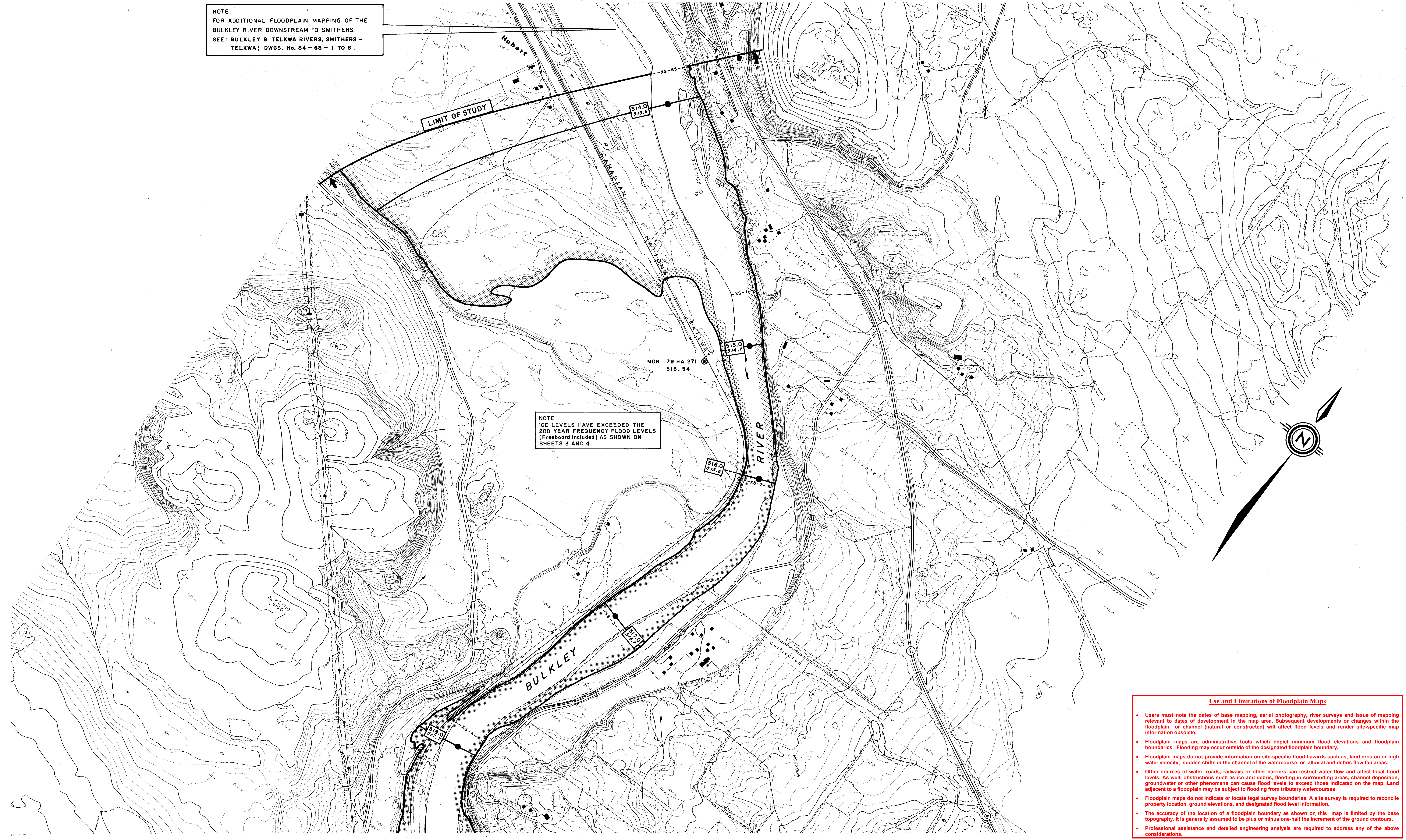


NOTE:  
FOR ADDITIONAL FLOODPLAIN MAPPING OF THE  
BULKLEY RIVER DOWNSTREAM TO SMITHERS  
SEE: BULKLEY & TELKWA RIVERS, SMITHERS -  
TELKWA; DWGS. No. 84-68-1 TO 8.



NOTE:  
ICE LEVELS HAVE EXCEEDED THE  
200 YEAR FREQUENCY FLOOD LEVELS  
(Freeboard included) AS SHOWN ON  
SHEETS 3 AND 4.

