SUMMARY OF ELK RIVER SURVEY

Upstream of Elkford

75-F3(79)

This assignment was a 37 km extension of the Elk River Valley Floodplain Mapping Project 75-F3, covering the area north (u/s) of Elkford to Albridge Creek. However due to the limited time available in project was shortened to 26 km (valley distance) up to and including the confluence of Forsythe Creek, the location of a proposed Townsite by Fording Coal. 33 cross-sections were obtained on this stretch of the river (actual R. chainage 32500 m). Access to the river was a major problem; travelling to and from the work site was slow. Transportation by boat or foot along the river was very difficult and hazardous at times. A continuous W.L. and thalweg profile was impossible to obtain due to log jams, beaver dam, rapids, sandbars etc. Changes in the river channel since date of mosaic photography were marked on the mosaic, as well as the locations of I.B.'s, extend of cross-sections, T.B.M.'s, and vertical points. Double levels were run from XS 33 thru XS 1 to Integrated Survey Mon's. 4707 & 9554 in Elkford. The chainages as used on data sheets were taken by digitizer of the uncontrolled mosaic approx. Scale 1:10000.

Gauge #08NK016 located 15km N of Sparwood was tied to geodetic datum (TBM #1453 established by this crew in 1975 was used) and a natural boundary profile at the gauge was obtained.

The crew was accommodated in the Three Sisters Motel in Fernie between Aug. 14 -- Aug. 24, 1980

B. Schubert	levelling	Plans:	1 roll of x-sections
B. Wanless	levelling		1 W.L.; thalweg;
G. Roberts	Boat & Notes		Nat bdy' Profile
R. Edward	instrument		
H. Roller			
T. Roots	rod		
M. Lister			

P. S. After Fernie the crew travelled to Wycliffe - Hydro-Xing West Arrow Park - Malakwa (Eagle R) - Victoria