## **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 floo 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 hig 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.

or tributaries.

- a) Flood profiles were computed by a standard step method modelling technique. b) Floodplain limits assume absence of all dykes. c) <u>Floodplain limits</u> and <u>flood</u> levels include allowance for freeboard.
   d) Position of floodplain boundary not established on
- a) Position of floodplain poundary in ground by legal survey.
  e) See "Flood Control Requirements"\* for minimum distances allowed from buildings to natural boundaries of watercourses and lakes. f) Floodplain limits are not delineated for side streams



\* Correspondence to Municipalities , Oct. 30 , 1973.

Produced by; British Columbia Environmental and Engineering Service Floodplain Mapping Program. Survey; River survey done by Surveys Section, Water Management Branch. a) Horizontal control based on provincial network. b) Elevations are in metres and are referred to Geodetic Survey of Canada datum. E 🛞 Indicates Survey Monument ] Mapping; Mapping done by Map Production Division, Surveys and Mapping Branch. a) Contour interval - I metre and greater; Spot elevations shown to 0.1 metres, with accuracy to ± 0.3 metres. b) Grid origin referred to U.T.M. Projection, Zone II (1975)

NOTES



ood Level

