WATER RESOURCES BRANCH-WATER SURVEY OF CANADA

DESCRIPTION OF STATION

Station Number: 08HA059

Station Name : SOOKE RIVER ABOVE CHARTERS RIVER Prov. B.C.

Latitude: 48 ° 25 ' 28 " Longitude: 123 ° 42 ' 45 "

Map Number: 92 B/5 EAST Scale: 1:50,000

Established : 1989-02-22 By: E. MAYERT

Reestablished: 19____ By: _____

Relocated : 19____ By: _____

_____ (m/km) (upstream/downstream) from former site.

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

FROM JUNCTION OF HIGHWAY 14 AND SOOKE RIVER ROAD (ABOUT 1.5 km EAST OF SOOKE) PROCEED 4.6 km TO 3142 SOOKE RIVER ROAD

Description and location of the gauge:

GAUGE - 0-3m STAFF GAUGE ON L.B.
A-71 RECORDER AND MANOMETER LOCATED IN METAL SHELTER ON L.B.

Description of equipment from which measurements are made

WADING AT LOW STAGE - (50m below station)
BOAT - MEDIUM TO HIGH (AT STATION)

Location and description of initial point for soundings:

N.A.

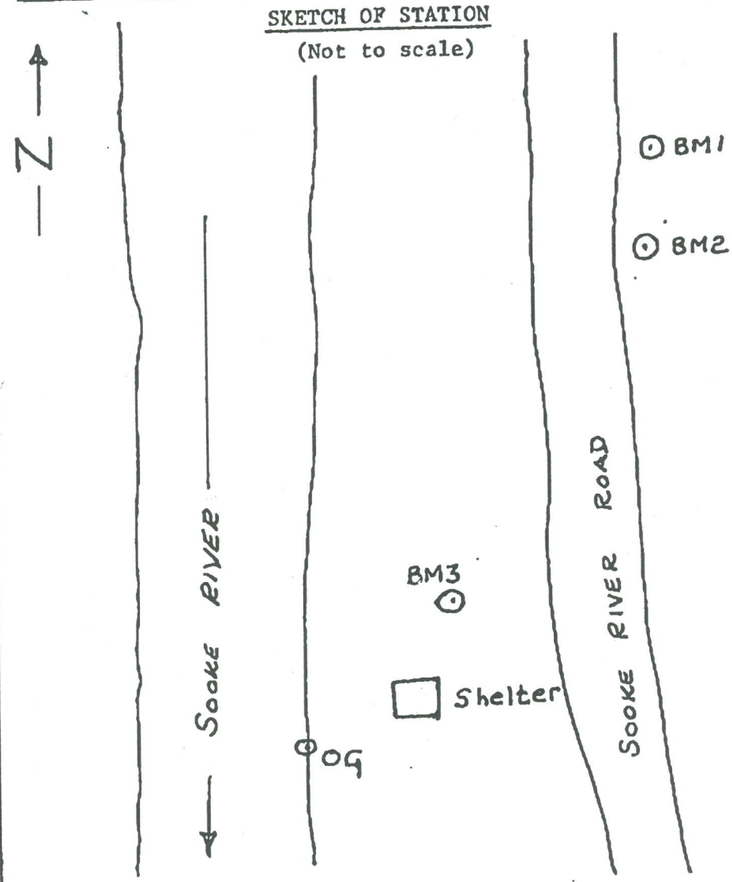
Elevation of gauge zero: 0.000 m ('89) assumed

Add: _____ m to convert to GSC datum. Ref'd to:

GSC.B.M. _____ Elev: _____ m (')

SKETCH OF STATION

(Not to scale)



Description of channel or other conditions affecting control and discharge measurements:

CHANNEL STRAIGHT ABOVE AND BELOW STATION WITH CONTROL CONSISTING OF BOULDERS HIGH BANKS (Not subject to overflow)

Number of channels at low and high water, approximate depth of water, etc. ONE CHANNEL AT ALL STAGES

LOW WATER - 0.3 m deep - 40m wide
HIGH WATER - 3.0 m deep - 50m wide

Coeff. for 2/10 method: _____ Zero flow at G.H. _____

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

STORAGE DAM AND WATER SUPPLY FOR SOOKE LAKE

Bench marks, Reference points, Crest-stage gauge:

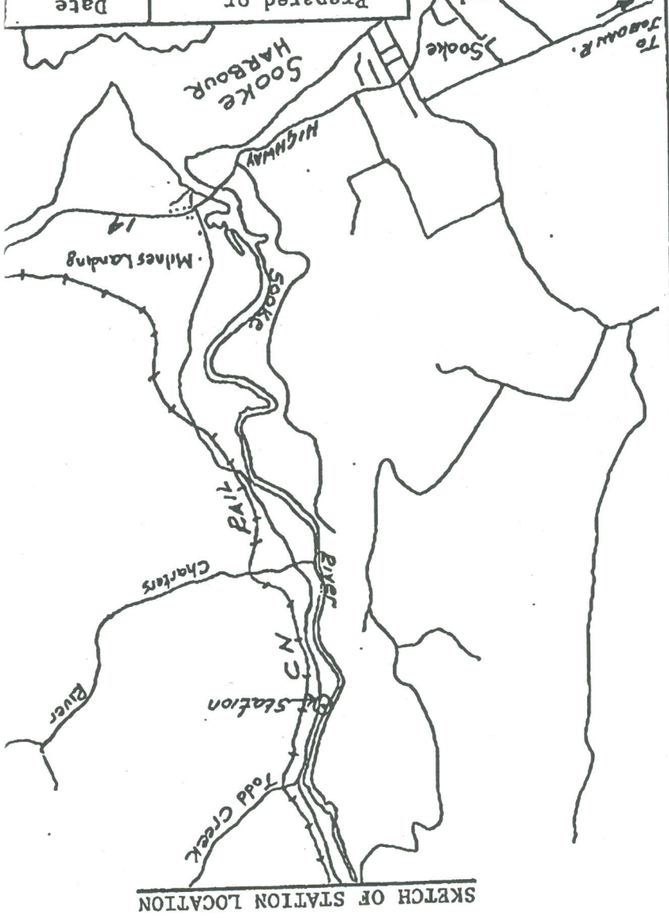
BM1 - ELEV. 10.326 m (89) - WSC BRASS PLUG IN BEDROCK 109m UPSTREAM AND 2m INSHORE OF RECORDER

"CONTROL"

BM2 - ELEV. 10.316 m ('89) - WSC BRASS PLUG IN BEDROCK 95m UPSTREAM AND 21m INSHORE OF RECORDER.

BM3 - ELEV 7.250 m ('89) - WSC PIPE BRASS CAP LOCATED 9m UPSTREAM AND 4 m INSHORE OF RECORDER

SKETCH OF STATION LOCATION



1-604-666-3469 WATER SURVEY N. VAN 479 P07 APR 08 '92 11:10

1-604-666-3469 WATER SURVEY N. VAN 479 P08 APR 08 '92 11:11

GAUGE # 08HA059

Sooke River above Charters Creek. Geodetic Gauge "0" as established by T. Dignan, April, 1992. UNDER PROJECT 9207F019 PROVINCE OF BC, WATER SURVEYS UNIT

Staff Gauge: "0" = 7.82m.

B.M. 1:

Assumed :	10.326	
Actual :	18.117	"0" = 7.791

B.M. 2:

Assumed :	10.316	
Actual :	18.105	"0" = 7.789

B.M. 3:

Assumed :	7.250	
Actual :	15.041	"0" = 7.791

Mean Gauge "0" = 7.790m. Geodetic.