

NOTE:
DEEP CREEK FLOODPLAIN LIMITS NOT DETERMINED.

NOTE:
1. THE FLOODPLAIN LIMITS AS SHOWN ARE WITHIN THE ACCURACY OF THE BASE MAPPING. SITE SPECIFIC GROUND ELEVATIONS SHOULD BE CONFIRMED BY FIELD SURVEY.
2. PROBLEMS RELATED TO MAJOR CHANNEL DISLOCATION, PROPERTY DAMAGE AND DEBRIS OR ICE JAMMING HAVE BEEN OBSERVED IN THE BULKLEY RIVER FLOODPLAIN.
3. PONDING MAY OCCUR UPSTREAM OF TRANSPORTATION ROUTE EMBANKMENTS DUE TO DEBRIS JAMMING AT BRIDGES OR CULVERTS RESULTING IN THE FLOOD LEVELS BEING EXCEEDED.

NOTE:
SEE FLOODPLAIN MAPPING DRAWINGS 86-23-1 TO 4, "BULKLEY RIVER QUICK AREA".

Use and Limitations of Floodplain Maps

- Users must note the date of base mapping, aerial photography, river surveys and issue of mapping relevant to developments in the area. Subsequent developments or changes within the floodplain, or changes in natural or constructed features 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 trees and debris, flooding in surrounding areas, channel deposition, groundwater seepage, etc. may 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 local legal survey boundaries. A site survey is required to reconfirm 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	FLOODPLAIN DATA	LEGEND	KEY MAP	REVISIONS	ISSUE OF MAPPING	ENVIRONMENT CANADA INLAND WATERS Eaux Intérieures	BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS COLUMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT	CANADA BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA-COLUMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION	FILE No. 35100-30/460-0000				
<p>Produced by British Columbia Ministry of Environment, Land & Parks Resource Inventory and Data Management Branch, Floodplain Mapping Program</p> <p>Source: River survey done by Ministry of Environment, Land & Parks Resource Inventory and Data Management Branch, Water Services Unit-Operations Group-Inventory Section Project: Floodplain Mapping Program</p> <p>Map: Base mapping done by Land Department, Geographic Data BC, Operations Section, Project 82-11, No. 27 All photography from 1982</p> <p>at various intervals of time and space, with the assumption shown on the map, with a specified bank erosion is not shown. This information is available to them through local municipalities or the Ministry of ENVIRONMENT, LANDS & PARKS</p> <p>© Inland Waters (not to be published without written consent of the Crown) © Inland Waters (not to be published without written consent of the Crown) © Inland Waters (not to be published without written consent of the Crown)</p>	<ol style="list-style-type: none"> The floodplain areas as depicted on this map have been interline 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 & PARKS. Flooding may still occur outside of the interline designated floodplain areas. The Ministers do not assume any liability by reason of the interline designation or failure to interline designate areas on this map. The designated flood has a statistical frequency of occurrence of once every 200 years. The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions. The floodplain limits assume the absence of all dikes. The floodplain limits and flood levels include an allowance for freeboard. The floodplain limits are not established on the ground by legal survey. The floodplain limits are not delineated for side streams and tributaries. The required setback of buildings from the natural boundaries of lakes and watercourses to allow for the passage of floodwaters and debris is not shown. This information is available to them through local municipalities or the Ministry of ENVIRONMENT, LANDS & PARKS. 	<p>DESIGNATED FLOODPLAIN LIMIT</p> <p>FLOOD LEVEL (Freeboard included) 200 Year Frequency 20 Year Frequency</p> <p>(G.S.C. DATUM)</p>	<p>Scale 1:250 000</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	DESCRIPTION	DATE				<p>DATE September 30, 1998</p> <p>DRAWN </p> <p>CHECKED </p> <p>RIVER SURVEY MP</p> <p>DESIGNED BB</p> <p>ENGINEER <i>R.W. Nichol</i></p>	<p>ENVIRONMENT CANADA INLAND WATERS Eaux Intérieures</p> <p>BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS COLUMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT</p> <p>CANADA BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA-COLUMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION</p> <p>FLOODPLAIN MAPPING BULKLEY RIVER QUICK TO HOUSTON</p> <p>Scale 1:5000</p> <p>100m 0 100 200 300 400 500m</p> <p>RECOMMENDED <i>R.W. Nichol</i></p> <p>APPROVED <i>S.H.L.</i></p>	<p>N.T.S. MAP No. 93 L</p> <p>SCALE 1:5000</p> <p>NEGATIVE No. </p> <p>DRAWING No. REV. 96-10-1</p> <p>SHEET 1 of 6</p>
No.	DESCRIPTION	DATE											