**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.
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- 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 Surveys Section, Water Management Branch, September 1985, Project No. 85-RPP12

a) Horizontal control based on provincial network.  
b) Elevations are in metres and are referred to Geodetic Survey of Canada datum. I indicates Survey Monument

Mapping: Base mapping done by Map Production Division, Surveys and Resource Mapping Branch, February 1984, Project No. 82-071T-O.

a) Contour interval 2.0 metre and greater; spot elevations shown to 0.5 metres, with accuracy to ± 0.5 metres, except where noted.  
b) Grid origin referred to U.T.M. Projection Zone 9.

**FLOODPLAIN DATA**

a) The Designated Flood has a statistical frequency of occurrence of once every 200 years.

b) The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions.

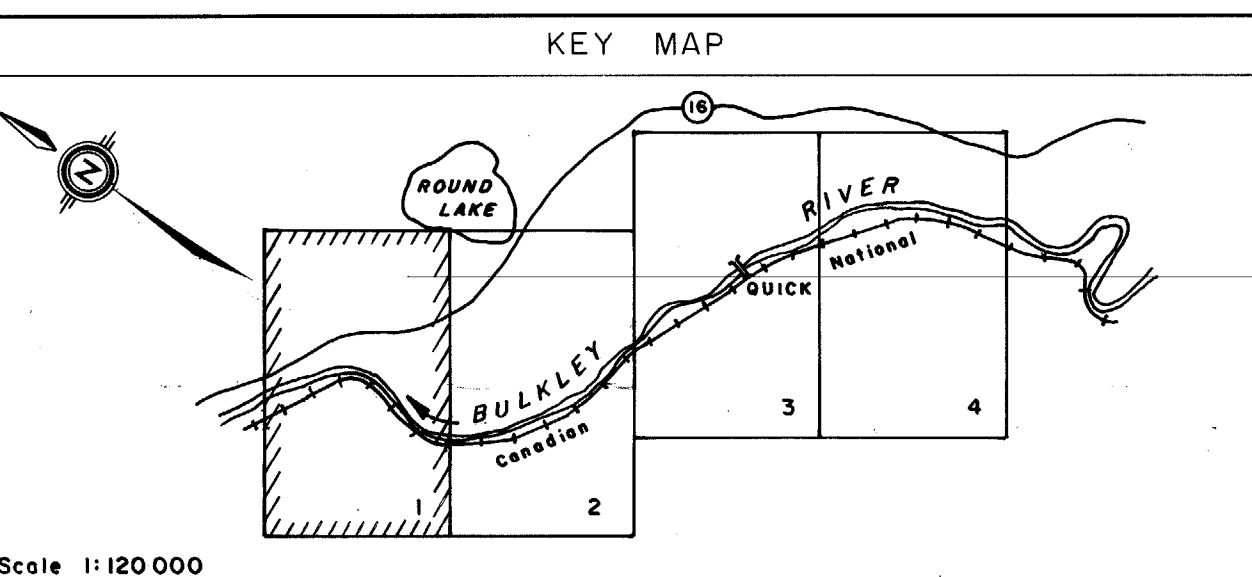
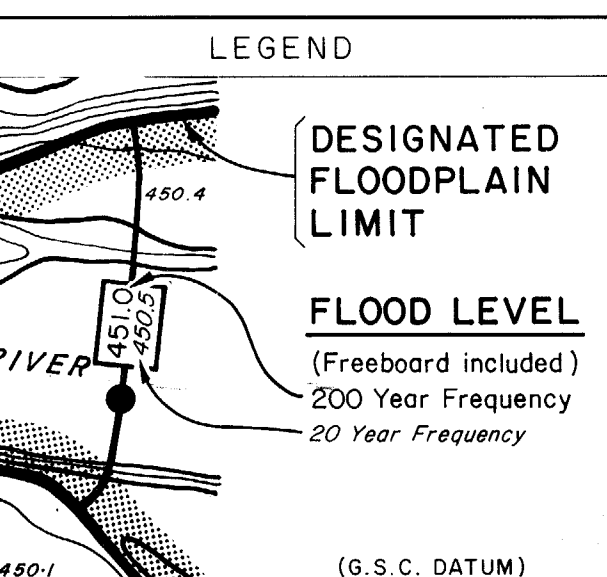
c) The floodplain limits assume the absence of all dykes.

d) The floodplain limits and flood levels include an allowance for freeboard.

e) The floodplain limits are not established on the ground by legal survey.

f) The floodplain limits are not delineated for side streams and tributaries.

g) 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.



