BULKLEY RIVER @ QUICK
85RPP12

Field: Sept. 23 to Sept. 29, 1985

Office: Nov. 1985 to Mar. 17. 1986.

Requested by: B. McMullen
Rivers Section
Water Management Branch
File: Eng. 10-B

The survey was conducted under favorable conditions by a 4 man crew under the supervision of T.M. Dignan.

SURVEY LOGISTICS:

Vertical control within the project area was established by direct levelling and is referred to monuments 247-H, 79HA257, 79HA258, 79HA268, 79HA271 and 79HA272.

21 cross sections were run using a Geodimeter 140. Sections are positioned by photo identification. Indicated bearings obtained by magnetic compass with declination applied.

Hydrometric gauge 08 EE 004 was related to G.S.C. datum.

A W/L profile was obtained and related to D/S survey (76FDC18:1979).

9 F.C.L. elevations of residences in vicinity of Quick were obtained.

6 spot heights were obtained for comparison with planimetric mapping sheets 93L.066.1.2 & 93L.066.2.1.

A G/L profile starting at the Quick bridge and running U/S approx. 650 metres to C/L railway was obtained. See Dwg. 86-8-1

A C/L profile over quick bridge extending to railway grade on L/B and approx. 300 metres up road on R/B was obtained. See Dwg. 86-8-1

DATA RETURNS

1 volume of complete data for Surveys Section file.

1 volume of data for Rivers Section containing:

- Gauge 08 EE 04 description
- Cross sections (R/B to L/B profiles and full size plots)
- Pertinent photos

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(Data - Rivers Section .. cont'd)

- Bridge sketch
- W/L profile and full size plots
- Bridge C/L profile and full size plot
- C/L profile and full size plot
- 1 copy uncontrolled mosaic (Drawing # A 5231, sheet 6 of 13)
- 1 copy Drawing # ..86-8-1.....

1 volume of data for Special Projects Section containing:

- Gauge 08 EE 04 description
- Cross sections (L/B to R/B profiles and half size plots)
- Bridge sketch
- W/L profile and half size plot
- Bridge C/L profile and ~~half size plot~~
- G/L profile and ~~half size plot~~
- GR Listing
- 1 copy uncontrolled mosaic (Drawing # A 5231, sheet 6 of 13)
- 1 copy Drawing # ..86-8-1...

Data computed and stored on Vax/.V.M.S.... By. J. Duncan.

T.M. Dignan, Party Chief
Surveys Section