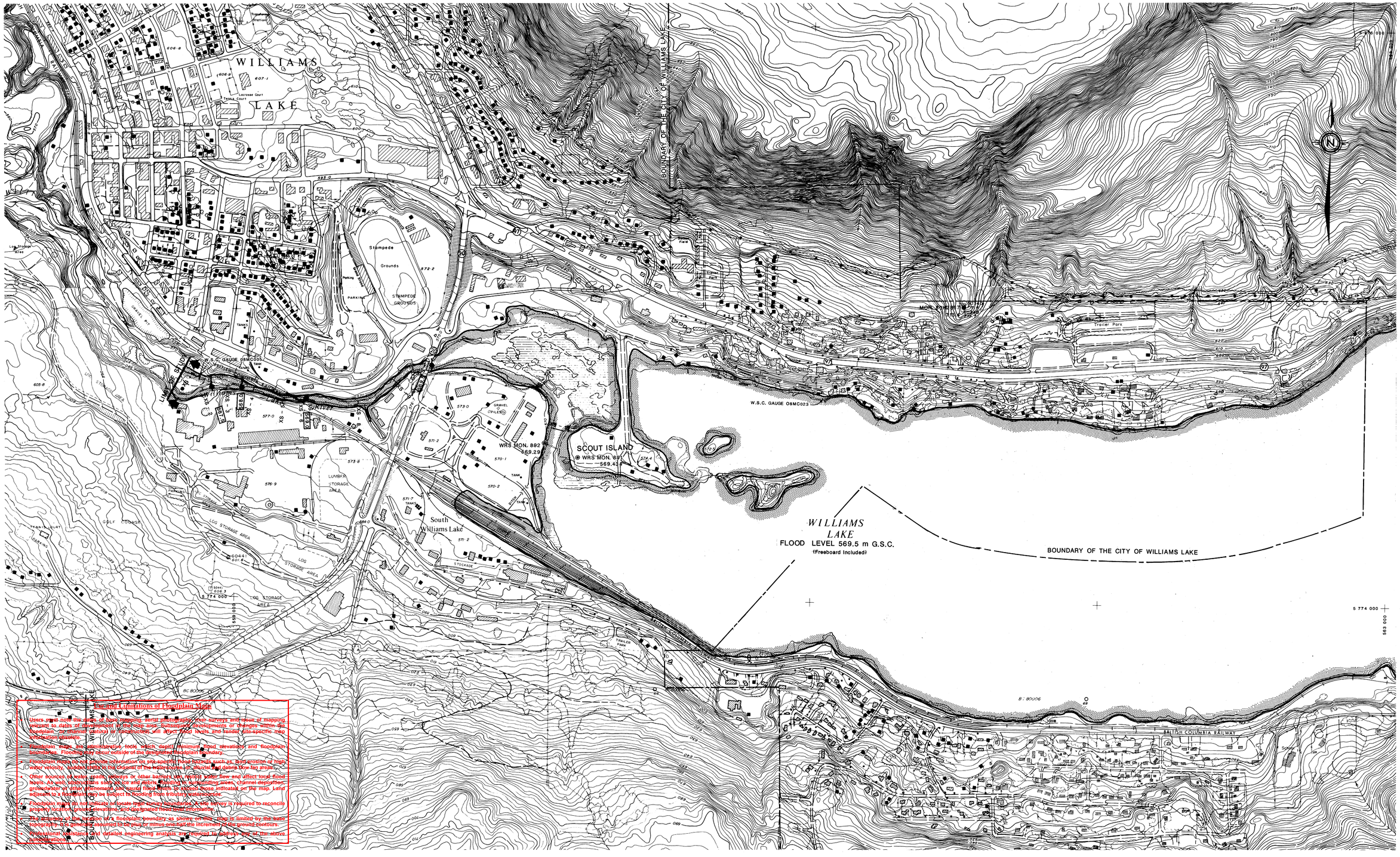


Use and Limitations of Floodplain Maps

- Users must note the scale of base mapping, aerial photography, field surveys and time of mapping relevant to dates of construction. Where any subsequent developments or changes within the floodplain (whether natural or human induced) will affect flood levels and floodplain limits, whole-station analysis.
- 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 consider interaction on site-specific flood hazards such as bank erosion or high water velocity, undetected depressions, blockage of the bridge openings, channel migration, debris low fan areas.
- Other sources of water (creeks, sewers or other barriers) may affect flow and affect local flood levels and boundaries. This may be particularly true where buildings, fences, channel improvement, 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 adequate flood access routes. A site survey is required to reconcile property location (lot lines, elevations) with designated flood information.
- The accuracy of the location of a floodplain boundary as shown on this map is limited by the base topographic mapping. Any boundary shown to be within 2.0 metres or more of a surveyed contour, should be confirmed by a site survey.
- Professional assistance and detailed engineering analysis are required to address one of the above considerations.

NOTES

Produced by: British Columbia Water Management Branch, Special Projects Section, Floodplain Mapping Program.

Survey: **River Survey (October, 1982) by Water Management Branch, Williams Lake**

a) Horizontal control based on provincial network.
b) Elevations are in metres and are referred to Geodetic Survey of Canada Datum. ⊙ Indicates Survey Monument.

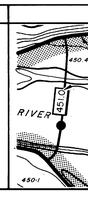
Mapping: Base mapping done by Map Production Division, Surveys and Resource Mapping Branch, Project 81-1711**1981.**

a) Contour interval 2 metre and greater; spot elevations shown to 0.1 metres, with accuracy to ± 0.5 metres, except where noted.
b) Grid origin referred to U.T.M. Projection Zone 10.

FLOODPLAIN DATA