**REVISIONS**

No	DESCRIPTION	DATE

ISSUE OF MAPPING  
DATE: NOVEMBER 1986

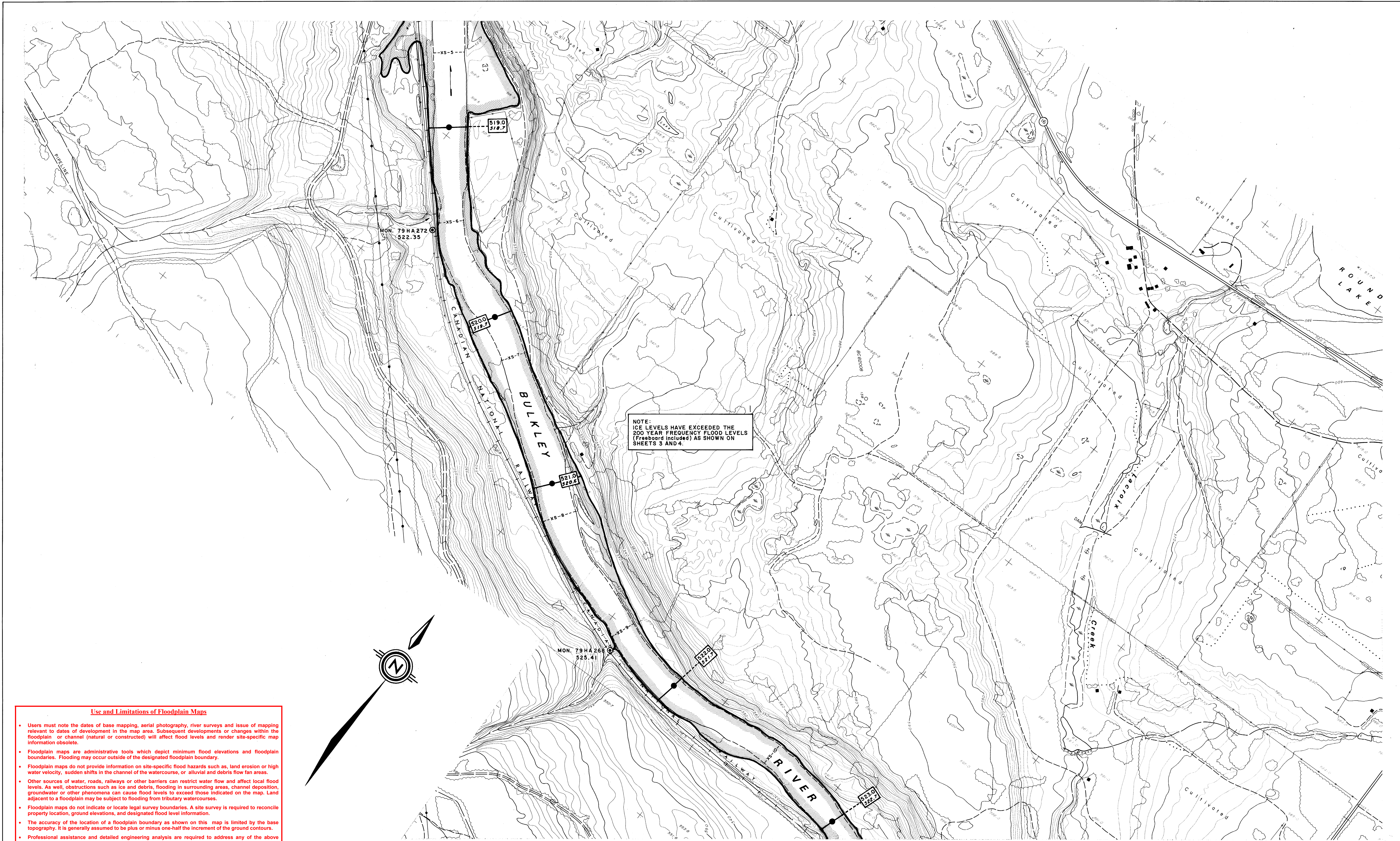
DRAWN: N.F.A.  
CHECKED: P.T.D.  
RIVER SURVEY: T.M.D.  
DESIGNED: F.W.D.

Province of British Columbia  
Ministry of Environment  
Water Management Branch

**PRELIMINARY FLOODPLAIN MAPPING**  
**BULKLEY RIVER**  
**QUICK AREA**

ENGINEER: R.W. Nichols  
RECOMMENDED: [Signature]  
APPROVED: [Signature]