SEE SHEET 2

6 048 000

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 water, trees or other natural and cultural features.
- Other sources of water, seeps, canyons or other barriers can restrict water flow and affect local flood levels. As well, obstructions such as ice and debris jamming in surrounding areas, channel deposition, and various 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.
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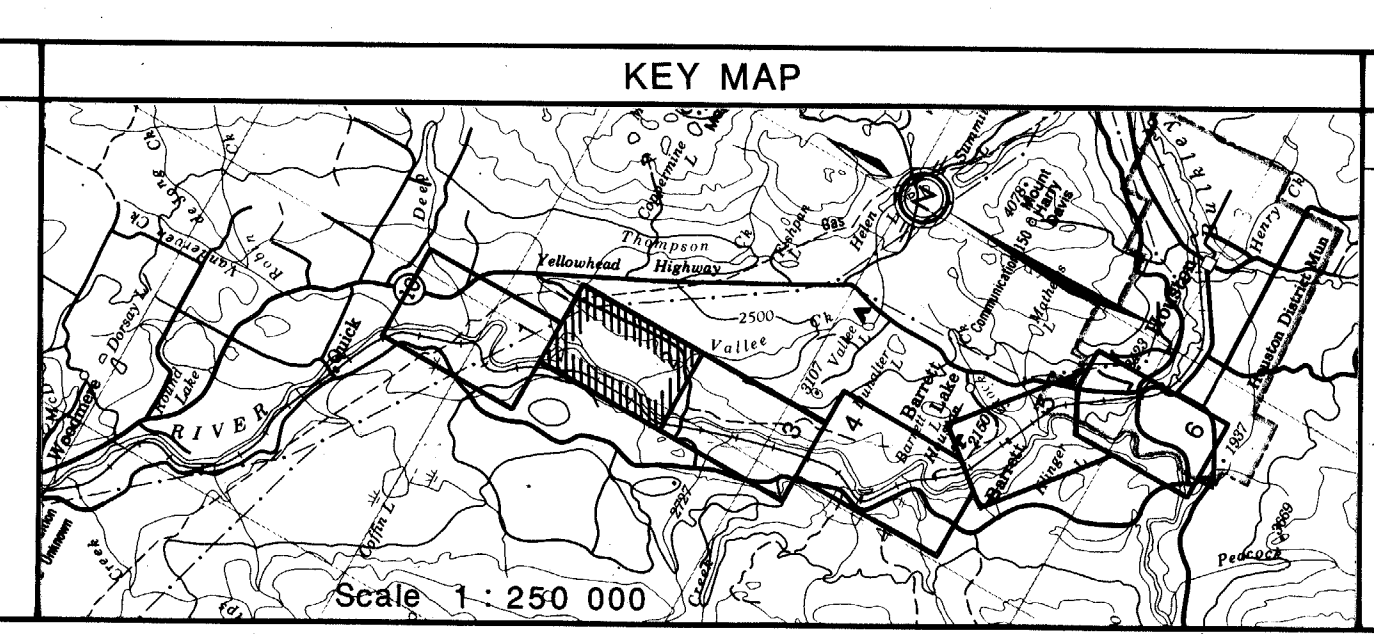
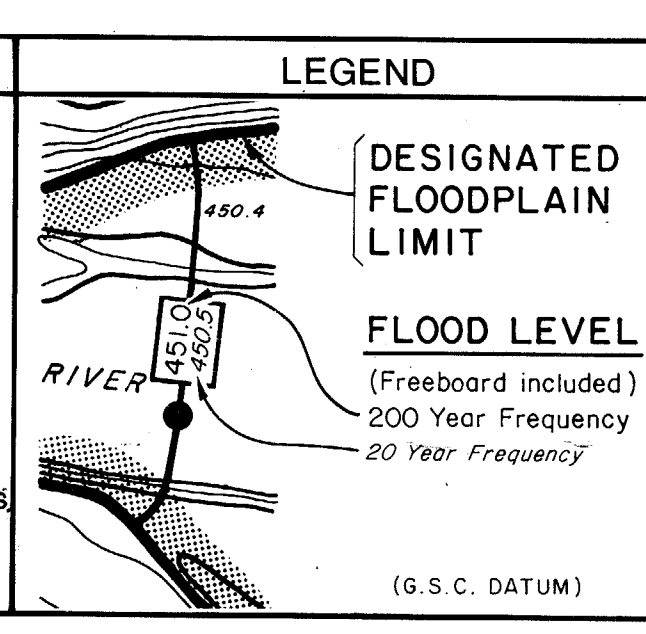
NOTE:
 VALLEE CREEK FLOODPLAIN LIMITS NOT DETERMINED.

SEE SHEET 1

SEE SHEET 3

NOTES
 Produced by: British Columbia Ministry of Environment, Lands & Parks
 Inland Waters Division and Data Management Branch,
 Floodplain Mapping Program
 Survey: River survey done by Ministry of Environment, Lands & Parks
 Resources Inventory and Data Management Branch,
 Water Services Unit Operations Group, Aquatic Inventory Section
 Project No. 99-000
 Mapping: Data mapping done by Lands Department, Geographic
 Data BC, Operations Section, Project 82-011, NAD 27
 All elevations in feet
 (c) All rights reserved
 (d) Crown interest in water and ground, with specific
 exceptions shown on license, with a specified
 amount of 25.0 metres, except where noted
 otherwise. All other rights reserved.
 (e) Grid origin referred to U.T.M. Projection Zone 8.

FLOODPLAIN DATA
 1. The floodplain areas as depicted on this map have been interim 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 & PARKS.
 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 tide 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 & PARKS.



