

LOWER FRASER RIVER DIKE PATROL GUIDELINES 2014

Dike patrols must be carried out during high water events to monitor the performance of the flood control works and identify any corrective actions. The following general guidelines have been developed for the Lower Fraser River with reference to the Mission gauge and to local flood level conditions.

Each Diking Authority should establish dike patrol frequency levels based upon specific dike conditions and the river levels from a gauge located near the dike.

STAGE I MISSION GAUGE 6.0 or a water level 2.5 M below the dike crest

At this stage the river is generally bank full and patrols should be mobilized if the river level continues to rise.

STAGE II MISSION GAUGE 6.5 or a water level 2.0 M below the dike crest

An inspection of the full dike system once each day is recommended at this stage.

STAGE III MISSION GAUGE 7.0 or a water level 1.5 M below the dike crest

Crews should patrol the dikes on a 24 hour basis.

NOTE: Local conditions may require more frequent inspections of the dikes and the river banks adjacent to dikes to monitor for seepage and erosion problems.

FRASER RIVER WATER LEVELS

Current water level readings at Hope, Laidlaw, Agassiz, Mission, Whonnock, Port Mann, Deas Island and Steveston are available from Water Survey of Canada at the following website:

http://www.wateroffice.ec.gc.ca/index_e.html

Other Fraser River water levels can be determined from a network of local gauges. A location map and forecasts of water levels at these local gauges will be available on the River Forecast Centre website when the Mission gauge approaches 6.0 metres.

<http://bcRFC.env.gov.bc.ca/>

Approved by Neil Peters, Inspector of Dikes, May 5, 2014