Kuskanax Creek at Nakusp

Project # **9414F037**

Code # **325037**

Requested by: R.W. Nichols, P. Eng.
Senior Hydraulic Engineer
Floodplain Hazard Identification

Field : September 15 - 20, 1994
Office : February - March, 1995

The field survey was carried out in favourable conditions by a four man crew under the supervision of T.M. Dignan. Standard Floodplain survey practices were observed throughout. Initial field reconnaissance carried out September 15, with layout and cross sections commencing the following day.

SURVEY LOGISTICS:

Kuskanax Creek: Sixteen cross sections were run, commencing at Arrow Lake and extending upstream approximately 3.04 kilometres. Cross sections are located on drawing 95 - 6 - 1.

SURVEY DATA:

Horizontal control for cross sections and profiles were established by EDM traverse using a total station theodolite. Vertical control was established by reciprocal height traversing, using a total station theodolite and confirmed by standard differential levelling. Data recorded in Field Book #2646-L1 and on disc labelled #2646-D. Data reduced, compiled and plotted using PC/Vax and HP Table Plotter by M. Spencer.

DATUM:

Horizontal control referred to British Columbia Survey Control Posts 67H7444 & 67H7425, obtained from Surveys and Resource Mapping Branch data bank listing dated September 16, 1994. NAD27 coordinates were used throughout. Vertical control is based on Geodetic Datum (NAD27) and referred to Geodetic Survey of Canada Bench Marks 70C119 and 70C120. Elevations are in metres and were obtained from G.S.C. vertical control data listing for quadrant #50117, revision #1, dated May, 1971.

DATA RETURNS:

Flood Hazard Identification Section: one volume containing;
-Chart and graph of water level profile;
-Copy of Water Survey of Canada description for station number 08E006;
-Profile statements and plots of Cross Sections 1 thru 16;
-Photographs of channel and bank conditions;
-Listing of G.R. Data for all cross sections;
-One copy of drawing #95 - 6 - 1, scale 1:5,000, showing location of cross sections and bench marks;
-3.5 inch computer disk with decimal and non-decimal G.Rs. for all cross section data obtained for this project.

A copy of this data volume, containing all of the above, has been provided for possible consultant/contractor needs.