

Lower Fraser River Water Level Forecasting

Ministry of Forests (FOR)

Predicted Daily Peak Water Levels for: **18-Jul-22 to 27-Jul-22**

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

Flow at Hope (m ³ /s) forecasted by RFC	Day 1: 18-Jul-22 8387 (t + 0 forecast)		Day 2: 19-Jul-22 8219 (t + 1 forecast)		Day 3: 20-Jul-22 8080 (t + 2 forecast)		Day 4: 21-Jul-22 7942 (t + 3 forecast)		Day 5: 22-Jul-22 7781 (t + 4 forecast)		Day 6: 23-Jul-22 7622 (t + 5 forecast)		Day 7: 24-Jul-22 7408 (t + 6 forecast)		Day 8: 25-Jul-22 7220 (t + 7 forecast)		Day 9: 26-Jul-22 7124 (t + 8 forecast)		Day 10: 27-Jul-22 7045 (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)	Design Level (m GSC)
Bath Slough	23:00	1.84	0:00	1.82	0:00	1.76	1:00	1.61	1:00	1.49	2:00	1.25	18:00	1.30	19:00	1.41	20:00	1.44	20:00	1.48	2.96*	
Fraser R. at Byrne Creek	23:00	1.93	0:00	1.94	0:00	1.87	1:00	1.71	1:00	1.58	2:00	1.35	18:00	1.38	19:00	1.48	20:00	1.52	20:00	1.55	3.12*	
Queensborough	23:00	1.98	0:00	2.01	0:00	1.92	1:00	1.78	1:00	1.63	2:00	1.42	18:00	1.41	19:00	1.51	20:00	1.55	20:00	1.57	3.06*	
CNW Fraser River Pile and Dredge	23:00	1.99	0:00	2.03	0:00	1.94	1:00	1.81	1:00	1.69	2:00	1.50	19:00	1.45	19:00	1.52	20:00	1.57	20:00	1.58	3.41*	
Fraser R. at Steveston - 08MH028	23:00	1.72	23:00	1.59	0:00	1.58	0:00	1.49	1:00	1.31	1:00	1.04	18:00	1.15	19:00	1.27	19:00	1.32	20:00	1.34	2.84*	
3395 River Road	23:00	1.78	0:00	1.68	0:00	1.66	0:00	1.50	1:00	1.35	1:00	1.07	18:00	1.19	19:00	1.28	19:00	1.36	20:00	1.38	2.87*	
Elliot & River Road	23:00	1.85	0:00	1.77	0:00	1.74	0:00	1.58	1:00	1.43	2:00	1.17	18:00	1.26	19:00	1.36	19:00	1.40	20:00	1.45	2.89*	
62B & River Road	23:00	1.87	0:00	1.81	0:00	1.78	0:00	1.62	1:00	1.50	2:00	1.27	18:00	1.30	19:00	1.40	19:00	1.43	20:00	1.47	2.94*	
Fraser R. at Deas Island Tunnel - 08MH053	23:00	1.85	0:00	1.77	0:00	1.75	0:00	1.60	1:00	1.47	2:00	1.22	18:00	1.28	19:00	1.38	19:00	1.41	20:00	1.45	2.93*	
No. 6 Road	23:00	1.86	0:00	1.79	0:00	1.76	0:00	1.61	1:00	1.49	2:00	1.25	18:00	1.29	19:00	1.39	19:00	1.42	20:00	1.46	2.94*	
Nelson Road	23:00	1.91	0:00	1.88	0:00	1.83	1:00	1.68	1:00	1.56	2:00	1.34	19:00	1.34	19:00	1.44	20:00	1.47	20:00	1.50	3.00*	
9600 River Road	23:00	1.94	0:00	1.95	0:00	1.87	1:00	1.75	1:00	1.63	2:00	1.44	19:00	1.39	19:00	1.47	20:00	1.51	20:00	1.52	3.17	
Carter PS (Queensborough)	23:00	1.98	0:00	1.99	0:00	1.90	1:00	1.79	1:00	1.67	2:00	1.49	19:00	1.45	19:00	1.49	20:00	1.56	20:00	1.56	3.47	
CNW Quayside	0:00	2.05	0:00	2.07	0:00	1.98	1:00	1.89	2:00	1.80	2:00	1.64	3:00	1.57	20:00	1.58	20:00	1.61	21:00	1.61	3.91	
