66	0.50	0.33	0.69			0.69	0.23	2.9
	12.00	0.64	0.50	0.32	0.74			0.74	0.24	3.0
	11.50	0.64	0.50	0.32	0.88			0.88	0.28	3.6
	11.00	0.64	0.50	0.32	0.78			0.78	0.25	3.2
	10.50	0.64	0.50	0.32	0.74			0.74	0.24	3.0
	10.00	0.59	0.50	0.30	0.74			0.74	0.22	2.8
	9.50	0.60	0.75	0.45	0.83			0.83	0.37	4.8
	8.50	0.62	1.00	0.62	0.64			0.64	0.40	5.1
	7.50	0.60	1.00	0.60	0.61			0.61	0.37	4.7
	6.50	0.40	1.00	0.40	0.45			0.45	0.18	2.3
	5.50	0.24	1.00	0.24	0.40			0.40	0.10	1.2
	4.50	0.34	1.00	0.34	0.21			0.21	0.07	0.9
	3.50	0.05	0.95	0.05	0.05			0.05	0.00	0.0
	2.60	0.02	0.90	0.02	0.02			0.02	0.00	0.0
Left Bank	1.70	0.00	0.45	0.00	0.00			0.00	0.00	0.0
Total Q									7.77	

Appendix B1-2. Discharge Measurement at Aimao Inflow-Hydro in 2011

Date Monitored:	20-Aug-11		Discharge:		1.10 m³/s					
Start Time (24 hr):	12:00									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	98.752									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	4.00	0.00	0.50	0.04	0.00			0.00	0.00	0.0
	5.00	0.16	1.00	0.16	0.02			0.02	0.00	0.3
	6.00	0.28	1.10	0.31	0.01			0.01	0.00	0.3
	7.20	0.36	1.00	0.36	0.04			0.04	0.01	1.3
	8.00	0.34	0.65	0.22	0.22			0.22	0.05	4.4
	8.50	0.41	0.50	0.21	0.20			0.20	0.04	3.7
	9.00	0.40	0.75	0.30	0.03			0.03	0.01	0.8
	10.00	0.30	1.00	0.30	0.10			0.10	0.03	2.7
	11.00	0.32	1.00	0.32	0.12			0.12	0.04	3.5
	12.00	0.36	1.00	0.36	0.14			0.14	0.05	4.6
	13.00	0.39	1.00	0.39	0.16			0.16	0.06	5.7
Rock 5m upstream	14.00	0.32	1.00	0.32	0.12			0.12	0.04	3.5
	15.00	0.38	1.00	0.38	0.14			0.14	0.05	4.8
	16.00	0.33	0.75	0.25	0.21			0.21	0.05	4.7
	16.50	0.26	0.50	0.13	0.21			0.21	0.03	2.5
	17.00	0.29	0.50	0.15	0.38			0.38	0.06	5.0
	17.50	0.28	0.50	0.14	0.34			0.34	0.05	4.3
	18.00	0.26	0.50	0.13	0.40			0.40	0.05	4.7
	18.50	0.31	0.50	0.16	0.40			0.40	0.06	5.6
	19.00	0.25	0.50	0.13	0.40			0.40	0.05	4.5
	19.50	0.28	0.50	0.14	0.42			0.42	0.06	5.3
	20.00	0.32	0.50	0.16	0.42			0.42	0.07	6.1
	20.50	0.30	0.50	0.15	0.34			0.34	0.05	4.6
	21.00	0.28	0.75	0.21	0.32			0.32	0.07	6.1
	22.00	0.25	1.00	0.25	0.28			0.28	0.07	6.4
	23.00	0.16	1.00	0.16	0.27			0.27	0.04	3.9
	24.00	0.13	0.70	0.09	0.06			0.06	0.01	0.5
Left Bank	24.40	0.00	0.20	0.01	0.00			0.00	0.00	0.0
Total Q									1.10	

Appendix B1-2. Discharge Measurement at Aimao Inflow-Hydro in 2011

Date Monitored:	19-Sep-11		Discharge:		1.29 m³/s					
Start Time (24 hr):	10:00									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	98.578									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	4.30	0.00	0.50	0.04	0.00			0.00	0.00	0.0
	5.30	0.16	1.00	0.16	0.01			0.01	0.00	0.1
	6.30	0.22	1.00	0.22	0.02			0.02	0.00	0.3
	7.30	0.36	1.00	0.36	0.04			0.04	0.01	1.1
	8.30	0.39	1.00	0.39	0.20			0.20	0.08	6.0
	9.30	0.44	1.00	0.44	0.10			0.10	0.04	3.4
	10.30	0.37	1.00	0.37	0.14			0.14	0.05	4.0
	11.30	0.35	1.00	0.35	0.21			0.21	0.07	5.7
	12.30	0.43	1.00	0.43	0.18			0.18	0.08	6.0
	13.30	0.44	1.00	0.44	0.12			0.12	0.05	4.1
	14.30	0.38	1.00	0.38	0.15			0.15	0.06	4.4
	15.30	0.42	1.00	0.42	0.15			0.15	0.06	4.9
	16.30	0.34	0.75	0.26	0.28			0.28	0.07	5.5
	16.80	0.39	0.50	0.20	0.25			0.25	0.05	3.8
	17.30	0.36	0.50	0.18	0.29			0.29	0.05	4.0
	17.80	0.35	0.50	0.18	0.39			0.39	0.07	5.3
	18.30	0.32	0.50	0.16	0.34			0.34	0.05	4.2
	18.80	0.34	0.50	0.17	0.34			0.34	0.06	4.5
	19.30	0.37	0.50	0.19	0.31			0.31	0.06	4.4
	19.80	0.35	0.50	0.18	0.36			0.36	0.06	4.9
	20.30	0.33	0.50	0.17	0.35			0.35	0.06	4.5
	20.80	0.32	0.50	0.16	0.33			0.33	0.05	4.1
	21.30	0.26	0.75	0.20	0.32			0.32	0.06	4.8
	22.30	0.38	1.00	0.38	0.21			0.21	0.08	6.2
	23.30	0.18	1.00	0.18	0.21			0.21	0.04	2.9
	24.30	0.14	1.00	0.14	0.09			0.09	0.01	1.0
	25.30	0.06	0.80	0.05	0.00			0.00	0.00	0.0
Left Bank	25.90	0.00	0.30	0.01	0.00			0.00	0.00	0.0
Total Q									1.29	

Appendix B1-3. Discharge Measurements at East Aimao-Hydro in 2011

Date Monitored:	12-Jun-11					Discharge:		3.55 m³/s		
Start Time (24 hr):	12:45									
End Time (24 hr):										
Personnel:	Craig Hatt; Max Taylor									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	98.604									
	Station	Depth	Width	Area	60% Velocity	20% Velocity	80% Velocity	Velocity	Q	% of
Notes	(m)	(m)	(m)	(m²)	(m/s)	(m/s)	(m/s)	(m/s)	(m³/s)	Total Q
Right Bank	1.90	0.00	0.40	0.01	0.00			0.00	0.00	0.0
	2.70	0.07	0.75	0.05	0.11			0.11	0.01	0.2
	3.40	0.10	0.70	0.07	0.12			0.12	0.01	0.2
	4.10	0.14	0.70	0.10	0.27			0.27	0.03	0.7
	4.80	0.17	0.70	0.12	0.34			0.34	0.04	1.1
	5.50	0.20	0.70	0.14	0.75			0.75	0.11	3.0
	6.20	0.25	0.70	0.18	0.97			0.97	0.17	4.8
	6.90	0.28	0.70	0.20	0.96			0.96	0.19	5.3
	7.60	0.32	0.70	0.22	1.18			1.18	0.26	7.4
	8.30	0.30	0.70	0.21	1.22			1.22	0.26	7.2
	9.00	0.34	0.60	0.20	1.18			1.18	0.24	6.8
	9.50	0.36	0.50	0.18	1.20			1.20	0.22	6.1
	10.00	0.36	0.50	0.18	1.13			1.13	0.20	5.7
	10.50	0.36	0.50	0.18	1.29			1.29	0.23	6.5
	11.00	0.36	0.50	0.18	1.34			1.34	0.24	6.8
	11.50	0.34	0.50	0.17	1.20			1.20	0.20	5.7
	12.00	0.32	0.60	0.19	1.27			1.27	0.24	6.9
	12.70	0.30	0.70	0.21	1.13			1.13	0.24	6.7
	13.40	0.28	0.70	0.20	1.07			1.07	0.21	5.9
	14.10	0.27	0.70	0.19	0.99			0.99	0.19	5.3
	14.80	0.26	0.70	0.18	0.92			0.92	0.17	4.7
	15.50	0.16	0.60	0.10	1.12			1.12	0.11	3.0
Left Bank	16.00	0.00	0.25	0.02	0.00			0.00	0.00	0.0
Total Q									3.55	

Date Monitored:	20-Jun-11	Mean Discharge Q (m³/s):	51.43
Start Time (24 hr):	14:24	% Measured:	57.62
End Time (24 hr):	14:29	Stage (m):	98.769
Personnel:	Craig Hatt; Max Taylor		
Method:	Velocity-Area		
Instrument:	Acoustic Doppler Current Profiler		

Transect	Discharge Q (m³/s)						% Bad	
	Top	Mid	Bottom	Left	Right	Total Q	Ens	Bins
1	9.58	27.74	11.51	0.328	1.942	51.10	12	19
2	8.80	28.81	9.71	0.256	2.651	50.23	12	18
3	8.52	30.33	9.26	0.387	2.567	51.06	15	19
4	9.25	31.65	9.60	0.320	2.514	53.33	20	16
Mean	9.04	29.63	10.02	0.323	2.419	51.43	15	18

Appendix B1-3. Discharge Measurements at East Aimao-Hydro in 2011

Date Monitored:	18-Jul-11	Discharge: 3.69 m ³ /s								
Start Time (24 hr):	13:00									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	98.322									
Notes	Station (m)	Depth (m)	Width (m)	Area (m ²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m ³ /s)	% of Total Q
Left Bank	21.10	0.00	0.15	0.01	0.00			0.00	0.00	0.0
	20.80	0.08	0.55	0.04	0.08			0.08	0.00	0.1
	20.00	0.19	0.90	0.17	0.12			0.12	0.02	0.6
	19.00	0.25	1.00	0.25	0.15			0.15	0.04	1.0
	18.00	0.45	0.75	0.34	0.14			0.14	0.05	1.3
	17.50	0.46	0.65	0.30	0.21			0.21	0.06	1.7
	16.70	0.44	0.75	0.33	0.07			0.07	0.02	0.6
	16.00	0.34	0.85	0.29	0.25			0.25	0.07	2.0
	15.00	0.44	1.00	0.44	0.34			0.34	0.15	4.1
	14.00	0.40	1.00	0.40	0.33			0.33	0.13	3.6
	13.00	0.36	0.88	0.32	0.52			0.52	0.16	4.4
	12.25	0.39	0.75	0.29	0.39			0.39	0.11	3.1
	11.50	0.44	0.88	0.39	0.58			0.58	0.22	6.1
	10.50	0.44	0.88	0.39	0.58			0.58	0.22	6.1
	9.75	0.50	0.75	0.38	0.71			0.71	0.27	7.2
	9.00	0.50	0.75	0.38	0.67			0.67	0.25	6.8
	8.25	0.40	0.75	0.30	0.72			0.72	0.22	5.9
	7.50	0.52	0.75	0.39	0.65			0.65	0.25	6.9
	6.75	0.62	0.75	0.47	0.64			0.64	0.30	8.1
	6.00	0.66	0.75	0.50	0.59			0.59	0.29	7.9
	5.25	0.60	0.75	0.45	0.53			0.53	0.24	6.5
	4.50	0.52	0.75	0.39	0.56			0.56	0.22	5.9
	3.75	0.55	0.75	0.41	0.46			0.46	0.19	5.1
	3.00	0.30	0.85	0.26	0.39			0.39	0.10	2.7
	2.05	0.48	0.75	0.36	0.25			0.25	0.09	2.4
Right Bank	1.50	0.00	0.28	0.07	0.00			0.00	0.00	0.0
Total Q									3.69	

Appendix B1-3. Discharge Measurements at East Aimao-Hydro in 2011

Date Monitored:	21-Aug-11				Discharge:		0.53 m³/s			
Start Time (24 hr):	13:00									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	98.168									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	1.50	0.00	0.15	0.03	0.00			0.00	0.00	0.0
	1.80	0.34	0.55	0.19	0.03			0.03	0.01	1.1
	2.60	0.27	0.80	0.22	0.03			0.03	0.01	1.2
	3.40	0.32	0.80	0.26	0.07			0.07	0.02	3.4
	4.20	0.32	0.80	0.26	0.01			0.01	0.00	0.5
	5.00	0.22	0.80	0.18	0.14			0.14	0.02	4.7
	5.80	0.29	0.85	0.25	0.12			0.12	0.03	5.6
	6.70	0.29	0.65	0.19	0.16			0.16	0.03	5.7
	7.10	0.31	0.35	0.11	0.17			0.17	0.02	3.5
	7.40	0.44	0.35	0.15	0.21			0.21	0.03	6.1
	7.80	0.48	0.40	0.19	0.20			0.20	0.04	7.3
	8.20	0.43	0.40	0.17	0.19			0.19	0.03	6.2
	8.60	0.50	0.40	0.20	0.17			0.17	0.03	6.5
	9.00	0.50	0.40	0.20	0.24			0.24	0.05	9.1
	9.40	0.48	0.40	0.19	0.28			0.28	0.05	10.2
	9.80	0.46	0.40	0.18	0.14			0.14	0.03	4.9
	10.20	0.47	0.40	0.19	0.15			0.15	0.03	5.4
	10.60	0.15	0.40	0.06	0.21			0.21	0.01	2.4
	11.00	0.24	0.40	0.10	0.13			0.13	0.01	2.4
	11.40	0.20	0.60	0.12	0.17			0.17	0.02	3.9
	12.20	0.26	0.80	0.21	0.10			0.10	0.02	3.9
	13.00	0.14	0.80	0.11	0.10			0.10	0.01	2.1
	13.80	0.36	0.80	0.29	0.02			0.02	0.01	1.1
	14.60	0.30	0.80	0.24	0.01			0.01	0.00	0.5
	15.40	0.41	0.90	0.37	0.02			0.02	0.01	1.4
	16.40	0.24	1.00	0.24	0.01			0.01	0.00	0.5
	17.40	0.28	1.00	0.28	0.01			0.01	0.00	0.5
	18.40	0.22	0.75	0.17	0.00			0.00	0.00	0.0
Left Bank	18.90	0.00	0.25	0.03	0.00			0.00	0.00	0.0
Total Q									0.53	

Appendix B1-3. Discharge Measurements at East Aimao-Hydro in 2011

Date Monitored:	19-Sep-11		Discharge:		1.01 m³/s					
Start Time (24 hr):	12:45									
End Time (24 hr):										
Personnel:	Jim Zettel and Craig Hatt									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	98.223									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	1.70	0.00	0.50	0.04	0.00			0.00	0.00	0.0
	2.70	0.14	1.00	0.14	0.02			0.02	0.00	0.3
	3.70	0.16	1.00	0.16	0.09			0.09	0.01	1.4
	4.70	0.26	1.00	0.26	0.14			0.14	0.04	3.6
	5.70	0.25	1.00	0.25	0.15			0.15	0.04	3.7
	6.70	0.28	1.00	0.28	0.26			0.26	0.07	7.2
	7.70	0.25	0.75	0.19	0.23			0.23	0.04	4.3
	8.20	0.26	0.50	0.13	0.18			0.18	0.02	2.3
	8.70	0.30	0.50	0.15	0.24			0.24	0.04	3.6
	9.20	0.31	0.50	0.16	0.22			0.22	0.03	3.4
	9.70	0.37	0.50	0.19	0.27			0.27	0.05	4.9
	10.20	0.34	0.50	0.17	0.20			0.20	0.03	3.4
	10.70	0.39	0.50	0.20	0.21			0.21	0.04	4.1
	11.20	0.41	0.50	0.21	0.14			0.14	0.03	2.8
	11.70	0.30	0.75	0.23	0.25			0.25	0.06	5.6
	12.70	0.38	1.00	0.38	0.22			0.22	0.08	8.3
	13.70	0.34	1.00	0.34	0.16			0.16	0.05	5.4
	14.70	0.33	1.00	0.33	0.22			0.22	0.07	7.2
	15.70	0.42	1.00	0.42	0.04			0.04	0.02	1.7
	16.70	0.33	1.00	0.33	0.07			0.07	0.02	2.3
	17.70	0.34	1.00	0.34	0.15			0.15	0.05	5.1
	18.70	0.26	1.00	0.26	0.23			0.23	0.06	5.9
	19.70	0.30	1.00	0.30	0.15			0.15	0.05	4.5
	20.70	0.30	1.00	0.30	0.08			0.08	0.02	2.4
	21.70	0.28	1.00	0.28	0.14			0.14	0.04	3.9
	22.70	0.32	0.85	0.27	0.06			0.06	0.02	1.6
	23.40	0.26	0.65	0.17	0.08			0.08	0.01	1.3
Left Bank	24.00	0.00	0.30	0.04	0.00			0.00	0.00	0.0
Total Q									1.01	