FILE No. 46-0000-S.1  
N.T.S. MAP No. 93 L/10  
SCALE 1:5000  
NEGATIVE No. 280148  
DRAWING No. 86-23-1  
SHEET 1 of 4

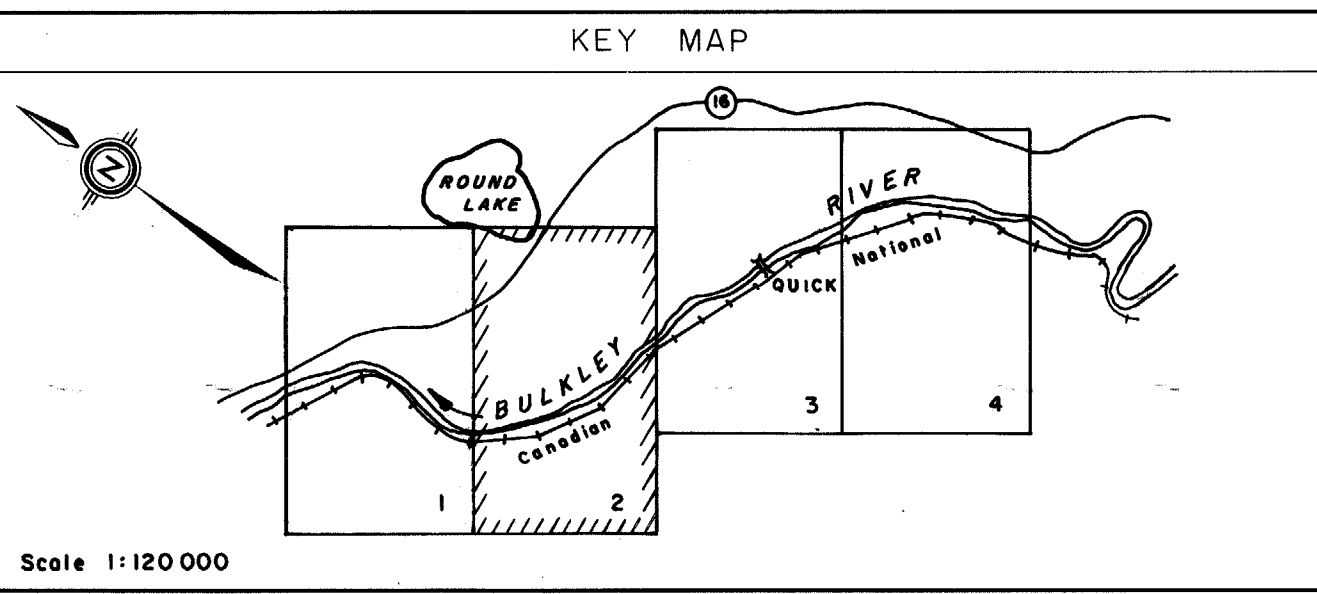
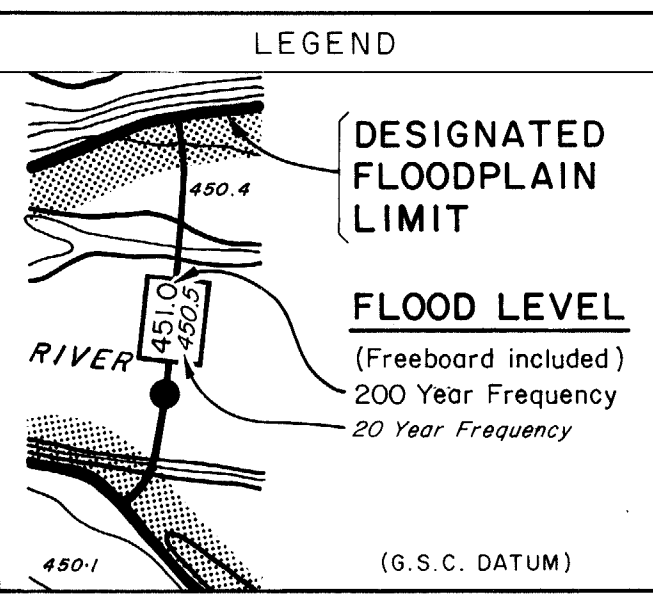


**Use and Limitations of Floodplain Maps**

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- 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 Surveys Section, Water Management Branch, September 1985, Project No. 83-RPP12 a) Horizontal control based on provincial network. b) Elevations are in metres and are referred to Geodetic Survey of Canada datum. (I) Indicates Survey Monument
Mapping:	Base mapping done by Map Production Division, Surveys and Resource Mapping Branch, February 1984, Project No. 82-071T-0. a) Contour interval 2.0 metre and greater; spot elevations shown to 0.5 metres, with accuracy to ± 0.5 metres, except where noted. b) Grid origin referred to U.T.M. Projection Zone 9.

FLOODPLAIN DATA	
a)	The Designated Flood has a statistical frequency of occurrence of once every 200 years.
b)	The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions.
c)	The floodplain limits assume the absence of all dykes.
d)	The floodplain limits and flood levels include an allowance for freeboard.
e)	The floodplain limits are not established on the ground by legal survey.
f)	The floodplain limits are not delineated for side streams and tributaries.
g)	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.



