

## Use and Limitations of Floodplain Maps

- Users must note the dates of base mapping, aerial photography, river surveys and dates of flooding 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 this special 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 elevation or flow water velocity, sudden shifts in the channel of the watercourse or alluvial and debris flow areas.
- Other sources of water, roads, railways or other barriers can restrict water flow and affect flood levels. As well, obstructions such as ice and debris, flooding in surrounding areas, changed hydrology, 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 establish 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:  
Location of Floodplain boundaries  
in this area determined from  
British Columbia Water Resources  
Mapping titled "Coquitlam  
River Flooding" Dwg. No. 4364-Z,  
Sheet 1, dated Aug. 1961.

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CANADA - BRITISH COLUMBIA  
FLOOD DAMAGE PREVENTION PROGRAM

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 the Environment for Canada and the Minister of the Environment for British Columbia, pursuant to the Canadian-British Columbia Agreement respecting the Floodplain Mapping Program.

Floodplains are shown as the extent of the designated floodplain areas. The Ministry does not assume any liability for damage or loss of property or the failure to designate areas on this map.

Floodplains: The extent of the watercourse and those portions of the floodplain which are required to be designated for the purpose of the Floodplain Mapping Program, shall be designated for the purpose of the Floodplain Mapping Program, shall be designated for the purpose of the Floodplain Mapping Program, shall be designated for the purpose of the Floodplain Mapping Program.

SEE REVISION NO. 1

SEE SHEET 1

## 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
  - Horizontal Control based on Provincial Network
  - Vertical Control based on Geodetic Survey of Canada (1959)
- MAPPING - SEE REVISION NO. 1
  - Contour interval 1 metre and greater. Spot elevations shown to 0.1 metres with accuracy  $\pm 0.3$  metres.
  - Grid origin referred to UTM Projection Zone 10

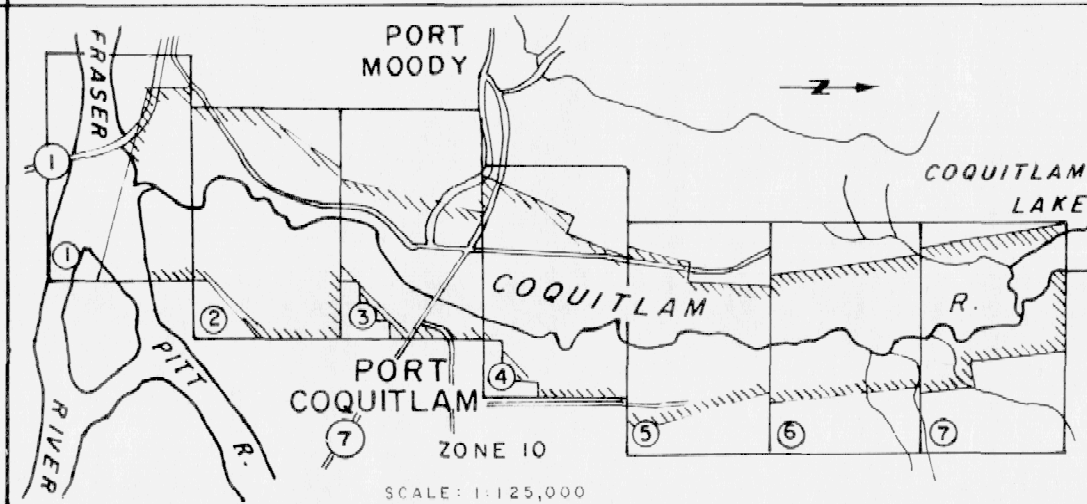
## FLOODPLAIN LIMITS

- Flood profiles were computed by a standard step method modelling technique.
  - Floodplain Limits shown assume absence of all dykes.
  - 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
- XS 5.0 - 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 0.99958742 MUST BE APPLIED TO OBTAIN UTM COORDINATES, 1927 DATUM	AUG. 1994

## ORTHOPHOTO MAPPING

DATE OF PHOTOGRAPHY:  
JUNE 1976

## MAPPING INFORMATION

CHECKED  
FLOOD PLAIN INFORMATION

## ISSUE OF MAPPING

CHECKED  
DATE OCT. 1976

BRITISH COLUMBIA  
DEPARTMENT OF ENVIRONMENT  
WATER RESOURCES SERVICE  
WATER INVESTIGATIONS BRANCH

COQUITLAM RIVER WATER  
MANAGEMENT STUDY

# FLOODPLAIN MAPPING COQUITLAM RIVER

100 50 0 100 200 400 500  
SCALE IN METRES

RECOMMENDED  
DIVISION CHIEF

APPROVED  
DEPUTY MINISTER

## FILE NUMBER

0310213-8

## SCALE

1:5000

## DWG NO

5148-2

## SHEET

2 OF 7