Appendix B1-4. Discharge Measurements at East Tailings-Hydro in 2011

Date Monitored:	12-Jun-11				Discharge:		0.28 m³/s			
Start Time (24 hr):	10:30									
End Time (24 hr):										
Personnel:	Craig Hatt; Max Taylor									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	99.725									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	1.20	0.00	0.10	0.00	0.00			0.00	0.00	0.0
	1.40	0.06	0.20	0.01	-0.04			-0.04	0.00	-0.2
	1.60	0.06	0.20	0.01	0.00			0.00	0.00	0.0
	1.80	0.08	0.20	0.02	-0.03			-0.03	0.00	-0.2
	2.00	0.10	0.20	0.02	-0.02			-0.02	0.00	-0.1
	2.20	0.13	0.20	0.03	0.20			0.20	0.01	1.9
	2.40	0.24	0.20	0.05	0.39			0.39	0.02	6.8
	2.60	0.25	0.20	0.05	0.66			0.66	0.03	12.0
	2.80	0.28	0.20	0.06	0.55			0.55	0.03	11.2
	3.00	0.23	0.20	0.05	0.65			0.65	0.03	10.9
	3.20	0.17	0.20	0.03	0.66			0.66	0.02	8.2
	3.40	0.17	0.20	0.03	0.75			0.75	0.03	9.3
	3.60	0.17	0.20	0.03	0.47			0.47	0.02	5.8
	3.80	0.14	0.20	0.03	0.50			0.50	0.01	5.1
	4.00	0.15	0.20	0.03	0.41			0.41	0.01	4.5
	4.20	0.19	0.20	0.04	0.29			0.29	0.01	4.0
	4.40	0.20	0.20	0.04	0.31			0.31	0.01	4.5
	4.60	0.19	0.20	0.04	0.28			0.28	0.01	3.9
	4.80	0.22	0.20	0.04	0.28			0.28	0.01	4.5
	5.00	0.20	0.20	0.04	0.28			0.28	0.01	4.1
	5.20	0.20	0.20	0.04	0.18			0.18	0.01	2.6
	5.40	0.20	0.20	0.04	0.12			0.12	0.00	1.7
	5.60	0.18	0.20	0.04	0.01			0.01	0.00	0.1
	5.80	0.16	0.20	0.03	-0.04			-0.04	0.00	-0.5
Left Bank	6.00	0.00	0.10	0.01	0.00			0.00	0.00	0.0
Total Q									0.28	

Appendix B1-4. Discharge Measurements at East Tailings-Hydro in 2011

Date Monitored:	19-Jun-11		Discharge:		0.36 m³/s					
Start Time (24 hr):	17:00									
End Time (24 hr):										
Personnel:	Craig Hatt; Max Taylor									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	99.702									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	2.00	0.00	0.30	0.02	0.00			0.00	0.00	0.0
	2.60	0.10	0.60	0.06	0.05			0.05	0.00	0.8
	3.20	0.1	0.40	0.04	0.01			0.01	0.00	0.1
	3.40	0.23	0.20	0.05	0.06			0.06	0.00	0.8
	3.60	0.26	0.20	0.05	0.12			0.12	0.01	1.7
	3.80	0.36	0.20	0.07	0.10			0.10	0.01	2.0
	4.00	0.40	0.20	0.08	0.06			0.06	0.00	1.3
	4.20	0.46	0.20	0.09	0.15			0.15	0.01	3.8
	4.40	0.50	0.20	0.10	0.19			0.19	0.02	5.2
	4.60	0.58	0.20	0.12	0.21			0.21	0.02	6.7
	4.80	0.60	0.20	0.12	0.24			0.24	0.03	7.9
	5.00	0.64	0.20	0.13	0.23			0.23	0.03	8.1
	5.20	0.68	0.20	0.14	0.25			0.25	0.03	9.4
	5.40	0.69	0.20	0.14	0.21			0.21	0.03	8.0
	5.60	0.66	0.20	0.13	0.25			0.25	0.03	9.1
	5.80	0.64	0.20	0.13	0.23			0.23	0.03	8.1
	6.00	0.58	0.20	0.12	0.20			0.20	0.02	6.4
	6.20	0.46	0.20	0.09	0.20			0.20	0.02	5.1
	6.40	0.34	0.20	0.07	0.23			0.23	0.02	4.3
	6.60	0.33	0.20	0.07	0.17			0.17	0.01	3.1
	6.80	0.26	0.20	0.05	0.16			0.16	0.01	2.3
	7.00	0.24	0.20	0.05	0.18			0.18	0.01	2.4
	7.20	0.28	0.20	0.06	0.10			0.10	0.01	1.5
	7.40	0.26	0.20	0.05	0.11			0.11	0.01	1.6
	7.60	0.20	0.25	0.05	0.02			0.02	0.00	0.3
Left Bank	7.90	0.00	0.15	0.02	0.00			0.00	0.00	0.0
Total Q									0.36	

Appendix B1-4. Discharge Measurements at East Tailings-Hydro in 2011

Date Monitored:	19-Jul-11				Discharge:		0.00 m³/s			
Start Time (24 hr):	14:35									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	99.470									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	0.25	0.00	0.03	0.00	0.00			0.00	0.00000	0.0
	0.30	0.04	0.04	0.00	-0.01			-0.01	-0.00002	-0.8
	0.33	0.05	0.03	0.00	0.01			0.01	0.00002	0.7
	0.36	0.06	0.03	0.00	0.01			0.01	0.00002	0.9
	0.39	0.07	0.03	0.00	0.03			0.03	0.00006	3.0
	0.42	0.07	0.03	0.00	0.07			0.07	0.00015	7.1
	0.45	0.06	0.03	0.00	0.08			0.08	0.00012	5.8
	0.47	0.06	0.02	0.00	0.20			0.20	0.00018	8.7
	0.48	0.06	0.01	0.00	0.29			0.29	0.00017	8.4
	0.49	0.06	0.01	0.00	0.30			0.30	0.00018	8.7
	0.50	0.06	0.01	0.00	0.27			0.27	0.00016	7.8
	0.51	0.06	0.01	0.00	0.23			0.23	0.00014	6.7
	0.52	0.05	0.01	0.00	0.22			0.22	0.00011	5.3
	0.53	0.05	0.01	0.00	0.16			0.16	0.00008	3.9
	0.54	0.06	0.02	0.00	0.16			0.16	0.00014	7.0
	0.56	0.06	0.02	0.00	0.12			0.12	0.00014	7.0
	0.58	0.06	0.02	0.00	0.08			0.08	0.00010	4.6
	0.60	0.04	0.04	0.00	0.07			0.07	0.00010	4.7
	0.65	0.04	0.05	0.00	0.01			0.01	0.00002	1.0
	0.70	0.04	0.05	0.00	0.00			0.00	0.00000	0.0
	0.75	0.05	0.05	0.00	0.04			0.04	0.00010	4.8
	0.80	0.05	0.05	0.00	0.01			0.01	0.00003	1.2
	0.85	0.03	0.05	0.00	0.03			0.03	0.00005	2.2
	0.90	0.04	0.06	0.00	0.01			0.01	0.00002	1.2
Left Bank	0.97	0.00	0.04	0.00	0.00			0.00	0.00000	0.0
Total Q									0.00207	

Appendix B1-4. Discharge Measurements at East Tailings-Hydro in 2011

Date Monitored:	22-Aug-11				Discharge:		0.00 m³/s			
Start Time (24 hr):	8:50									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	99.454									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	0.59	0.00	0.02	0.00	0.00			0.00	0.00000	0.0
	0.62	0.04	0.03	0.00	0.01			0.01	0.00001	1.5
	0.65	0.04	0.03	0.00	0.02			0.02	0.00002	3.1
	0.68	0.04	0.03	0.00	0.04			0.04	0.00005	6.2
	0.71	0.04	0.03	0.00	0.18			0.18	0.00022	27.9
	0.74	0.04	0.03	0.00	0.11			0.11	0.00013	17.0
	0.77	0.04	0.04	0.00	0.06			0.06	0.00008	10.8
	0.81	0.04	0.04	0.00	0.05			0.05	0.00007	9.0
	0.84	0.03	0.03	0.00	0.06			0.06	0.00005	7.0
	0.87	0.03	0.03	0.00	0.04			0.04	0.00004	4.6
	0.90	0.03	0.03	0.00	0.03			0.03	0.00003	3.5
	0.93	0.02	0.03	0.00	0.05			0.05	0.00003	3.9
	0.96	0.02	0.03	0.00	0.00			0.00	0.00000	0.0
	0.99	0.02	0.03	0.00	-0.01			-0.01	-0.00001	-0.8
	1.02	0.02	0.03	0.00	-0.01			-0.01	-0.00001	-0.8
	1.05	0.02	0.03	0.00	0.02			0.02	0.00001	1.5
	1.08	0.02	0.03	0.00	0.03			0.03	0.00002	2.3
	1.11	0.02	0.03	0.00	0.02			0.02	0.00001	1.5
	1.14	0.02	0.03	0.00	0.02			0.02	0.00001	1.5
	1.17	0.01	0.03	0.00	0.00			0.00	0.00000	0.0
Left Bank	1.20	0.00	0.02	0.00	0.00			0.00	0.00000	0.0
Total Q									0.00078	

Appendix B1-4. Discharge Measurements at East Tailings-Hydro in 2011

Date Monitored:	19-Sep-11				Discharge:		0.02 m³/s			
Start Time (24 hr):	14:35									
End Time (24 hr):										
Personnel:	Jim Zettel and Craig Hatt									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	99.491									
	Station	Depth	Width	Area	60% Velocity	20% Velocity	80% Velocity	Velocity	Q	% of
Notes	(m)	(m)	(m)	(m²)	(m/s)	(m/s)	(m/s)	(m/s)	(m³/s)	Total Q
Right Bank	0.13	0.00	0.04	0.00	0.00			0.00	0.00	0.0
	0.20	0.06	0.06	0.00	-0.02			-0.02	0.00	-0.4
	0.25	0.06	0.05	0.00	0.03			0.03	0.00	0.5
	0.30	0.06	0.05	0.00	0.12			0.12	0.00	1.9
	0.35	0.06	0.05	0.00	0.21			0.21	0.00	3.4
	0.40	0.06	0.05	0.00	0.42			0.42	0.00	6.8
	0.45	0.06	0.05	0.00	0.29			0.29	0.00	4.7
	0.50	0.06	0.04	0.00	0.38			0.38	0.00	4.6
	0.53	0.06	0.03	0.00	0.41			0.41	0.00	3.3
	0.55	0.06	0.03	0.00	0.57			0.57	0.00	4.6
	0.58	0.06	0.03	0.00	0.60			0.60	0.00	4.8
	0.60	0.06	0.03	0.00	0.51			0.51	0.00	4.1
	0.63	0.06	0.03	0.00	0.60			0.60	0.00	4.8
	0.65	0.08	0.03	0.00	0.56			0.56	0.00	6.0
	0.68	0.07	0.03	0.00	0.63			0.63	0.00	5.9
	0.70	0.07	0.04	0.00	0.55			0.55	0.00	7.7
	0.75	0.07	0.05	0.00	0.32			0.32	0.00	6.0
	0.80	0.08	0.05	0.00	0.59			0.59	0.00	12.7
	0.85	0.09	0.05	0.00	0.56			0.56	0.00	13.5
	0.90	0.09	0.05	0.00	0.13			0.13	0.00	3.1
	0.95	0.07	0.05	0.00	0.10			0.10	0.00	1.9
Left Bank	1.00	0.00	0.03	0.00	0.00			0.00	0.00	0.0
Total Q									0.02	

Appendix B1-5. Discharge Measurements at Trout-Hydro in 2011

Date Monitored:	11-Jun-11					Discharge:					1.36 m³/s				
Start Time (24 hr):	12:00														
End Time (24 hr):															
Personnel:	Craig Hatt; Max Taylor														
Method:	Velocity-Area														
Instrument:	Flow Mate 2000 with top setting rod														
Stage:	97.889														
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q					
Right Bank	1.80	0.00	0.35	0.030	0.00			0.00	0.000	0.0					
	2.50	0.17	0.50	0.09	0.09			0.09	0.008	0.6					
	2.80	0.30	0.30	0.09	0.04			0.04	0.004	0.3					
	3.10	0.32	0.30	0.10	0.18			0.18	0.017	1.3					
	3.40	0.40	0.30	0.12	0.18			0.18	0.022	1.6					
	3.70	0.45	0.30	0.14	0.09			0.09	0.012	0.9					
	4.00	0.48	0.30	0.14	0.11			0.11	0.016	1.2					
	4.30	0.50	0.30	0.15	0.08			0.08	0.012	0.9					
	4.60	0.51	0.30	0.15	0.28			0.28	0.043	3.2					
	4.90	0.51	0.25	0.13	0.24			0.24	0.031	2.3					
	5.10	0.53	0.20	0.11	0.27			0.27	0.029	2.1					
	5.30	0.56	0.20	0.11	0.24			0.24	0.027	2.0					
	5.50	0.57	0.20	0.11	0.21			0.21	0.024	1.8					
	5.70	0.63	0.20	0.13	0.14			0.14	0.018	1.3					
	5.90	0.70	0.20	0.14	0.24			0.24	0.034	2.5					
	6.10	0.87	0.20	0.17		0.13	0.40	0.27	0.046	3.4					
	6.30	0.85	0.20	0.17		0.27	0.54	0.41	0.069	5.1					
	6.50	0.87	0.20	0.17		0.43	0.78	0.61	0.105	7.7					
	6.70	0.89	0.20	0.18		0.67	0.81	0.74	0.132	9.7					
	6.90	0.81	0.20	0.16		0.77	0.90	0.84	0.135	10.0					
	7.10	0.86	0.20	0.17		0.86	0.73	0.80	0.137	10.1					
	7.30	0.70	0.20	0.14	0.99			0.99	0.139	10.2					
	7.50	0.66	0.20	0.13	0.78			0.78	0.103	7.6					
	7.70	0.56	0.20	0.11	0.86			0.86	0.096	7.1					
	7.90	0.54	0.20	0.11	0.70			0.70	0.076	5.6					
	8.10	0.50	0.20	0.10	0.26			0.26	0.026	1.9					
	8.30	0.46	0.15	0.07	0.02			0.02	0.001	0.1					
Left Bank	8.40	0.00	0.05	0.01	0.00			0.00	0.000	0.0					
Total Q									1.36						

Appendix B1-5. Discharge Measurements at Trout-Hydro in 2011

Date Monitored:	19-Jun-11				Discharge:		2.13 m³/s			
Start Time (24 hr):	13:10									
End Time (24 hr):										
Personnel:	Craig Hatt; Max Taylor									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.292									
Notes	Station (m)	Depth (m)	Width (m)	Area (m ²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	0.80	0.00	0.50	0.06	0.00			0.00	0.00	0.0
	1.80	0.24	1.00	0.24	0.00			0.00	0.00	0.0
	2.80	0.39	0.70	0.27	0.00			0.00	0.00	0.0
	3.20	0.50	0.30	0.15	0.00			0.00	0.00	0.0
	3.40	0.60	0.20	0.12	0.00			0.00	0.00	0.0
	3.60	0.76	0.20	0.15		0.42	0.04	0.23	0.03	1.6
	3.80	0.66	0.20	0.13	0.13			0.13	0.02	0.8
	4.00	0.68	0.20	0.14	0.37			0.37	0.05	2.4
	4.20	0.70	0.20	0.14	0.76			0.76	0.11	5.0
	4.40	0.74	0.20	0.15	0.82			0.82	0.12	5.7
	4.60	0.72	0.20	0.14	0.99			0.99	0.14	6.7
	4.80	0.74	0.20	0.15	0.90			0.90	0.13	6.3
	5.00	0.80	0.20	0.16		1.58	0	0.79	0.13	5.9
	5.20	0.64	0.20	0.13	1.15			1.15	0.15	6.9
	5.40	0.80	0.20	0.16		1.59	0.42	1.01	0.16	7.6
	5.60	0.60	0.20	0.12	1.47			1.47	0.18	8.3
	5.80	0.50	0.20	0.10	1.31			1.31	0.13	6.2
	6.00	0.48	0.20	0.10	1.11			1.11	0.11	5.0
	6.20	0.54	0.20	0.11	0.67			0.67	0.07	3.4
	6.40	0.46	0.20	0.09	0.52			0.52	0.05	2.2
	6.60	0.50	0.20	0.10	0.43			0.43	0.04	2.0
	6.80	0.48	0.20	0.10	0.41			0.41	0.04	1.8
	7.00	0.40	0.20	0.08	0.49			0.49	0.04	1.8
	7.20	0.34	0.20	0.07	0.36			0.36	0.02	1.1
	7.40	0.40	0.20	0.08	0.23			0.23	0.02	0.9
	7.60	0.40	0.60	0.24	0.13			0.13	0.03	1.5
	8.60	0.44	1.00	0.44	0.13			0.13	0.06	2.7
	9.60	0.22	1.00	0.22	0.08			0.08	0.02	0.8
	10.60	0.46	1.00	0.46	0.07			0.07	0.03	1.5
	11.60	0.45	1.00	0.45	0.03			0.03	0.01	0.6
	12.60	0.42	1.00	0.42	0.00			0.00	0.00	0.0
	13.60	0.38	1.00	0.38	0.03			0.03	0.01	0.5
	14.60	0.37	1.00	0.37	0.14			0.14	0.05	2.4
	15.60	0.58	1.00	0.58	0.12			0.12	0.07	3.3
	16.60	0.54	1.00	0.54	0.08			0.08	0.04	2.0
	17.60	0.46	0.90	0.41	0.08			0.08	0.03	1.6
	18.40	0.39	0.95	0.37	0.08			0.08	0.03	1.4
Left Bank	19.50	0.00	0.55	0.11	0.00			0.00	0.00	0.0
Total Q									2.13	

