SUMMARY

SHUSWAP RIVER FLOOD PLAIN MAPPING

PROJECT # 74 - F4

The project was iniated in the field on May 26, 1976. A total of 39 miles of the Shuswap River, from Mabel Lake to Mara Lake, was cross sectioned and controlled for air photo mapping. The field work was done basically in three parts, details are as follows.

Part one, covering the period May and June 1975, involved cross sectioning and profile of the Shuswap River for the entire 39 miles. A total of 87 cross sections were taken. At this time, 87 vertical points were established for air photographs (BC: 5640 No. 85-183) covering the section from Mabel Lake to Enderby. The basic level network for the entire 39 miles was also established. Finally a tellurometer traverse, in conjunction with the Eagle River Flood Plain Mapping (Proj. 74 -F2 Sept. 74) and from which horizontal control will be tied, was completed. This traverse required 19 stations yielding a total length of 93 miles. Air photography for the section from Enderby to Mara Lake was presently unavailable.

Part two, was carried out in the first week of October 1975, during which 10 Water Resources monuments were set and 15 horizontal points established. This completed information required for the section Mabel Lake to Enderby.

Finally, with air photographs (BC: 5689 No. 95-179 & 192-215) covering the section Enderby to Mara Lake, now available, the field work could be completed. This was done in the week September 27/76 to October 1/76. An additional 47 vertical points and 7 horizontal points were established. 7 Water Resources monuments were also set at this time.

All elevations quoted are on geodetic datum and based eitheron Geodetic Benchmarks 242-248 J or on Provincial Topographic 2nd order benchmarks from the G. New 1969 Level Control Network.

Horizontal positions quoted are based on station " QUEEST " a GSC first order station from Main Triangulation 1968. Polyconic positions with origin 51-119 and UTM coordinates in meters Zone 11, central meridian 117.

In summary, 87 cross sections were taken, 134 vertical points and 32 horizontal stations covering 205 air photographs were established, 17 monuments and a vast number of temporary benchmarks were set.

Field information recorded:

Cross section data - FB 2101 G, H, K-N

Horizontal data - FB 2101 I, J

Vertical data - FB 2101 A-F

INSTRUMENTMEN	AUXILARY STAFF	PARTY CHIEF
B. Schubert	P. Lacroix	B. R. Schubert
G. Roberts	P. May	
H. Brazier	R. Bereska	
R. Edward		

G. H. Roberts 16/12/76

Asst. Party Chief