



INCIDENT NAME

Big Bar Landslide

INCIDENT LOCATION

North of Big Bar on the Fraser River

DATE PREPARED

July 27, 2019



Fisheries and Oceans
Canada

Pêches et Océans
Canada



UPDATES

- Radio tagging and relocation operations are ongoing.
- Drones have been used in order to provide footage to help with operational strategies. This allows engineers, fish biologists, scalers, and operational specialists to see parts of the landslide site that are currently inaccessible due to extreme water conditions. The drone will be used regularly to provide operational assistance.
- Scaling crews continue to remove rock from the landslide face, with the assistance of helicopter sluicing. Last night we began rock manipulation at the water level and this will continue today. The purpose of rock manipulation is to strategically place rock into predetermined locations in the river, based on river hydraulics, to create a natural fish passage.
- Many ideas are being considered and, if feasible, are being developed in order to create a long-term solution that will enable the salmon to continue migrating and spawning upstream. A temporary and adjustable fish ladder will be installed. This will allow fish to jump into tiered ponds, where they can gradually pass the obstruction, using the pools to rest between jumps.
- Another approach is a fish wheel and we plan to have this up and running as early as next week. This wheel will be used to capture salmon for helicopter transport upstream.
- Today's weather forecast could hinder operations as winds are predicted to reach gusts of 50 kilometers per hour and thunderstorms are anticipated as well. This has the potential to interfere with air operations and pose a safety risk to scaling personnel.



The pictures above show the extreme slope of the landslide face, as well as the rough water conditions in the river below.