Appendix B1-5. Discharge Measurements at Trout-Hydro in 2011

Date Monitored:	19-Jul-11		Discharge:		0.06 m³/s					
Start Time (24 hr):	9:25									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.357									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Left Bank	1.90	0.00	0.04	0.00	0.00			0.00	0.000	0.0
	1.82	0.14	0.08	0.01	0.02			0.02	0.000	0.4
	1.74	0.14	0.08	0.01	0.10			0.10	0.001	2.0
	1.66	0.18	0.08	0.01	0.13			0.13	0.002	3.3
	1.58	0.18	0.08	0.01	0.18			0.18	0.003	4.6
	1.50	0.20	0.08	0.02	0.20			0.20	0.003	5.7
	1.42	0.24	0.08	0.02	0.25			0.25	0.005	8.6
	1.34	0.24	0.06	0.01	0.27			0.27	0.004	6.9
	1.30	0.26	0.04	0.01	0.29			0.29	0.003	5.4
	1.26	0.19	0.06	0.01	0.31			0.31	0.004	6.3
	1.18	0.20	0.08	0.02	0.29			0.29	0.005	8.3
	1.10	0.24	0.08	0.02	0.17			0.17	0.003	5.8
	1.02	0.20	0.06	0.01	0.27			0.27	0.003	5.8
	0.98	0.21	0.04	0.01	0.35			0.35	0.003	5.2
	0.94	0.20	0.04	0.01	0.37			0.37	0.003	5.3
	0.90	0.21	0.04	0.01	0.38			0.38	0.003	5.7
	0.86	0.21	0.06	0.01	0.33			0.33	0.004	7.4
	0.78	0.20	0.08	0.02	0.23			0.23	0.004	6.6
	0.70	0.20	0.08	0.02	0.13			0.13	0.002	3.7
	0.62	0.13	0.08	0.01	0.09			0.09	0.001	1.7
	0.54	0.12	0.08	0.01	0.05			0.05	0.000	0.9
	0.46	0.09	0.09	0.01	0.03			0.03	0.000	0.4
Right Bank	0.37	0.00	0.05	0.00	0.00			0.00	0.000	0.0
Total Q									0.056	

Appendix B1-5. Discharge Measurements at Trout-Hydro in 2011

Date Monitored:	20-Aug-11				Discharge:		0.01 m³/s			
Start Time (24 hr):	15:15									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.322									
	Station	Depth	Width	Area	60% Velocity	20% Velocity	80% Velocity	Velocity	Q	% of
Notes	(m)	(m)	(m)	(m²)	(m/s)	(m/s)	(m/s)	(m/s)	(m³/s)	Total Q
Right Bank	0.20	0.04	0.05	0.00	-0.01			-0.01	0.00	-0.2
	0.30	0.08	0.10	0.01	-0.01			-0.01	0.00	-0.6
	0.40	0.14	0.08	0.01	0.00			0.00	0.00	0.0
	0.45	0.15	0.08	0.01	0.02			0.02	0.00	1.6
	0.55	0.16	0.08	0.01	0.07			0.07	0.00	5.9
	0.60	0.16	0.05	0.01	0.13			0.13	0.00	7.3
	0.65	0.16	0.05	0.01	0.14			0.14	0.00	7.8
	0.70	0.19	0.05	0.01	0.11			0.11	0.00	7.3
	0.75	0.20	0.05	0.01	0.09			0.09	0.00	6.3
	0.80	0.20	0.05	0.01	0.10			0.10	0.00	7.0
	0.85	0.20	0.05	0.01	0.10			0.10	0.00	7.0
	0.90	0.20	0.05	0.01	0.08			0.08	0.00	5.6
	0.95	0.22	0.05	0.01	0.06			0.06	0.00	4.6
	1.00	0.18	0.05	0.01	0.11			0.11	0.00	6.9
	1.05	0.22	0.05	0.01	0.09			0.09	0.00	6.9
	1.10	0.18	0.05	0.01	0.09			0.09	0.00	5.7
	1.15	0.18	0.05	0.01	0.10			0.10	0.00	6.3
	1.20	0.16	0.05	0.01	0.09			0.09	0.00	5.0
	1.25	0.16	0.05	0.01	0.11			0.11	0.00	6.2
	1.30	0.14	0.05	0.01	0.04			0.04	0.00	2.0
	1.35	0.13	0.08	0.01	0.03			0.03	0.00	2.0
	1.45	0.12	0.08	0.01	0.00			0.00	0.00	0.0
	1.50	0.09	0.09	0.01	-0.01			-0.01	0.00	-0.5
Left Bank	1.62	0.00	0.06	0.00	0.00			0.00	0.00	0.0
Total Q									0.01	

Appendix B1-5. Discharge Measurements at Trout-Hydro in 2011

Date Monitored:	20-Sep-11		Discharge:		0.15 m³/s					
Start Time (24 hr):	12:10									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.405									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	2.00	0.00	0.05	0.00	0.00			0.00	0.00	0.0
	2.10	0.10	0.10	0.01	0.01			0.01	0.00	0.1
	2.20	0.14	0.10	0.01	0.01			0.01	0.00	0.1
	2.30	0.18	0.10	0.02	0.16			0.16	0.00	1.9
	2.40	0.26	0.10	0.03	0.30			0.30	0.01	5.1
	2.50	0.26	0.08	0.02	0.46			0.46	0.01	5.9
	2.55	0.28	0.05	0.01	0.62			0.62	0.01	5.7
	2.60	0.28	0.05	0.01	0.66			0.66	0.01	6.1
	2.65	0.28	0.05	0.01	0.65			0.65	0.01	6.0
	2.70	0.28	0.05	0.01	0.55			0.55	0.01	5.1
	2.75	0.28	0.05	0.01	0.52			0.52	0.01	4.8
	2.80	0.30	0.05	0.02	0.55			0.55	0.01	5.4
	2.85	0.31	0.05	0.02	0.59			0.59	0.01	6.0
	2.90	0.32	0.05	0.02	0.52			0.52	0.01	5.5
	2.95	0.32	0.05	0.02	0.48			0.48	0.01	5.0
	3.00	0.33	0.05	0.02	0.42			0.42	0.01	4.5
	3.05	0.32	0.05	0.02	0.36			0.36	0.01	3.8
	3.10	0.32	0.08	0.02	0.37			0.37	0.01	5.8
	3.20	0.30	0.10	0.03	0.39			0.39	0.01	7.7
	3.30	0.28	0.10	0.03	0.44			0.44	0.01	8.1
	3.40	0.24	0.10	0.02	0.35			0.35	0.01	5.5
	3.50	0.20	0.10	0.02	0.14			0.14	0.00	1.8
	3.60	0.20	0.10	0.02	0.02			0.02	0.00	0.3
	3.70	0.10	0.13	0.01	0.00			0.00	0.00	0.0
Left Bank	3.85	0.00	0.08	0.00	0.00			0.00	0.00	0.0
Total Q									0.15	

Appendix B1-6. Discharge Measurements at Stickleback-Hydro in 2011

Date Monitored:	19-Jun-11		Discharge:		0.11 m³/s					
Start Time (24 hr):	15:00									
End Time (24 hr):										
Personnel:	Craig Hatt; Max Taylor									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.524									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	3.50	0.00	0.13	0.01	0.00			0.00	0.00	0.0
	3.75	0.16	0.25	0.04	0.08			0.08	0.00	2.9
	4.00	0.16	0.25	0.04	0.04			0.04	0.00	1.4
	4.25	0.20	0.25	0.05	0.10			0.10	0.01	4.5
	4.50	0.20	0.25	0.05	0.04			0.04	0.00	1.8
	4.75	0.22	0.25	0.06	0.02			0.02	0.00	1.0
	5.00	0.26	0.23	0.06	0.00			0.00	0.00	0.0
	5.20	0.30	0.20	0.06	0.01			0.01	0.00	0.5
	5.40	0.30	0.20	0.06	0.04			0.04	0.00	2.1
	5.60	0.30	0.15	0.05	0.17			0.17	0.01	6.8
	5.70	0.28	0.10	0.03	0.19			0.19	0.01	4.7
	5.80	0.26	0.10	0.03	0.21			0.21	0.01	4.9
	5.90	0.28	0.10	0.03	0.16			0.16	0.00	4.0
	6.00	0.30	0.10	0.03	0.24			0.24	0.01	6.4
	6.10	0.30	0.10	0.03	0.26			0.26	0.01	7.0
	6.20	0.30	0.10	0.03	0.26			0.26	0.01	7.0
	6.30	0.29	0.10	0.03	0.22			0.22	0.01	5.7
	6.40	0.26	0.10	0.03	0.15			0.15	0.00	3.5
	6.50	0.28	0.10	0.03	0.09			0.09	0.00	2.2
	6.60	0.30	0.10	0.03	0.11			0.11	0.00	2.9
	6.70	0.45	0.10	0.05	0.17			0.17	0.01	6.8
	6.80	0.50	0.10	0.05	0.23			0.23	0.01	10.3
	6.90	0.49	0.10	0.05	0.15			0.15	0.01	6.6
	7.00	0.40	0.15	0.06	0.09			0.09	0.01	4.8
	7.20	0.30	0.20	0.06	0.02			0.02	0.00	1.1
	7.40	0.28	0.23	0.06	0.02			0.02	0.00	1.1
	7.65	0.26	0.30	0.08	0.00			0.00	0.00	0.0
	8.00	0.20	0.68	0.14	0.00			0.00	0.00	0.0
	9.00	0.08	1.25	0.10	0.00			0.00	0.00	0.0
Left Bank	10.50	0.00	0.75	0.03	0.00			0.00	0.00	0.0
Total Q									0.11	

Appendix B1-6. Discharge Measurements at Stickleback-Hydro in 2011

Date Monitored:	22-Jun-11	Discharge:				0.08 m³/s				
Start Time (24 hr):	9:45									
End Time (24 hr):										
Personnel:	Craig Hatt; Max Taylor									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage*:	97.745									
*Water height taken from a location farther upstream										
	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Notes										
Right Bank	4.50	0.00	0.20	0.01	0.00			0.00	0.00	0.0
	4.10	0.11	0.28	0.03	0.01			0.01	0.00	0.4
	3.95	0.2	0.11	0.02	0.07			0.07	0.00	1.8
	3.88	0.22	0.08	0.02	0.14			0.14	0.00	2.8
	3.80	0.25	0.09	0.02	0.23			0.23	0.01	6.2
	3.70	0.28	0.10	0.03	0.25			0.25	0.01	8.3
	3.60	0.36	0.10	0.04	0.17			0.17	0.01	7.3
	3.50	0.38	0.10	0.04	0.12			0.12	0.00	5.4
	3.40	0.37	0.10	0.04	0.22			0.22	0.01	9.7
	3.30	0.34	0.08	0.03	0.21			0.21	0.01	6.4
	3.25	0.34	0.05	0.02	0.38			0.38	0.01	7.7
	3.20	0.34	0.05	0.02	0.47			0.47	0.01	9.5
	3.15	0.36	0.05	0.02	0.43			0.43	0.01	9.2
	3.10	0.99	0.05	0.05		0.38	-0.04	0.17	0.01	10.0
	3.05	0.90	0.05	0.05		0.35	-0.05	0.15	0.01	8.0
	3.00	0.89	0.08	0.07		0.26	-0.05	0.11	0.01	8.4
	2.90	0.84	0.10	0.08		0.16	-0.04	0.06	0.01	6.0
	2.80	0.81	0.10	0.08		0.14	-0.04	0.05	0.00	4.8
	2.70	0.74	0.10	0.07	-0.02			-0.02	0.00	-1.8
	2.60	0.70	0.10	0.07	-0.02			-0.02	0.00	-1.7
	2.50	0.66	0.10	0.07	-0.03			-0.03	0.00	-2.4
	2.40	0.68	0.10	0.07	-0.03			-0.03	0.00	-2.4
	2.30	0.64	0.10	0.06	-0.01			-0.01	0.00	-0.8
	2.20	0.60	0.10	0.06	-0.01			-0.01	0.00	-0.7
	2.10	0.38	0.10	0.04	-0.02			-0.02	0.00	-0.9
	2.00	0.30	0.10	0.03	-0.02			-0.02	0.00	-0.7
	1.90	0.28	0.20	0.06	-0.01			-0.01	0.00	-0.7
Left Bank	1.60	0.00	0.15	0.02	0.00			0.00	0.00	0.0
Total Q									0.08	

Appendix B1-6. Discharge Measurements at Stickleback-Hydro in 2011

Date Monitored:	19-Jul-11		Discharge:		0.03 m³/s					
Start Time (24 hr):	11:00									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.368									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Left Bank	1.50	0.00	0.03	0.0015	0.00			0.00	0.0000	0.0
	1.45	0.12	0.05	0.0060	0.02			0.02	0.0001	0.4
	1.40	0.20	0.05	0.0110	0.05			0.05	0.0005	1.6
	1.34	0.32	0.05	0.0160	0.09			0.09	0.0014	4.2
	1.30	0.33	0.04	0.0132	0.13			0.13	0.0017	5.0
	1.26	0.33	0.04	0.0132	0.15			0.15	0.0020	5.8
	1.22	0.34	0.04	0.0136	0.17			0.17	0.0023	6.7
	1.18	0.33	0.04	0.0132	0.21			0.21	0.0028	8.1
	1.14	0.32	0.04	0.0128	0.22			0.22	0.0028	8.2
	1.10	0.32	0.04	0.0128	0.18			0.18	0.0023	6.7
	1.06	0.30	0.04	0.0120	0.21			0.21	0.0025	7.4
	1.02	0.28	0.04	0.0112	0.24			0.24	0.0027	7.8
	0.98	0.27	0.04	0.0108	0.21			0.21	0.0023	6.6
	0.94	0.24	0.04	0.0096	0.18			0.18	0.0017	5.0
	0.90	0.21	0.05	0.0095	0.18			0.18	0.0017	5.0
	0.85	0.18	0.05	0.0090	0.13			0.13	0.0012	3.4
	0.80	0.16	0.08	0.0120	0.12			0.12	0.0014	4.2
	0.70	0.16	0.10	0.0160	0.13			0.13	0.0021	6.1
	0.60	0.12	0.10	0.0120	0.10			0.10	0.0012	3.5
	0.50	0.10	0.10	0.0100	0.05			0.05	0.0005	1.5
	0.40	0.09	0.24	0.0212	0.04			0.04	0.0008	2.5
	0.03	0.06	0.19	0.0114	0.01			0.01	0.0001	0.3
Right Bank	0.02	0.00	0.01	0.0002	0.00			0.00	0.0000	0.0
Total Q									0.03	

Appendix B1-6. Discharge Measurements at Stickleback-Hydro in 2011

Date Monitored:	22-Aug-11	Discharge:		0.00 m³/s						
Start Time (24 hr):	14:35									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.219									
Notes	Station (m)	Depth (m)	Width (m)	Area (m²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	0.47	0.00	0.04	0.00	0.00			0.00	0.0000	0.0
	0.55	0.11	0.06	0.01	-0.02			-0.02	-0.0001	-10.1
	0.58	0.12	0.03	0.00	-0.02			-0.02	-0.0001	-6.0
	0.61	0.14	0.03	0.00	-0.02			-0.02	-0.0001	-7.0
	0.64	0.16	0.03	0.00	-0.01			-0.01	0.0000	-4.0
	0.67	0.18	0.03	0.01	-0.02			-0.02	-0.0001	-9.0
	0.70	0.20	0.03	0.01	-0.01			-0.01	-0.0001	-5.0
	0.73	0.20	0.03	0.01	-0.02			-0.02	-0.0001	-10.0
	0.76	0.22	0.03	0.01	-0.02			-0.02	-0.0001	-11.0
	0.79	0.22	0.03	0.01	-0.01			-0.01	-0.0001	-5.5
	0.82	0.22	0.03	0.01	-0.01			-0.01	-0.0001	-5.5
	0.85	0.22	0.03	0.01	-0.01			-0.01	-0.0001	-5.5
	0.88	0.23	0.02	0.01	0.06			0.06	0.0003	25.8
	0.90	0.24	0.02	0.00	0.05			0.05	0.0002	15.0
	0.91	0.24	0.02	0.00	0.06			0.06	0.0002	17.9
	0.93	0.24	0.02	0.00	0.09			0.09	0.0003	26.9
	0.94	0.24	0.02	0.00	0.08			0.08	0.0003	23.9
	0.96	0.24	0.02	0.00	0.09			0.09	0.0003	26.9
	0.97	0.24	0.02	0.00	0.06			0.06	0.0002	17.9
	0.99	0.24	0.02	0.00	0.05			0.05	0.0002	15.0
	1.00	0.24	0.02	0.01	0.02			0.02	0.0001	9.0
Left Bank	1.03	0.00	0.02	0.00	0.00			0.00	0.0000	0.0
Total Q									0.0012	

