

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.

NOTES

Produced by: British Columbia Water Management Branch
Floodplain Mapping Program.

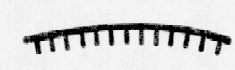
Survey: River survey done by Planning and Surveys Section,
Water Management Branch.
a) Horizontal control based on provincial network.
b) Vertical control based on Geodetic Survey of Canada (1968).

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 to 0.2 metres where noted.
b) Grid origin referred to U.T.M. Projection - Zone 18 (1973).
Final Floodplain Mapping produced by Planning Subactivity, Water Management Branch.

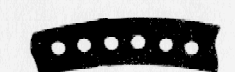
FLOODPLAIN DATA

- The Designated Flood has a statistical frequency of occurrence of once every 200 years.
- Flood levels were computed using a standard six minute routing technique, assuming open water flow conditions.
- 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 legal survey.
- Floodplain limits are not delineated for side streams 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.
- Areas within the floodplain limit having an elevation above the computed flood level are subject to possible flooding from overflow of upstream banks.

LEGEND



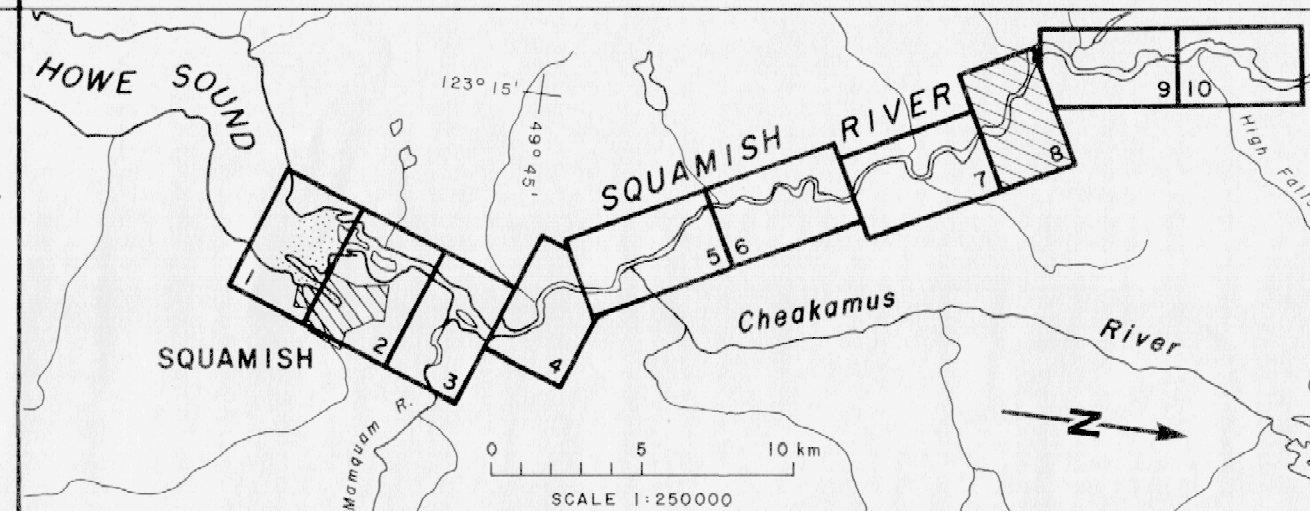
DYKE

DESIGNATED
FLOODPLAIN LIMIT

FLOOD LEVEL

- 15.5 200 Year Frequency
- 14.9 20 Year Frequency (freeboard included)

KEY MAP



REVISIONS

DESCRIPTION	DATE
THIS MAPPING REPLACES INTERIM MAPPING DWG. NO. A5199, 1 & 2	SEPT, 1976

ORTHOPHOTO MAPPING

DATE OF PHOTOGRAPHY
SEPT, 1976

FLOODPLAIN STUDIES

TECHNICIAN
B. BOARDENGINEER
R.W. NICHOLS

ISSUE OF MAPPING

DATE
OCT, 1983Province of
British ColumbiaMinistry of Environment
Water Management Branch

FLOODPLAIN MAPPING

SQUAMISH RIVER

HOWE SOUND - HIGH FALLS CREEK

Scale in metres: 0 100 200 300 400 500

Recommended,
Section HeadApproved,
Deputy Minister

FILE No.

0305030-26

SCALE

1:5000

DRAWING No.

5461-8

SHEET

8 of 10