

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.

ENVIRONMENT CANADA
WATER RESOURCES SERVICE
WATER INVESTIGATIONS BRANCH

BRITISH COLUMBIA
DEPARTMENT OF ENVIRONMENT
WATER INVESTIGATIONS BRANCH

COQUITLAM RIVER
FLOODPLAIN MAPPING

The Floodplain areas depicted on this map were determined by the Province of British Columbia under the Floodplain Mapping Program and have been designated by the Province for the Environment Canada and the Ministry of Environment and Parks. The Province of British Columbia, pursuant to the Water Control (Floodplain Mapping) Act, 1973, has designated the Floodplain areas.

Floodplain areas may occur outside of the designated Floodplain areas. The Ministry of Environment and Parks, in the event of the designation of the Floodplain areas, has taken into account the designation of the Floodplain areas.

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5457 500

SEE SHEET 2

SEE REVISION NO. 1

5457 500

MAPPING**BRITISH COLUMBIA WATER RESOURCES SERVICE FLOODPLAIN MAPPING PROGRAM**

Field surveys and map production done by Planning & Surveys Division, Water Investigations Branch, Water Resources Service. Photogrammetric Mapping done by Map Production Division, Surveys & Mapping Branch, Lands Service.

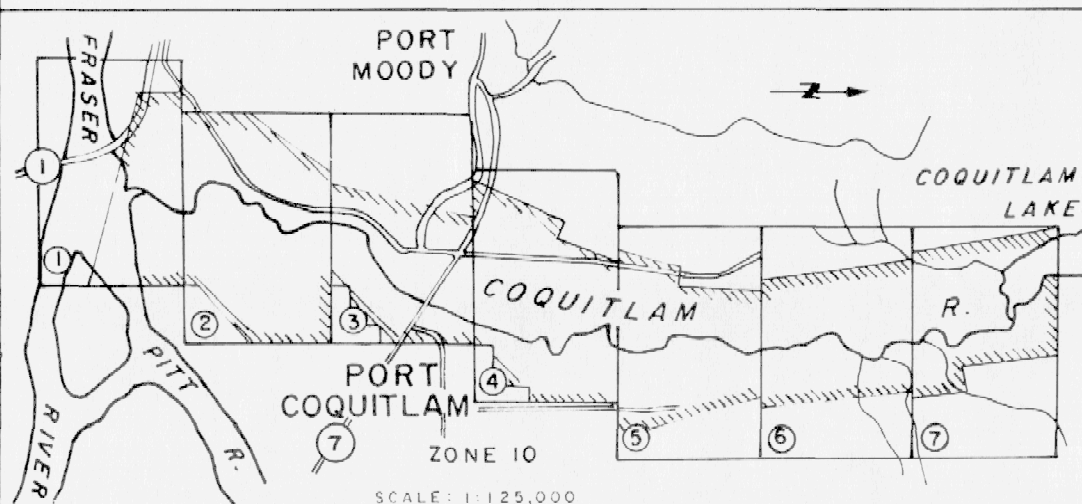
- SURVEYS** SEE REVISION NO. 1
(a) Horizontal Control based on Provincial Network
(b) Vertical Control based on Geodetic Survey of Canada (1968)
- MAPPING** SEE REVISION NO. 1
(a) Contour interval 1 metre and greater. Spot elevations shown to 0.1 metres with accuracy ± 0.3 metres.
(b) Grid origin referred to UTM Projection Zone 10

FLOODPLAIN LIMITS

- Flood profiles were computed by a standard step method modelling technique.
- Floodplain Limits shown assume absence of all dikes.
- Floodplain Limits and Flood Levels include allowance for freeboard.
- Position of floodplain boundary not established on ground by legal survey.
- See "Flood Control Requirements" for minimum distance allowed from building to natural boundaries of water courses and lakes.
- Floodplain Limits are not delineated for side streams or tributaries.
- Correspondence to Municipalities, Oct. 30, 1973.

LEGEND

- 200 Year Frequency Floodplain Limit
- 20 Year Frequency Floodplain Limit
- River Cross Section and Profile Point
- Flood Levels in Metres
- 4.9 200-year frequency
- 3.7 20-year frequency

KEY MAP**REVISIONS**

| NO | DESCRIPTION | DATE |
|----|--|-----------|
| 1 | AN AVERAGE COMBINED SEA LEVEL AND SCALE FACTOR OF 0.99958/42 MUST BE APPLIED TO OBTAIN UTM COORDINATES, 1927 DATUM | AUG. 1994 |

ORTHOPHOTO MAPPING

DATE OF PHOTOGRAPHY: JUNE 1976

MAPPING INFORMATION

CHECKED: FLOOD PLAIN INFORMATION

CHECKED: ISSUE OF MAPPING

DATE: OCT. 1976

BRITISH COLUMBIA
DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE
WATER INVESTIGATIONS BRANCHCOQUITLAM RIVER WATER
MANAGEMENT STUDY**FLOODPLAIN MAPPING
COQUITLAM RIVER**RECOMMENDED: *[Signature]* APPROVED: *[Signature]*
DIVISION CHIEF DEPUTY MINISTER**FILE NUMBER**

0310213-8

SCALE

1:5000

DWG NO.

5148-3

REV. 1

3 SHEET

OF 7