REVISIONS

No.	DESCRIPTION	DATE

ISSUE OF MAPPING
 DATE: September 30, 1998
 DRAWN: []
 CHECKED: []
 RIVER SURVEY: MP
 DESIGNED: BB
 ENGINEER: R.W. Nicholls
 RECOMMENDED: R.W. Nicholls
 APPROVED: [Signature]

ENVIRONMENT CANADA
 INLAND WATERS
 ENVIRONNEMENT CANADA
 EAUX INTÉRIEURES

BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS
 COLOMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT

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

FLOODPLAIN MAPPING
BULKLEY RIVER
QUICK TO HOUSTON

Scale 1:5000
 100m 0 100 200 300 400 500m

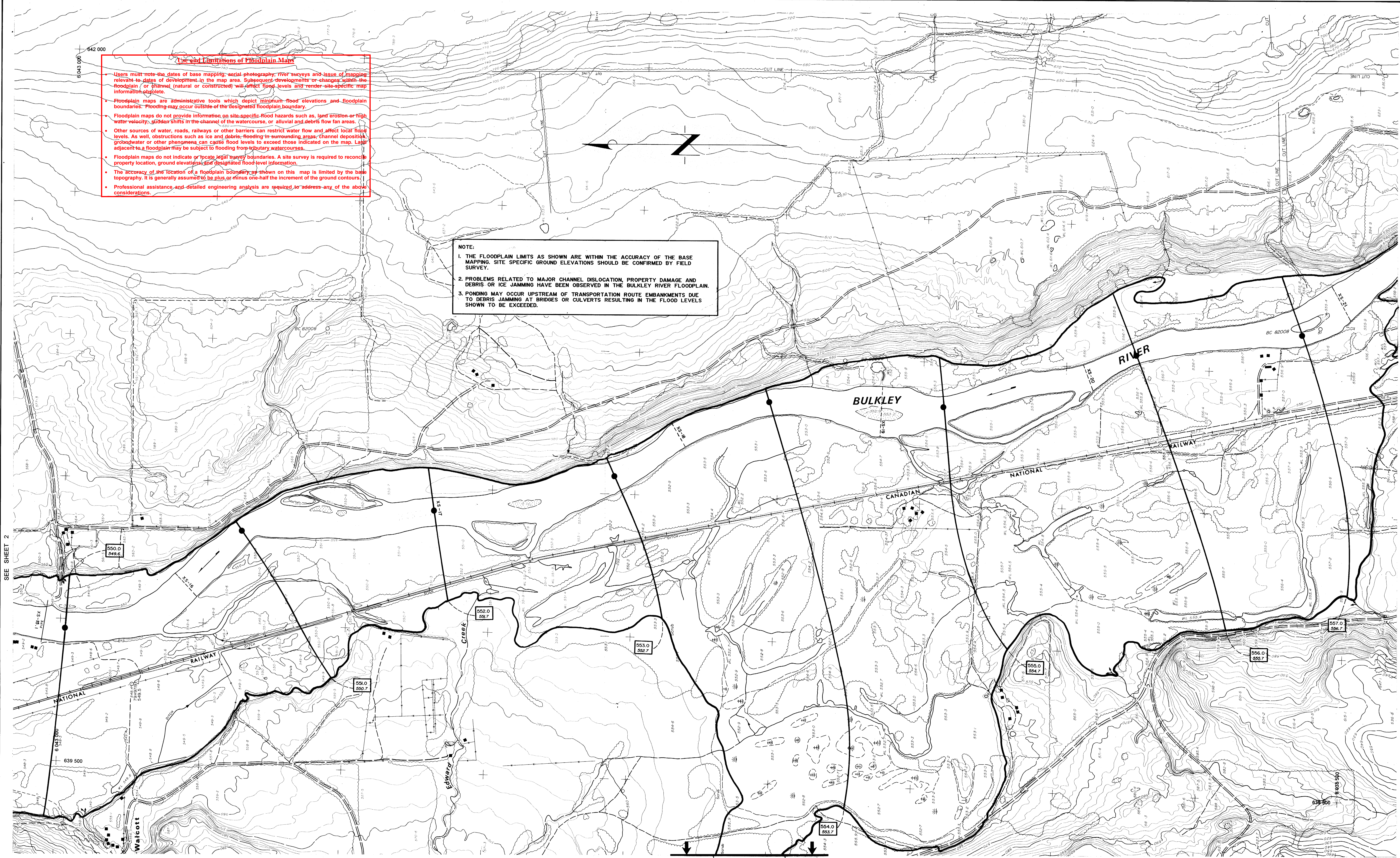
FILE No. 35100-30/480-0000
 N.T.S. MAP No. 93 L
 SCALE 1:5000
 NEGATIVE No. []
 DRAWING No. REV. 96-10-2
 SHEET 2 of 6

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 deposits, 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.
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NOTES

Produced by British Columbia Ministry of Environment, Lands & Parks
Resource Inventory and Data Management Branch,
Floodplain Mapping Program