REVISIONS	
No	DESCRIPTION

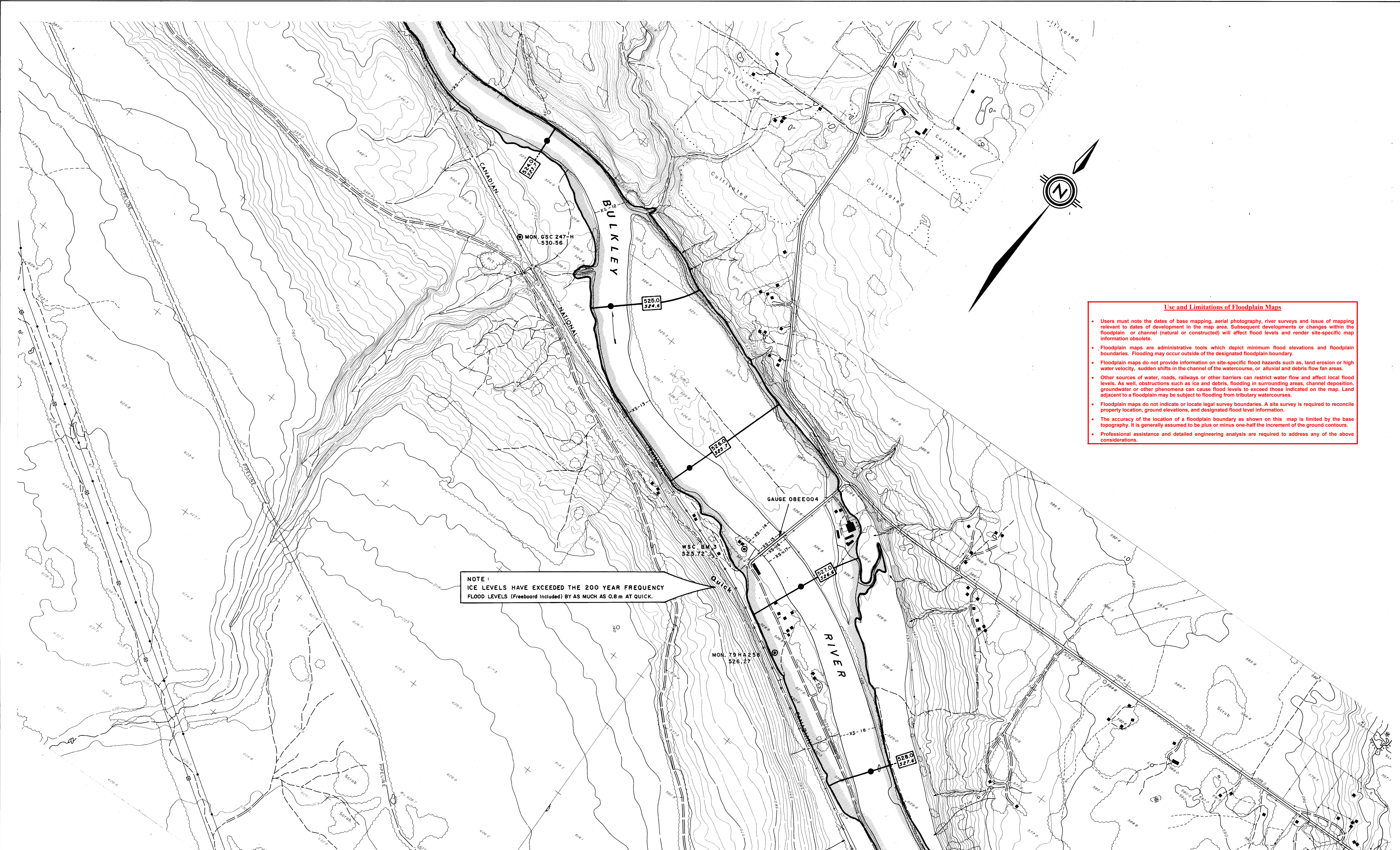
ISSUE OF MAPPING DATE	NOVEMBER 1986
DRAWN	N.F.A.
CHECKED	P.T.D.
RIVER SURVEY	T.M.D.
DESIGNED	F.W.D.
ENGINEER	R.W. [Signature]

Province of British Columbia  
Ministry of Environment  
Water Management Branch

**PRELIMINARY FLOODPLAIN MAPPING**  
**BULKLEY RIVER**  
**QUICK AREA**

RECOMMENDED [Signature] APPROVED [Signature]

FILE No.	46-0000-S.1
N.T.S. MAP No.	93 L/10
SCALE	1 : 5 000
NEGATIVE No.	280149
DRAWING No.	REV
	86-23-2
	SHEET 2 of 4



**Use and Limitations of Floodplain Maps**

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**NOTE:**  
ICE LEVELS HAVE EXCEEDED THE 200 YEAR FREQUENCY FLOOD LEVELS (Freeboard Included) BY AS MUCH AS 0.8 m AT QUICK.

