

# 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.



**BIRKENHEAD RIVER ALLUVIAL FAN**  
The entire fan area is subject to special flood hazard due to possible channel avulsion and erosion caused by channel accretion and/or debris jamming.  
The fan extends into the Lillooet River floodplain.

NOTES	
Produced by:	British Columbia Water Management Branch, Special Projects Section, Floodplain Mapping Program.
Survey:	River survey done by Survey Section, Water Management Branch, Project 80-199-9 (1985).
	a) Horizontal control based on provincial datum.
	b) Elevations are in metres and are referred to Geodetic Survey of Canada datum. (M indicates Survey Monument).
Mapping:	Base mapping done by Map Production Division, Survey and Resource Mapping Branch, Project 86-028 (1986).
	a) Contour interval 1 metre and greater; spot elevations shown to 0.1 metres, with accuracy to ± 0.3 metres, except where noted.
	b) Grid origin referred to U.T.M. Projection Zone 10.

FLOODPLAIN DATA	
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.
2.	Flooding may still occur outside of the designated floodplain areas. The Ministers do not assume any liability by reason of the designation or failure to designate areas on this map.
3.	The Designated Flood has a statistical frequency of occurrence of once every 200 years.
4.	The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions.
5.	The floodplain limits assume the absence of all dykes.
6.	The floodplain limits and flood levels include an allowance for freeboard.
7.	The floodplain limits are not established on the ground by legal survey.
8.	The floodplain limits are not delineated for side streams and tributaries, except as noted.
9.	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.
10.	MAPS AVAILABLE FROM THE MINISTRY OF CROWN LANDS, SURVEYS AND RESOURCE MAPPING BRANCH, MAPS B.C., MAP AND AIR PHOTO SALES, VICTORIA, B.C.

LEGEND	
	DESIGNATED FLOODPLAIN LIMIT
	FLOOD LEVEL (Freeboard included) 200 Year Frequency 20 Year Frequency
	Dyke
	RIVER
	(METRES - G.S.C. DATUM)

KEY MAP	

REVISIONS	
No.	DESCRIPTION
1	REPLACES DWG. NO. 5022, SHEETS 1 TO 10, DATED DEC. 1973 AND REVISED JAN. 1980.

<b>ISSUE OF MAPPING</b> DATE: SEPTEMBER 30, 1990 DRAWN: B. V. W., T. C. E. CHECKED: P. T. D. RIVER SURVEY: M. P. DESIGNED: S. C. ENGINEER: R. W. M. L. G. RECOMMENDED: J. W. O. S. APPROVED: E. J. L. G.	
<b>FLOODPLAIN MAPPING</b> <b>LILLOOET RIVER</b> 100m 0 100 200 300 400 500m Scale in metres	
ENVIRONMENT CANADA ENVIRONNEMENT CANADA COLOMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT L'ACCORD CANADA COLOMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION	CANADA-BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA COLOMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION
FILE NO.: 01-0000-S-1 N.T.S. MAP NO.: 92J SCALE: 1:5 000 NEGATIVE NO.: DRAWING NO.: 88-44-2 REV.: SHEET 2 of 11	