

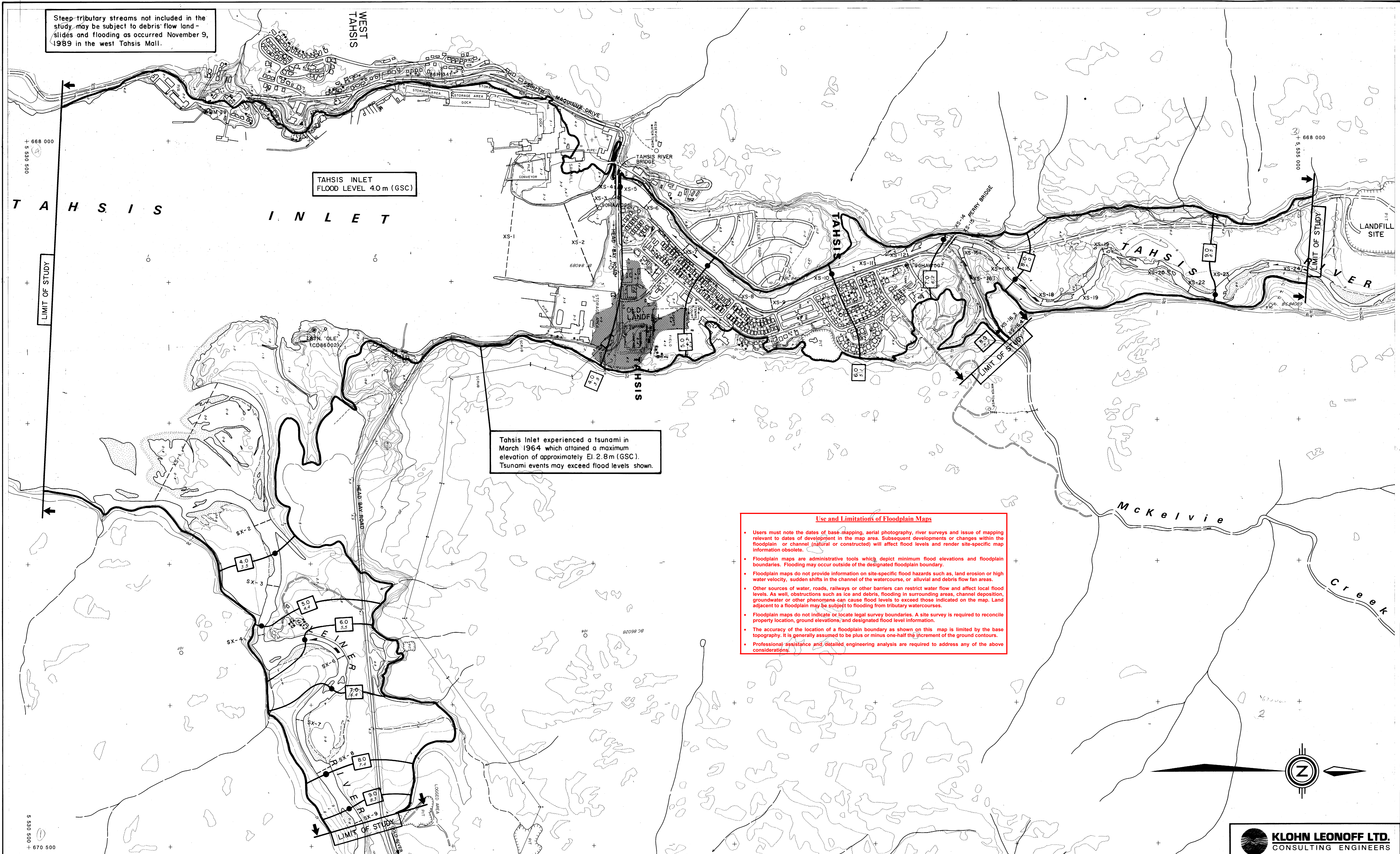
Steep tributary streams not included in the study may be subject to debris flow landslides and flooding as occurred November 9, 1989 in the west Tahsis Mill.

TAHSIS INLET
FLOOD LEVEL 4.0m (GSC)

Tahsis Inlet experienced a tsunami in March 1964 which attained a maximum elevation of approximately El. 2.8m (GSC). Tsunami events may exceed flood levels shown.

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.