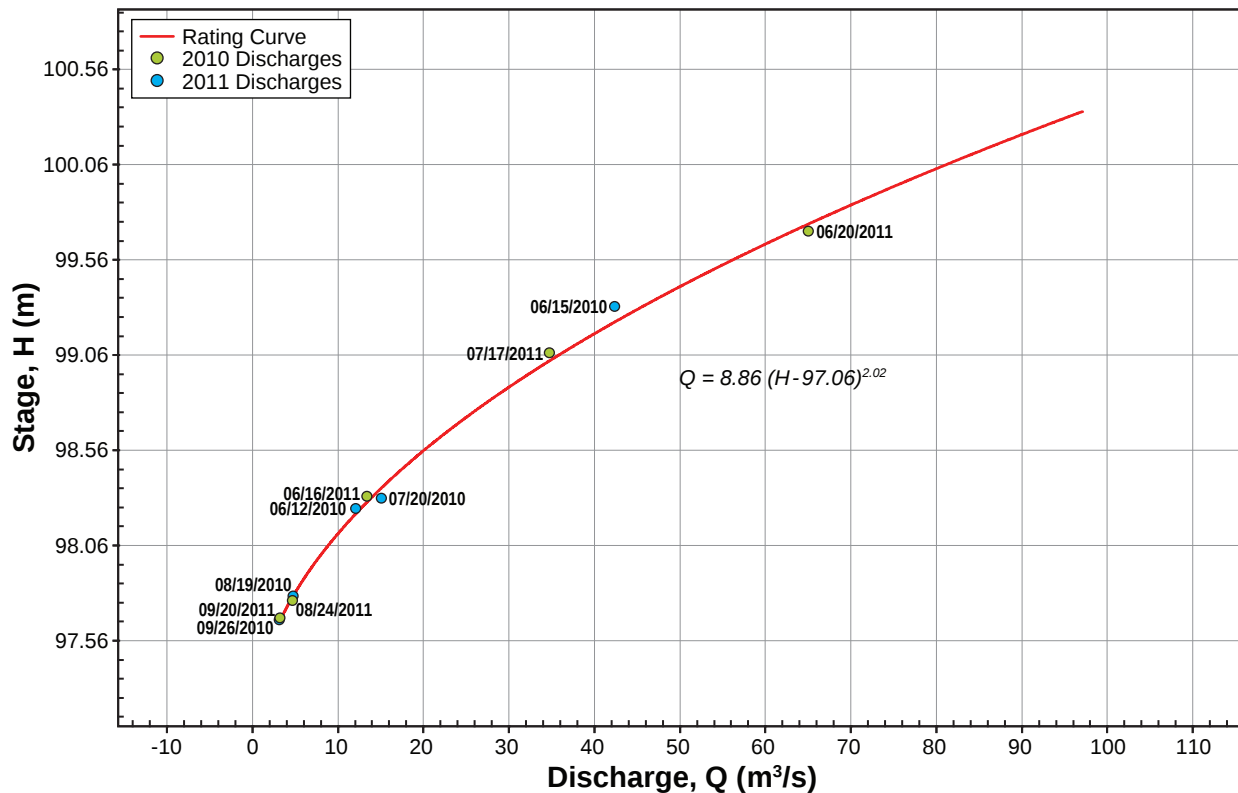
Date Monitored:	20-Sep-11				Discharge:		0.01 m³/s			
Start Time (24 hr):	13:40									
End Time (24 hr):										
Personnel:	Craig Hatt and Assistant									
Method:	Velocity-Area									
Instrument:	Flow Mate 2000 with top setting rod									
Stage:	97.283									
Notes	Station (m)	Depth (m)	Width (m)	Area (m ²)	60% Velocity (m/s)	20% Velocity (m/s)	80% Velocity (m/s)	Velocity (m/s)	Q (m³/s)	% of Total Q
Right Bank	0.10	0.00	0.02	0.00	0.00			0.00	0.0000	0.0
	0.13	0.04	0.03	0.00	0.01			0.01	0.0000	0.2
	0.16	0.05	0.03	0.00	0.08			0.08	0.0001	2.2
	0.19	0.06	0.03	0.00	0.16			0.16	0.0003	5.2
	0.22	0.08	0.03	0.00	0.13			0.13	0.0003	5.6
	0.25	0.11	0.03	0.00	0.21			0.21	0.0007	12.5
	0.28	0.14	0.03	0.00	0.16			0.16	0.0007	12.1
	0.31	0.17	0.03	0.01	0.17			0.17	0.0009	15.6
	0.34	0.18	0.03	0.01	0.14			0.14	0.0008	13.6
	0.37	0.18	0.03	0.01	0.15			0.15	0.0008	14.6
	0.40	0.14	0.03	0.00	0.13			0.13	0.0005	9.8
	0.43	0.12	0.03	0.00	0.08			0.08	0.0003	5.2
	0.46	0.08	0.03	0.00	0.07			0.07	0.0002	3.0
	0.49	0.05	0.03	0.00	0.01			0.01	0.0000	0.3
	0.52	0.04	0.03	0.00	0.00			0.00	0.0000	0.0
Left Bank	0.55	0.00	0.02	0.00	0.00			0.00	0.0000	0.0
Total Q									0.0055	

Appendix B2

Rating Curves
Boston Area



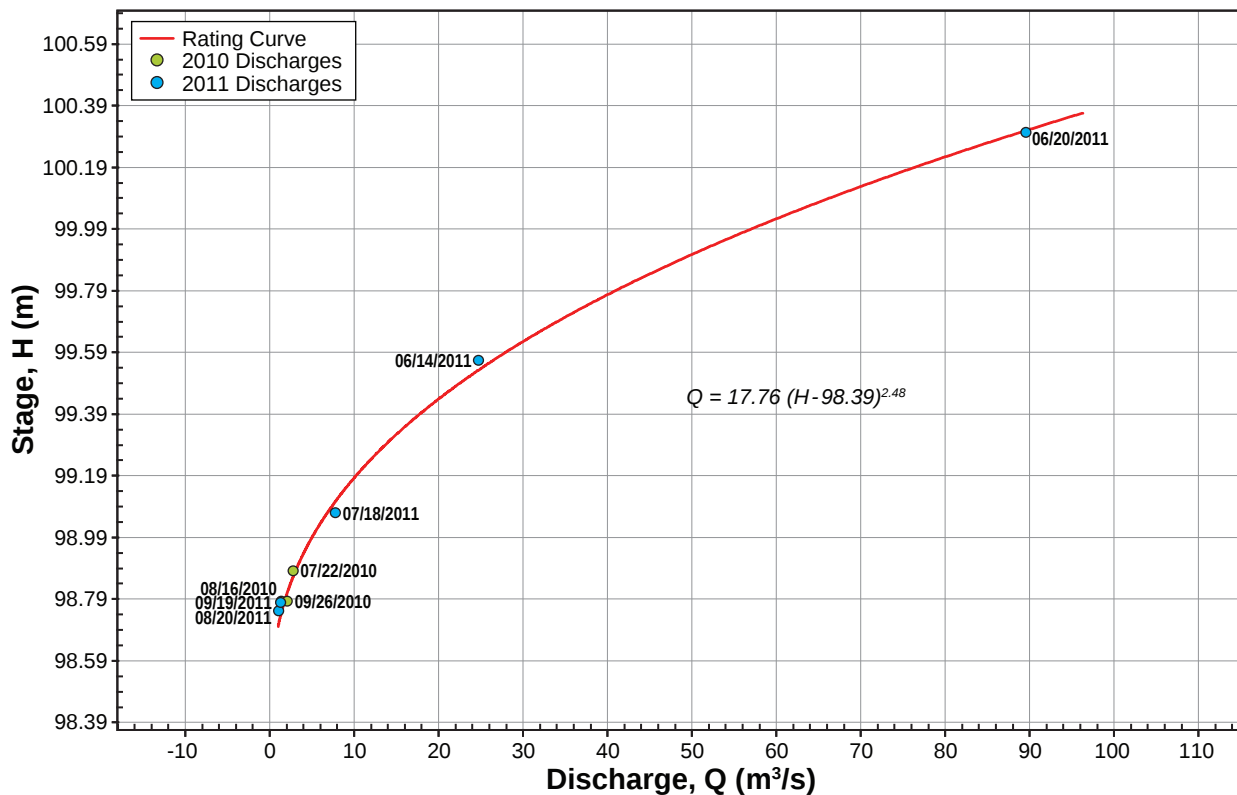
Aimaokatalak Lake outflow facing downstream and west from the hydrometric station. Note how the flow is confined to the main channel the control section can be observed where water becomes more turbulent. Aimaokatalak Lake outflow flows into the Koignuk River shown in the background of the photograph. Photograph taken on July 17, 2011.



Note: pressure transducer stage readings are referenced to datum



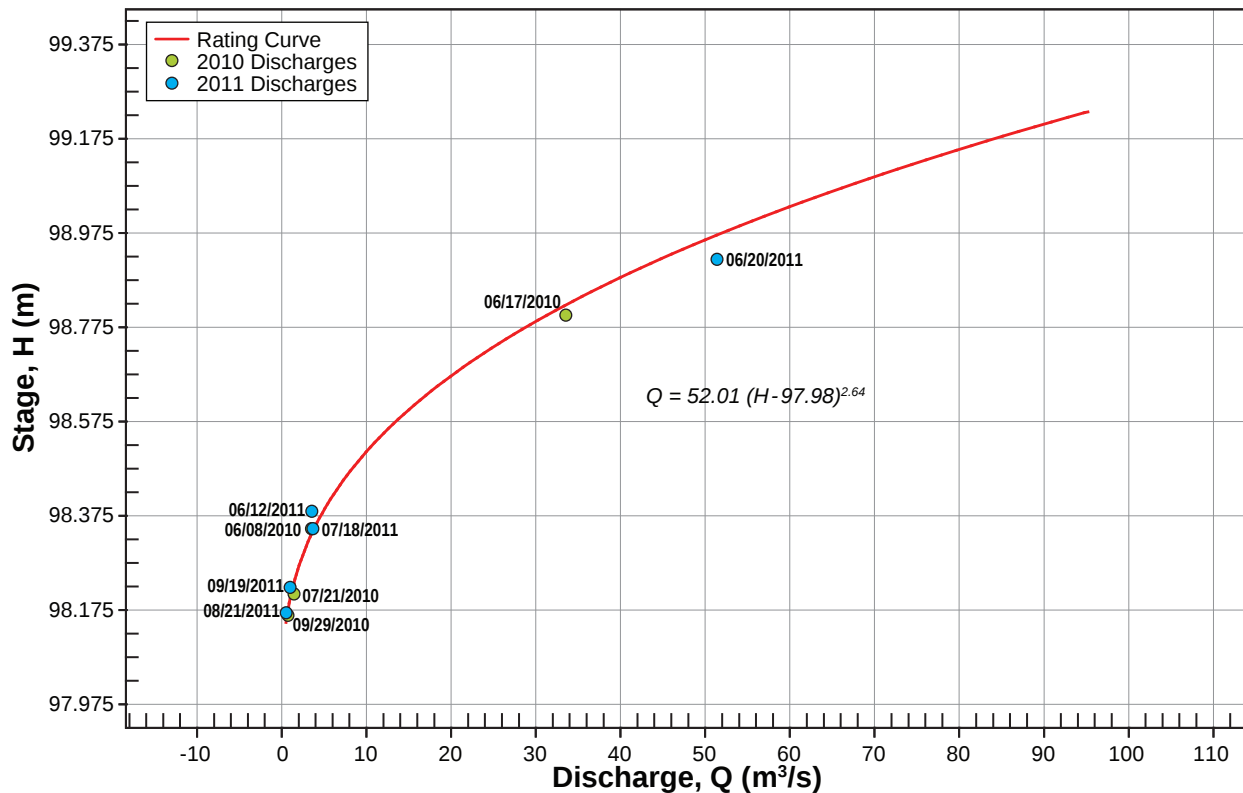
Aimaokatalak inflow facing upstream and south at the hydrometric station. Note how the flow is confined to the main channel during low to medium flow conditions. During high flow conditions the channel overflows into grass-covered flood terraces that can be observed alongside the right bank on the background in the photograph. Photograph taken on August 20, 2011.



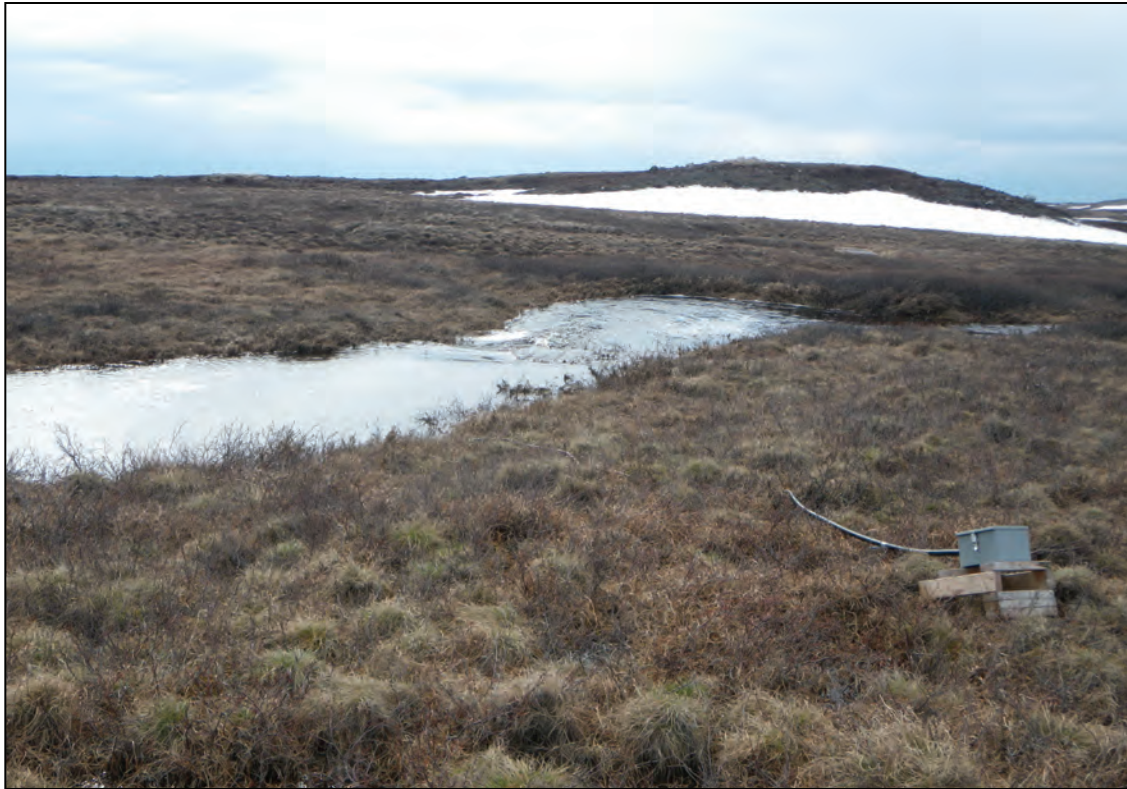
Note: pressure transducer stage readings are referenced to datum