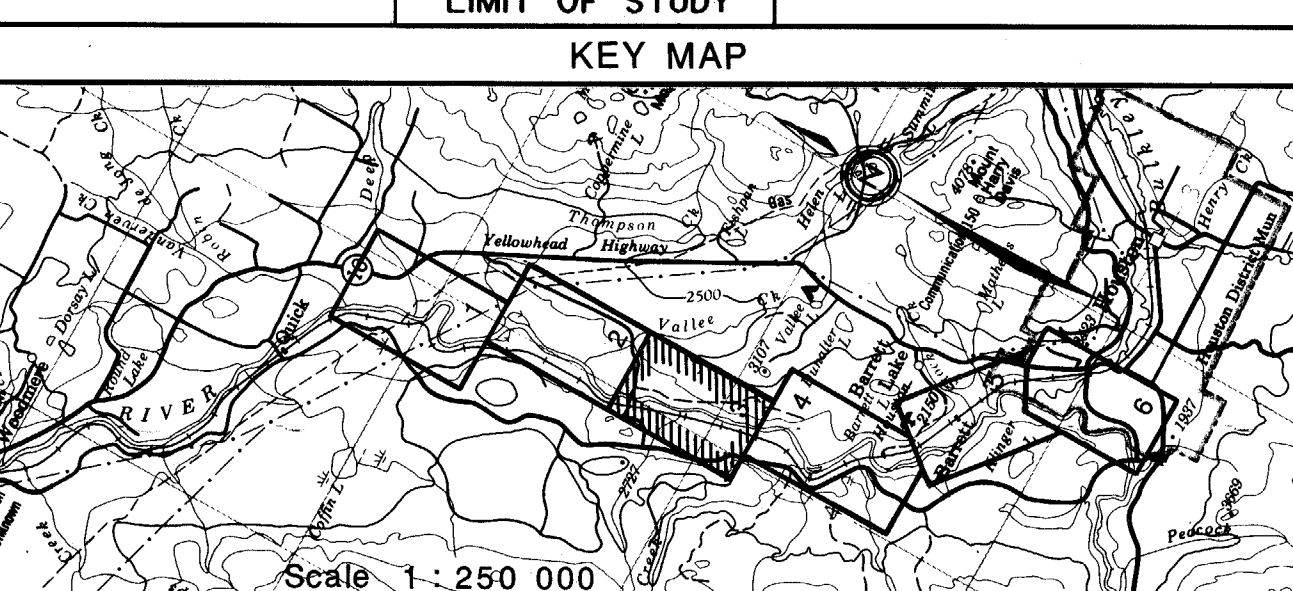
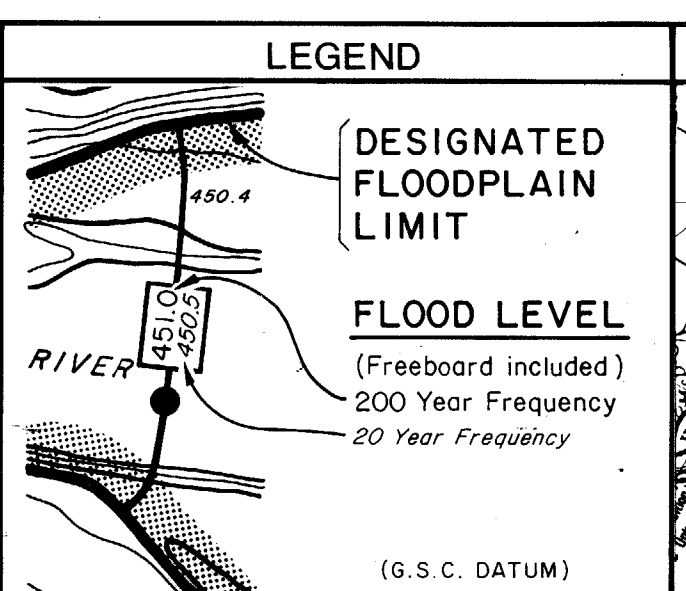
Survey: River survey done by Ministry of Environment, Lands & Parks
Resource Inventory and Data Management Branch,
Water Survey Unit/Operations Group/Agentic Inventory Section
Project No. 31255

Map: Base mapping done by Land Department, Geographic
Data BC, Computer Section, Project No. 411, Map 21
Air Photography June 1982

All contours derived from aerial photos, with spot
elevations shown to 0.1 metres, with a specified
interval of 0.5 metres, except where noted.
Contour Elevation Data BC for further details on
base mapping specifications.
to Grid origin referred to U.T.M. Projection Zone 9

FLOODPLAIN DATA

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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.
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REVISIONS

No.	DESCRIPTION	DATE

ISSUE OF MAPPING
DATE: September 30, 1996

ENVIRONMENT CANADA
INLAND WATERS
ENVIRONNEMENT CANADA
Eaux Intérieures

BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS
COLOMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT

