

# Lower Fraser River Water Level Forecasting

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

Predicted Daily Peak Water Levels for: **22-Jul-20 to 31-Jul-20**

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: 22-Jul-20		Day 2: 23-Jul-20		Day 3: 24-Jul-20		Day 4: 25-Jul-20		Day 5: 26-Jul-20		Day 6: 27-Jul-20		Day 7: 28-Jul-20		Day 8: 29-Jul-20		Day 9: 30-Jul-20		Day 10: 31-Jul-20		1894 Flood		
	(t+0 forecast)	(t+1 forecast)	(t+1 forecast)	(t+2 forecast)	(t+2 forecast)	(t+3 forecast)	(t+3 forecast)	(t+4 forecast)	(t+4 forecast)	(t+5 forecast)	(t+5 forecast)	(t+6 forecast)	(t+6 forecast)	(t+7 forecast)	(t+7 forecast)	(t+8 forecast)	(t+8 forecast)	(t+9 forecast)	(t+9 forecast)	(t+9 forecast)	(t+9 forecast)	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)	Time of peak (HH:MM)	Peak level (m GSC)	Design Level (m GSC)
Bath Slough	21:00	1.66	22:00	1.68	23:00	1.69	23:00	1.69	0:00	1.62	0:00	1.64	0:00	1.60	1:00	1.50	2:00	1.37	17:00	1.28	2.96*		
Fraser R. at Byrne Creek	21:00	1.69	22:00	1.73	23:00	1.73	23:00	1.73	0:00	1.68	0:00	1.69	1:00	1.62	1:00	1.54	2:00	1.43	3:00	1.33	3.12*		
Queensborough	22:00	1.72	22:00	1.78	23:00	1.76	23:00	1.77	0:00	1.72	0:00	1.71	1:00	1.67	1:00	1.59	2:00	1.48	3:00	1.39	3.06*		
CNW Fraser River Pile and Dredge	22:00	1.77	22:00	1.81	23:00	1.80	23:00	1.79	0:00	1.77	0:00	1.76	1:00	1.71	1:00	1.64	2:00	1.53	3:00	1.45	3.41*		
Fraser R. at Steveston - 08MH028	21:00	1.57	21:00	1.57	22:00	1.65	23:00	1.61	23:00	1.55	0:00	1.50	0:00	1.48	1:00	1.33	1:00	1.22	17:00	1.25	2.84*		
3395 River Road	21:00	1.55	22:00	1.61	22:00	1.63	23:00	1.63	23:00	1.58	0:00	1.54	0:00	1.49	1:00	1.37	1:00	1.22	17:00	1.27	2.87*		
Elliot & River Road	21:00	1.60	22:00	1.67	22:00	1.67	23:00	1.67	23:00	1.60	0:00	1.60	0:00	1.55	1:00	1.43	2:00	1.29	17:00	1.29	2.89*		
62B & River Road	21:00	1.67	22:00	1.69	22:00	1.71	23:00	1.71	23:00	1.60	0:00	1.63	0:00	1.58	1:00	1.48	2:00	1.36	17:00	1.28	2.94*		
Fraser R. at Deas Island Tunnel - 08MH053	21:00	1.65	22:00	1.67	22:00	1.70	23:00	1.70	23:00	1.60	0:00	1.62	0:00	1.57	1:00	1.46	2:00	1.33	17:00	1.28	2.93*		
No. 6 Road	21:00	1.66	22:00	1.68	22:00	1.70	23:00	1.71	23:00	1.60	0:00	1.63	0:00	1.58	1:00	1.47	2:00	1.35	17:00	1.28	2.94*		
Nelson Road	21:00	1.70	22:00	1.72	23:00	1.72	23:00	1.74	0:00	1.65	0:00	1.67	0:00	1.61	1:00	1.53	2:00	1.42	3:00	1.32	3.00*		
9600 River Road	21:00	1.73	22:00	1.77	23:00	1.76	23:00	1.76	0:00	1.72	0:00	1.72	1:00	1.66	1:00	1.59	2:00	1.48	3:00	1.40	3.17		
Carter PS (Queensborough)	21:00	1.77	22:00	1.78	23:00	1.79	23:00	1.78	0:00	1.76	0:00	1.75	1:00	1.69	1:00	1.65	2:00	1.54	3:00	1.45	3.47		
CNW Quayside	22:00	1.84	22:00	1.85	23:00	1.85	23:00	1.82	0:00	1.82	0:00	1.80	1:00	1.79	2:00	1.73	2:00	1.63	3:00	1.54	3.91		