**NOTES**

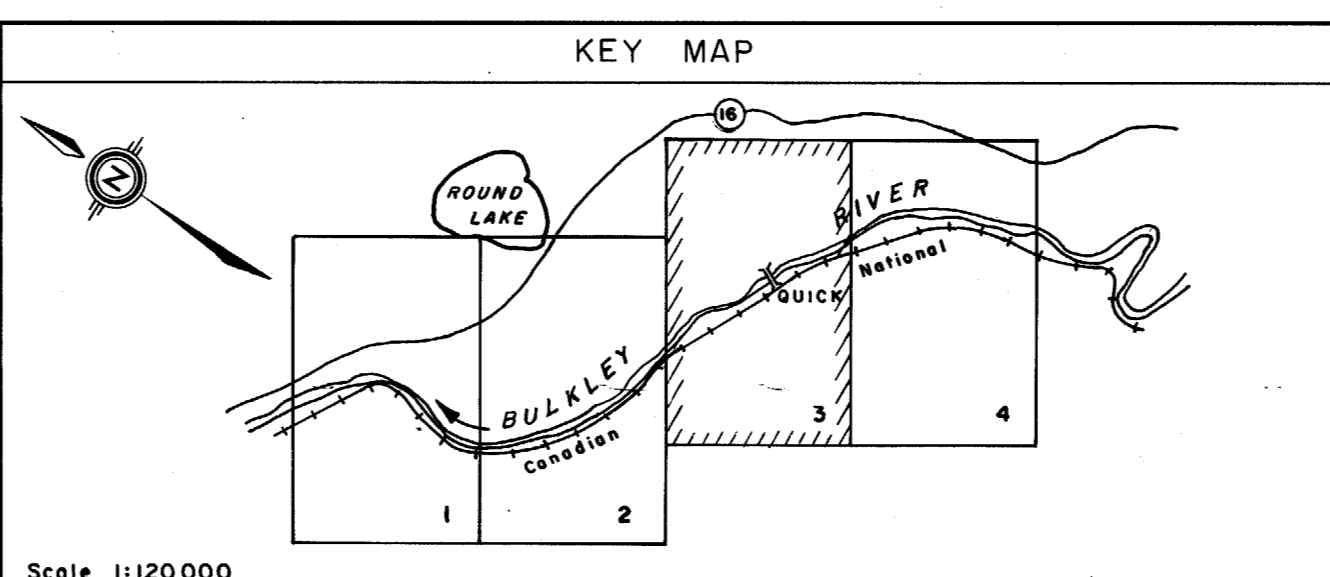
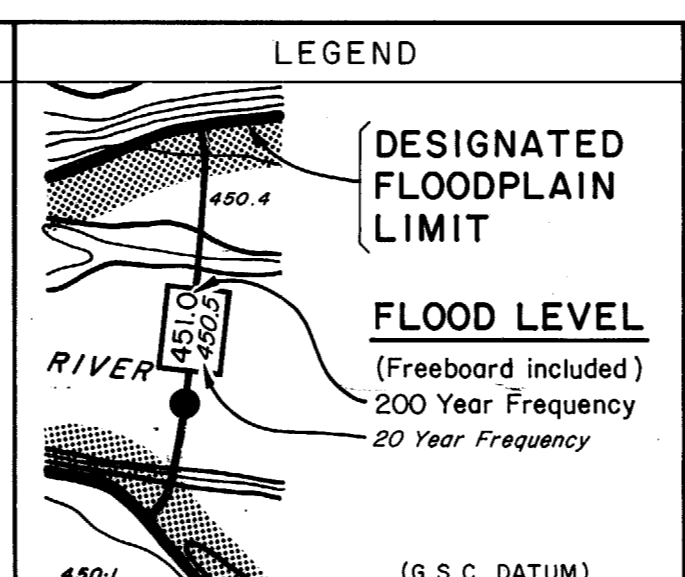
Produced by: British Columbia Water Management Branch, Special Projects Section Floodplain Mapping Program.