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

FILE No. 35100-30/460-0000
N.T.S. MAP No. 93 L
SCALE 1:5000
NEGATIVE No.
DRAWING No. 96-10-3
REV. SHEET 3 of 6

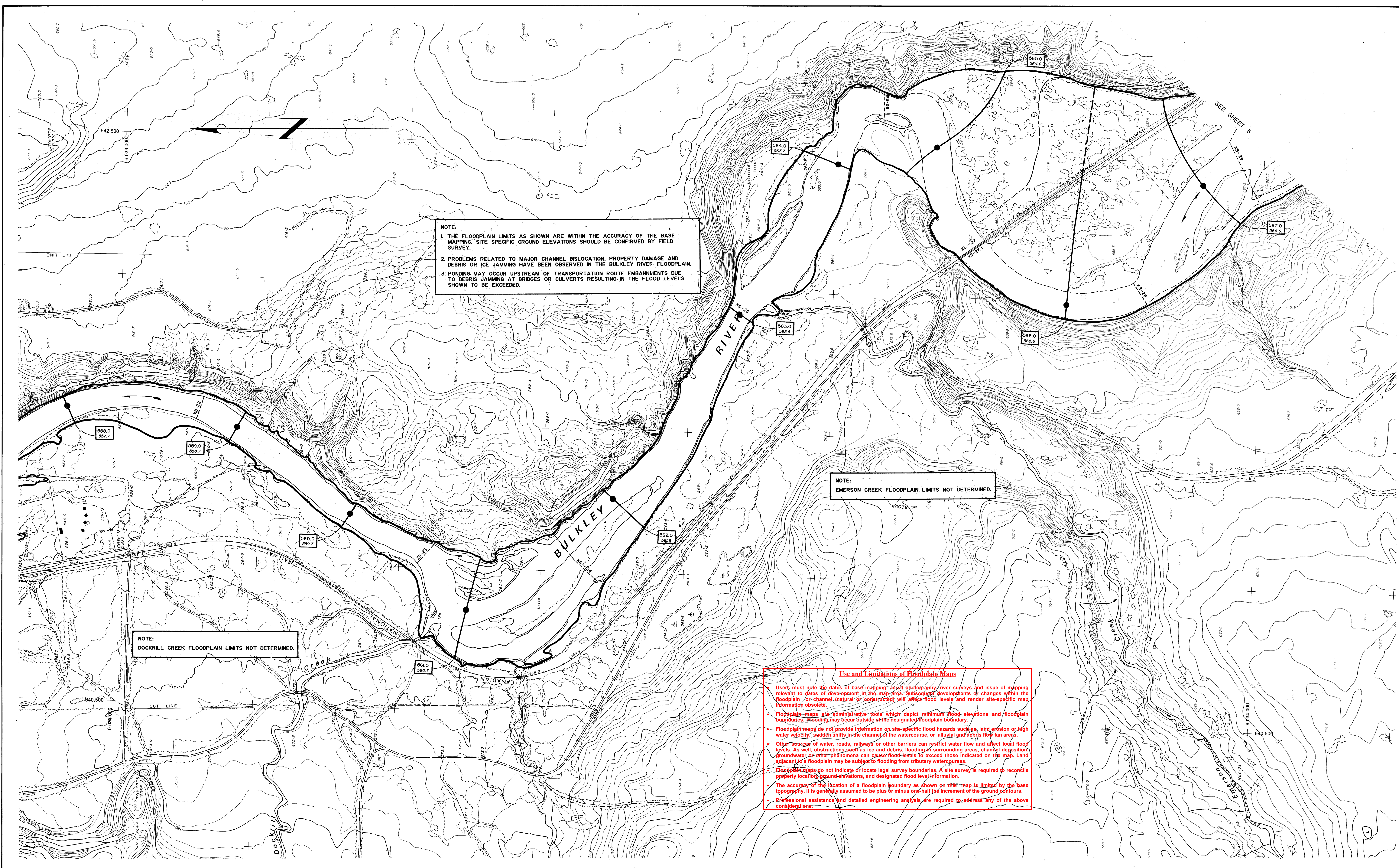
FLOODPLAIN MAPPING BULKLEY RIVER QUICK TO HOUSTON

SCALE 1:5000

100m 0 100 200 300 400 500m

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

SEE SHEET 2



NOTE:

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NOTE:
EMERSON CREEK FLOODPLAIN LIMITS NOT DETERMINED.

NOTE:
DOCKRILL CREEK FLOODPLAIN LIMITS NOT DETERMINED.

Use and Limitations of Floodplain Maps

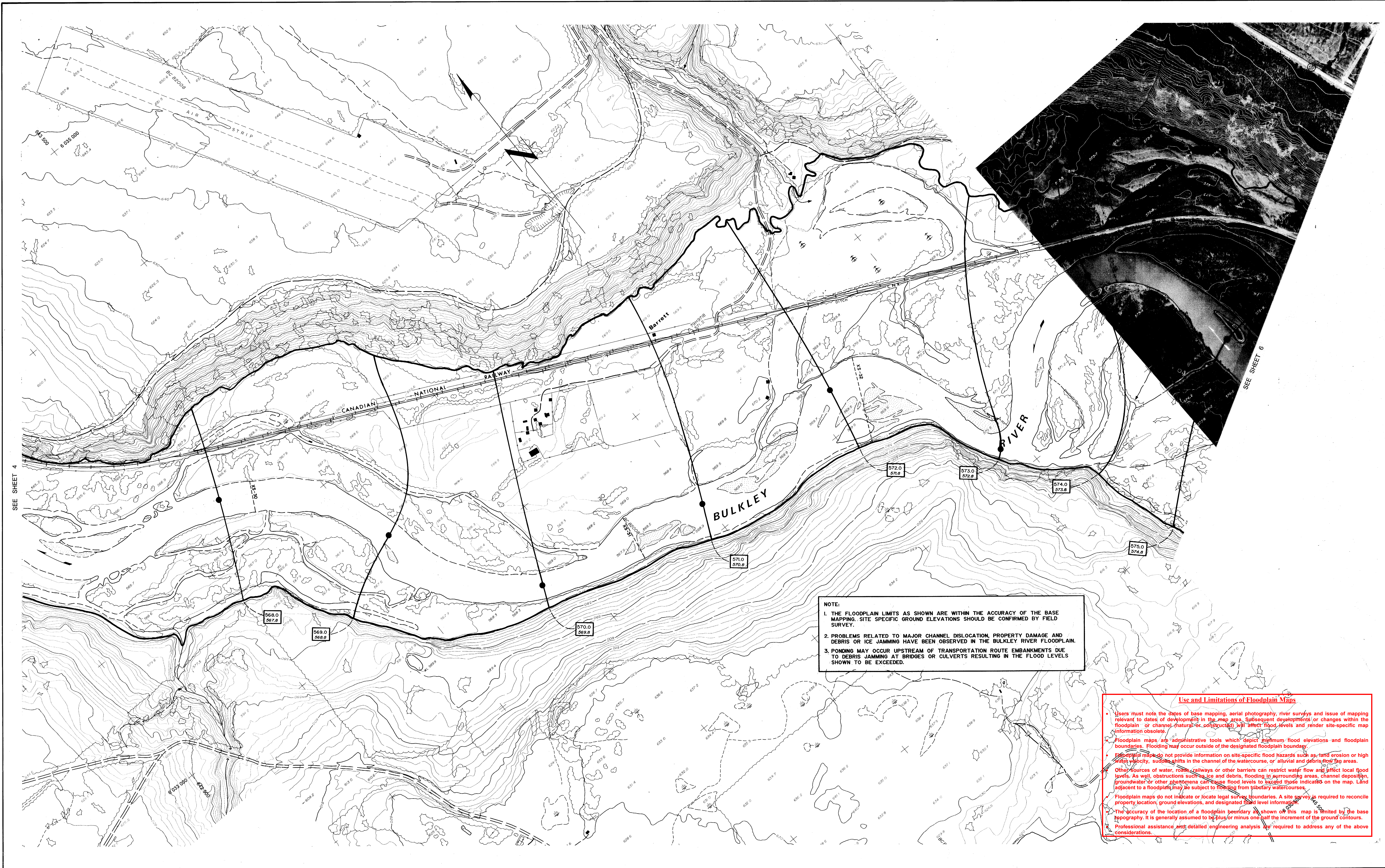
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SEE SHEET 3