New Westminster	0:00	2.08	0:00	2.09	0:00	2.00	1:00	1.92	2:00	1.83	2:00	1.67	3:00	1.61	20:00	1.60	20:00	1.63	21:00	1.63	4.01	
Manson	0:00	2.05	0:00	2.07	0:00	1.98	1:00	1.89	2:00	1.80	2:00	1.64	3:00	1.57	20:00	1.58	20:00	1.61	21:00	1.61	3.91	
CNW Winvan	0:00	2.18	0:00	2.18	1:00	2.09	1:00	2.01	2:00	1.93	2:00	1.78	3:00	1.73	20:00	1.69	21:00	1.70	21:00	1.71	4.19	
Fraser R. at Port Mann PS - 08MH126	0:00	2.24	0:00	2.21	1:00	2.14	1:00	2.05	2:00	1.98	2:00	1.83	3:00	1.79	4:00	1.76	21:00	1.74	21:00	1.74	4.62	
Port Mann Bridge	0:00	2.24	0:00	2.21	1:00	2.14	1:00	2.05	2:00	1.98	2:00	1.83	3:00	1.79	4:00	1.76	21:00	1.74	21:00	1.74	4.62	
Pitt River at Argue St	0:00	2.33	0:00	2.28	1:00	2.23	2:00	2.13	2:00	2.08	3:00	1.95	3:00	1.91	4:00	1.88	4:00	1.84	5:00	1.83	4.93	
Kennedy Slough PS	0:00	2.31	1:00	2.24	1:00	2.21	2:00	2.13	3:00	2.08	3:00	1.97	3:00	1.93	4:00	1.90	5:00	1.87	6:00	1.85	4.93	
Pitt R. near Port Coquitlam - 08MH035	0:00	2.31	1:00	2.24	1:00	2.21	2:00	2.13	3:00	2.08	3:00	1.97	3:00	1.93	4:00	1.90	5:00	1.87	6:00	1.85	4.93	
Coquitlam, Gauge on outlet structure	3:00	2.18	3:00	2.12	4:00	2.06	4:00	2.02	3:00	1.99	4:00	1.90	4:00	1.87	5:00	1.85	5:00	1.82	6:00	1.80	4.93	
Baynes PS	0:00	2.72	1:00	2.65	1:00	2.58	2:00	2.50	3:00	2.44	3:00	2.32	4:00	2.27	4:00	2.24	5:00	2.19	5:00	2.17	5.69	
192nd Street	0:00	2.89	1:00	2.82	1:00	2.74	2:00	2.67	3:00	2.61	3:00	2.49	4:00	2.44	4:00	2.40	5:00	2.35	6:00	2.32	5.88	
Yorkson	0:00	2.96	1:00	2.89	2:00	2.81	2:00	2.73	3:00	2.68	3:00	2.56	4:00	2.51	4:00	2.46	5:00	2.42	6:00	2.38	5.98	
GEB Burnco	0:00	3.07	1:00	3.00	2:00	2.93	2:00	2.84	3:00	2.79	3:00	2.67	4:00	2.62	4:00	2.57	5:00	2.52	6:00	2.49	6.05	
Salmon River Confluence	0:00	3.50	2:00	3.44	2:00	3.37	3:00	3.28	3:00	3.21	4:00	3.09	4:00	3.03	5:00	2.98	6:00	2.91	6:00	2.87	6.84	
Salmon River PS	0:00	3.50	2:00	3.44	2:00	3.37	3:00	3.28	3:00	3.21	4:00	3.09	4:00	3.03	5:00	2.98	6:00	2.91	6:00	2.87	6.89	
Albion PS	0:00	3.45	2:00	3.38	2:00	3.31	3:00	3.23	3:00	3.16	4:00	3.04	4:00	2.99	5:00	2.93	5:00	2.87	6:00	2.83	6.75	
Albion Ferry Dock	0:00	3.51	2:00	3.45	2:00	3.38	3:00	3.29	3:00	3.23	4:00	3.11	4:00	3.05	5:00	2.99	5:00	2.93	6:00	2.89	6.97	
Fraser R. at Whonnock - 08MH044	0:00	3.99	2:00	3.94	3:00	3.87	3:00	3.78	4:00	3.71	4:00	3.60	5:00	3.54	5:00	3.46	6:00	3.40	7:00	3.35	7.57	
Glen Valley PS	3:00	4.07	2:00	4.01	3:00	3.94	3:00	3.85	4:00	3.78	4:00	3.66	5:00	3.60	5:00	3.53	6:00	3.46	7:00	3.41	7.69	
Silverdale PS	3:00	4.40	3:00	4.33	3:00	4.25	4:00	4.16	4:00	4.09	5:00	3.97	5:00	3.91	6:00	3.83	6:00	3.76	7:00	3.70	8.19	
McLennan Creek PS	3:00	4.74	3:00	4.67	3:00	4.57	4:00	4.48	5:00	4.40	5:00	4.29	5:00	4.22	6:00	4.13	6:00	4.05	7:00	3.99	8.63	
