R 40A
(V-69)

DEPARTMENT OF ENERGY, MINES AND RESOURCES
INLAND WATERS BRANCH-WATER SURVEY OF CANADA

DESCRIPTION OF STATION

Station Number 082C002

Station Name SHUSWAP RIVER

NR. ENDERBY Prov. BC.

Latitude 50° 32' 45" Longitude 119° 00' 47"

Map Number 82 L/11 EAST HALF Scale 1:50,000

Established _____ 19____ By _____

Reestablished JULY 22 19 60. By K.J. WALKER

Relocated _____ 19 ____ By _____

_____(miles, yards) (upstream, downstream) from _____

former location _____

Location of station with respect to towns, bridges, highways, railroads, tributaries, islands, falls, dams, etc.

7.0 MILES FROM ENDERBY & 0.7 MILES FROM MABEL LAKE ROAD TURNOFF.

Description and location of the gauge. If chain gauge or wire weight, give length from end of weight to the first marker:

STAFF GAUGES 17'-20' 5'-8'
6'-15' 6'-17'
17'-20'

Description of the equipment from which measurements are made:

BRIDGE & HANDLINE OR BRIDGE CRANE

Location and description of initial point for soundings:

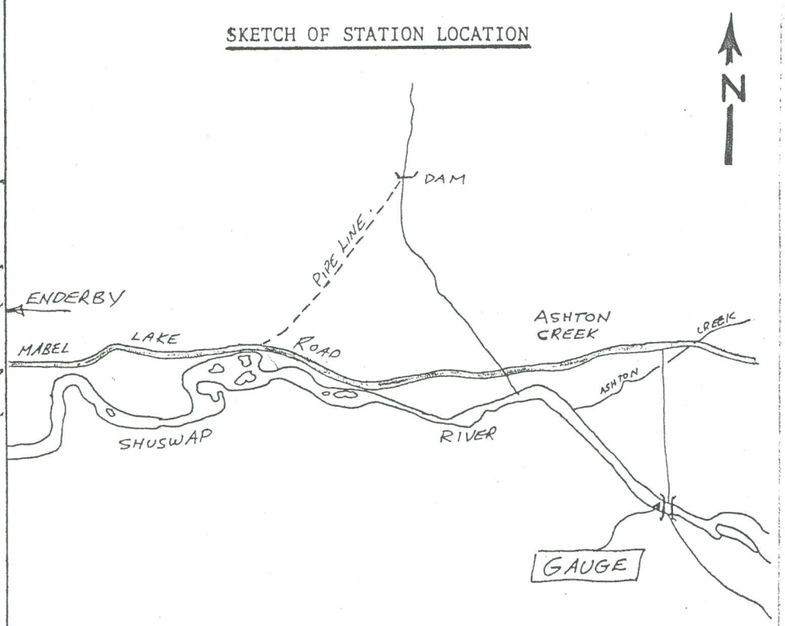
LEFT BANK ABUTMENT

Trace a map and show the relative location of the station, tributaries, towns, etc. Note map number used.

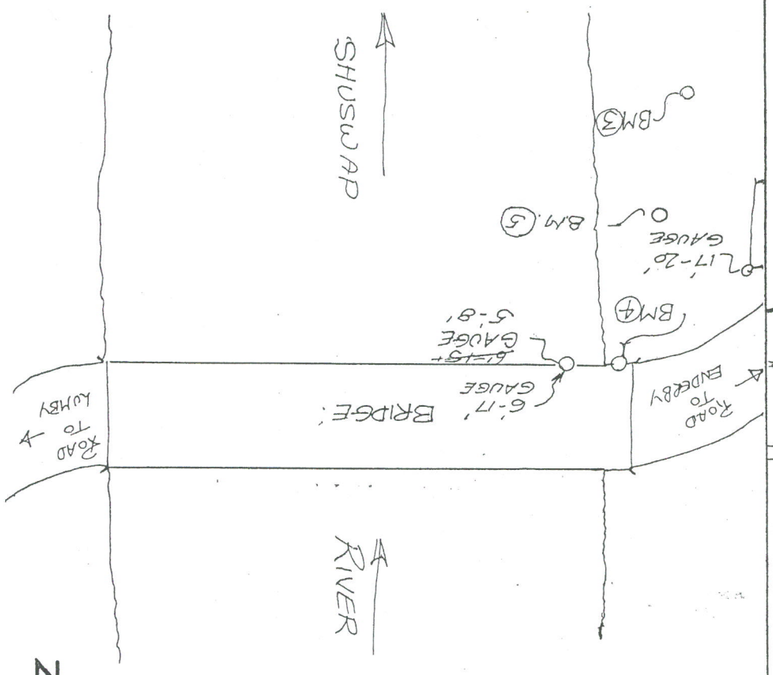
82 L/11 EAST HALF

Prepared or Revised by	Date
K.H. BARKER	JUNE 15/73
K.H. BARKER	AUG 8/73

SKETCH OF STATION LOCATION



showing location of bench-marks, cableway, recorder, crest-stage gauge, caches, etc.



Elevation of gauge zero: 1200' DATUM

BMS LEVELLED BY BC WATER RESOURCES UNDER PROJECT 7474 IN 1975

GEODETIC ELEVATION GAUGE ZERO = 351.227 METRES

BM⑤ PIPE BENCH MARK. LOCATED 60' D/S FROM BRIDGE ON RIGHT BANK. ELEV: 15.89 (AUG 8/73)

→ GSC. ELEV. 1168.16', or 356.055m 1975

BM④ HEAD OF UBBOLT ON DOWNSTREAM SIDE OF 1ST PILING ON BRIDGE ON RIGHT BANK. ELEV. 11.68 (5/17/73).

BRIDGE ON R.B. ELEV. 14.74 (9/14/70)

BM③ HEAD OF GALVANIZED LAGSCREW SET HORIZ. INTO BASE OF 3' COTTONWOOD, 120' D.S. FROM

BM② DESTROYED.

BM① DESTROYED.

Bench-marks: Describe fully, give year established, elevation above zero of the gauge and above sea level or other datum, if possible:

Zero flow at G.H.: _____

NONE

Crest-stage gauge description: _____

DURING HIGHWATER FIELDS ABOVE STATION BECOME FLOODED CAUSING A TEMPORARY STORAGE OF WATER, WHICH DRAINS OFF FIELD WHEN STAGE DROPS.

Note any conditions affecting the natural flow such as storage and/or diversions:

Coefficient for 2/10 method: _____

ONE.

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

SAND & GRAVEL.

ONE. AT ALL STAGES, LEFT BANK HIGH & WOODED, RB HIGH & WOODED, STREAM BED CLEAN SAND & GRAVEL.

Description of channel or other conditions affecting control and discharge and discharge measurement: _____

Field Survey 1975

GAUGE 8LC-002

Pipe post (BM 5)	Geodetic elevation	1168.16
	Local datum	15.84
	Geodetic zero elevation	1152.32 = (351.227 METRES)
Pipe post (BM 5)		1168.16
Difference direct to 6'-17' section		-15.81
	Gauge zero this section	1152.35
Pipe post (BM 5)		1168.16
Difference direct to 17'-20' section		-16.27
	Gauge zero this section	1151.89
BM 728		1177.86
Difference to 17'-20' section		-26.05
	Gauge zero this section	1151.81

Relayed to H. Coulson Dec 11/75 by ~~telephone~~

Gauge zero 6'-17' section 1152.32 = 351.227 METRES
17'-20' section 1151.89 = 351.096 METRES

17' mark of upper section related to lower section sholuld be 16.57'

D. A. Roberts