



INCIDENT NAME

Big Bar Landslide

INCIDENT LOCATION

North of Big Bar on the Fraser River



Fisheries and Oceans
Canada

Pêches et Océans
Canada



BRITISH
COLUMBIA

UPDATES

- A large slab of rock calved off just upstream of a narrow portion of the Fraser River near Big Bar, creating a blockage and five metre waterfall in a section of the river.
- Based on the magnitude of the obstruction, salmon migrating upstream may not be able to reach their spawning grounds. A number of salmon species that are a significant conservation concern need to pass through the area. Those include Interior Fraser Steelhead (Chilcotin), Spring/Summer 5-2 Chinook, Interior Fraser Coho, Early Stuart Sockeye, Early Summer Sockeye, Summer Run Sockeye and Fraser Pinks.
- The BC Government, Fisheries and Oceans Canada, geotechnical engineers and the Canadian Coast Guard, with involvement from First Nations are assessing the situation and evaluating options to address the conditions and risk to salmon.
- The integrated unified command post in Lillooet, B.C. is using information from technical experts to create options for evaluation and action.
- First Nations upriver of the Big Bar Landslide site rely on the returning salmon for fish food fisheries. This incident is of vital concern to them and they are engaged in the decision-making process.
- Potential options being considered to improve fish passage through the area:
 1. Take no immediate action and continue to monitor how many fish are passing through.
 2. Explore options to remove or remediate the rock obstruction itself. Several methods of doing this are being considered.
 3. Physically move fish upstream from the obstruction.
- Each of these options comes with potential benefits and some risk or possible consequences. For this reason, we are thoroughly assessing each option.
- Regardless of what action might be taken, work can only begin if the site is safe. Work to remove loose rocks in the slide area is underway.



CONTACT INFORMATION

Information Officers: Jody Lucius or Leri Davies | Hours: 0800 to 1800

250.318.7456 or 604.612.6837



<http://ow.ly/g8Tt30p4wGP>



FRASER RIVER DAILY DISCHARGE

Reading at 08 AM (m ³ /s) Wed	Forecast Daily Discharge (m ³ /s): AVERAGE									
	MAX	MIN								
2019-07-03	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	2019-07-03	2019-07-04	2019-07-05	2019-07-06	2019-07-07	2019-07-08	2019-07-09	2019-07-10	2019-07-11	2019-07-12
2830.0	2837.4	2839.8	2667.3	2560.3	2514.2	2503.3	2449.0	2349.6	2312.0	2300.2
	2833.9	2774.7	2603.0	2540.9	2505.7	2483.4	2403.0	2321.4	2310.0	2274.8
	2830.4	2675.9	2562.1	2516.2	2503.8	2452.5	2354.0	2311.0	2302.1	2252.3
			RTP=1Y	RTP=2Y	RTP=5Y	RTP=10Y	RTP=20Y	RTP=50Y	RTP=100Y	2012 Peak
Color Scheme for Return Periods:			2949.4	5294.0	6297.6	6838.1	7279.9	7758.0	8057.9	7460.0
										(m ³ /s)

Note: Both observed and forecast discharge/water level data are hourly averages. Observed discharge/water level data are provisional data from the Water Survey of Canada. When missing data are present in the observed data series, methods such as interpolation, extrapolation and referring to rating curves are used to estimate data.

DISCLAIMER: These forecasts are derived from a hydrologic model using observed climate data from Environment and Climate Change Canada (ECCC) and Province of British Columbia, and Numerical Weather Prediction (NWP) GRIB2 data from the Canadian Meteorological Centre (CMC), ECCC. The model and data have limitations, inaccuracies and errors. As such, values given in the above charts should only be treated as estimates, are provided for guidance only, and are subject to change. The actual discharges or water levels observed will be different from the forecasts. Users of this data must accept all responsibility for their use and interpretation.