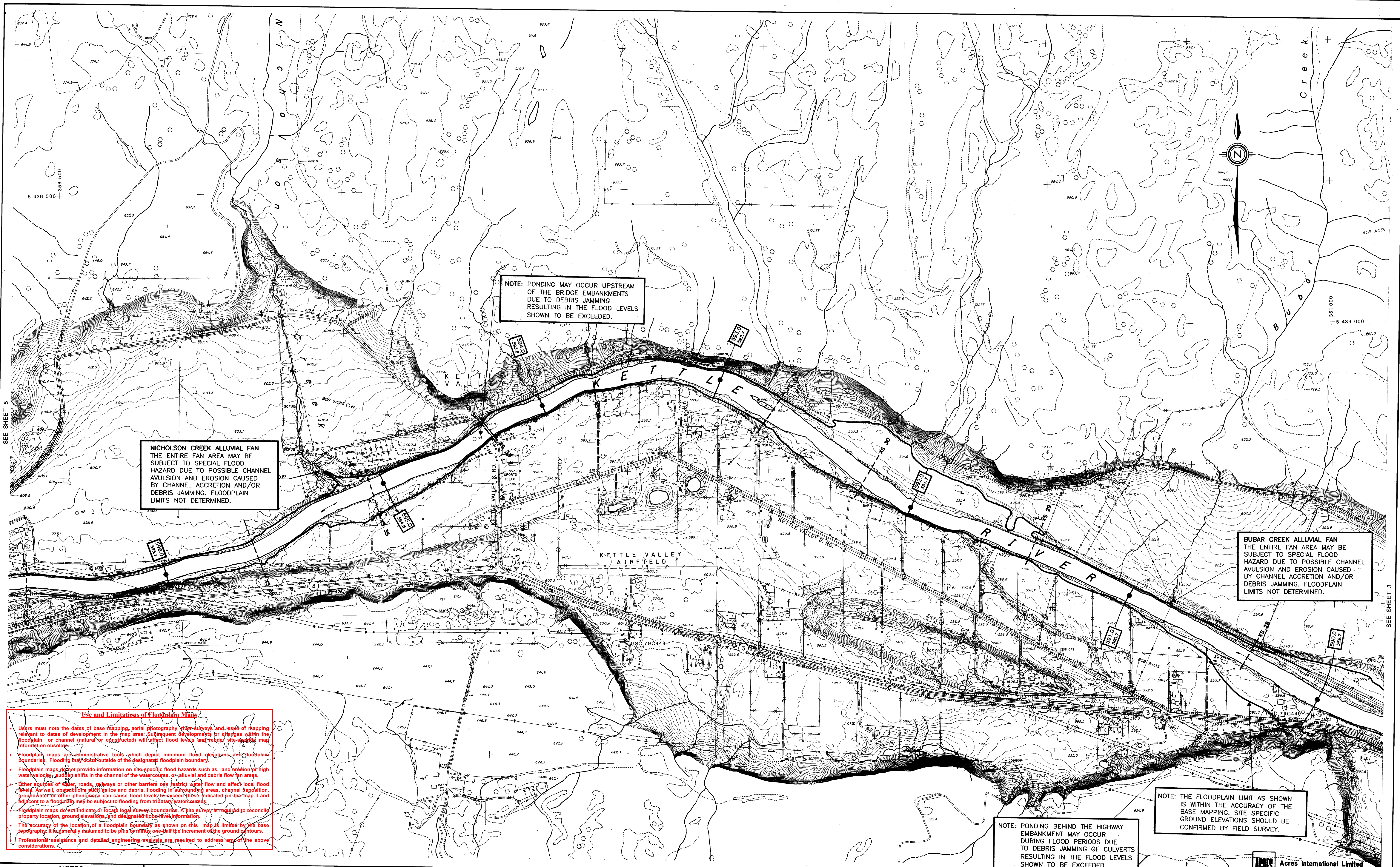




NOTE: PONDING MAY OCCUR UPSTREAM OF THE BRIDGE EMBANKMENTS DUE TO DEBRIS JAMMING RESULTING IN THE FLOOD LEVELS SHOWN TO BE EXCEEDED.