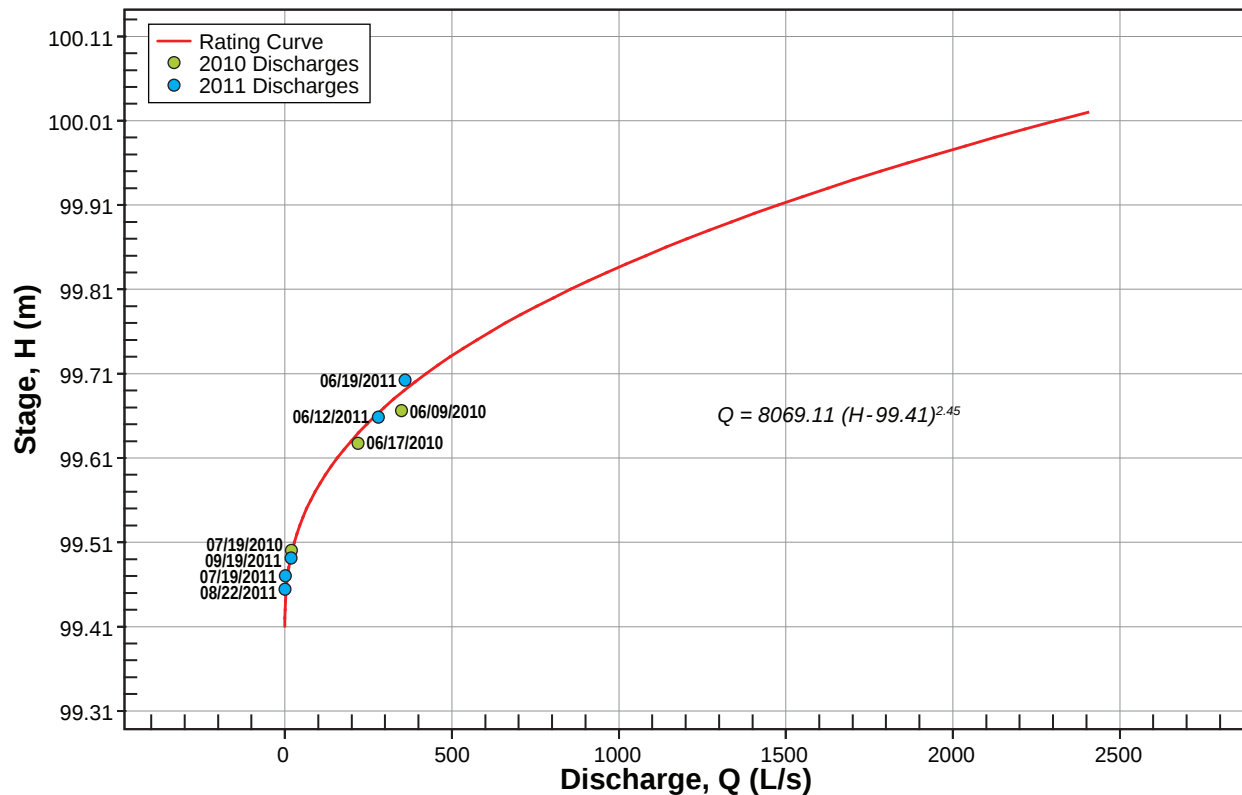
East Aimaokatalak outflow facing upstream and southeast at the hydrometric station. The hydrometric station is located on a relatively narrow section along the banks of the eastern tributary of Aimaokatalok Lake. Note how the flow is confined to the main channel during low to medium flow conditions. During high flow conditions the channel overflows into grass-covered flood terraces that can be observed alongside the right bank on the background in the photograph. Photograph taken on September 19, 2011.



Note: pressure transducer stage readings are referenced to datum



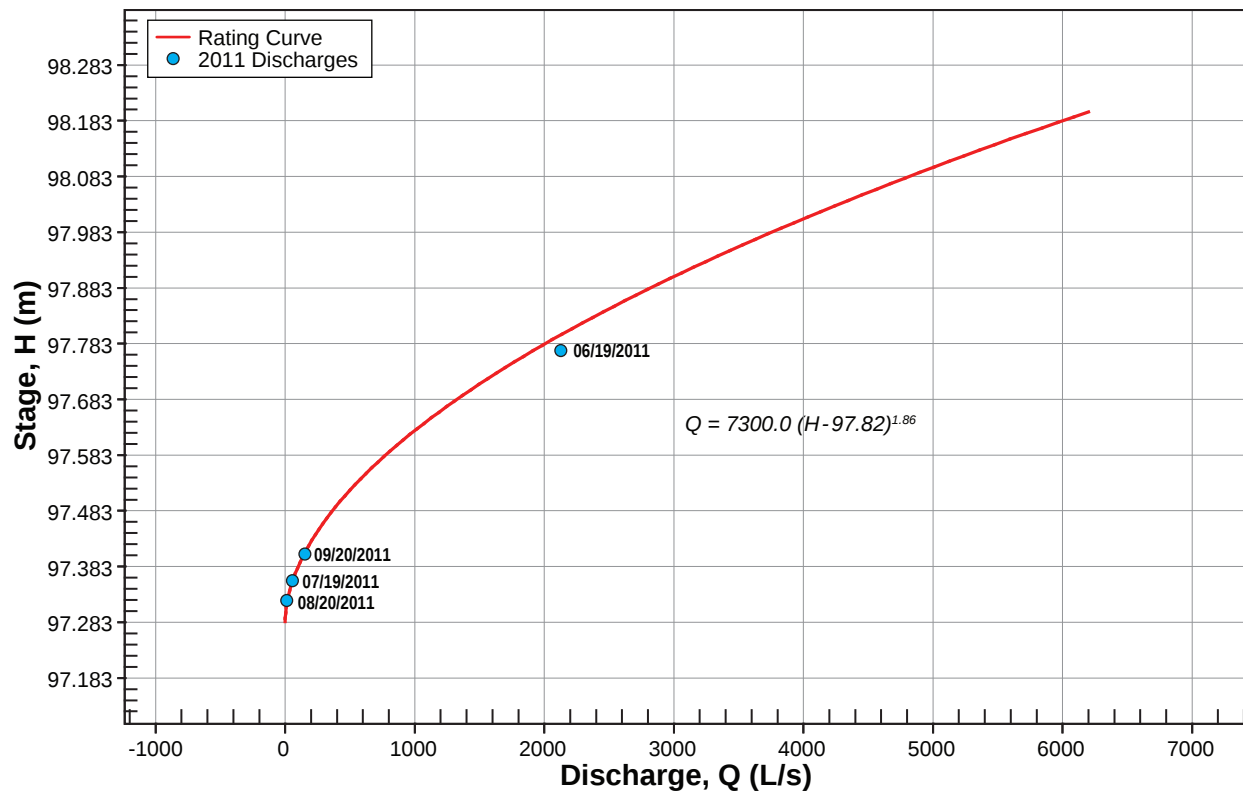
East Tailings tributary facing northwest at the hydrometric station. The direction of flow is from left to right in the photo. Note how the flow is well confined to the main channel. During low flow conditions the flow between the pools almost ceases. Photograph taken on June 19, 2011.



Note: pressure transducer stage readings are referenced to datum



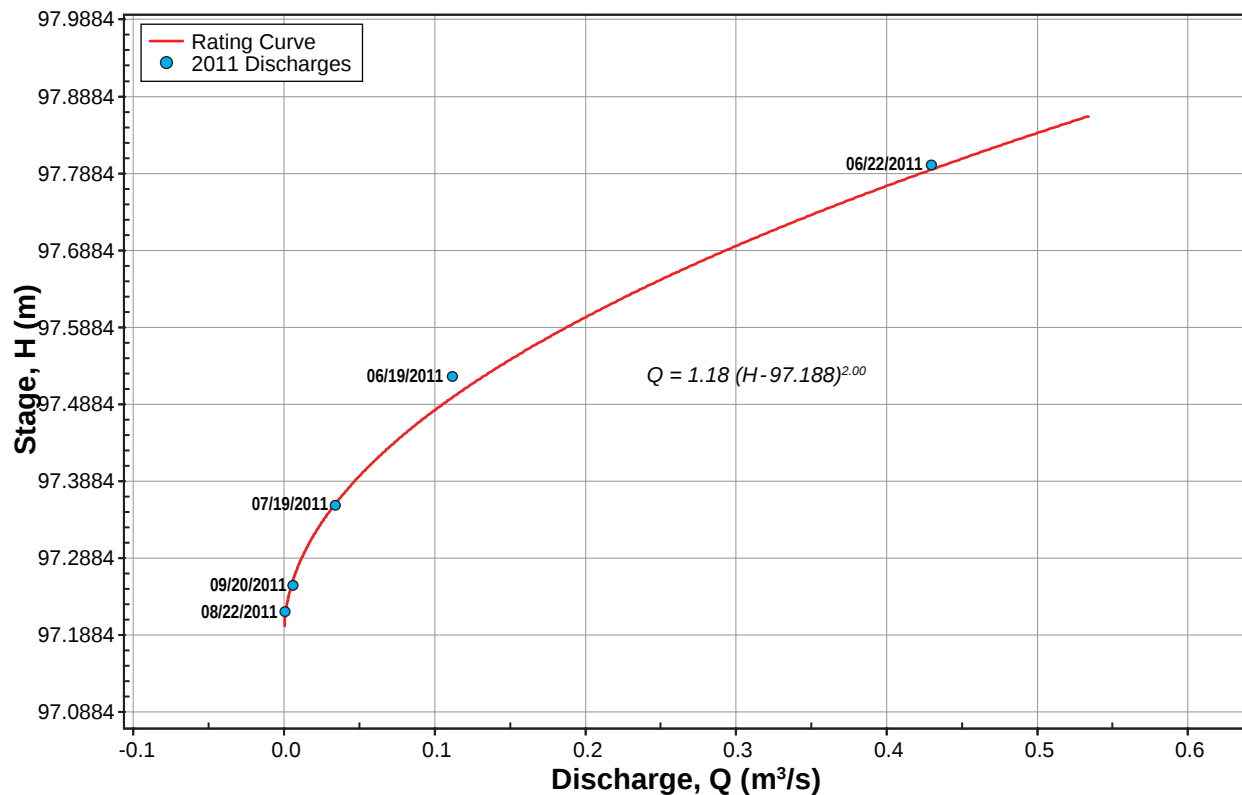
Trout Lake outflow facing downstream and northeast at the hydrometric station. Note how the flow is well confined to the main channel, during low to medium flow conditions. During high flow conditions the channel overflows into grass-covered flood terraces along each side of the channel. Photograph taken on July 19, 2011.



Note: pressure transducer stage readings are referenced to datum



Stickleback Lake outflow facing downstream and northeast at the hydrometric station. Note how the channel is very narrow and the flow is well confined to the main channel during low to medium flow conditions. During high flow conditions the channel overflows into surrounding grass-covered flood terrace. Photograph taken on July 19, 2011.



Note: pressure transducer stage readings are referenced to datum

Appendix B3

Summary of Survey Information Boston Area

Appendix B3. Summary of Survey Control Points Used at the Hydrometric Stations

Station ID	Survey Point	Elevation (m)	Date	Notes
Aimao Out - Hydro	Benchmark 71	100.000	17-Jul-11	site-specific arbitrary elevation
	Benchmark 70	100.080		
	Pressure transducer	97.131		
Aimao In - Hydro	Benchmark 72	100.000	19-Sep-11	site-specific arbitrary elevation
	Benchmark 73	100.200		
	Benchmark 74	101.129		
	Pressure transducer	98.558		
East Aimao - Hydro	Benchmark 75	100.000	19-Sep-11	site-specific arbitrary elevation
	Benchmark 76	99.958		
	Benchmark 21	100.058		
	Pressure transducer	97.823		
East Tail - Hydro	Benchmark 77	100.000	22-Aug-11	site-specific arbitrary elevation
	Benchmark 78	100.911		
	Benchmark 79	101.615		
	Pressure transducer	97.995		
Trout - Hydro	Benchmark 90	100.000	20-Sep-11	site-specific arbitrary elevation
	Benchmark 91	100.061		
	Benchmark 92	99.981		
	Pressure transducer	96.651		
Stickleback - Hydro	Benchmark 85	100.000	20-Sep-11	site-specific arbitrary elevation
	Benchmark 86	99.535		
	Benchmark 87	99.874		
	Pressure transducer	96.693		