Survey: River survey done by Surveys Section, Water Management Branch, September 1985, Project No. 85-RPP12  
 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, February 1984, Project No. 82-071T-0.  
 a) Contour interval 2.0 metre and greater; spot elevations shown to 0.5 metres, with accuracy to ± 0.5 metres, except where noted.  
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**REVISIONS**

No.	DESCRIPTION	DATE

ISSUE OF MAPPING DATE: NOVEMBER 1986 DRAWN: N.F.A. CHECKED: P.T.D. RIVER SURVEY: T.M.D. DESIGNED: F.W.D.	Ministry of Environment Water Management Branch	PRELIMINARY FLOODPLAIN MAPPING <b>BULKLEY RIVER</b> <b>QUICK AREA</b>	FILE No. 46-0000-S.1 N.T.S. MAP No. 93 L/10 SCALE 1:5 000 NEGATIVE No. 280 150 DRAWING No. 86-23-3 SHEET 3 of 4
ENGINEER: R.W. Mills RECOMMENDED: [Signature] APPROVED: [Signature]			

**Use and Limitations of Floodplain Maps**

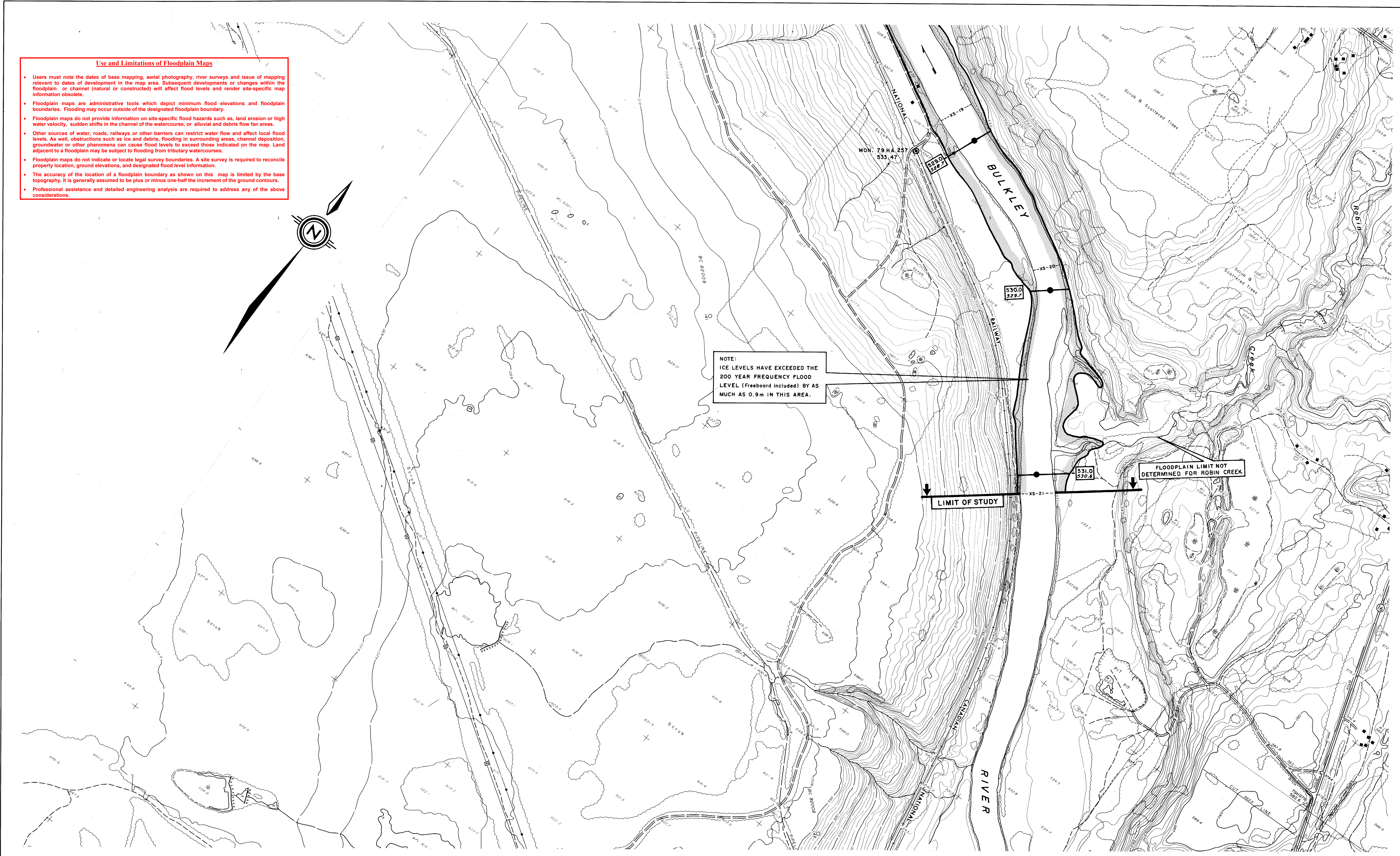
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NOTE:  
ICE LEVELS HAVE EXCEEDED THE  
200 YEAR FREQUENCY FLOOD  
LEVEL (Freeboard included) BY AS  
MUCH AS 0.9m IN THIS AREA.