KLOHN LEONOFF LTD.
CONSULTING ENGINEERS

NOTES

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

Survey: River survey done by Survey Section, Water Management Branch, July 1990.

a) Horizontal control based on provincial datums.
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, Survey and Resource Mapping Branch, Project 88-024, November 1988; Air Photography 1984, 1985; M40 27.

a) Contour interval 1 metre and greater; spot elevations shown to 0.1 metres, with accuracy to ± 0.3 metres, except where noted.
b) Grid origin referred to U.T.M. Projection Zone 9.

FLOODPLAIN DATA

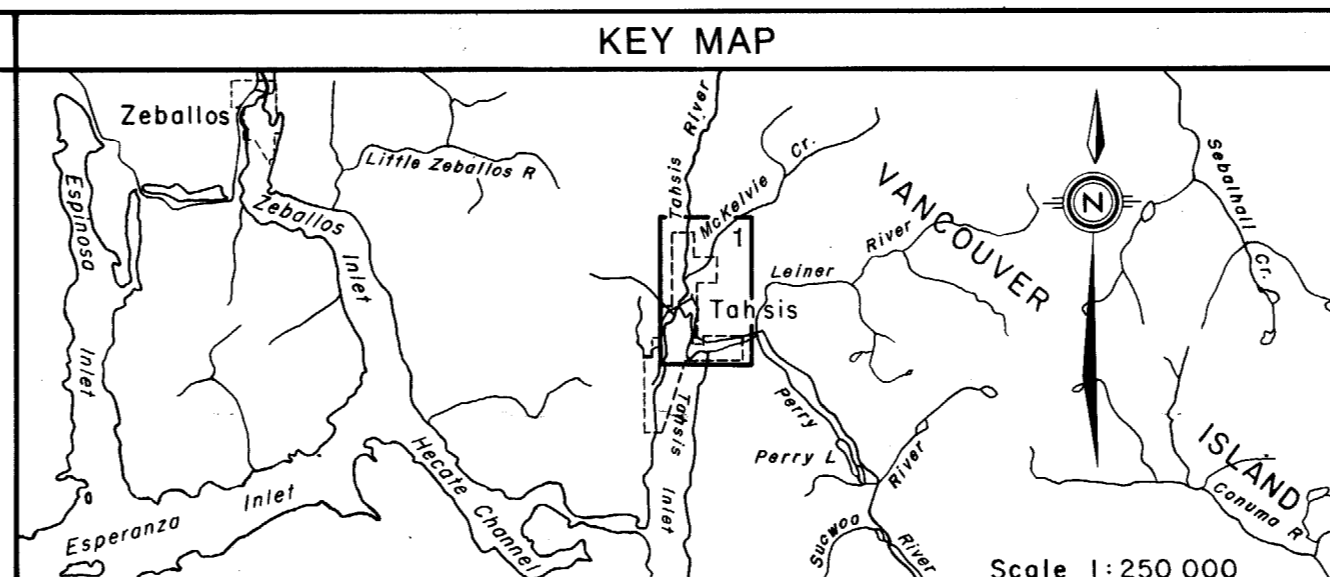
1. The floodplain areas as depicted on this map have been designated pursuant to the Canada/British Columbia Floodplain Mapping Agreement (1988) by the Minister of the Environment for Canada and the Minister of Environment, Lands and Parks for British Columbia. Flooding may still occur outside of the designated floodplain areas. The Ministers do not assume any liability by reason of the designation or failure to 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 freeboards.
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, Lands and Parks.
9. MAPS AVAILABLE FROM SURVEYS AND RESOURCE MAPPING BRANCH, MAPS B.C., MAP AND AIR PHOTO SALES, VICTORIA, B.C.

LEGEND

DESIGNATED FLOODPLAIN LIMIT
FLOOD LEVEL

200 Year Frequency
20 Year Frequency

(METRES G.S.C. DATUM)



REVISIONS

NO.	DESCRIPTION	DATE

ISSUE OF MAPPING

DATE: **SEPT. 30, 1992**

DRAWN: F.C.
CHECKED: _____
RIVER SURVEY: T.D.
DESIGNED: R.F.R.

ENGINEER: *R.F. Redman*
RECOMMENDED: *R.W. Nicks*
APPROVED: *Zeboll*

FLOODPLAIN MAPPING
TAHSIS AND LEINER RIVERS
VILLAGE OF TAHSIS

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

FILE No. **930-5691**
N.T.S. MAP No. **92E/15**
SCALE **1:5 000**
NEGATIVE No. _____
DRAWING No. REV. **89-15-1**
SHEET **1** of **1**