



FRASER RIVER FLOOD LEVELS HAVE BEEN EXTRAPOLATED FROM A STUDY TITLED "FRASER RIVER FLOOD PROFILES, DATED MAY 1969 AND PRODUCED BY THE DEPARTMENT OF THE ENVIRONMENT, INLAND WATERS DIRECTORATE, WATER PLANNING AND MANAGEMENT BRANCH, PACIFIC REGION, VANCOUVER."

SEE FRASER RIVER NEAR HOPE FLOODPLAIN MAPPING, DWG. No. 87-1-1

Use and Limitations of Floodplain Maps

- Users must note the dates of base mapping, aerial photography, river surveys and issue of mapping relevant to dates of development in the map area. Subsequent developments or changes within the floodplain or channel (natural or constructed) will affect flood levels and render site-specific map information obsolete.
- Floodplain maps are administrative tools which depict minimum flood elevations and floodplain boundaries. Flooding may occur outside of the designated floodplain boundary.
- Floodplain maps do not provide information on site-specific flood hazards such as, land erosion or high water velocity, sudden shifts in the channel of the watercourse, or atypical and debris flow fan areas.
- Other sources of water, roads, railways or other barriers can restrict water flow and affect local flood levels. As well, obstructions such as ice and debris, flooding in surrounding areas, channel deposition, groynes or other phenomena can cause flood levels to exceed those indicated on the map. Land adjacent to a floodplain may be subject to flooding from tributary watercourses.
- Floodplain maps do not indicate or locate legal survey boundaries. A site survey is required to reconcile property location, ground elevations, and designated flood level information.
- The accuracy of the location of a floodplain boundary as shown on this map is limited by the base topography. It is generally assumed to be plus or minus one-half the increment of the ground contours.
- Professional assistance and detailed engineering analysis are required to address any of the above considerations.

NOTES		FLOODPLAIN DATA		LEGEND		KEY MAP		REVISIONS		TOPOGRAPHIC MAPPING		Province of British Columbia Ministry of Environment Water Management Branch		FILE No.
Produced by: British Columbia Water Management Branch Floodplain Mapping Program.		a) The Designated Flood has a statistical frequency of occurrence of once every 200 years.		DESIGNATED FLOODPLAIN LIMIT		HOPE		1. Survey monument data added		DATE OF PHOTOGRAPHY		Province of British Columbia Ministry of Environment Water Management Branch		0305030-13
Survey: River survey done by Planning and Surveys Section, Water Management Branch.		b) Coquihalla River flood levels were computed using a standard step method modeling technique, assuming open water flow conditions and obtained from Water Management Branch drawing No. 3409-1C, titled, "Coquihalla River at Hope, Flood and Erosion Mitigation, As Constructed Site Plan and Dyke Profiles".		FLOOD LEVEL		KAWKAWA LAKE		2. Floodplain Mapping Dwg. No. 87-1-1 and additional survey monument data noted.		SEPT 19 1983		PRELIMINARY FLOODPLAIN MAPPING		SCALE
a) Horizontal control based on provincial network.		c) Floodplain limits assume the absence of all dykes.		200 Year Frequency		COQUIHALLA				FLOODPLAIN STUDIES		COQUIHALLA RIVER AT HOPE		1:5000
b) Elevations are in metres and are referred to Geodetic Survey of Canada datum.		d) Floodplain limits and flood levels include allowance for freeboard.		(freeboard included)		FRASER				TECHNICIAN				NEGATIVE No.
c) Horizontal control based on provincial network.		e) Position of floodplain boundary not established on the ground by legal survey.								ENGINEER				280137
d) Grid origin referred to U.T.M. Projection Zone 10.		f) Floodplain limits are not delineated for side streams and tributaries.								ISSUE OF MAPPING				DRAWING No.
e) Contour interval - 2 metres and greater; spot elevations shown to 0.1 metres, with accuracy to ± 0.6 metres, except where noted.		g) Required setback of buildings from the natural boundaries of lakes and watercourses to allow for the passage of floodwater and possible bank erosion are not shown. This information is available either through local municipalities or the Ministry of Environment.								DATE				85-27
f) Floodplain Mapping produced by Planning Subsection, Water Management Branch.										JUNE 1985				SHEET
										Section Head		Deputy Minister		1 of 1