

# Lower Fraser River Water Level Forecasting

Ministry of Forests, Lands and Natural Resource Operations (FLNRO)

Predicted Daily Peak Water Levels for: **13-Jun-17 to 22-Jun-17**

Results from MIKE11 modelling with River Forecast Centre (RFC) flow inputs at Hope and Harrison.

Flow at Hope (m <sup>3</sup> /s) forecasted by RFC	Day 1: 13-Jun-17 9272 (t + 0 forecast)		Day 2: 14-Jun-17 8620 (t + 1 forecast)		Day 3: 15-Jun-17 7713 (t + 2 forecast)		Day 4: 16-Jun-17 7212 (t + 3 forecast)		Day 5: 17-Jun-17 7105 (t + 4 forecast)		Day 6: 18-Jun-17 7114 (t + 5 forecast)		Day 7: 19-Jun-17 7092 (t + 6 forecast)		Day 8: 20-Jun-17 7090 (t + 7 forecast)		Day 9: 21-Jun-17 7027 (t + 8 forecast)		Day 10: 22-Jun-17 6777 (t + 9 forecast)		1894 Flood 17000
	Gauge Name (Downstream to Upstream)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)	Time of peak (HH:MM)	Peak level (m GSC)
Bath Slough	23:00	1.59	23:00	1.60	0:00	1.56	0:00	1.56	0:00	1.53	1:00	1.54	2:00	1.55	3:00	1.54	3:00	1.60	4:00	1.62	2.96*
Fraser R. at Byrne Creek	23:00	1.66	23:00	1.65	0:00	1.63	0:00	1.61	1:00	1.57	1:00	1.58	2:00	1.58	3:00	1.58	3:00	1.61	4:00	1.67	3.12*
Queensborough	23:00	1.71	23:00	1.70	0:00	1.69	0:00	1.65	1:00	1.61	1:00	1.61	2:00	1.61	3:00	1.62	3:00	1.63	4:00	1.71	3.06*
CNW Fraser River Pile and Dredge	23:00	1.79	23:00	1.75	0:00	1.76	0:00	1.70	1:00	1.66	1:00	1.63	2:00	1.64	3:00	1.67	4:00	1.69	4:00	1.74	3.41*
Fraser R. at Steveston - 08MH028	22:00	1.46	23:00	1.45	23:00	1.43	0:00	1.43	0:00	1.45	1:00	1.45	2:00	1.42	2:00	1.47	3:00	1.49	4:00	1.51	2.84*
3395 River Road	22:00	1.47	23:00	1.49	23:00	1.41	0:00	1.44	0:00	1.46	1:00	1.46	2:00	1.45	2:00	1.47	3:00	1.50	4:00	1.53	2.87*
Elliot & River Road	22:00	1.51	23:00	1.55	0:00	1.48	0:00	1.49	0:00	1.50	1:00	1.50	2:00	1.50	2:00	1.50	3:00	1.55	4:00	1.58	2.89*
62B & River Road	23:00	1.60	23:00	1.59	0:00	1.55	0:00	1.56	0:00	1.52	1:00	1.54	2:00	1.54	2:00	1.53	3:00	1.58	4:00	1.63	2.94*
Fraser R. at Deas Island Tunnel - 08MH053	23:00	1.56	23:00	1.57	0:00	1.51	0:00	1.54	0:00	1.51	1:00	1.52	2:00	1.52	2:00	1.51	3:00	1.57	4:00	1.61	2.93*
No. 6 Road	23:00	1.58	23:00	1.58	0:00	1.53	0:00	1.55	0:00	1.52	1:00	1.53	2:00	1.53	2:00	1.52	3:00	1.58	4:00	1.62	2.94*
Nelson Road	23:00	1.65	23:00	1.64	0:00	1.61	0:00	1.60	1:00	1.55	1:00	1.56	2:00	1.57	3:00	1.57	3:00	1.61	4:00	1.65	3.00*
9600 River Road	23:00	1.73	23:00	1.70	0:00	1.69	0:00	1.65	1:00	1.61	1:00	1.60	2:00	1.61	3:00	1.63	4:00	1.63	4:00	1.69	3.17
Carter PS (Queensborough)	23:00	1.78	23:00	1.75	0:00	1.75	0:00	1.69	1:00	1.66	2:00	1.64	2:00	1.66	3:00	1.67	3:00	1.68	4:00	1.72	3.47
CNW Quayside	23:00	1.88	0:00	1.87	0:00	1.86	0:00	1.76	1:00	1.73	2:00	1.70	2:00	1.69	3:00	1.73	4:00	1.75	4:00	1.77	3.91