SEE SHEET 5

<p>NOTES</p> <p>Produced by: British Columbia Ministry of Environment, Lands & Parks Resource Inventory and Data Management Branch Floodplain Mapping Program</p> <p>Survey: River survey done by Ministry of Environment, Lands & Parks Resource Inventory and Data Management Branch Water Services Unit (Coastal Group, Aquatic Inventory Section Project No. 91100)</p> <p>Mapping: Base mapping done by Lands Department, Geographic Data BC, Operations Section, Project 87-071, NAD 27 All elevations in metres and all referred to Canadian Survey of Canada Mean (Canadian Mean Sea Level)</p> <p>© Crown in right of British Columbia, with special reference to the Ministry of Environment, Lands & Parks and the Ministry of Forests, Range and Wildlife Development © 1998 All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from the Ministry of Environment, Lands & Parks.</p>	<p>FLOODPLAIN DATA</p> <ol style="list-style-type: none"> 1. The floodplain areas as depicted on this map have been interm 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 & PARKS. Flooding may still occur outside of the interm designated floodplain areas. The Ministers do not assume any liability by reason of the interm designation or failure to interm 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 surveys. 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 & PARKS. 	<p>LEGEND</p> <p>DESIGNATED FLOODPLAIN LIMIT</p> <p>FLOOD LEVEL (Freeboard included) 200 Year Frequency</p> <p>(G.S.C. DATUM)</p>	<p>KEY MAP</p> <p>Scale 1:250 000</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	DESCRIPTION	DATE				<p>ISSUE OF MAPPING</p> <p>DATE: September 30, 1998</p> <p>DRAWN: _____</p> <p>CHECKED: _____</p> <p>RIVER SURVEY: MP</p> <p>DESIGNED: BB</p> <p>ENGINEER: R.W. Dickie</p> <p>RECOMMENDED: R.W.N.</p> <p>APPROVED: [Signature]</p> <p>ENVIRONMENT CANADA INLAND WATERS ENVIRONNEMENT CANADA EAUX INTÉRIEURES</p> <p>BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS COLOMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT</p> <p>CANADA-BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA-COLOMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION</p> <p>FILE No. 35100-30/460-0000 N.T.S. MAP No. 93 L SCALE 1:5000 NEGATIVE No. _____ DRAWING No. REV. 96-10-4 SHEET 4 of 6</p>
No.	DESCRIPTION	DATE									



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 Resource Inventory and Data Management Branch
 Floodplain Mapping Program

