



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.

NOTE:
1. Problems related to major channel dislocations, sediment deposition, bank erosion and debris jamming have been recorded in many areas of the Bella Coole River Valley since the early 1890's.
2. Limits of alluvial fans not included where topography is incomplete.

NOTE:
1974 MAJOR CHANNEL AVULSION AREA

NOOMST CREEK ALLUVIAL FAN
Limits not defined

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| NOTES Produced by: British Columbia Water Management Branch, Special Projects Section, Floodplain Mapping Program. Survey: River survey done by Surveys Section, Water Management Branch, Survey Projects, SIFDC-2 and 86FDC-1, (1984 and 1986). a) Horizontal control based on provincial network. b) Elevations are in metres and are referred to Geodetic Survey of Canada datum. () indicates Survey Monument. Mapping: Base mapping done by Map Production Division, Surveys and Resource Mapping Branch, Project 85-1011, (1985). a) Contour Interval 2 metre and greater; spot elevations shown to 0.1 metres, with accuracy to ± 0.6 metres, except where noted. b) Grid origin referred to U.T.M., Projection Zone 9. | | FLOODPLAIN DATA 1. The floodplain areas as depicted on this map have been interim 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. Floodplain may still occur outside of the interim designated floodplain areas. The Ministers do not assume any liability by reason of the interim designation or failure to interim 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 survey. 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. | | LEGEND DESIGNATED FLOODPLAIN LIMIT FLOOD LEVEL (Freeboard included) 200 Year Frequency PROTECTION WORKS (METRES G.S.C. DATUM) | | KEY MAP SCALE 1:360 000 (APPROX.) | | REVISIONS No. DESCRIPTION DATE | | ISSUE OF MAPPING DATE: SEPTEMBER 30, 1989 DRAWN: T.C.E. CHECKED: P.D. RIVER SURVEY: B.R.S., M.P. DESIGNED: B.B. ENGINEER: R.W. Hill RECOMMENDED: J. H. H. H. APPROVED: E. H. H. H. | | ENVIRONMENT CANADA INLAND WATERS ENVIRONNEMENT CANADA EAUX INTERIEURES BRITISH COLUMBIA MINISTRY COLUMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT CANADA BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA COLUMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION FLOODPLAIN MAPPING BELLA COOLE RIVER Scale in metres 100m 0 100 200 300 400 500m | | FILE No. 91-2910-S.1 N.T.S. MAP No. 93D/7.8 SCALE 1:5 000 NEGATIVE No. 283891 DRAWING No. 87-56-9 SHEET 9 of 10 | |
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