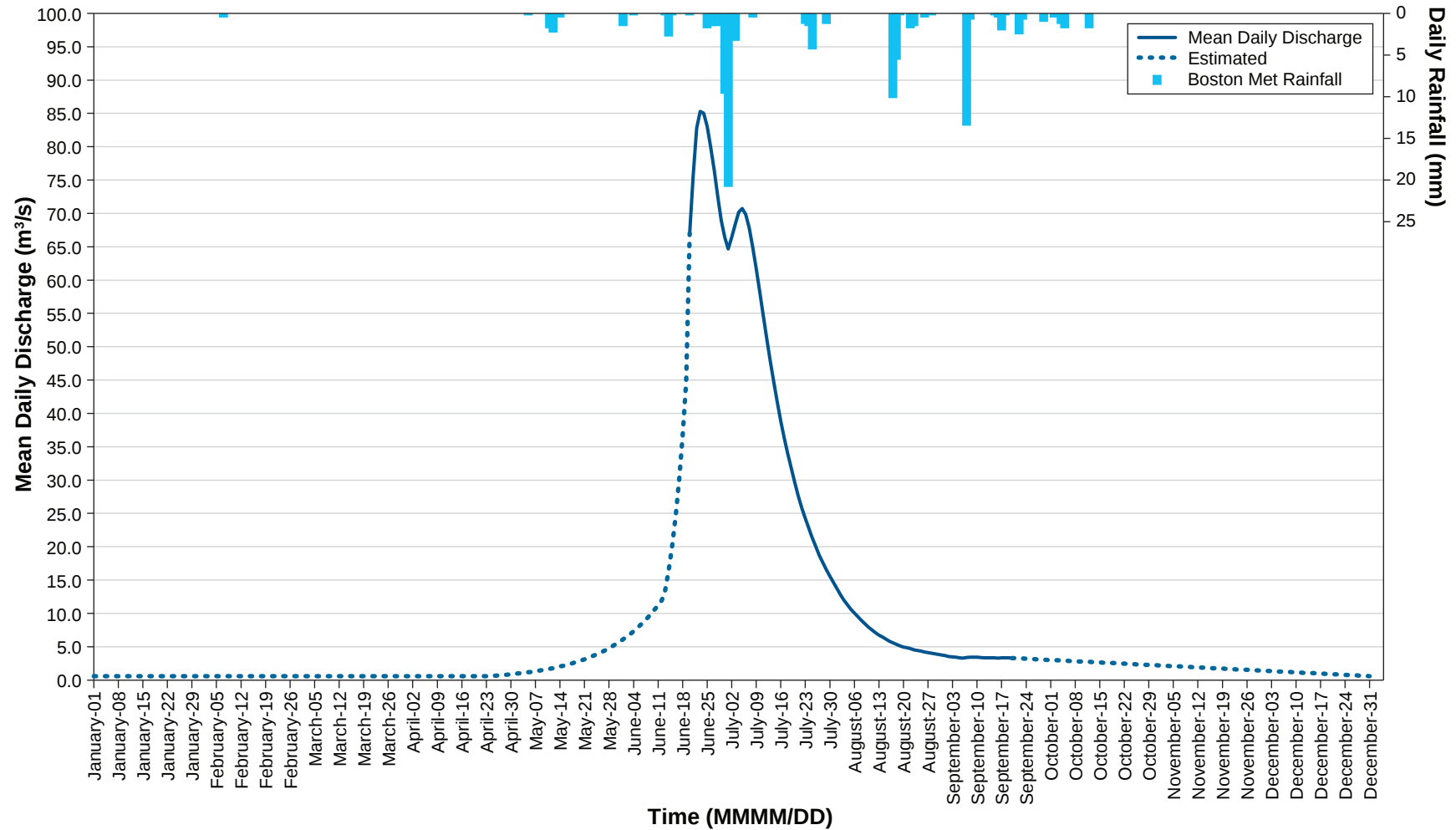
Appendix B4

Hydrographs
Boston Area

Appendix B4-1. Summary of Daily Mean Discharge [Q] at Aimao Out-Hydro

Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)
1-Jan	0.60	1-Mar	0.60	1-May	0.92	1-Jul	64.68	1-Sep	3.64
2-Jan	0.60	2-Mar	0.60	2-May	0.98	2-Jul	66.43	2-Sep	3.54
3-Jan	0.60	3-Mar	0.60	3-May	1.04	3-Jul	68.35	3-Sep	3.46
4-Jan	0.60	4-Mar	0.60	4-May	1.10	4-Jul	70.18	4-Sep	3.42
5-Jan	0.60	5-Mar	0.60	5-May	1.17	5-Jul	70.75	5-Sep	3.35
6-Jan	0.60	6-Mar	0.60	6-May	1.25	6-Jul	69.87	6-Sep	3.28
7-Jan	0.60	7-Mar	0.60	7-May	1.33	7-Jul	67.83	7-Sep	3.37
8-Jan	0.60	8-Mar	0.60	8-May	1.41	8-Jul	64.95	8-Sep	3.41
9-Jan	0.60	9-Mar	0.60	9-May	1.50	9-Jul	61.74	9-Sep	3.42
10-Jan	0.60	10-Mar	0.60	10-May	1.59	10-Jul	58.27	10-Sep	3.41
11-Jan	0.60	11-Mar	0.60	11-May	1.69	11-Jul	54.74	11-Sep	3.38
12-Jan	0.60	12-Mar	0.60	12-May	1.80	12-Jul	51.27	12-Sep	3.36
13-Jan	0.60	13-Mar	0.60	13-May	1.91	13-Jul	47.90	13-Sep	3.35
14-Jan	0.60	14-Mar	0.60	14-May	2.03	14-Jul	44.77	14-Sep	3.32
15-Jan	0.60	15-Mar	0.60	15-May	2.16	15-Jul	41.76	15-Sep	3.32
16-Jan	0.60	16-Mar	0.60	16-May	2.30	16-Jul	38.92	16-Sep	3.30
17-Jan	0.60	17-Mar	0.60	17-May	2.44	17-Jul	36.30	17-Sep	3.35
18-Jan	0.60	18-Mar	0.60	18-May	2.60	18-Jul	33.98	18-Sep	3.34
19-Jan	0.60	19-Mar	0.60	19-May	2.76	19-Jul	31.81	19-Sep	3.32
20-Jan	0.60	20-Mar	0.60	20-May	2.93	20-Jul	29.66	20-Sep	3.31
21-Jan	0.60	21-Mar	0.60	21-May	3.12	21-Jul	27.66	21-Sep	3.28
22-Jan	0.60	22-Mar	0.60	22-May	3.32	22-Jul	25.87	22-Sep	3.25
23-Jan	0.60	23-Mar	0.60	23-May	3.52	23-Jul	24.27	23-Sep	3.23
24-Jan	0.60	24-Mar	0.60	24-May	3.75	24-Jul	22.81	24-Sep	3.20
25-Jan	0.60	25-Mar	0.60	25-May	3.98	25-Jul	21.37	25-Sep	3.17
26-Jan	0.60	26-Mar	0.60	26-May	4.23	26-Jul	20.04	26-Sep	3.15
27-Jan	0.60	27-Mar	0.60	27-May	4.50	27-Jul	18.75	27-Sep	3.12
28-Jan	0.60	28-Mar	0.60	28-May	4.78	28-Jul	17.57	28-Sep	3.09
29-Jan	0.60	29-Mar	0.60	29-May	5.08	29-Jul	16.52	29-Sep	3.07
30-Jan	0.60	30-Mar	0.60	30-May	5.40	30-Jul	15.57	30-Sep	3.04
31-Jan	0.60	31-Mar	0.60	31-May	5.74	31-Jul	14.63	1-Oct	3.01
1-Feb	0.60	1-Apr	0.60	1-Jun	6.10	1-Aug	13.72	2-Oct	2.99
2-Feb	0.60	2-Apr	0.60	2-Jun	6.49	2-Aug	12.80	3-Oct	2.96
3-Feb	0.60	3-Apr	0.60	3-Jun	6.90	3-Aug	11.98	4-Oct	2.93
4-Feb	0.60	4-Apr	0.60	4-Jun	7.33	4-Aug	11.27	5-Oct	2.91
5-Feb	0.60	5-Apr	0.60	5-Jun	7.79	5-Aug	10.60	6-Oct	2.88
6-Feb	0.60	6-Apr	0.60	6-Jun	8.28	6-Aug	10.03	7-Oct	2.85
7-Feb	0.60	7-Apr	0.60	7-Jun	8.81	7-Aug	9.49	8-Oct	2.83
8-Feb	0.60	8-Apr	0.60	8-Jun	9.36	8-Aug	8.94	9-Oct	2.80
9-Feb	0.60	9-Apr	0.60	9-Jun	9.95	9-Aug	8.44	10-Oct	2.78
10-Feb	0.60	10-Apr	0.60	10-Jun	10.57	10-Aug	7.95	11-Oct	2.75
11-Feb	0.60	11-Apr	0.60	11-Jun	11.24	11-Aug	7.53	12-Oct	2.72
12-Feb	0.60	12-Apr	0.60	12-Jun	11.95	12-Aug	7.11	13-Oct	2.70
13-Feb	0.60	13-Apr	0.60	13-Jun	13.50	13-Aug	6.76	14-Oct	2.67
14-Feb	0.60	14-Apr	0.60	14-Jun	16.49	14-Aug	6.45	15-Oct	2.64
15-Feb	0.60	15-Apr	0.60	15-Jun	20.15	15-Aug	6.14	16-Oct	2.62
16-Feb	0.60	16-Apr	0.60	16-Jun	24.62	16-Aug	5.81	17-Oct	2.59
17-Feb	0.60	17-Apr	0.60	17-Jun	30.08	17-Aug	5.59	18-Oct	2.56
18-Feb	0.60	18-Apr	0.60	18-Jun	36.74	18-Aug	5.38	19-Oct	2.54
19-Feb	0.60	19-Apr	0.60	19-Jun	44.89	19-Aug	5.13	20-Oct	2.51
20-Feb	0.60	20-Apr	0.60	20-Jun	67.00	20-Aug	4.96	21-Oct	2.48
21-Feb	0.60	21-Apr	0.60	21-Jun	75.68	21-Aug	4.84	22-Oct	2.46
22-Feb	0.60	22-Apr	0.60	22-Jun	82.80	22-Aug	4.73	23-Oct	2.43
23-Feb	0.60	23-Apr	0.60	23-Jun	85.30	23-Aug	4.55	24-Oct	2.40
24-Feb	0.60	24-Apr	0.60	24-Jun	85.03	24-Aug	4.44	25-Oct	2.38
25-Feb	0.60	25-Apr	0.64	25-Jun	83.06	25-Aug	4.33	26-Oct	2.35
26-Feb	0.60	26-Apr	0.68	26-Jun	79.91	26-Aug	4.23	27-Oct	2.32
27-Feb	0.60	27-Apr	0.72	27-Jun	76.50	27-Aug	4.13	28-Oct	2.30
28-Feb	0.60	28-Apr	0.77	28-Jun	72.61	28-Aug	4.02	29-Oct	2.27
		29-Apr	0.81	29-Jun	68.98	29-Aug	3.92	30-Oct	2.24
		30-Apr	0.87	30-Jun	66.45	30-Aug	3.83	31-Oct	2.22
						31-Aug	3.74		

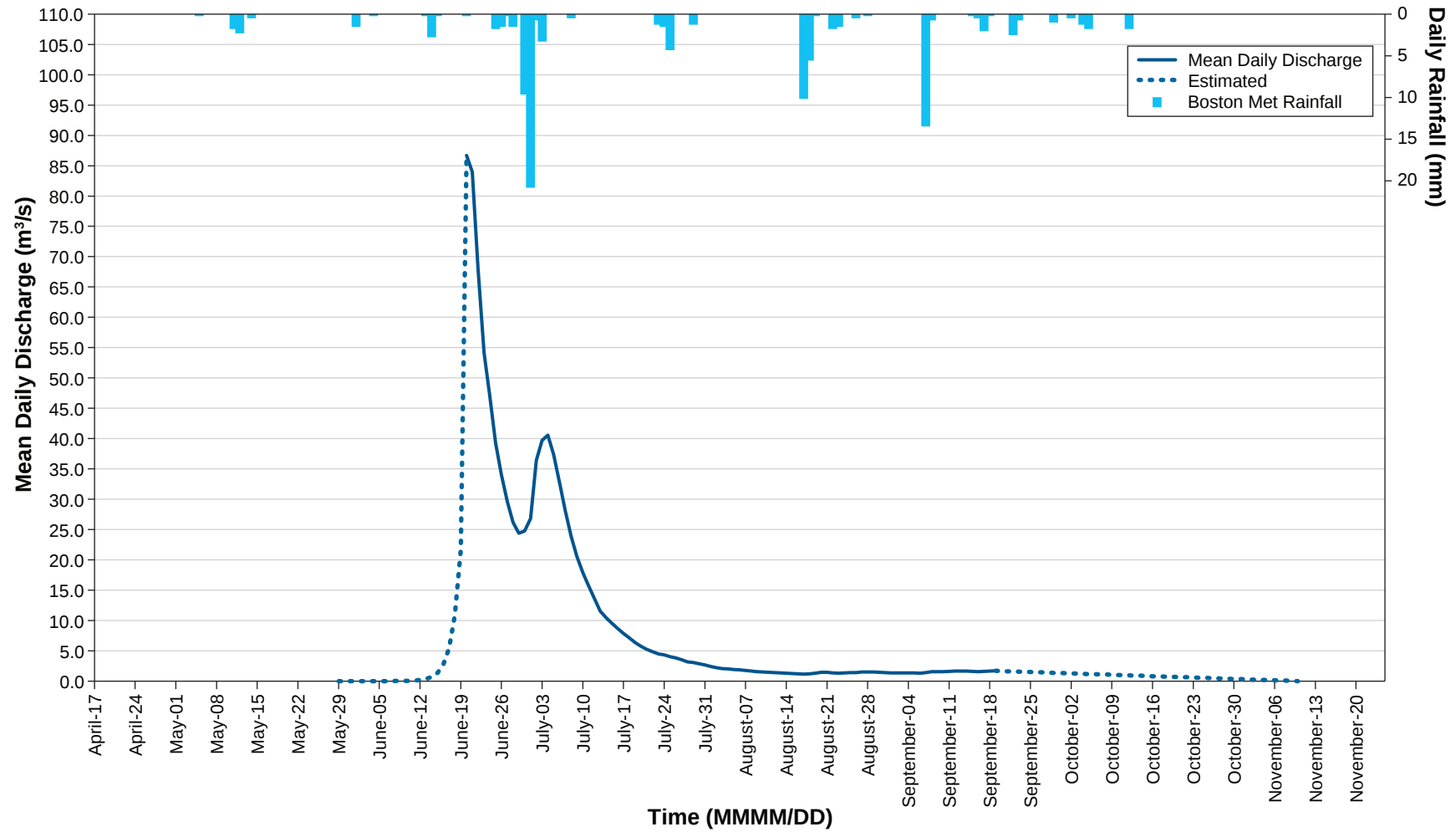
Note: Estimated values are italicized.



Appendix B4-2. Summary of Daily Mean Discharge [Q] at Aimao In-Hydro

Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)
1-Jan		1-Mar		1-May		1-Jul	26.84	1-Sep	1.36
2-Jan		2-Mar		2-May		2-Jul	36.43	2-Sep	1.33
3-Jan		3-Mar		3-May		3-Jul	39.69	3-Sep	1.34
4-Jan		4-Mar		4-May		4-Jul	40.57	4-Sep	1.35
5-Jan		5-Mar		5-May		5-Jul	37.38	5-Sep	1.34
6-Jan		6-Mar		6-May		6-Jul	32.70	6-Sep	1.30
7-Jan		7-Mar		7-May		7-Jul	28.01	7-Sep	1.42
8-Jan		8-Mar		8-May		8-Jul	23.87	8-Sep	1.53
9-Jan		9-Mar		9-May		9-Jul	20.56	9-Sep	1.57
10-Jan		10-Mar		10-May		10-Jul	17.87	10-Sep	1.54
11-Jan		11-Mar		11-May		11-Jul	15.70	11-Sep	1.58
12-Jan		12-Mar		12-May		12-Jul	13.63	12-Sep	1.63
13-Jan		13-Mar		13-May		13-Jul	11.53	13-Sep	1.64
14-Jan		14-Mar		14-May		14-Jul	10.44	14-Sep	1.63
15-Jan		15-Mar		15-May		15-Jul	9.53	15-Sep	1.60
16-Jan		16-Mar		16-May		16-Jul	8.66	16-Sep	1.57
17-Jan		17-Mar		17-May		17-Jul	7.85	17-Sep	1.59
18-Jan		18-Mar		18-May		18-Jul	7.09	18-Sep	1.65
19-Jan		19-Mar		19-May		19-Jul	6.34	19-Sep	1.69
20-Jan		20-Mar		20-May		20-Jul	5.76	20-Sep	1.66
21-Jan		21-Mar		21-May		21-Jul	5.25	21-Sep	1.62
22-Jan		22-Mar		22-May		22-Jul	4.82	22-Sep	1.59
23-Jan		23-Mar		23-May		23-Jul	4.47	23-Sep	1.56
24-Jan		24-Mar		24-May		24-Jul	4.31	24-Sep	1.53
25-Jan		25-Mar		25-May		25-Jul	4.01	25-Sep	1.49
26-Jan		26-Mar		26-May		26-Jul	3.83	26-Sep	1.46
27-Jan		27-Mar		27-May		27-Jul	3.51	27-Sep	1.43
28-Jan		28-Mar		28-May		28-Jul	3.17	28-Sep	1.40
29-Jan		29-Mar		29-May		29-Jul	3.05	29-Sep	1.36
30-Jan		30-Mar		30-May		30-Jul	2.85	30-Sep	1.33
31-Jan		31-Mar		31-May		31-Jul	2.65	1-Oct	1.30
1-Feb		1-Apr		1-Jun		1-Aug	2.43	2-Oct	1.27
2-Feb		2-Apr		2-Jun		2-Aug	2.19	3-Oct	1.23
3-Feb		3-Apr		3-Jun		3-Aug	2.07	4-Oct	1.20
4-Feb		4-Apr		4-Jun		4-Aug	1.98	5-Oct	1.17
5-Feb		5-Apr		5-Jun		5-Aug	1.92	6-Oct	1.14
6-Feb		6-Apr		6-Jun	0.00	6-Aug	1.86	7-Oct	1.10
7-Feb		7-Apr		7-Jun	0.01	7-Aug	1.77	8-Oct	1.07
8-Feb		8-Apr		8-Jun	0.01	8-Aug	1.65	9-Oct	1.04
9-Feb		9-Apr		9-Jun	0.02	9-Aug	1.56	10-Oct	1.01
10-Feb		10-Apr		10-Jun	0.04	10-Aug	1.49	11-Oct	0.97
11-Feb		11-Apr		11-Jun	0.08	11-Aug	1.43	12-Oct	0.94
12-Feb		12-Apr		12-Jun	0.17	12-Aug	1.39	13-Oct	0.91
13-Feb		13-Apr		13-Jun	0.33	13-Aug	1.36	14-Oct	0.88
14-Feb		14-Apr		14-Jun	0.67	14-Aug	1.32	15-Oct	0.84
15-Feb		15-Apr		15-Jun	1.34	15-Aug	1.27	16-Oct	0.81
16-Feb		16-Apr		16-Jun	2.69	16-Aug	1.17	17-Oct	0.78
17-Feb		17-Apr		17-Jun	5.39	17-Aug	1.17	18-Oct	0.75
18-Feb		18-Apr		18-Jun	10.79	18-Aug	1.21	19-Oct	0.71
19-Feb		19-Apr		19-Jun	21.62	19-Aug	1.30	20-Oct	0.68
20-Feb		20-Apr		20-Jun	86.72	20-Aug	1.44	21-Oct	0.65
21-Feb		21-Apr		21-Jun	83.96	21-Aug	1.43	22-Oct	0.62
22-Feb		22-Apr		22-Jun	67.95	22-Aug	1.37	23-Oct	0.58
23-Feb		23-Apr		23-Jun	54.13	23-Aug	1.31	24-Oct	0.55
24-Feb		24-Apr		24-Jun	46.98	24-Aug	1.37	25-Oct	0.52
25-Feb		25-Apr		25-Jun	39.29	25-Aug	1.41	26-Oct	0.49
26-Feb		26-Apr		26-Jun	34.10	26-Aug	1.42	27-Oct	0.45
27-Feb		27-Apr		27-Jun	29.62	27-Aug	1.48	28-Oct	0.42
28-Feb		28-Apr		28-Jun	26.16	28-Aug	1.49	29-Oct	0.39
29-Feb		29-Apr		29-Jun	24.41	29-Aug	1.48	30-Oct	0.36
		30-Apr		30-Jun	24.77	30-Aug	1.44	31-Oct	0.32
						31-Aug	1.39		

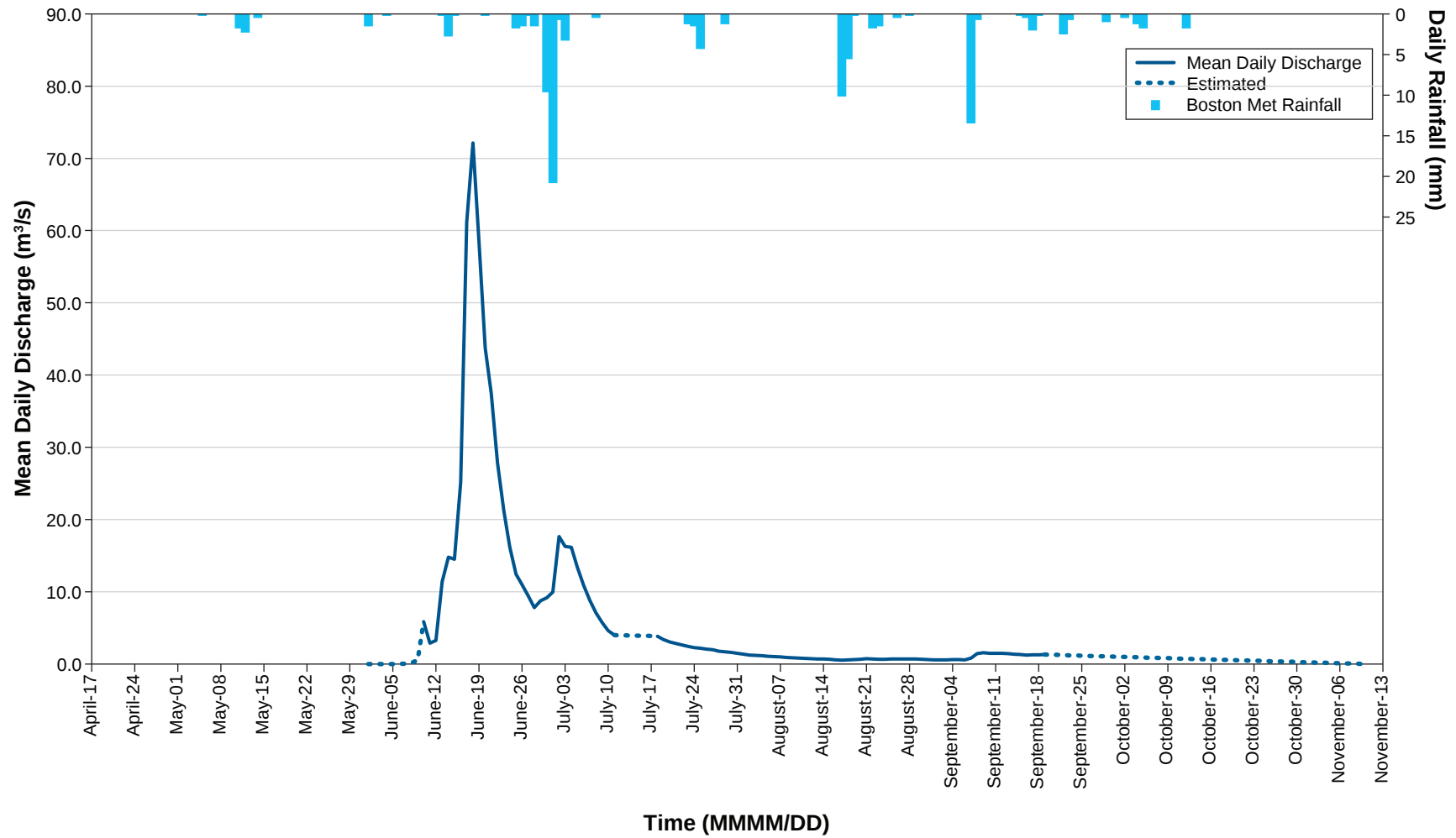
Note: Estimated values are italicized.