FLOODPLAIN LIMIT NOT  
DETERMINED FOR ROBIN CREEK

LIMIT OF STUDY



**NOTES**

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

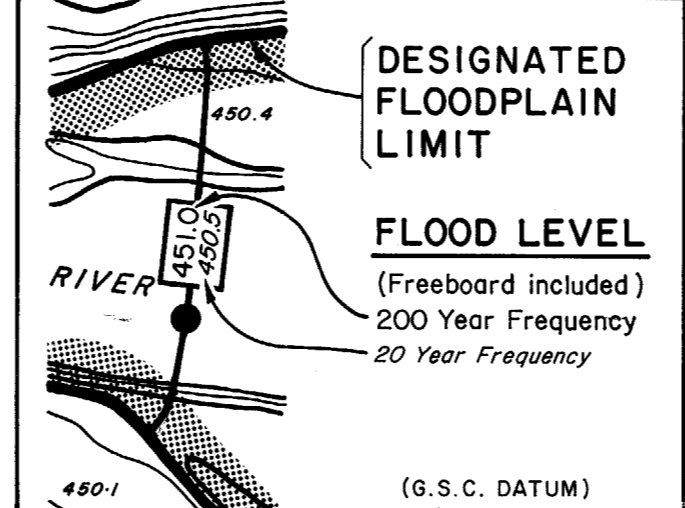
Survey: River survey done by Surveys Section, Water Management Branch, September 1985, Project No. 85-RPP12.

Mapping: Base mapping done by Map Production Division, Surveys and Resource Mapping Branch, February 1984, Project No. 82-0711-0.

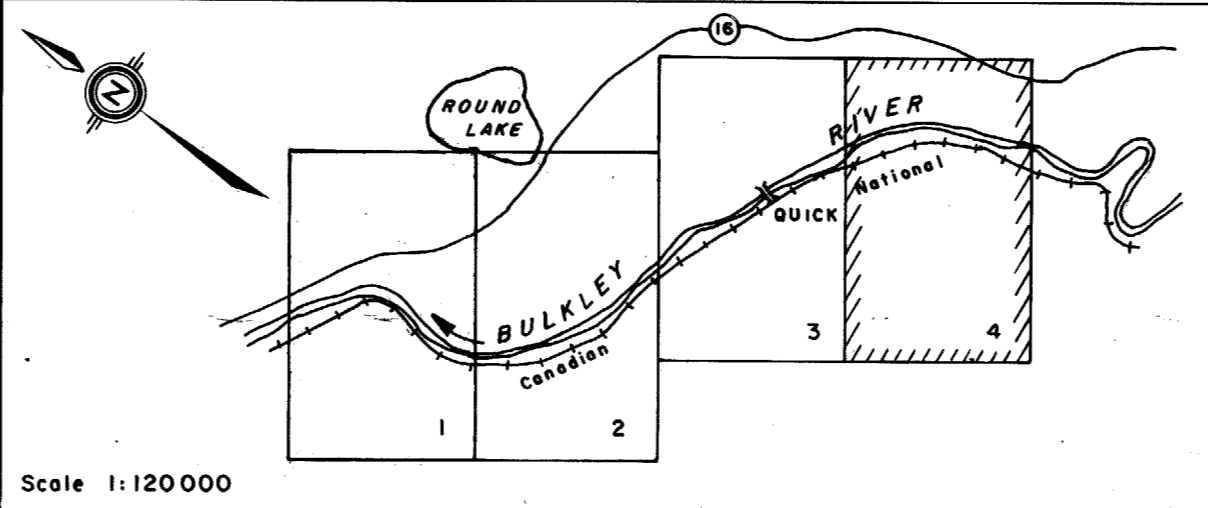
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**LEGEND**



**KEY MAP**



**REVISIONS**

No.	DESCRIPTION	DATE

ISSUE OF MAPPING  
DATE: NOVEMBER 1986

DRAWN: N.F.A.

CHECKED: P.T.D.

RIVER SURVEY: T.M.D.

DESIGNED: F.W.D.

ENGINEER: R.W. Gihl

Province of British Columbia  
Ministry of Environment  
Water Management Branch

**PRELIMINARY FLOODPLAIN MAPPING  
BULKLEY RIVER  
QUICK AREA**

RECOMMENDED: [Signature]

APPROVED: [Signature]

FILE No. 46-0000-S.1

N.T.S. MAP No. 93 L/10

SCALE 1 : 5 000

NEGATIVE No. 200 151

DRAWING No. 86-23-4

SHEET 4 of 4