

SEE SHEET 3



SEE SHEET 1

Use and Limitations of Floodplain Maps

- Using most recent data for base mapping, aerial photography, river surveys and other information relevant to data or 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, Special Projects Section
Floodplain Mapping Program.

Survey: River survey done by Planning and Survey Section, Water Management Branch, Project No. 7650C-18-1, March, 1979.
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 No. 82-071-10, June, 1984.
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.

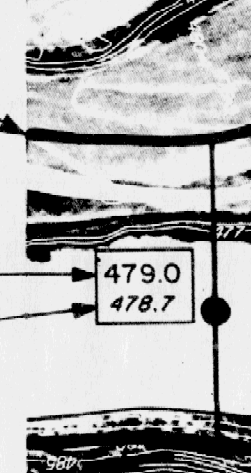
FLOODPLAIN DATA

- The Designated Flood has a statistical frequency of occurrence of once every 200 years.
- Flood levels were computed using a standard step method modelling 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 limits 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.

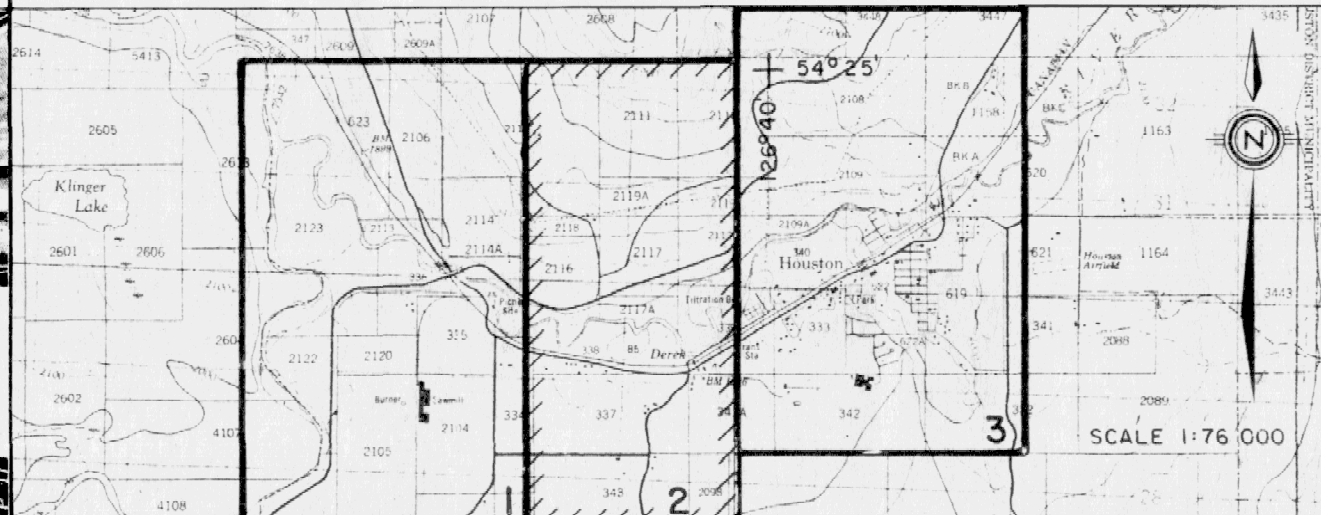
LEGEND

DESIGNATED FLOODPLAIN LIMIT

FLOOD LEVEL
200 Year Frequency
20 Year Frequency
(freeboard included)



KEY MAP



REVISIONS

No	DESCRIPTION	DATE

ORTHOPHOTO MAPPING
DATE OF PHOTOGRAPHY
JUNE 1982

FLOODPLAIN STUDIES
TECHNICIAN
ENGINEER

ISSUE OF MAPPING
DATE NOV, 1985

	Province of British Columbia	Ministry of Environment Water Management Branch	FILE No. 46-0000-S.1
	FLOODPLAIN MAPPING BULKLEY RIVER AT HOUSTON (Including Buck Creek)		SCALE 1:5000 NEGATIVE No. 280132 DRAWING No. 85-14-2 SHEET 2 of 3

Scale in metres
100 200 300 400 500

Recommended: *[Signature]*
Section Head

Approved: *[Signature]*
Deputy Minister