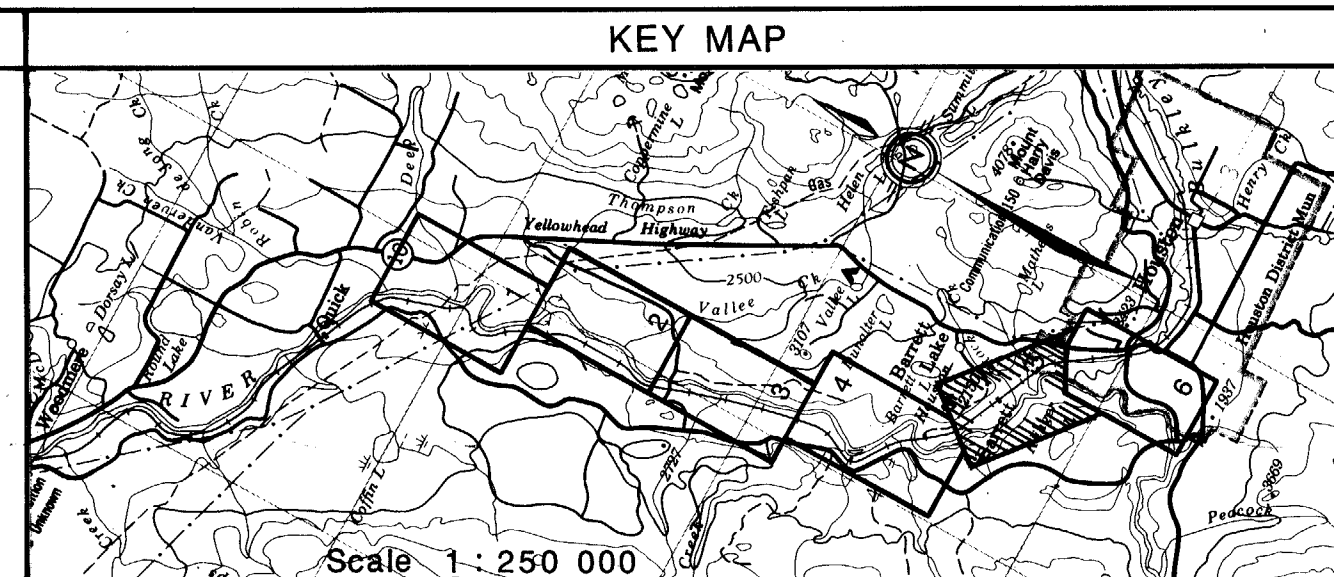
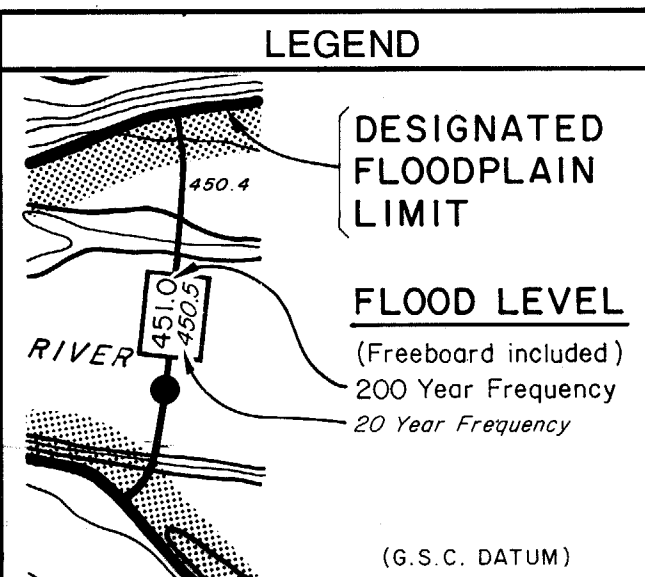
Survey: River survey done by Ministry of Environment, Lands & Parks
 Resource Inventory and Data Management Branch
 Water Survey Unit Operations Group, Aquatic Inventory Section
 Project # 96-105

Mapping: Base mapping done by Land Department, Geographic Data BC, Operations Section, Project #2-071, NAD 27
 Air Photography Date: 1982

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REVISIONS

No.	DESCRIPTION	DATE

ISSUE OF MAPPING DATE September 30, 1996	ENVIRONMENT CANADA INLAND WATERS ENVIRONNEMENT CANADA Eaux Interieures	BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS COLOMBIE-BRITANNIQUE MINISTRE DE L'ENVIRONNEMENT	CANADA-BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA-COLOMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES INONDATION	FILE No. 35100-30/460-0000 N.T.S. MAP No. 93 L SCALE 1:5000 NEGATIVE No. 96-10-5 DRAWING No. REV. SHEET 5 of 6
DRAWN _____ CHECKED _____ RIVER SURVEY MP DESIGNED BB		FLOODPLAIN MAPPING BULKLEY RIVER QUICK TO HOUSTON		
ENGINEER <i>R.W. Nichol</i>		SCALE 1:5000 100m 0 100 200 400 500m		
RECOMMENDED <i>R.W.</i>		APPROVED <i>[Signature]</i>		

Use and Limitations of Floodplain Maps

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- 3. Floodplain maps do not provide information on site-specific flood hazards such as, land erosion or high water velocity. Critical shifts in the channel of the watercourse, or adjacent and debris flow fan areas.
- 4. Other changes of water tables, surface or other factors can affect water flow and affect local flood levels. Site specific information such as the area of flooding in surrounding areas, channel deposition, groundwater or other developments can cause flood levels to exceed those indicated on the map. Land adjacent to a floodplain may be subject to flooding from other watercourses.
- 5. Floodplain maps do not indicate the local survey boundaries. A site survey is required to reconfirm property location, ground elevations and floodplain information.
- 6. The accuracy of the location of a floodplain boundary as shown on this map is limited by the base topography. It is generally assumed that the 200 Year Flood Level is the maximum of the ground contours.
- 7. Professional assistance and detailed topographic analysis are required to address any of the above considerations.

NOTE:
SEE FLOODPLAIN MAPPING DRAWINGS
85-14-1 TO 3, "BULKLEY RIVER AT HOUSTON".

- NOTE:
1. THE FLOODPLAIN LIMITS AS SHOWN ARE WITHIN THE ACCURACY OF THE BASE MAPPING. SITE SPECIFIC GROUND ELEVATIONS SHOULD BE CONFIRMED BY FIELD SURVEY.
 2. PROBLEMS RELATED TO MAJOR CHANNEL DISLOCATION, PROPERTY DAMAGE AND DEBRIS OR ICE JAMMING HAVE BEEN OBSERVED IN THE BULKLEY / MORICE RIVER FLOODPLAINS.
 3. PONDING MAY OCCUR UPSTREAM OF TRANSPORTATION ROUTE EMBANKMENTS DUE TO DEBRIS JAMMING AT BRIDGES OR CULVERTS RESULTING IN THE FLOOD LEVELS SHOWN TO BE EXCEEDED.