Matsqui Slough Discharge	3:00	4.90	3:00	4.82	4:00	4.73	4:00	4.63	5:00	4.56	5:00	4.44	6:00	4.37	6:00	4.28	6:00	4.20	7:00	4.14	8.71	
Fraser R. at Mission - 08MH024	3:00	5.15	4:00	5.08	4:00	4.99	5:00	4.90	5:00	4.82	5:00	4.70	6:00	4.63	6:00	4.53	7:00	4.44	8:00	4.40	8.89	
Dewdney PS	4:00	5.53	4:00	5.46	5:00	5.37	5:00	5.28	6:00	5.19	6:00	5.07	6:00	4.98	6:00	4.88	7:00	4.78	8:00	4.74	9.42	
Robson PS	4:00	5.99	5:00	5.92	5:00	5.82	6:00	5.72	6:00	5.64	6:00	5.52	6:00	5.42	6:00	5.31	7:00	5.21	8:00	5.16	9.92	
McGillivray Slough PS	4:00	6.39	5:00	6.32	6:00	6.22	6:00	6.12	6:00	6.03	7:00	5.92	6:00	5.83	6:00	5.71	8:00	5.61	9:00	5.57	10.30	
Fraser R. at Cannon - 08MF038	4:00	6.77	5:00	6.70	6:00	6.61	6:00	6.51	6:00	6.42	7:00	6.31	6:00	6.22	6:00	6.11	7:00	6.02	9:00	5.97	10.32	
Quaamitch Slough	4:00	7.01	5:00	6.94	6:00	6.85	6:00	6.76	6:00	6.67	7:00	6.57	6:00	6.48	5:00	6.37	7:00	6.29	9:00	6.24	10.69	
Chilliwack Creek PS (Wolfe Road)	0:00	7.94	6:00	7.88	6:00	7.81	6:00	7.74	6:00	7.67	0:00	7.59	0:00	7.53	0:00	7.45	1:00	7.38	9:00	7.34	10.78	
Bell Dam	0:00	8.72	6:00	8.64	5:00	8.56	6:00	8.48	0:00	8.41	0:00	8.33	0:00	8.26	0:00	8.17	1:00	8.10	1:00	8.05	11.21	
Hope Slough at Young Road	0:00	8.23	5:00	8.17	6:00	8.10	6:00	8.03	6:00	7.97	0:00	7.90	0:00	7.84	0:00	7.76	1:00	7.70	9:00	7.66	11.49	
Minto Landing Area (Bell Slough)	0:00	9.96	0:00	9.87	0:00	9.80	0:00	9.73	0:00	9.66	0:00	9.58	0:00	9.51	0:00	9.41	0:00	9.34	0:00	9.29	11.45	
Fraser R. at Bell Slough	0:00	9.96	0:00	9.87	0:00	9.80	0:00	9.73	0:00	9.66	0:00	9.58	0:00	9.51	0:00	9.41	0:00	9.34	0:00	9.29	12.98	
Fraser R. near Harrison Mills - 08MF073	0:00	10.13	0:00	10.06	0:00	10.00	0:00	9.93	0:00	9.87	0:00	9.80	0:00	9.73	0:00	9.65	0:00	9.59	0:00	9.54	12.98	
Harrison R. at Harrison Mills - 08MG014	0:00	10.77	0:00	10.69	0:00	10.63	0:00	10.55	0:00	10.48	0:00	10.40	0:00	10.33	0:00	10.24	0:00	10.16	0:00	10.11	13.13	
Harrison Mills (Kilby)	0:00	10.77	0:00	10.69	0:00	10.63	0:00	10.55	0:00	10.48	0:00	10.40	0:00	10.33	0:00	10.24	0:00	10.16	0:00	10.11	13.70	
Duncan Bateson PS	0:00	10.91	0:00	10.85	0:00	10.78	0:00	10.71	0:00	10.64	0:00	10.55	0:00	10.48	0:00	10.40	0:00	10.32	0:00	10.27	13.70	
Harrison R. below Morris Creek - 08MG022	0:00	11.05	0:00	11.01	0:00	10.97	0:00	10.90	0:00	10.83	0:00	10.75	0:00	10.69	0:00	10.63	0:00	10.57	0:00	10.52	13.74	
Scowitz	0:00	11.00	0:00	10.92	0:00	10.85	0:00	10.79	0:00	10.72	0:00	10.65	0:00	10.58	0:00	10.49	0:00	10.42	0:00	10.38	13.77	
Harrison L. near Harrison Hot Springs - 08MG012	22:00	11.42	0:00	11.42	0:00	11.40	0:00	11.33	0:00	11.26	0:00	11.18	0:00	11.13	0:00	11.09						