



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 alluvial 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, groundwater 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		ISSUE OF MAPPING		ENVIRONMENT CANADA IN AND WATERS		BRITISH COLUMBIA MINISTRY OF ENVIRONMENT		CANADA-BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT		FILE No.
Produced by: British Columbia Water Management Branch, Special Projects Section, Floodplain Mapping Program.		1. The floodplain areas as depicted on this map have been designated pursuant to the Canada/British Columbia Floodplain Mapping Agreement (1988) by the Minister of the Environment for Canada and the Minister of Environment for British Columbia.				No.		DATE		DATE		DATE		DATE		34-9000-S.1
Survey: River survey done by Survey Section, Water Management Branch, Project 89 06 F028, May 1989.		2. The designated flood has a statistical frequency of occurrence of once every 200 years.				DESCRIPTION		SEPT. 30, 1991		DRAWN		T. E.		FLOODPLAIN MAPPING		N.T.S. MAP No.
Mapping: Base mapping done by Map Production Division, Survey and Resource Mapping Branch, Project 79 1181-0, July 1979.		3. The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions.		FLOOD LEVEL (Freeboard included) 200 Year Frequency 20 Year Frequency		RIVER SURVEY		CHECKED		T. D.		KOOTENAY RIVER - COLUMBIA LAKE AT CANAL FLATS		SCALE		82J
a) Contour interval 1.0 metre and greater; spot elevations shown to 0.1 metres, with accuracy to ± 0.3 metres, except where noted.		4. The floodplain limits assume the absence of all dykes.		20 Year Frequency		DESIGNED		B. B.		100m 0 100 200 300 400 500m		NEGATIVE No.		DRAWING No.		
b) Grid origin referred to U.T.M. Projection Zone 11.		5. The floodplain limits and flood levels include an allowance for freeboard.				RECOMMENDED		APPROVED		Scale in metres		89-41-6		SHEET 6 of 8		
		6. The floodplain limits are not established on the ground by legal survey.				Robert Baker		Ed B...								
		7. The floodplain limits are not delineated for side streams and tributaries.														
		8. The required setback of buildings from the natural boundaries of lakes and watercourses to allow for the passage of floodwaters and possible bank erosion is not shown. This information is available either through local municipalities or the Ministry of Environment.														
		9. MAPS AVAILABLE FROM THE MINISTRY OF CROWN LANDS, SURVEYS AND RESOURCE MAPPING BRANCH, MAPS B.C., MAP AND AIR PHOTO SALES, VICTORIA, B.C.														

KLOHN LEONOFF LTD.  
CONSULTING ENGINEERS