NOTES

Produced by British Columbia Ministry of Environment, Lands & Parks, Resource Inventory and Data Management Branch, Floodplain Mapping Program.

Survey: Base survey data by Ministry of Environment, Lands & Parks Resource Inventory and Data Management Branch, Water Survey of Canada Operations Group Aquatic Inventory Section, Project 96-10 (F00).

Mapping: Base mapping done by Lands Department, Geographic Data BC, Operations Section, Project 82-071, NAD 83, Air Photographic Data (1982).

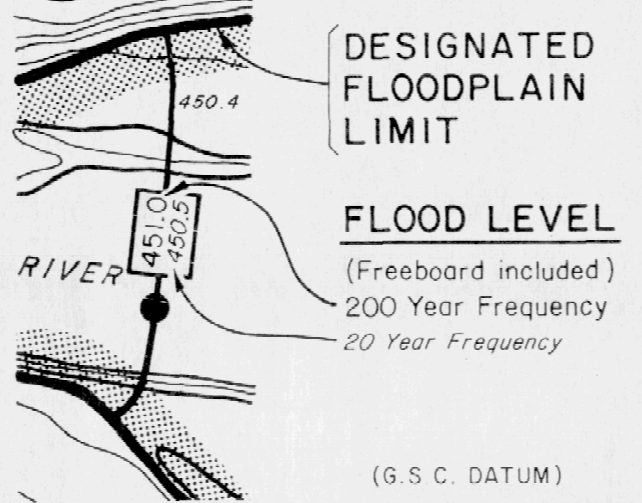
at Colours (except 2 name and number, with spot elevations shown as 10 foot factors, with a specified accuracy of ±0.3 metres, except where noted. Contact Geographic Data BC for further details on base mapping specifications.

b) Grid unique referred to U.T.M. Projection Zone 9.

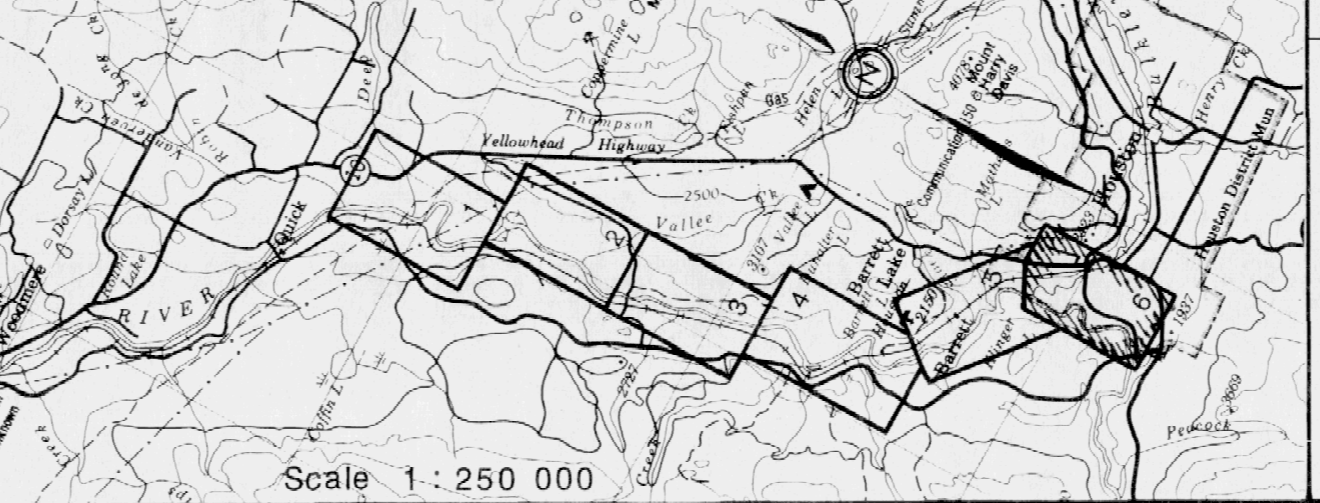
FLOODPLAIN DATA

1. The floodplain areas as depicted on this map have been interin 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 & PARKS. Flooding may still occur outside of the interin designated floodplain areas. The Ministers do not assume any liability by reason of the interin designation or failure to interin 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, LANDS & PARKS.

LEGEND



KEY MAP



REVISIONS

No.	DESCRIPTION	DATE

ISSUE OF MAPPING DATE	September 30, 1998
DRAWN	
CHECKED	
RIVER SURVEY	MP
DESIGNED	BB
ENGINEER	

ENVIRONMENT CANADA INLAND WATERS ENVIRONNEMENT CANADA EAUX D'INTERIEURES	BRITISH COLUMBIA MINISTRY OF ENVIRONMENT, LANDS & PARKS COLUMBIE-BRITANNIQUE MINISTÈRE DE L'ENVIRONNEMENT	CANADA BRITISH COLUMBIA FLOODPLAIN MAPPING AGREEMENT L'ACCORD CANADA-COLUMBIE-BRITANNIQUE SUR LA CARTOGRAPHIE DES PLAINES D'INONDATION	FILE No. 35100-30/460-0000 N.T.S. MAP No. 93 L SCALE 1:5000 NEGATIVE No. DRAWING No. REV. 96-10-6 SHEET 6 of 6
FLOODPLAIN MAPPING BULKLEY RIVER QUICK TO HOUSTON			RECOMMENDED _____ APPROVED _____ SCALE 1:5000 100m 0 100 200 300 400 500m