New Westminster	23:00	1.91	0:00	1.90	0:00	1.89	1:00	1.78	1:00	1.74	2:00	1.72	2:00	1.70	3:00	1.75	4:00	1.77	5:00	1.79	4.01
Manson	23:00	1.88	0:00	1.87	0:00	1.86	0:00	1.76	1:00	1.73	2:00	1.70	2:00	1.69	3:00	1.73	4:00	1.75	4:00	1.77	3.91
CNW Winvan	23:00	2.00	0:00	2.01	0:00	1.99	1:00	1.87	1:00	1.81	2:00	1.80	3:00	1.78	3:00	1.81	4:00	1.85	5:00	1.88	4.19
Fraser R. at Port Mann PS - 08MH126	23:00	2.05	0:00	2.07	0:00	2.04	1:00	1.92	1:00	1.84	2:00	1.83	3:00	1.83	3:00	1.84	4:00	1.88	5:00	1.92	4.62
Port Mann Bridge	23:00	2.05	0:00	2.07	0:00	2.04	1:00	1.92	1:00	1.84	2:00	1.83	3:00	1.83	3:00	1.84	4:00	1.88	5:00	1.92	4.62
Pitt River at Argue St	23:00	2.14	0:00	2.17	0:00	2.13	1:00	1.99	2:00	1.90	2:00	1.88	3:00	1.89	4:00	1.89	4:00	1.94	5:00	1.98	4.93
Kennedy Slough PS	23:00	2.11	1:00	2.16	1:00	2.12	1:00	1.97	2:00	1.88	2:00	1.85	3:00	1.86	4:00	1.87	4:00	1.91	5:00	1.97	4.93
Pitt R. near Port Coquitlam - 08MH035	23:00	2.11	1:00	2.16	1:00	2.12	1:00	1.97	2:00	1.88	2:00	1.85	3:00	1.86	4:00	1.87	4:00	1.91	5:00	1.97	4.93
Coquitlam, Gauge on outlet structure	9:00	1.98	4:00	2.10	4:00	2.04	4:00	1.85	4:00	1.72	4:00	1.69	4:00	1.69	5:00	1.72	5:00	1.77	6:00	1.82	4.93
Baynes PS	23:00	2.54	1:00	2.61	1:00	2.53	1:00	2.33	2:00	2.22	3:00	2.19	3:00	2.18	4:00	2.19	4:00	2.21	5:00	2.25	5.69
192nd Street	23:00	2.72	1:00	2.81	1:00	2.71	2:00	2.49	2:00	2.37	3:00	2.34	3:00	2.32	4:00	2.33	5:00	2.35	5:00	2.37	5.88
Yorkson	23:00	2.80	1:00	2.89	1:00	2.79	2:00	2.56	2:00	2.43	3:00	2.40	3:00	2.37	4:00	2.38	5:00	2.41	5:00	2.42	5.98
GEB Burnco	23:00	2.93	1:00	3.02	1:00	2.91	2:00	2.67	2:00	2.53	3:00	2.50	3:00	2.47	4:00	2.48	5:00	2.50	5:00	2.50	6.05
Salmon River Confluence	23:00	3.43	2:00	3.54	2:00	3.39	2:00	3.10	3:00	2.94	3:00	2.89	4:00	2.86	5:00	2.84	5:00	2.87	6:00	2.86	6.84
Salmon River PS	23:00	3.43	2:00	3.54	2:00	3.39	2:00	3.10	3:00	2.94	3:00	2.89	4:00	2.86	5:00	2.84	5:00	2.87	6:00	2.86	6.89
Albion PS	23:00	3.37	1:00	3.47	1:00	3.33	2:00	3.05	3:00	2.89	3:00	2.84	4:00	2.81	4:00	2.79	5:00	2.82	6:00	2.82	6.75
Albion Ferry Dock	23:00	3.44	2:00	3.55	2:00	3.40	2:00	3.12	3:00	2.96	3:00	2.91	4:00	2.88	5:00	2.86	5:00	2.88	6:00	2.88	6.97
Fraser R. at Whonnock - 08MH044	23:00	3.99	3:00	4.11	2:00	3.92	2:00	3.60	3:00	3.43	4:00	3.37	5:00	3.33	5:00	3.31	6:00	3.31	6:00	3.30	7.57
Glen Valley PS	11:00	4.07	3:00	4.19	2:00	4.00	3:00	3.67	3:00	3.49	4:00	3.43	5:00	3.40	5:00	3.37	6:00	3.37	6:00	3.35	7.69
Silverdale PS	12:00	4.42	4:00	4.55	2:00	4.33	3:00	3.98	4:00	3.79	5:00	3.74	5:00	3.69	6:00	3.66	6:00	3.66	7:00	3.63	8.19
McLennan Creek PS	12:00	4.79	4:00	4.92	2:00	4.66	3:00	4.29	4:00	4.09	5:00	4.04	5:00	3.98	6:00	3.95	7:00	3.94	7:00	3.90	8.63
