SUMMARY PROJECT 80 RPP-5

Nusatsum River - Near Bella Coola

Field: October 14-26, 1980 Office: October 27 - November , 1980

Required: River survey and mapping control (vertical only) as necessary to obtain field data for assessment of flood potential along lower reach.
See J. Wester request - Engineering Section files Eng. 10-B,. P71-27C

The survey was carried out under generally favourable field conditions by an 8 man crew supervised by R. G. Fernyhough. Six Permanent Staff and 2 locally hired axemen.

Mapping Control:

21 vertical points identified and levelled
Horizontal ties to 8 lot corners
(Horiz. positions relative to project control only)
Bearings derived by solar observation.

River Survey & etc:

11 channel cross-sections were run on Nusatsum River cross-section 12, on Bella Coola River omitted due to ground conditions. X-section 11 is photo identified only. All other X-s tied by stadia and/or H.P. traverse.

A total of 5.7 (±) kms. of road, dyke and bushline profiles were completed.

65 Transverse cross-sections (@ approx. 50 m. intervals) of 3± k of above profile lines completed as requested.

11 temporary bench marks established for future reference within project area.

All vertical control is referred to Geodetic Survey of Canada Bench Mark 1213-J (1958 Datum). Bench Mark 1215-J was found to be disturbed but deemed to be acceptable for a closure check only. G.S.C. "Gauge 0" estalbished for gagge #08FB5

Data returns have been compiled in standard format, in triplicate
1 copy - Rivers Sub-Section, Eng. Division
1 copy - Planning Sub-Section
1 copy - File, Surveys Sub-Section

Photographs of cross-sections, typical and anomalous channel views and general project area are compiled and included in Rivers Sub-Section data returns. Negatives are on file in Surveys Sub-Section.

A 1/5000 scale photo mosaic showing project parameters is Drawing No. . Film positive on file in Surveys Sub-Section.

New mapping of project area. Scale 1/6000 has been produced by Surveys & Mapping Branch. Sheet No.

T. M. Dignan
Technician

November 10, 1980