

N. Thompson River Cross-sections

PROJECT # 77-FDC-7

Mapping: completed in 1973 under Project # 73-F2, etc.

Cross-sections: Due to the length of the river valley, (130 km) between Kamloops and Vancouver, the project was divided into 2 survey sectors.

In 1978 56 cross sections were obtained between Kamloops and Garrière, the remaining 56 sections between Garrière and Vancouver in 1979. Good locations sections were surveyed on the Clearwater River at Clearwater. Details of a railway and 5 road bridges were shown up.

The cross sections were established by out-in method from shore set ups for sounding with a theodolite Model 79B ^{also} sounder and shades for overbank sections.

The "thalweg" profile was run on June 21/1978 for the first part and on June 6 & 8 for the second part (57-112) Elevations for W.L. of thalweg were recorded at frequent intervals on the same day. The change of the cross sections was taken graphically of the controlled airphotograph mosaic with the confluence of the North and South Thompson Rivers being 0+00 All cross sections were referenced with iron bars on both river banks and marked on the airphotograph mosaics.

Coordinates as quoted on 1:50,000 data output are arbitrary. The elevations are in metres Geodetic Datum based on T.B.N.'s established by this office under Project # 73-F2b & c.

For the first part the 8 men crew was accommodated in the Scotts Motor Lodge in Kamloops and in the Quetzal Lake Motel in Clearwater for the second part. (Crews only).

Resident

F.B. # 2200 1978

G. Roberts

H. Keller

F.B. # 2241 1979

H. Brazier

R. Edward

B. Wanless