Appendix B4-3. Summary of Daily Mean Discharge [Q] at East Aimao-Hydro

Date	Q (m³/s)	Date	Q (m³/s)	Date	Q (m³/s)	Date	Q (m³/s)	Date	Q (m³/s)
1-Jan		1-Mar		1-May		1-Jul	9.95	1-Sep	0.58
2-Jan		2-Mar		2-May		2-Jul	17.62	2-Sep	0.56
3-Jan		3-Mar		3-May		3-Jul	16.28	3-Sep	0.57
4-Jan		4-Mar		4-May		4-Jul	16.15	4-Sep	0.59
5-Jan		5-Mar		5-May		5-Jul	13.36	5-Sep	0.59
6-Jan		6-Mar		6-May		6-Jul	10.88	6-Sep	0.55
7-Jan		7-Mar		7-May		7-Jul	8.79	7-Sep	0.80
8-Jan		8-Mar		8-May		8-Jul	7.08	8-Sep	1.44
9-Jan		9-Mar		9-May		9-Jul	5.74	9-Sep	1.54
10-Jan		10-Mar		10-May		10-Jul	4.62	10-Sep	1.49
11-Jan		11-Mar		11-May		11-Jul	4.01	11-Sep	1.49
12-Jan		12-Mar		12-May		12-Jul	3.96	12-Sep	1.48
13-Jan		13-Mar		13-May		13-Jul	3.95	13-Sep	1.42
14-Jan		14-Mar		14-May		14-Jul	3.93	14-Sep	1.37
15-Jan		15-Mar		15-May		15-Jul	3.92	15-Sep	1.32
16-Jan		16-Mar		16-May		16-Jul	3.90	16-Sep	1.24
17-Jan		17-Mar		17-May		17-Jul	3.89	17-Sep	1.26
18-Jan		18-Mar		18-May		18-Jul	3.82	18-Sep	1.27
19-Jan		19-Mar		19-May		19-Jul	3.39	19-Sep	1.30
20-Jan		20-Mar		20-May		20-Jul	3.06	20-Sep	1.27
21-Jan		21-Mar		21-May		21-Jul	2.83	21-Sep	1.25
22-Jan		22-Mar		22-May		22-Jul	2.62	22-Sep	1.22
23-Jan		23-Mar		23-May		23-Jul	2.42	23-Sep	1.20
24-Jan		24-Mar		24-May		24-Jul	2.26	24-Sep	1.17
25-Jan		25-Mar		25-May		25-Jul	2.16	25-Sep	1.15
26-Jan		26-Mar		26-May		26-Jul	2.07	26-Sep	1.12
27-Jan		27-Mar		27-May		27-Jul	1.98	27-Sep	1.10
28-Jan		28-Mar		28-May		28-Jul	1.76	28-Sep	1.07
29-Jan		29-Mar		29-May		29-Jul	1.67	29-Sep	1.05
30-Jan		30-Mar		30-May		30-Jul	1.60	30-Sep	1.02
31-Jan		31-Mar		31-May		31-Jul	1.48	1-Oct	1.00
1-Feb		1-Apr		1-Jun		1-Aug	1.37	2-Oct	0.97
2-Feb		2-Apr		2-Jun		2-Aug	1.23	3-Oct	0.95
3-Feb		3-Apr		3-Jun		3-Aug	1.17	4-Oct	0.92
4-Feb		4-Apr		4-Jun		4-Aug	1.13	5-Oct	0.90
5-Feb		5-Apr		5-Jun	0.00	5-Aug	1.08	6-Oct	0.87
6-Feb		6-Apr		6-Jun	0.01	6-Aug	1.04	7-Oct	0.85
7-Feb		7-Apr		7-Jun	0.05	7-Aug	0.97	8-Oct	0.82
8-Feb		8-Apr		8-Jun	0.16	8-Aug	0.89	9-Oct	0.80
9-Feb		9-Apr		9-Jun	0.52	9-Aug	0.85	10-Oct	0.77
10-Feb		10-Apr		10-Jun	5.86	10-Aug	0.80	11-Oct	0.75
11-Feb		11-Apr		11-Jun	2.88	11-Aug	0.76	12-Oct	0.72
12-Feb		12-Apr		12-Jun	3.25	12-Aug	0.72	13-Oct	0.70
13-Feb		13-Apr		13-Jun	11.40	13-Aug	0.71	14-Oct	0.67
14-Feb		14-Apr		14-Jun	14.80	14-Aug	0.68	15-Oct	0.65
15-Feb		15-Apr		15-Jun	14.50	15-Aug	0.64	16-Oct	0.62
16-Feb		16-Apr		16-Jun	25.17	16-Aug	0.57	17-Oct	0.60
17-Feb		17-Apr		17-Jun	61.14	17-Aug	0.54	18-Oct	0.57
18-Feb		18-Apr		18-Jun	72.13	18-Aug	0.58	19-Oct	0.55
19-Feb		19-Apr		19-Jun	58.48	19-Aug	0.60	20-Oct	0.52
20-Feb		20-Apr		20-Jun	43.71	20-Aug	0.67	21-Oct	0.50
21-Feb		21-Apr		21-Jun	37.50	21-Aug	0.71	22-Oct	0.47
22-Feb		22-Apr		22-Jun	27.86	22-Aug	0.68	23-Oct	0.45
23-Feb		23-Apr		23-Jun	21.28	23-Aug	0.65	24-Oct	0.42
24-Feb		24-Apr		24-Jun	16.20	24-Aug	0.64	25-Oct	0.40
25-Feb		25-Apr		25-Jun	12.43	25-Aug	0.68	26-Oct	0.37
26-Feb		26-Apr		26-Jun	10.99	26-Aug	0.69	27-Oct	0.35
27-Feb		27-Apr		27-Jun	9.43	27-Aug	0.71	28-Oct	0.32
28-Feb		28-Apr		28-Jun	7.82	28-Aug	0.70	29-Oct	0.30
29-Feb		29-Apr		29-Jun	8.76	29-Aug	0.68	30-Oct	0.27
		30-Apr		30-Jun	9.15	30-Aug	0.66	31-Oct	0.25
						31-Aug	0.61		

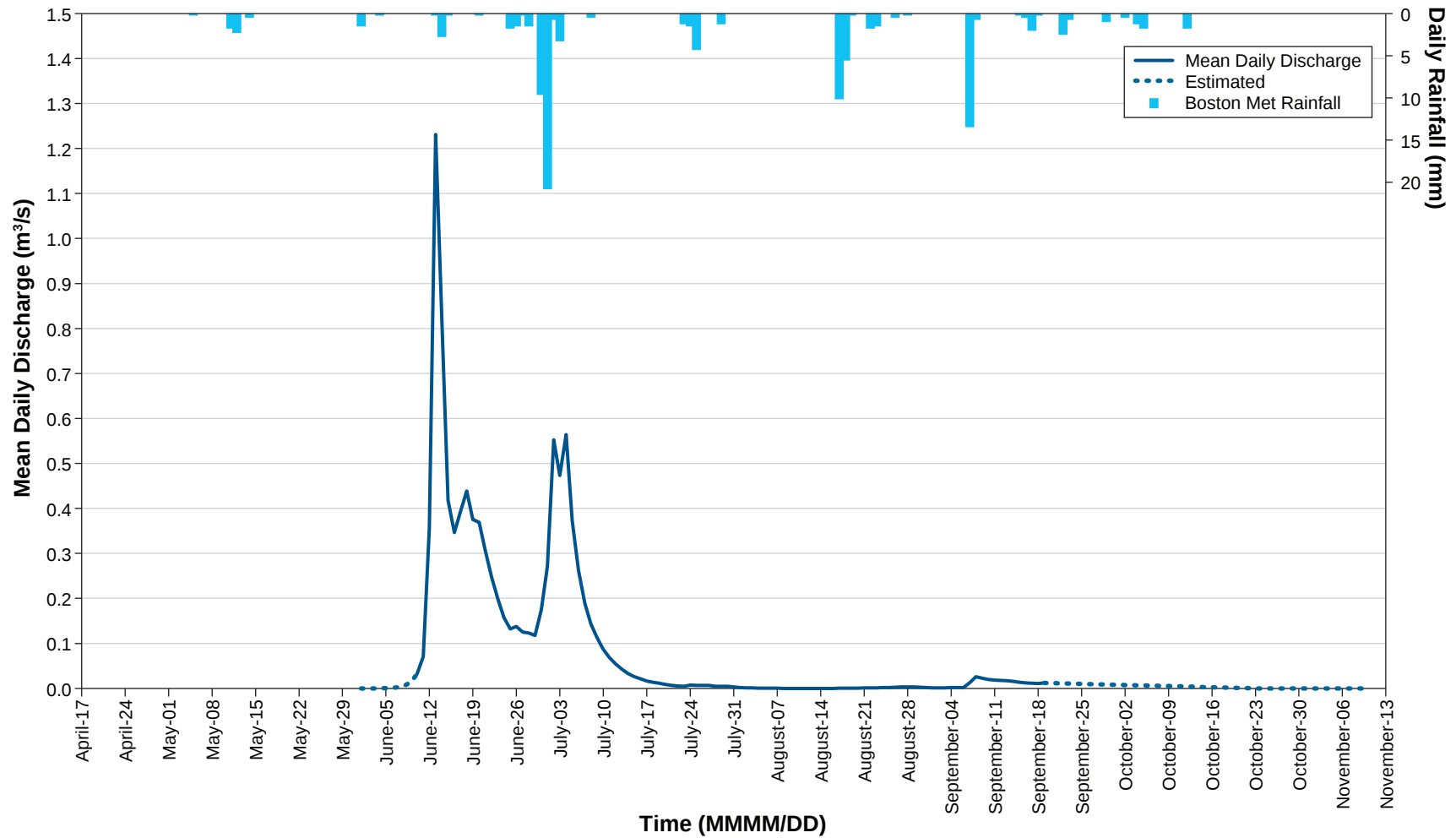
Note: Estimated values are italicized.



Appendix B4-4. Summary of Daily Mean Discharge [Q] at East Tailings-Hydro

Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)
1-Jan		1-Mar		1-May		1-Jul	0.272	1-Sep	0.001
2-Jan		2-Mar		2-May		2-Jul	0.553	2-Sep	0.001
3-Jan		3-Mar		3-May		3-Jul	0.473	3-Sep	0.001
4-Jan		4-Mar		4-May		4-Jul	0.564	4-Sep	0.002
5-Jan		5-Mar		5-May		5-Jul	0.373	5-Sep	0.002
6-Jan		6-Mar		6-May		6-Jul	0.263	6-Sep	0.002
7-Jan		7-Mar		7-May		7-Jul	0.189	7-Sep	0.013
8-Jan		8-Mar		8-May		8-Jul	0.143	8-Sep	0.026
9-Jan		9-Mar		9-May		9-Jul	0.112	9-Sep	0.023
10-Jan		10-Mar		10-May		10-Jul	0.087	10-Sep	0.020
11-Jan		11-Mar		11-May		11-Jul	0.068	11-Sep	0.018
12-Jan		12-Mar		12-May		12-Jul	0.054	12-Sep	0.017
13-Jan		13-Mar		13-May		13-Jul	0.042	13-Sep	0.017
14-Jan		14-Mar		14-May		14-Jul	0.033	14-Sep	0.016
15-Jan		15-Mar		15-May		15-Jul	0.026	15-Sep	0.014
16-Jan		16-Mar		16-May		16-Jul	0.021	16-Sep	0.012
17-Jan		17-Mar		17-May		17-Jul	0.017	17-Sep	0.012
18-Jan		18-Mar		18-May		18-Jul	0.014	18-Sep	0.011
19-Jan		19-Mar		19-May		19-Jul	0.012	19-Sep	0.012
20-Jan		20-Mar		20-May		20-Jul	0.009	20-Sep	0.012
21-Jan		21-Mar		21-May		21-Jul	0.006	21-Sep	0.011
22-Jan		22-Mar		22-May		22-Jul	0.005	22-Sep	0.011
23-Jan		23-Mar		23-May		23-Jul	0.005	23-Sep	0.011
24-Jan		24-Mar		24-May		24-Jul	0.007	24-Sep	0.010
25-Jan		25-Mar		25-May		25-Jul	0.007	25-Sep	0.010
26-Jan		26-Mar		26-May		26-Jul	0.007	26-Sep	0.010
27-Jan		27-Mar		27-May		27-Jul	0.006	27-Sep	0.009
28-Jan		28-Mar		28-May		28-Jul	0.004	28-Sep	0.009
29-Jan		29-Mar		29-May		29-Jul	0.005	29-Sep	0.009
30-Jan		30-Mar		30-May		30-Jul	0.005	30-Sep	0.008
31-Jan		31-Mar		31-May		31-Jul	0.003	1-Oct	0.008
1-Feb		1-Apr		1-Jun		1-Aug	0.002	2-Oct	0.008
2-Feb		2-Apr		2-Jun		2-Aug	0.001	3-Oct	0.007
3-Feb		3-Apr		3-Jun		3-Aug	0.001	4-Oct	0.007
4-Feb		4-Apr		4-Jun	0.000	4-Aug	0.001	5-Oct	0.006
5-Feb		5-Apr		5-Jun	0.001	5-Aug	0.001	6-Oct	0.006
6-Feb		6-Apr		6-Jun	0.001	6-Aug	0.001	7-Oct	0.006
7-Feb		7-Apr		7-Jun	0.003	7-Aug	0.000	8-Oct	0.005
8-Feb		8-Apr		8-Jun	0.006	8-Aug	0.000	9-Oct	0.005
9-Feb		9-Apr		9-Jun	0.014	9-Aug	0.000	10-Oct	0.005
10-Feb		10-Apr		10-Jun	0.032	10-Aug	0.000	11-Oct	0.004
11-Feb		11-Apr		11-Jun	0.071	11-Aug	0.000	12-Oct	0.004
12-Feb		12-Apr		12-Jun	0.356	12-Aug	0.000	13-Oct	0.004
13-Feb		13-Apr		13-Jun	1.231	13-Aug	0.000	14-Oct	0.003
14-Feb		14-Apr		14-Jun	0.812	14-Aug	0.000	15-Oct	0.003
15-Feb		15-Apr		15-Jun	0.418	15-Aug	0.000	16-Oct	0.003
16-Feb		16-Apr		16-Jun	0.346	16-Aug	0.000	17-Oct	0.002
17-Feb		17-Apr		17-Jun	0.392	17-Aug	0.000	18-Oct	0.002
18-Feb		18-Apr		18-Jun	0.439	18-Aug	0.000	19-Oct	0.001
19-Feb		19-Apr		19-Jun	0.375	19-Aug	0.001	20-Oct	0.001
20-Feb		20-Apr		20-Jun	0.369	20-Aug	0.001	21-Oct	0.001
21-Feb		21-Apr		21-Jun	0.307	21-Aug	0.001	22-Oct	0.000
22-Feb		22-Apr		22-Jun	0.248	22-Aug	0.001	23-Oct	
23-Feb		23-Apr		23-Jun	0.199	23-Aug	0.001	24-Oct	
24-Feb		24-Apr		24-Jun	0.158	24-Aug	0.002	25-Oct	
25-Feb		25-Apr		25-Jun	0.132	25-Aug	0.002	26-Oct	
26-Feb		26-Apr		26-Jun	0.138	26-Aug	0.002	27-Oct	
27-Feb		27-Apr		27-Jun	0.126	27-Aug	0.003	28-Oct	
28-Feb		28-Apr		28-Jun	0.123	28-Aug	0.003	29-Oct	
29-Feb		29-Apr		29-Jun	0.117	29-Aug	0.003	30-Oct	
		30-Apr		30-Jun	0.175	30-Aug	0.003	31-Oct	
				31-Aug	0.002				