Matsqui Slough Discharge	12:00	4.96	4:00	5.08	2:00	4.82	3:00	4.44	5:00	4.24	5:00	4.19	5:00	4.13	6:00	4.10	7:00	4.09	7:00	4.04	8.71
Fraser R. at Mission - 08MH024	13:00	5.23	4:00	5.34	2:00	5.07	4:00	4.70	5:00	4.50	5:00	4.43	6:00	4.38	6:00	4.33	7:00	4.33	7:00	4.28	8.89
Dewdney PS	23:00	5.64	4:00	5.74	3:00	5.44	4:00	5.06	5:00	4.85	6:00	4.77	6:00	4.71	7:00	4.66	7:00	4.65	8:00	4.59	9.42
Robson PS	16:00	6.11	4:00	6.20	3:00	5.88	4:00	5.48	6:00	5.28	6:00	5.20	7:00	5.14	7:00	5.08	8:00	5.06	8:00	4.99	9.92
McGillivray Slough PS	17:00	6.52	4:00	6.59	0:00	6.27	5:00	5.88	7:00	5.76	6:00	5.60	7:00	5.50	8:00	5.42	8:00	5.40	8:00	5.32	10.30
Fraser R. at Cannor - 08MF038	18:00	6.92	4:00	6.97	0:00	6.65	4:00	6.25	6:00	6.06	7:00	5.99	7:00	5.94	8:00	5.89	8:00	5.86	8:00	5.78	10.32
Quaamitch Slough	18:00	7.16	4:00	7.20	0:00	6.90	4:00	6.50	6:00	6.32	7:00	6.26	7:00	6.21	8:00	6.16	8:00	6.14	8:00	6.05	10.69
Chilliwack Creek PS (Wolfe Road)	19:00	8.08	3:00	8.09	0:00	7.84	0:00	7.54	6:00	7.39	7:00	7.35	7:00	7.32	8:00	7.29	8:00	7.27	0:00	7.21	10.78
Bell Dam	19:00	8.87	2:00	8.87	0:00	8.60	0:00	8.27	6:00	8.10	8:00	8.06	8:00	8.03	8:00	8.00	0:00	7.97	0:00	7.91	11.21
Hope Slough at Young Road	19:00	8.36	3:00	8.37	0:00	8.13	0:00	7.85	7:00	7.70	7:00	7.67	7:00	7.64	8:00	7.61	8:00	7.59	0:00	7.54	11.49
Minto Landing Area (Bell Slough)	19:00	10.13	0:00	10.12	0:00	9.82	0:00	9.51	0:00	9.33	7:00	9.30	0:00	9.28	0:00	9.25	0:00	9.23	0:00	9.17	11.45
Fraser R. at Bell Slough	19:00	10.13	0:00	10.12	0:00	9.82	0:00	9.51	0:00	9.33	7:00	9.30	0:00	9.28	0:00	9.25	0:00	9.23	0:00	9.17	12.98
Fraser R. near Harrison Mills - 08MF073	19:00	10.25	0:00	10.24	0:00	10.00	0:00	9.74	0:00	9.59	0:00	9.55	0:00	9.53	0:00	9.49	0:00	9.47	0:00	9.41	12.98
Harrison R. at Harrison Mills - 08MG014	19:00	10.89	0:00	10.88	0:00	10.62	0:00	10.33	0:00	10.17	0:00	10.12	0:00	10.09	0:00	10.05	0:00	10.02	0:00	9.95	13.13
Harrison Mills (Kilby)	19:00	10.89	0:00	10.88	0:00	10.62	0:00	10.33	0:00	10.17	0:00	10.12	0:00	10.09	0:00	10.05	0:00	10.02	0:00	9.95	13.70
Duncan Bateson PS	19:00	10.98	0:00	10.97	0:00	10.75	0:00	10.49	0:00	10.33	0:00	10.28	0:00	10.24	0:00	10.19	0:00	10.15	0:00	10.07	13.70
Harrison R. below Morris Creek - 08MG022	19:00	11.07	0:00	11.06	0:00	10.91	0:00	10.72	0:00	10.60	0:00	10.54	0:00	10.49	0:00	10.43	0:00	10.37	0:00	10.29	13.74
Scowitz	19:00	11.16	0:00	11.14	0:00	10.87	0:00	10.58	0:00	10.42	0:00	10.39	0:00	10.37	0:00	10.34	0:00	10.32	0:00	10.26	13.77
Harrison L. near Harrison Hot Springs - 08MG012	0:00	11.32	1:00	11.30	0:00	11.28	0:00	11.19	0:00	11.09	0:00	11.02	0:00	10.94	0:00	10.85	0:00	10.76	0:00	10.66	13.88
Lower Kent	19:00	11.77	0:00	11.75	0:00	11.44	0:00	11.14	0:00	10.99	0:00	10.96	0:00	10.9							