New Westminster	22:00	1.86	22:00	1.86	23:00	1.87	23:00	1.83	0:00	1.84	0:00	1.81	1:00	1.81	2:00	1.76	2:00	1.65	3:00	1.57	4.01		
Manson	22:00	1.84	22:00	1.85	23:00	1.85	23:00	1.82	0:00	1.82	0:00	1.80	1:00	1.79	2:00	1.73	2:00	1.63	3:00	1.54	3.91		
CNW Winvan	22:00	1.93	22:00	1.92	23:00	1.93	23:00	1.88	0:00	1.91	0:00	1.88	1:00	1.90	2:00	1.85	2:00	1.73	3:00	1.66	4.19		
Fraser R. at Port Mann PS - 08MH126	7:00	1.98	23:00	1.95	23:00	1.95	0:00	1.91	0:00	1.94	0:00	1.91	1:00	1.94	2:00	1.90	3:00	1.77	3:00	1.69	4.62		
Port Mann Bridge	7:00	1.98	23:00	1.95	23:00	1.95	0:00	1.91	0:00	1.94	0:00	1.91	1:00	1.94	2:00	1.90	3:00	1.77	3:00	1.69	4.62		
Pitt River at Argue St	7:00	2.10	23:00	2.02	23:00	2.00	0:00	1.97	0:00	1.99	1:00	1.96	1:00	2.02	2:00	1.99	3:00	1.86	3:00	1.77	4.93		
Kennedy Slough PS	8:00	2.10	8:00	1.99	0:00	1.94	0:00	1.94	0:00	1.94	1:00	1.93	1:00	1.99	2:00	1.98	3:00	1.87	4:00	1.78	4.93		
Pitt R. near Port Coquitlam - 08MH035	8:00	2.10	8:00	1.99	0:00	1.94	0:00	1.94	0:00	1.94	1:00	1.93	1:00	1.99	2:00	1.98	3:00	1.87	4:00	1.78	4.93		
Coquitlam, Gauge on outlet structure	9:00	2.03	8:00	1.91	3:00	1.80	2:00	1.75	1:00	1.75	3:00	1.74	3:00	1.85	3:00	1.87	4:00	1.79	4:00	1.70	4.93		
Baynes PS	8:00	2.48	0:00	2.35	0:00	2.29	0:00	2.28	0:00	2.29	1:00	2.28	2:00	2.36	2:00	2.31	3:00	2.18	4:00	2.06	5.69		
192nd Street	8:00	2.65	0:00	2.53	0:00	2.45	0:00	2.42	0:00	2.42	1:00	2.42	2:00	2.52	2:00	2.47	3:00	2.32	4:00	2.19	5.88		
Yorkson	8:00	2.72	0:00	2.60	0:00	2.52	0:00	2.48	1:00	2.48	1:00	2.48	2:00	2.59	3:00	2.53	3:00	2.38	4:00	2.25	5.98		
GEB Burnco	8:00	2.84	0:00	2.71	0:00	2.62	0:00	2.57	1:00	2.58	1:00	2.57	2:00	2.70	3:00	2.64	3:00	2.48	4:00	2.34	6.05		
Salmon River Confluence	9:00	3.29	0:00	3.16	0:00	3.02	0:00	2.95	1:00	2.96	2:00	2.97	2:00	3.11	3:00	3.06	4:00	2.85	4:00	2.68	6.84		
Salmon River PS	9:00	3.29	0:00	3.16	0:00	3.02	0:00	2.95	1:00	2.96	2:00	2.97	2:00	3.11	3:00	3.06	4:00	2.85	4:00	2.68	6.89		
Albion PS	8:00	3.24	0:00	3.11	0:00	2.97	0:00	2.91	1:00	2.92	2:00	2.93	2:00	3.07	3:00	3.01	4:00	2.81	4:00	2.64	6.75		
Albion Ferry Dock	9:00	3.31	0:00	3.18	0:00	3.04	1:00	2.97	1:00	2.98	2:00	2.99	2:00	3.14	3:00	3.08	4:00	2.87	4:00	2.70	6.97		
Fraser R. at Whonock - 08MH044	9:00	3.81	0:00	3.67	1:00	3.50	1:00	3.42	2:00	3.43	3:00	3.46	3:00	3.63	4:00	3.55	4:00	3.32	5:00	3.13	7.57		
Glen Valley PS	9:00	3.88	0:00	3.74	1:00	3.56	1:00	3.49	2:00	3.50	3:00	3.52	4:00	3.70	4:00	3.62	4:00	3.38	5:00	3.18	7.69		
Silverdale PS	9:00	4.20	1:00	4.05	1:00	3.86	2:00	3.78	2:00	3.79	4:00	3.84	4:00	4.02	4:00	3.92	4:00	3.67	5:00	3.45	8.19		
McLennan Creek PS	10:00	4.52	1:00	4.36	1:00	4.16	2:00	4.08	2:00	4.08	4:00	4.15	4:00	4.34	4:00	4.22	5:00	3.95	5:00	3.72	8.63		