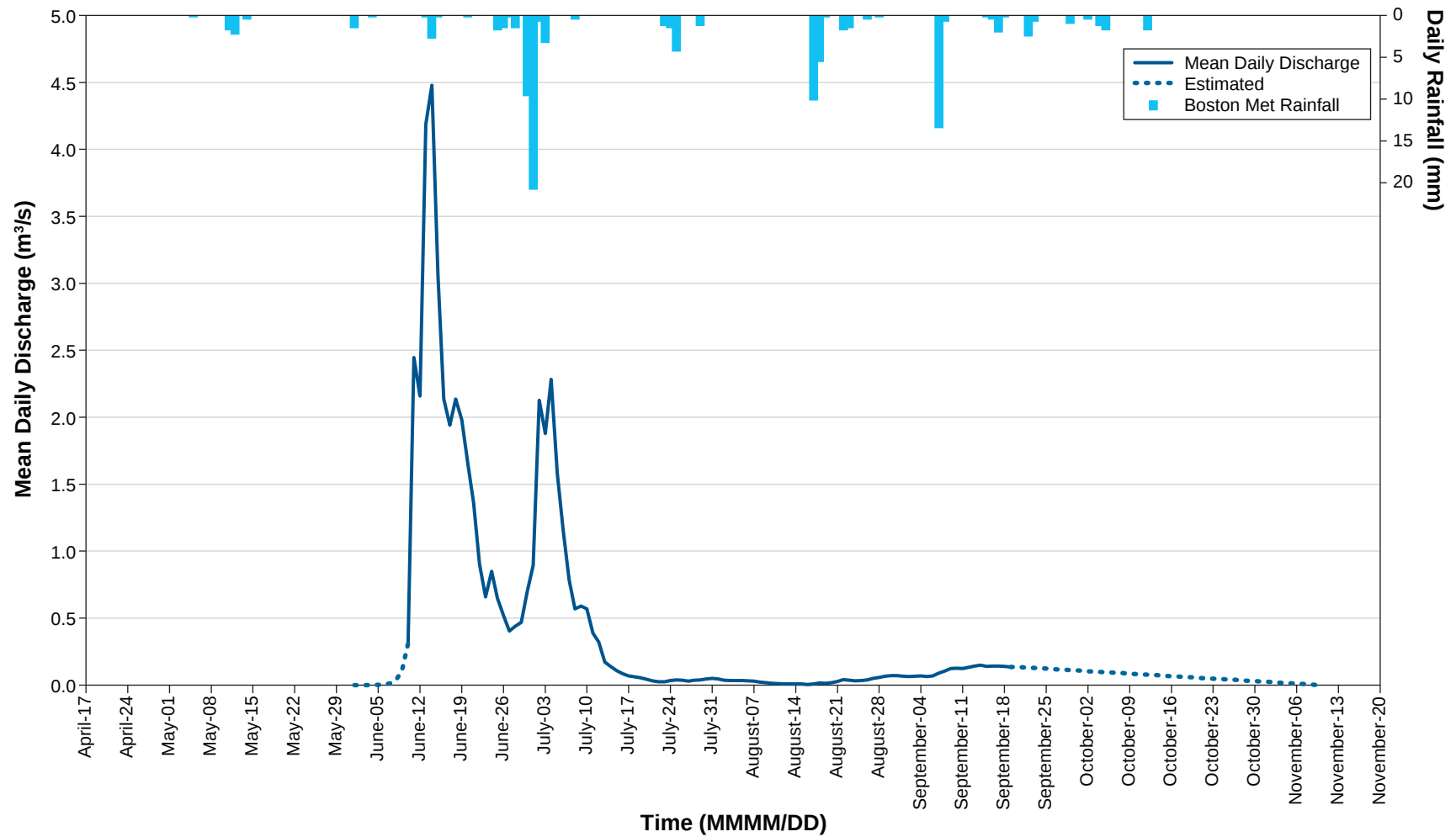
Note: Estimated values are italicized.



Appendix B4-5. Summary of Daily Mean Discharge [Q] at Trout-Hydro

Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)	Date	Q (m ³ /s)
1-Jan		1-Mar		1-May		1-Jul	0.893	1-Sep	0.067
2-Jan		2-Mar		2-May		2-Jul	2.126	2-Sep	0.065
3-Jan		3-Mar		3-May		3-Jul	1.878	3-Sep	0.066
4-Jan		4-Mar		4-May		4-Jul	2.281	4-Sep	0.068
5-Jan		5-Mar		5-May		5-Jul	1.586	5-Sep	0.065
6-Jan		6-Mar		6-May		6-Jul	1.164	6-Sep	0.069
7-Jan		7-Mar		7-May		7-Jul	0.786	7-Sep	0.088
8-Jan		8-Mar		8-May		8-Jul	0.569	8-Sep	0.104
9-Jan		9-Mar		9-May		9-Jul	0.591	9-Sep	0.123
10-Jan		10-Mar		10-May		10-Jul	0.570	10-Sep	0.125
11-Jan		11-Mar		11-May		11-Jul	0.388	11-Sep	0.123
12-Jan		12-Mar		12-May		12-Jul	0.321	12-Sep	0.131
13-Jan		13-Mar		13-May		13-Jul	0.172	13-Sep	0.142
14-Jan		14-Mar		14-May		14-Jul	0.137	14-Sep	0.150
15-Jan		15-Mar		15-May		15-Jul	0.107	15-Sep	0.140
16-Jan		16-Mar		16-May		16-Jul	0.084	16-Sep	0.141
17-Jan		17-Mar		17-May		17-Jul	0.068	17-Sep	0.141
18-Jan		18-Mar		18-May		18-Jul	0.061	18-Sep	0.140
19-Jan		19-Mar		19-May		19-Jul	0.055	19-Sep	0.135
20-Jan		20-Mar		20-May		20-Jul	0.043	20-Sep	0.136
21-Jan		21-Mar		21-May		21-Jul	0.031	21-Sep	0.133
22-Jan		22-Mar		22-May		22-Jul	0.025	22-Sep	0.130
23-Jan		23-Mar		23-May		23-Jul	0.024	23-Sep	0.128
24-Jan		24-Mar		24-May		24-Jul	0.033	24-Sep	0.125
25-Jan		25-Mar		25-May		25-Jul	0.039	25-Sep	0.122
26-Jan		26-Mar		26-May		26-Jul	0.035	26-Sep	0.120
27-Jan		27-Mar		27-May		27-Jul	0.030	27-Sep	0.117
28-Jan		28-Mar		28-May		28-Jul	0.036	28-Sep	0.114
29-Jan		29-Mar		29-May		29-Jul	0.038	29-Sep	0.112
30-Jan		30-Mar		30-May		30-Jul	0.045	30-Sep	0.109
31-Jan		31-Mar		31-May		31-Jul	0.050	1-Oct	0.106
1-Feb		1-Apr		1-Jun		1-Aug	0.046	2-Oct	0.104
2-Feb		2-Apr		2-Jun		2-Aug	0.036	3-Oct	0.101
3-Feb		3-Apr		3-Jun	0.000	3-Aug	0.034	4-Oct	0.098
4-Feb	0.001	4-Apr		4-Jun	0.001	4-Aug	0.034	5-Oct	0.096
5-Feb		5-Apr		5-Jun	0.002	5-Aug	0.033	6-Oct	0.093
6-Feb		6-Apr		6-Jun	0.005	6-Aug	0.031	7-Oct	0.090
7-Feb		7-Apr		7-Jun	0.014	7-Aug	0.028	8-Oct	0.088
8-Feb		8-Apr		8-Jun	0.039	8-Aug	0.021	9-Oct	0.085
9-Feb		9-Apr		9-Jun	0.110	9-Aug	0.018	10-Oct	0.082
10-Feb		10-Apr		10-Jun	0.309	10-Aug	0.013	11-Oct	0.080
11-Feb		11-Apr		11-Jun	2.446	11-Aug	0.010	12-Oct	0.077
12-Feb		12-Apr		12-Jun	2.159	12-Aug	0.008	13-Oct	0.074
13-Feb		13-Apr		13-Jun	4.187	13-Aug	0.009	14-Oct	0.072
14-Feb		14-Apr		14-Jun	4.478	14-Aug	0.009	15-Oct	0.069
15-Feb		15-Apr		15-Jun	3.061	15-Aug	0.009	16-Oct	0.067
16-Feb		16-Apr		16-Jun	2.136	16-Aug	0.004	17-Oct	0.064
17-Feb		17-Apr		17-Jun	1.941	17-Aug	0.008	18-Oct	0.061
18-Feb		18-Apr		18-Jun	2.135	18-Aug	0.016	19-Oct	0.059
19-Feb		19-Apr		19-Jun	1.981	19-Aug	0.013	20-Oct	0.056
20-Feb		20-Apr		20-Jun	1.667	20-Aug	0.017	21-Oct	0.053
21-Feb		21-Apr		21-Jun	1.357	21-Aug	0.027	22-Oct	0.051
22-Feb		22-Apr		22-Jun	0.904	22-Aug	0.041	23-Oct	0.048
23-Feb		23-Apr		23-Jun	0.658	23-Aug	0.035	24-Oct	0.045
24-Feb		24-Apr		24-Jun	0.850	24-Aug	0.031	25-Oct	0.043
25-Feb		25-Apr		25-Jun	0.646	25-Aug	0.033	26-Oct	0.040
26-Feb		26-Apr		26-Jun	0.517	26-Aug	0.039	27-Oct	0.037
27-Feb		27-Apr		27-Jun	0.404	27-Aug	0.050	28-Oct	0.035
28-Feb		28-Apr		28-Jun	0.439	28-Aug	0.057	29-Oct	0.032
29-Feb		29-Apr		29-Jun	0.468	29-Aug	0.065	30-Oct	0.029
		30-Apr		30-Jun	0.703	30-Aug	0.071	31-Oct	0.027
						31-Aug	0.069		

Note: Estimated values are italicized.



Appendix B4-6. Summary of Daily Mean Discharge [Q] at Stickleback-Hydro

Date	Q (m³/s)	Date	Q (m³/s)	Date	Q (m³/s)	Date	Q (m³/s)	Date	Q (m³/s)
1-Jan		1-Mar		1-May		1-Jul	0.120	1-Sep	0.001
2-Jan		2-Mar		2-May		2-Jul	0.161	2-Sep	0.000
3-Jan		3-Mar		3-May		3-Jul	0.170	3-Sep	0.001
4-Jan		4-Mar		4-May		4-Jul	0.178	4-Sep	0.001
5-Jan		5-Mar		5-May		5-Jul	0.175	5-Sep	0.000
6-Jan		6-Mar		6-May		6-Jul	0.161	6-Sep	0.001
7-Jan		7-Mar		7-May		7-Jul	0.136	7-Sep	0.002
8-Jan		8-Mar		8-May		8-Jul	0.114	8-Sep	0.002
9-Jan		9-Mar		9-May		9-Jul	0.102	9-Sep	0.002
10-Jan		10-Mar		10-May		10-Jul	0.093	10-Sep	0.002
11-Jan		11-Mar		11-May		11-Jul	0.087	11-Sep	0.002
12-Jan		12-Mar		12-May		12-Jul	0.079	12-Sep	0.002
13-Jan		13-Mar		13-May		13-Jul	0.072	13-Sep	0.002
14-Jan		14-Mar		14-May		14-Jul	0.065	14-Sep	0.002
15-Jan		15-Mar		15-May		15-Jul	0.059	15-Sep	0.001
16-Jan		16-Mar		16-May		16-Jul	0.052	16-Sep	0.001
17-Jan		17-Mar		17-May		17-Jul	0.046	17-Sep	0.003
18-Jan		18-Mar		18-May		18-Jul	0.040	18-Sep	0.004
19-Jan		19-Mar		19-May		19-Jul	0.031	19-Sep	0.004
20-Jan		20-Mar		20-May		20-Jul	0.027	20-Sep	0.004
21-Jan		21-Mar		21-May		21-Jul	0.023	21-Sep	0.004
22-Jan		22-Mar		22-May		22-Jul	0.021	22-Sep	0.004
23-Jan		23-Mar		23-May		23-Jul	0.020	23-Sep	0.004
24-Jan		24-Mar		24-May		24-Jul	0.023	24-Sep	0.004
25-Jan		25-Mar		25-May		25-Jul	0.021	25-Sep	0.004
26-Jan		26-Mar		26-May		26-Jul	0.020	26-Sep	0.003
27-Jan		27-Mar		27-May		27-Jul	0.016	27-Sep	0.003
28-Jan		28-Mar		28-May		28-Jul	0.015	28-Sep	0.003
29-Jan		29-Mar		29-May		29-Jul	0.015	29-Sep	0.003
30-Jan		30-Mar		30-May		30-Jul	0.014	30-Sep	0.003
31-Jan		31-Mar		31-May		31-Jul	0.012	1-Oct	0.003
1-Feb		1-Apr		1-Jun		1-Aug	0.009	2-Oct	0.003
2-Feb		2-Apr		2-Jun		2-Aug	0.007	3-Oct	0.003
3-Feb		3-Apr		3-Jun		3-Aug	0.006	4-Oct	0.003
4-Feb		4-Apr		4-Jun		4-Aug	0.006	5-Oct	0.003
5-Feb		5-Apr		5-Jun		5-Aug	0.006	6-Oct	0.003
6-Feb		6-Apr		6-Jun		6-Aug	0.006	7-Oct	0.002
7-Feb		7-Apr		7-Jun		7-Aug	0.005	8-Oct	0.002
8-Feb		8-Apr		8-Jun		8-Aug	0.004	9-Oct	0.002
9-Feb		9-Apr		9-Jun		9-Aug	0.003	10-Oct	0.002
10-Feb		10-Apr		10-Jun		10-Aug	0.003	11-Oct	0.002
11-Feb		11-Apr		11-Jun		11-Aug	0.002	12-Oct	0.002
12-Feb		12-Apr		12-Jun		12-Aug	0.002	13-Oct	0.002
13-Feb		13-Apr		13-Jun		13-Aug	0.002	14-Oct	0.002
14-Feb		14-Apr		14-Jun		14-Aug	0.002	15-Oct	0.002
15-Feb		15-Apr		15-Jun		15-Aug	0.001	16-Oct	0.002
16-Feb		16-Apr		16-Jun		16-Aug	0.001	17-Oct	0.001
17-Feb		17-Apr		17-Jun	0.008	17-Aug	0.001	18-Oct	0.001
18-Feb		18-Apr		18-Jun	0.022	18-Aug	0.001	19-Oct	0.001
19-Feb		19-Apr		19-Jun	0.148	19-Aug	0.001	20-Oct	0.001
20-Feb		20-Apr		20-Jun	0.165	20-Aug	0.001	21-Oct	0.001
21-Feb		21-Apr		21-Jun	0.282	21-Aug	0.001	22-Oct	0.001
22-Feb		22-Apr		22-Jun	0.443	22-Aug	0.001	23-Oct	0.001
23-Feb		23-Apr		23-Jun	0.502	23-Aug	0.001	24-Oct	0.001
24-Feb		24-Apr		24-Jun	0.494	24-Aug	0.001	25-Oct	0.001
25-Feb		25-Apr		25-Jun	0.439	25-Aug	0.001	26-Oct	0.001
26-Feb		26-Apr		26-Jun	0.369	26-Aug	0.001	27-Oct	0.000
27-Feb		27-Apr		27-Jun	0.270	27-Aug	0.001	28-Oct	
28-Feb		28-Apr		28-Jun	0.189	28-Aug	0.001	29-Oct	
29-Feb		29-Apr		29-Jun	0.132	29-Aug	0.001	30-Oct	
		30-Apr		30-Jun	0.115	30-Aug	0.001	31-Oct	
						31-Aug	0.001		

Note: Estimated values are italicized.

