

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: Problems related to channel avulsion, bank erosion, sediment deposition and/or debris jamming have been recorded in many areas of the Salmon River valley.

Province of British Columbia
Ministry of Environment
INVENTORY AND ENGINEERING BRANCH

FLOODPLAIN MAPPING
SALMON & WHITE RIVERS

The floodplain areas depicted on this map were determined by the Province of British Columbia under its floodplain mapping program, and have been designated by the Minister of Environment and Heritage as floodplains under the Floodplain Mapping Act. The Province of British Columbia is not responsible for the accuracy of the information contained in this map, nor for any loss or damage resulting from its use. The Province of British Columbia is not responsible for the accuracy of the information contained in this map, nor for any loss or damage resulting from its use.

NOTES

Produced by: British Columbia Inventory and Engineering Branch,
Floodplain Mapping Program

Survey: Field survey done by Planning and Surveys Section,
Inventory and Engineering Branch
a) Horizontal control based on provincial network
b) Vertical control based on Geodetic Survey of Canada (1963)

Mapping: Base mapping done by Map Production Division, Surveys
and Mapping Branch
a) Contour interval - 1 metre and greater, spot elevations
shown to 0.1 metres, with accuracy ± 0.3 metres,
except where noted
b) Land origin referred to U.T.M. Projection, Zone 10, 10.5
Final Floodplain Mapping produced by Planning Subsection,
Inventory and Engineering Branch

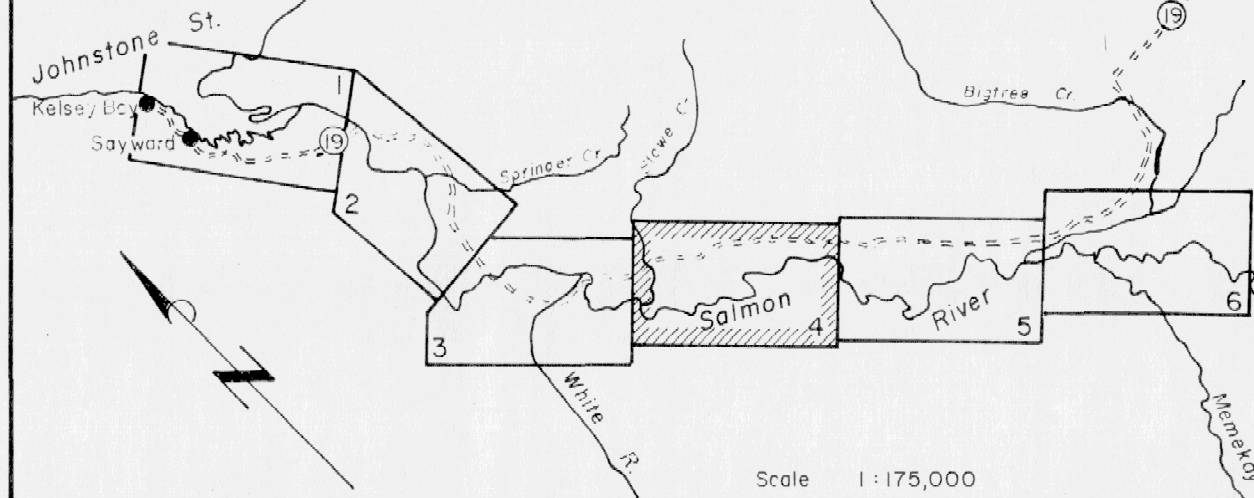
FLOODPLAIN DATA

- Floodplain limits and flood profile were computed using a standard step method.
- Floodplain limits assume the absence of all dykes.
- Floodplain limits and flood levels include allowance for freeboard.
- Position of floodplain boundary not established on the ground by field survey.
- Floodplain limits are not delineated for side stream and tributaries.
- Required setback of buildings from the natural boundaries of lakes and watercourses to allow for the passage of floodwaters and possible bank erosion are not shown. This information is available either through local municipalities or the Ministry of Environment.

LEGEND

- 200 Year Floodplain Limit**
- Flood levels in metres above G.S.C. Datum
- 15.5 200 Year Frequency
14.9 20 Year Frequency
(freeboard added)

KEY MAP



REVISIONS

- | No. | DESCRIPTION | DATE |
|-----|--|-----------|
| 1 | MONUMENTS AND ELEVATIONS ADDED | AUG. 1985 |
| 2 | This drawing has been reviewed to maintain the adequacy, accuracy and usefulness of the existing information as a result of an analysis of the data obtained from the floods of November and December of 1980. | May, 1985 |
| 3 | Note related to Salmon River valley flood hazards added. | |

ORTHOPHOTO MAPPING

DATE OF PHOTOGRAPHY
MAY, 1976

MAPPING INFORMATION

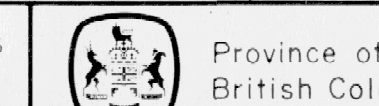
CHECKED: L.S.

FLOODPLAIN MAPPING

CHECKED: R.W.N.

ISSUE OF MAPPING

DATE: DEC., 1980



Province of British Columbia

Ministry of Environment

INVENTORY AND ENGINEERING BRANCH

Recommended, Section Head

Approved, Assistant Deputy Minister

Approved, Assistant Deputy Minister

Approved, Assistant Deputy Minister

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SCALE

1:5000

DRAWING NO.

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SHEET

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