1. The floodplain areas as depicted on this map have been interim designated pursuant to the Canada/British Columbia Floodplain Mapping Agreement (1980) by the Minister of the Environment for Canada and the Minister of Environment for British Columbia.
   flooding may still occur outside of the interim designated floodplain areas. The Ministers do not assume any liability by reason of the interim designation or failure to interim designate areas on this map.
2. The Designated Flood has a statistical frequency of occurrence of once every 200 years.
3. The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions.
4. The floodplain limits assume the absence of all dykes.
5. The floodplain limits and flood levels include an allowance for freeboard.
6. The floodplain limits are not established on the ground by legal survey.
7. The floodplain limits are not delineated for side streams and tributaries.
8. The required setback of buildings from the natural boundaries of lakes and watercourses to allow for the passage of floodwaters and possible bank erosion is not shown. This information is available either through local municipalities or the Ministry of Environment.
9. MAPS AVAILABLE FROM THE MINISTRY OF CROWN LANDS, SURVEYS AND RESOURCE MAPPING BRANCH, MAPS B.C., MAP AND AIR PHOTO SALES, VICTORIA, B.C.

LEGEND

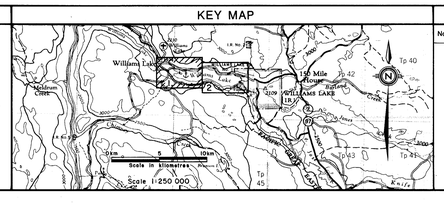


DESIGNATED FLOODPLAIN LIMIT

FLOOD LEVEL
(Freeboard included)
200 Year Frequency

(METRES G.S.C. DATUM)

KEY MAP



REVISIONS

No.	DESCRIPTION	DATE

ISSUE OF MAPPING DATE **SEPTEMBER 30, 1990**

ENVIRONMENT CANADA INLAND WATERS / ENVIRONNEMENT CANADA EAUX INTÉRIEURES

BRITISH COLUMBIA MINISTRY OF ENVIRONMENT / COLOMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT

CANADA BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT / L'ACCORD CANADA COLOMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION

DRAWN S.C.
CHECKED
RIVER SURVEY M.J.O., K.K.
DESIGNED B.B., S.C.
ENGINEER R.W. Nichol
RECOMMENDED
APPROVED

FLOODPLAIN MAPPING
WILLIAMS LAKE

100m 0 100 200 300 400 500m
Scale in metres

FILE No. 00-3900-S.1
N.T.S.MAP No. 93B/1
SCALE 1:5 000
NEGATIVE No. 342 890
DRAWING No. 88-46-1 REV.
SHEET 1 of 2

DDf/mg