Summary of PROJECT # 80- RPP - 4

SLOCAN RIVER & LEMON CREEK CROSS SECTIONS

The request for this survey was made by the River Section Min. of Environment. Engineer in charge R.Rungas. The main objective of this project was to investigate the blockage in flow at the mouth of Lemon Creek. 71 cross section in all were obtained, 52 on the Slocan River and 19 on Lemon Creek. The extent of the survey was between the Kootenay River confluence and Slocan Lake. An attempt was made to place some of the cross sections on Lemon Creek in the same ~~local~~ location as the sections obtained by an earlier engineering study. To cover the Lemon Creek fan additional spotheights were obtained in the field. Since the fan area is of considerable size ,I suggested mapping of 5 models by the photogrammetric section which was turned down due to a lack of funds.

A longitudinal thalweg profile was obtained by spot depth only, assuming a constant water level grade between cross sections. Details of 13 bridges were taken as well as photographs.

Due to heavy bush and timber and thelength of cross section # 28 part of this section was obtained by field inspection only.

During our stay in the valley we were confronted by 3 different interest groups of very conflicting ideas in how to solve the problem. We also ran into extreme hostile attitude toward any type of survey, but in general enjoyed the cooperation of the public.

All cross sections were tied by level to geodetic datum but the positions as quoted are totally arbitrary. Each cross section was secured by bridge spikes on top of both banks. and marked on the airphotograph mosaic.

The crew was accommodated in the Villa Motel in Nelson and commuted daily. The survey was carried out during July and took 12 crew days to complete.

Data recorded in fieldbook # 2266

Party Chief: B Schubert

Instrumentman: R.Edward , H.Brazier

Level : B. Wanless

Notes & Rod: M.Lister;J.Carter; H.Roller

* CROSS SECTIONS ARE SHOWN ON UNCONTROLLED MOSAIC DWG No. A5317 SHEETS 1 TO 6

* ADDITIONAL CROSS SECTIONS # SLOCAN RIVER 331 TO 340 INCLUSIVE WERE SURVEYED IN OCTOBER 1981 AND DATA FILED UNDER PROJECT 80 RPP4,
FIVE (5) SECTIONS WERE LOCATED BETWEEN JULY 1980 SECTIONS 31 & 33. AND ONE (1) SECTION BETWEEN JULY 1980 XS 38 & 39.
LOCATION OF CROSS SECTIONS WERE ESTABLISHED BY AIR PHOTOGRAPH IDENTIFICATION IN THE FIELD AND WERE ASSIGNED ARBITRARY COORDINATES. CROSS SECTIONS ARE SHOWN ON UNCONTROLLED MOSAIC DWG. No. A5317 SHEETS 1 TO 6