



## Kettle & Granby Rivers @ Grand Forks High Water Elevations

Survey Project No. 9713F045

Requested by:  
R. W. Nichols, P.Eng.,  
Head,  
Floodplain Mapping Program

Field: September 18 thru 21, 1997  
Office: October 1997

Crew Members- M. Pronk, B. Boyd, R. Edward, B. Board, & J. Duncan.  
Accommodations- Imperial Motor Inn, Grand Forks, B.C.

The field survey was carried out under favourable conditions by a five man crew under the supervision of M. Pronk.

### SURVEY DATA:

Seven high water marks were identified and levelled on the Granby River from the confluence upstream to Cross section 10 at Gauge 08NN002. Twenty nine high water marks were identified and levelled on the Kettle River from Cross section 14 ( at Gilpin) upstream to Cross section 66 at the Canada/USA border crossing. Photographs were obtained at all high water marks and are included with the data package. Data recorded in Field Book #2682-L1.

Provincial Groundwater Observation Well #217 was levelled, with elevations established at the wellhead and groundlevel. Office compilation of data carried out by B. Boyd.

### DATUM:

Vertical control based on Geodetic Datum (CVD28) . Elevations obtained by direct differential leveling from cross section control established under Project # 9023F055 - Kettle/Granby River Floodplain Survey - September 1990.

### DATA RETURNS:

#### *Groundwater Section:*

1 copy of outdata consisting of:  
-Photographs, elevations and map showing location of Well #217

#### *Floodplain Mapping Program :*

2 copies of outdata, each consisting of:

##### Granby River

-Description of Gauge #08NN002  
-Observation of Water Heights for flood event  
-Photograph and map of High Water Mark G1 thru G7

##### Kettle River

-Description of Gauge #08NN024  
- Observation of Water Heights for flood event  
-Photograph and map of High Water Mark K1 thru K29

#### *Technical Surveys Section:*

Complete input and output on file.

/bcb

M. Pronk, Head  
Water Survey Unit