Matsqui Slough Discharge	10:00	4.68	1:00	4.52	1:00	4.31	2:00	4.23	3:00	4.23	4:00	4.31	4:00	4.49	4:00	4.37	5:00	4.09	6:00	3.86	8.71		
Fraser R. at Mission - 08MH024	10:00	4.93	1:00	4.77	2:00	4.55	3:00	4.48	3:00	4.48	5:00	4.57	5:00	4.75	4:00	4.63	5:00	4.33	6:00	4.10	8.89		
Dewdney PS	10:00	5.29	2:00	5.12	2:00	4.88	3:00	4.82	4:00	4.82	23:00	4.93	5:00	5.10	5:00	4.97	5:00	4.65	6:00	4.41	9.42		
Robson PS	10:00	5.73	2:00	5.55	2:00	5.30	4:00	5.25	4:00	5.24	19:00	5.39	5:00	5.54	5:00	5.39	4:00	5.05	6:00	4.80	9.92		
McGillivray Slough PS	10:00	6.10	2:00	5.92	2:00	5.67	5:00	5.62	4:00	5.61	19:00	5.79	6:00	5.92	5:00	5.75	0:00	5.42	7:00	5.16	10.30		
Fraser R. at Cannon - 08MF038	9:00	6.50	2:00	6.33	2:00	6.08	5:00	6.05	5:00	6.04	23:00	6.24	6:00	6.34	4:00	6.17	0:00	5.86	7:00	5.60	10.32		
Quaamitch Slough	9:00	6.74	2:00	6.58	2:00	6.34	5:00	6.32	5:00	6.30	23:00	6.51	6:00	6.59	0:00	6.43	0:00	6.13	6:00	5.88	10.69		
Chilliwack Creek PS (Wolfe Road)	0:00	7.58	0:00	7.44	1:00	7.25	6:00	7.24	23:00	7.24	22:00	7.42	6:00	7.46	0:00	7.33	0:00	7.10	0:00	6.91	10.78		
Bell Dam	0:00	8.48	0:00	8.33	0:00	8.14	6:00	8.13	23:00	8.15	22:00	8.33	6:00	8.35	0:00	8.23	0:00	7.97	0:00	7.77	11.21		
Hope Slough at Young Road	1:00	8.03	0:00	7.90	0:00	7.73	6:00	7.72	23:00	7.73	22:00	7.89	6:00	7.92	0:00	7.81	0:00	7.59	0:00	7.41	11.49		
Minto Landing Area (Bell Slough)	0:00	9.76	0:00	9.60	0:00	9.40	9:00	9.40	23:00	9.46	23:00	9.65	5:00	9.66	0:00	9.52	0:00	9.23	0:00	9.02	11.45		
Fraser R. at Bell Slough	0:00	9.76	0:00	9.60	0:00	9.40	9:00	9.40	23:00	9.46	23:00	9.65	5:00	9.66	0:00	9.52	0:00	9.23	0:00	9.02	12.98		
Fraser R. near Harrison Mills - 08MF073	0:00	9.92	0:00	9.80	0:00	9.62	7:00	9.61	23:00	9.65	23:00	9.80	4:00	9.80	0:00	9.69	0:00	9.46	0:00	9.28	12.98		
Harrison R. at Harrison Mills - 08MG014	0:00	10.53	0:00	10.40	0:00	10.21	8:00	10.20	23:00	10.23	22:00	10.38	0:00	10.38	0:00	10.26	0:00	10.01	0:00	9.81	13.13		
Harrison Mills (Kilby)	0:00	10.51	0:00	10.37	0:00	10.19	7:00	10.17	23:00	10.21	23:00	10.36	0:00	10.36	0:00	10.24	0:00	9.99	0:00	9.79	13.70		
Duncan Bateson PS	0:00	10.59	0:00	10.47	0:00	10.30	6:00	10.27	23:00	10.28	23:00	10.41	0:00	10.41	0:00	10.31	0:00	10.08	0:00	9.89	13.70		
Harrison R. below Morris Creek - 08MG022	0:00	10.67	0:00	10.59	0:00	10.48	4:00	10.43	0:00	10.39	22:00	10.47	0:00	10.47	0:00	10.40	0:00	10.23	0:00	10.09	13.74		
Scowitz	0:00	10.80	0:00	10.65	0:00	10.46	8:00	10.47	23:00	10.53	23:00	10.69	0:00	10.69	0:00	10.56	0:00	10.30	0:00	10.11	13.77		
Harrison L. near Harrison Hotsprings - 08MG012	7:00	10.88	0:00	10.87	0:00	10.82	0:00	10.75	0:00	10.69	0:00	10.62	0:00	10.60	0:00	10.58	18:00	10.58	0:00	10.4			

