PROJECT 73-29 January 18, 1974

SUMMARY OF BELLA COOLA SURVEY DEC. '73

During December 1973 over 70 cross sections were obtained on Nooklikonnik & Thorsen Creeks and the Bella Coola River. A stadia traverse was run to obtain the cross sections. The cross section markers, previously established by the Projects Division, were tied to this traverse. Due to poor location of existing control stations near Nooklikonnik Creek, the origin of this survey was established graphically from existing mapping. Elevations, however, were tied to GSC BM 1216J and compared favourably with the elevation obtained by stadia.

The Thorsen Creek data was tied to existing WRS Monuments with good horizontal agreement. The elevation misclosed by 2.00'. In the process of rechecking, a 2.00' error was found in the 1968 survey and proved to be in the height of station Thorsen. This in turn proved the '73 survey to be correct from WRS monument 257 to the intersection of the highway and Grant Road, allowing only one sight to be in error. Due to time pressure in completing the project, this sight was sdjusted without further proof. However on Thursday, January 10, 1974, I contacted Mr. Thatcher, Highway Department foreman in Bella Coola, who was willing to check this observation for us as soon as it was possible for him to do so.

The project was completed on January 18, 1974 and given to Mr. Fuller the same date.

No field books were used on this project; all field information and office computation are filed in this project folder. FIELD DATA FILED IN BOOK 2175 I-1

Instrumentmen: G. Roberts, B. Schubert, B. Board

Rod & Notes: I. Lauder, P. Lacroix, R. Edward

THORSEN CREEK XS1-25 & BACK CHANNEL XS1-3

NOOKLIKONNIK CREEK XS1-23

BELLA COOLA RIVER OVERBANK XS1-10 & DIVERSION TOPOGRAPHY

B. Schubert

Party Chief