



NOTE:

1. THE FLOODPLAIN LIMITS AS SHOWN ARE WITHIN THE ACCURACY OF THE BASE MAPPING. SITE SPECIFIC GROUND ELEVATIONS SHOULD BE CONFIRMED BY FIELD SURVEY.
2. PROBLEMS RELATED TO MAJOR CHANNEL DISLOCATION, PROPERTY DAMAGE AND DEBRIS OR ICE JAMMING HAVE BEEN OBSERVED IN THE BULKLEY RIVER FLOODPLAIN.
3. PONDING MAY OCCUR UPSTREAM OF TRANSPORTATION ROUTE EMBANKMENTS DUE TO DEBRIS JAMMING AT BRIDGES OR CULVERTS RESULTING IN THE FLOOD LEVELS SHOWN TO BE EXCEEDED.

**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 of the Bulkley River 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 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 of 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 INLAND WATERS ENVIRONNEMENT CANADA EAUX INTERIEURES		BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS COLOMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT		CANADA-BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA-COLOMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION		FILE NO. 35100-30/460-0000									
Produced by British Columbia Ministry of Environment, Lands & Parks Resource Inventory and Data Management Branch Floodplain Mapping Program		1. The floodplain areas as depicted on this map have been interin designated pursuant to the Canada/British Columbia Floodplain Mapping Agreement (1988) by the Minister of the Environment for Canada and the Minister of ENVIRONMENT, LANDS & PARKS. Floodplain may still occur outside of the interin designated floodplain areas. The Ministers do not assume any liability by reason of the interin designation or failure to interin designate areas on this map. 2. The Designated Flood has a statistical frequency of occurrence of once every 200 years. 3. The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions. 4. The floodplain limits assume the absence of all dykes. 5. The floodplain limits and flood levels include an allowance for freeboards. 6. The floodplain limits are not established on the ground by legal surveys. 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, LANDS & PARKS.		 DESIGNATED FLOODPLAIN LIMIT FLOOD LEVEL (Freeboard included) 200 Year Frequency 20 Year Frequency (G.S.C. DATUM)		 Scale 1:250 000		<table><tr><th>No.</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td>1</td><td>DESIGNED</td><td>BB</td></tr></table>		No.	DESCRIPTION	DATE	1	DESIGNED	BB	DATE September 30, 1998		DRAWN CHECKED RIVER SURVEY MP DESIGNED BB		ENGINEER R.W. Nichol		RECOMMENDED R.W. Nichol		APPROVED [Signature]		DRAWING NO. REV. 96-10-5 SHEET 5 of 6	
No.	DESCRIPTION	DATE																									
1	DESIGNED	BB																									
Survey: River survey done by Ministry of Environment, Lands & Parks Resource Inventory and Data Management Branch Water Survey Unit Operations Group/Aquatic Inventory Section Project No. 007923 a) Horizontal control based on provincial network. b) Elevation control based on interin designated floodplain areas. c) Vertical control based on interin designated floodplain areas. d) Contour interval 2 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. e) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. f) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. g) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. h) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted.		Mapping: Base mapping done by Lands Department, Geographic Data BC, Operations Section, Project E-0171, D-0471 Air photography June 1982 a) Contour interval 2 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. b) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. c) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. d) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. e) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. f) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. g) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted. h) Contour interval 10 metres and greater, with spot elevations shown to 0.1 metres, with a specified accuracy of $\pm 0.3$ metres, except where noted.		Scale 1:5000 0 100 200 300 400 500m		Scale 1:5000		Scale 1:5000		Scale 1:5000		Scale 1:5000		Scale 1:5000		Scale 1:5000		Scale 1:5000									