

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

WATER RESOURCES BRANCH

R-40A
(5-59)

STATION No. **8NA 64**

DESCRIPTION OF STATION

On Columbia Creek
 at Canal Flats near Canal Flats River
 Located in Canal Flats near Canal Flats River
 Latitude 50°09'53" Longitude 115°50'47"
 Established December 23, 1966 by J. Gilbert
 Name of observer J. Gilbert P.O. Address Canal Flats
 pay \$ distance frequency of observation

Location of station with respect to towns, bridges, highways, railroads, tributaries, islands, falls, dams, etc.: 1.8 miles W.N.W. of the post office in Canal Flats. 1.1 miles N.N.W. of the Canal Flats railway Station

Description and location of the gauge. If chain gauge or wire weight, give length from end of weight to the first marker: No gauge. Water levels are taken by level instrument.

Description of the equipment from which measurements are made:
N/A

Location and description of initial point for soundings:
N/A

Channel above the station: straight or curved for about N/A feet, water swift, sluggish, etc.
 Channel below the station: straight or curved for about N/A feet, water swift, sluggish, etc.
 Right bank: high, rocky, or low, liable to overflow, clean or wooded, etc.:
N/A

Left bank: high, rocky, or low, liable to overflow, clean or wooded, etc.:
N/A

Bed of the stream: rocky, gravel, sandy, clean or vegetation, shifting:
N/A

Number of channels at low and high water, approximate depth of water, etc.:

N/A

Note any condition which may affect the measurement, etc.:

Levels should be taken when the Lake is calm.

Bench-marks: Describe fully, give elevation above zero of the gauge and above sea-level or other datum, if possible; make sketch bringing out the principal features:

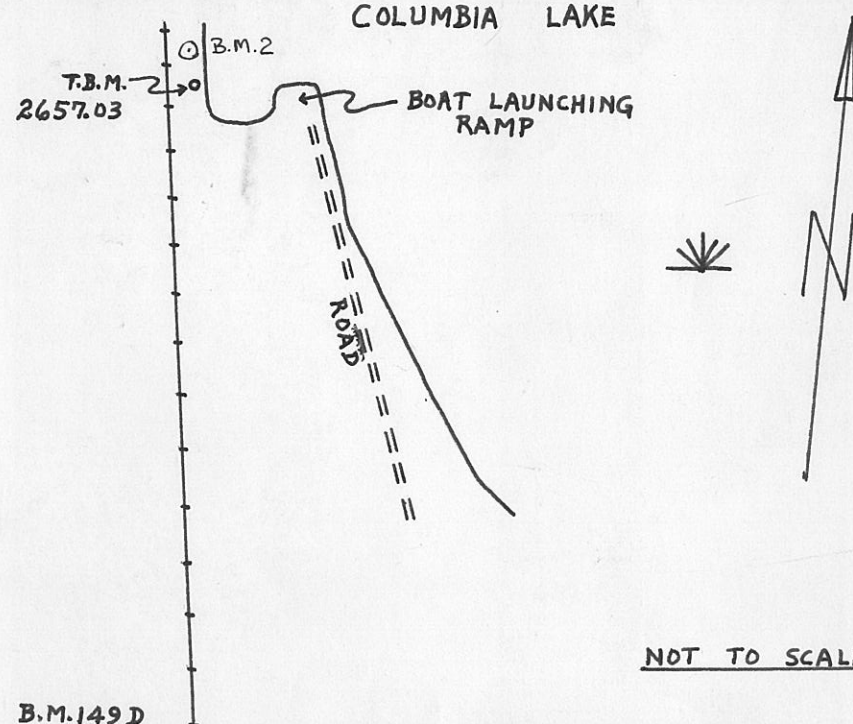
B.M. 149D Elev. 2662.592, located 1.1 miles North of CPR station; 230 ft. South of a rock cut; 20 feet West of centre of track; in East face of rock, 8 inches above ground; bolt set horizontally.

T.B.M., Elev. 2,657.03, located on the lake shore opposite to the boat-launching ramp, between the R.R. tracks and the ramp; a nail driven horizontally into a small poplar tree root
VERTICALLY

Take sufficient soundings to develop a cross-section of stream bed and, by use of level, develop banks to above high-water mark. Refer all elevations to gauge datum.

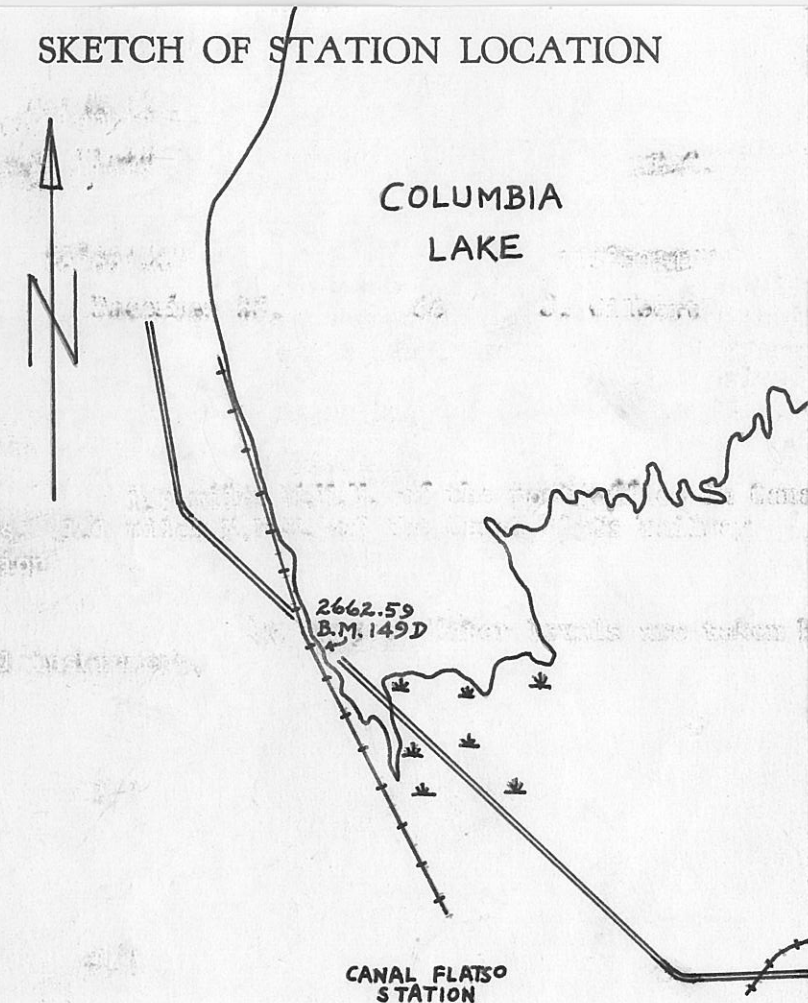
B.M. 2. ELEV. 2656.665 (70) LAG BOLT DRIVEN HORIZONTALLY IN BASE OF 7 INCH DIA. COTTONWOOD, BETWEEN RAILROAD & BOAT LAUNCHING RAMP AND 40 FT. N OF T.B.M.

SKETCH OF BENCH-MARK LOCATIONS



NOT TO SCALE

SKETCH OF STATION LOCATION



SCALE:- 1" = 1/2 MILE

SHEET M.S. 60

Make a sketch showing the relative location of the station, gauge, bench-marks, tributaries, towns, etc.

PREPARED OR REVISED BY	DATE
LH	20-10-69
LH	JUL/70