MISSION CREEK

Project 80 OIP 1

During the time period September 5-18, 4 crew members completed 101 cross-sections and 3 profiles (2 C/L profiles and 1 side creek profile) on Mission Creek (near Kelowna) in 75.2 man-days including travel.

The job was broken into two sections:

a) Okanagan Lake to Ziprick Road (Rutland) Lower Section

b) Scenic Canyon to Gallagher Falls Upper Section.

The control (horizontal and vertical) is based on topographic integrated monuments 75H2489, 75H2787, 75H2814, 75H2817, 75H2463, 75H2448, 73H1765, 77H2884, for the lower section and GSC 79C374, HCC-3, and HCC-4 (origin Black Knight) for upper section.

The elevations are geodetic with each (stadia) traverse station being levelled. The cross-section topography was obtained by a Kern DK-2 and Zeiss TH-43. Positions of the cross-sections are Universal Transverse Mercator and referred to Zone 11.

Levels are recorded in level book 2268 L-1 & L-2
Field data recorded in I.B.M. folder 2268 I-1.

This folder contains the following survey information:

(a) reduced survey notes (original fieldwork in feet-output in metres)

(b) plot of each cross-section Horizontal 1:250
Vertical 1:25

(c) plot of profile of Mission Creek and Fisheries side creek
Horizontal 1:2500
Vertical 1:50

(d) plan plot of cross-sections and profile. Scale 1:2500

(e) plan plot and profile of irrigation ditch near Klo rd. Bridge
Scale of Plan Plot 1:1000
Scale of Profile Horz. 1:1000
Vert. 1:100

(f) Cross-sections of Hydraulic Creek and Klo Creek just upstream of the confluences of Mission Creek.

(g) Punch cards of cross-sections for HEC-2 Program.

(h) Photographs were taken at traverse stations showing details of Mission Creek, and put into photo albums.

(i) A set of plans were compiled showing location of X-sect, x-sect. themselves and thalweg profile for:

(a) Okanagan Lake to Ziprick road

Dwg. #A5215 - 1 - 1 Locations of X-section
- 2 X-sections
- 3 W/L & Thalweg

(b) Scenic Canyon to Gallagher Falls

Dwg. #5215 - 2 - 1 Location of X-sect.
- 2 X-sections
- 3 W/L & Thalweg