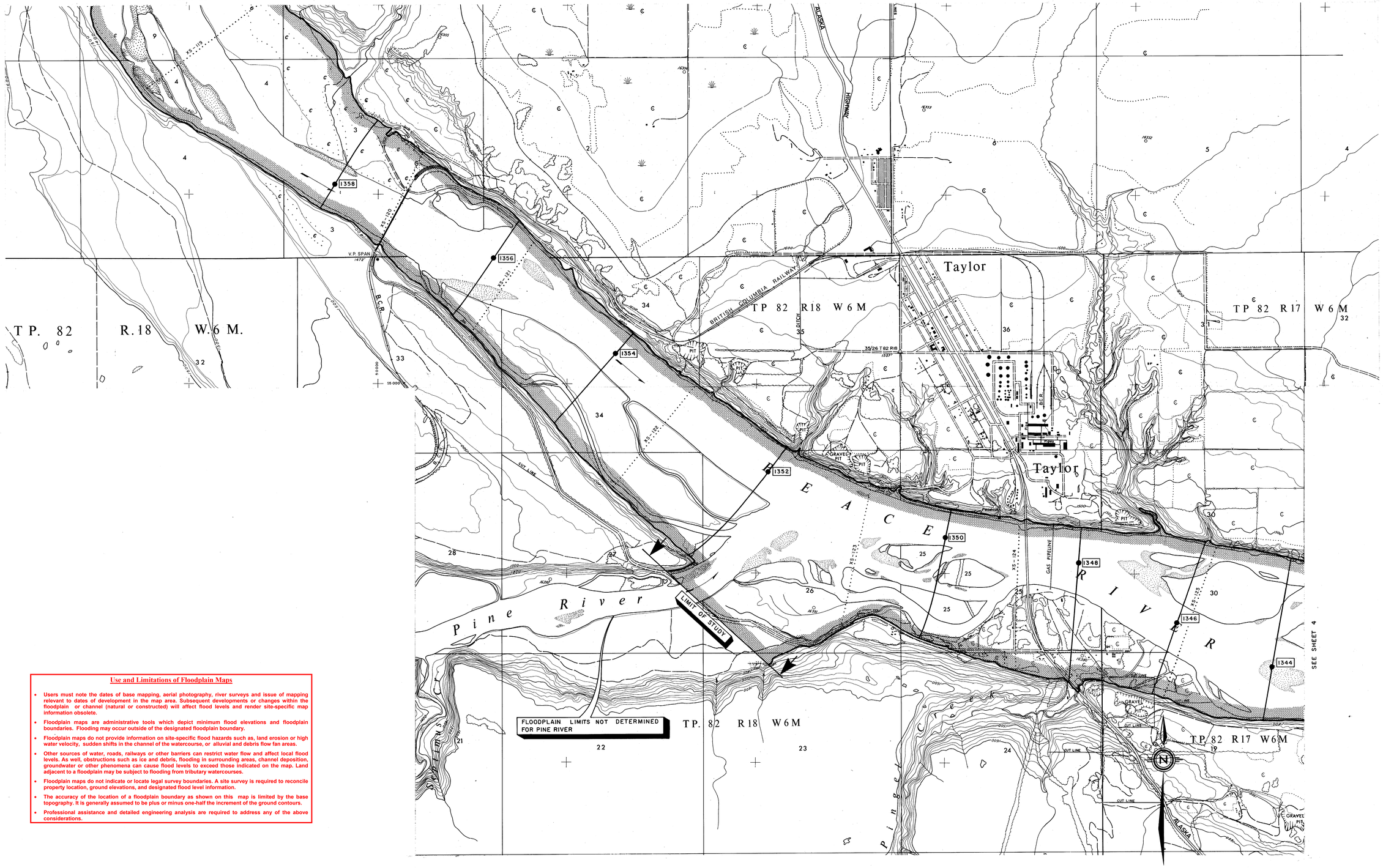


Use and Limitations of Floodplain Maps

- 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.

NOTES

Produced by; Ministry of Environment, Water Management Branch, Special Projects Section.

Survey; River survey completed by British Columbia Hydro and Power Authority. Elevations are in feet and are referred to Geodetic Survey of Canada datum.

Mapping; Base mapping completed by Ministry of Environment, Surveys and Resource Mapping Branch, Peace River Pondage, Project Number M-306, 1972. (Contour interval 20 feet).

FLOODPLAIN DATA

a) Flood levels were obtained from British Columbia Hydro and Power Authority Report No. H1844, June 1985. Levels were computed using standard step computer models assuming open water flow conditions and winter ice conditions.

b) Floodplain limits assume the absence of all dykes.

c) Floodplain limits and flood levels include allowance for freeboard.

d) Position of floodplain limits not established on the ground by legal survey.

e) Floodplain limits are not delineated for side streams and tributaries.

LEGEND

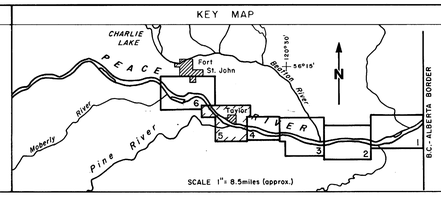
DESIGNATED FLOODPLAIN LIMIT

1392 FLOOD LEVEL

(FREEBOARD INCLUDED)

ELEVATIONS IN FEET, G.S.C. DATUM

KEY MAP



REVISIONS

No	DESCRIPTION	DATE
1	CONTOUR INTERVAL NOTED.	MARCH 1988

TOPOGRAPHIC MAPPING
DATE OF PHOTOGRAPHY MAY 1967

FLOODPLAIN STUDIES
TECHNICIAN J.H. Dawley
ENGINEER R.W. Nichol

ISSUE OF MAPPING
DATE DEC. 1985

Province of British Columbia
Ministry of Environment
Water Management Branch

PRELIMINARY FLOODPLAIN MAPPING
PEACE RIVER
B.C.-ALBERTA BORDER TO SITE "C"

1000 0 1000 2000 3000 4000
SCALE 1 inch = 1000 feet

Recommended; Section Head
Approved; Deputy Minister

FILE No. 20-0000-S
SCALE 1: 12 000
NEGATIVE No. 280142
DRAWING No. 85-37-5
SHEET 5 of 6

DD11