NICHOLSON CREEK ALLUVIAL FAN THE ENTIRE FAN AREA MAY BE SUBJECT TO SPECIAL FLOOD HAZARD DUE TO POSSIBLE CHANNEL AVULSION AND EROSION CAUSED BY CHANNEL ACCRETION AND/OR DEBRIS JAMMING. FLOODPLAIN LIMITS NOT DETERMINED.

BUBAR CREEK ALLUVIAL FAN THE ENTIRE FAN AREA MAY BE SUBJECT TO SPECIAL FLOOD HAZARD DUE TO POSSIBLE CHANNEL AVULSION AND EROSION CAUSED BY CHANNEL ACCRETION AND/OR DEBRIS JAMMING. FLOODPLAIN LIMITS NOT DETERMINED.

Use and Limitations of Floodplain Maps

- Users must note the dates of base mapping, aerial photography, river surveys and topographic 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 still occur outside of the designated floodplain areas.
- 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 local legal survey boundaries. A site survey is required to reconcile property location, ground elevations and designated flood levels 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.

NOTE: PONDING BEHIND THE HIGHWAY EMBANKMENT MAY OCCUR DURING FLOOD PERIODS DUE TO DEBRIS JAMMING OF CULVERTS RESULTING IN THE FLOOD LEVELS SHOWN TO BE EXCEEDED.

NOTE: THE FLOODPLAIN LIMIT AS SHOWN IS WITHIN THE ACCURACY OF THE BASE MAPPING. SITE SPECIFIC GROUND ELEVATIONS SHOULD BE CONFIRMED BY FIELD SURVEY.

NOTES		FLOODPLAIN DATA		LEGEND		KEY MAP		REVISIONS		ISSUE OF MAPPING		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		Scale in metres		DRAWING No.		REV.		SHEET 4 of 8	
Produced by: British Columbia Water Management Division, Hydrology Branch, Flood Identification Section.		1. The floodplain areas as depicted on this map have been designated pursuant to the Canada/British Columbia Floodplain Mapping Agreement (1989) by the Minister of the Environment for Canada and the Minister of Environment, Lands & Parks for British Columbia.		DESIGNATED FLOODPLAIN LIMIT		No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
Survey: River survey done by Water Management Division, Hydrology Branch, Technical Support Section, Project 95-10 F160.		2. The floodplain areas as depicted on this map have been designated pursuant to the Canada/British Columbia Floodplain Mapping Agreement (1989) by the Minister of the Environment for Canada and the Minister of Environment, Lands & Parks for British Columbia.		FLOOD LEVEL		No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
Mapping: Base mapping done by Lands Services Division, Survey and Resource Mapping Branch (SRMB), British Columbia, Project 95-10 F160, 93, NAD 1983, Air photography July, 1993.		3. The flood levels were computed using a standard step method modelling technique, assuming open water flow conditions.		200 Year Frequency		No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
a) Horizontal control based on provincial network.		4. The floodplain limits assume the absence of all dykes.		20 Year Frequency		No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
b) Elevation in metres and are referred to Geoid Survey of Canada datum.		5. The floodplain limits and flood levels include an allowance for freeboard.		(METRES G.S.C. DATUM)		No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
c) Indicates Survey Monument.		6. The floodplain limits are not established on the ground by legal survey.				No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
Base mapping done by Lands Services Division, Survey and Resource Mapping Branch (SRMB), British Columbia, Project 95-10 F160, 93, NAD 1983, Air photography July, 1993.		7. The floodplain limits are not established for side stream and tributaries.				No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
a) Contour interval 1 metre and greater; with spot elevations shown to 0.1 metres.		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.				No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
b) Contour interval 0.3 metres, except where noted.		9. MAPS AVAILABLE FROM THE MINISTRY OF ENVIRONMENT, LANDS & PARKS, SURVEYS & RESOURCE MAPPING BRANCH, MAPS B.C.				No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
c) Contour interval 0.1 metres, except where noted.		MAP & AIR PHOTO SALES, VICTORIA, B.C.				No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	
d) Grid origin referred to U.T.M. Projection Zone 11.						No.		DESCRIPTION		DATE		ENVIRONMENT CANADA		BRITISH COLUMBIA		CANADA		FLOODPLAIN MAPPING		KETTLE RIVER		MIDWAY-ROCK CREEK WESTBRIDGE		100m 0 100 200 300 400 500m		DRAWING No.		REV.		SHEET 4 of 8	