R 40A
(7-83)

DEPARTMENT OF THE ENVIRONMENT
WATER RESOURCES BRANCH-WATER SURVEY OF CANADA

DESCRIPTION OF STATION

Station Number 08JE001

Station Name STUART RIVER

NEAR FORT ST JAMES Prov. B.C

Latitude 54° 25' 05" Longitude 124° 16' 30"

Map Number 93K Scale 1:250,000

Established 1930, SEPT. 24 By C.R. CORNISH

Reestablished 19____ By ____

Relocated 1969, FEB. 17 By G.R. LOPASCHUK

400 (m ~~or km~~) (upstream, ~~downstream~~) from former location ON PREVIOUS HIWAY BRIDGE

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

ON HIWAY BRIDGE AT OUTLET OF STUART LAKE 4.5km. S. OF FORT ST. JAMES

Description and location of the gauge. If chain gauge or wireweight, give length from end of weight to the first marker: WIRE WEIGHT GAUGE ON D'STREAM SIDE HANDRAIL, A.71 RECORDER WITH SERVO-MANOMETE 20 m. D.STREAM OF BRIDGE ON L. BANK

Description of the equipment from which measurements are made: BRIDGE CRANE FROM D'STREAM SIDE OF BRIDGE #30 OR #50 WTS.

Location and description of initial point for soundings: L.BANK END OF BRIDGE RAILING. MARKED EVERY 5m.

Description of channel or other conditions affecting control and discharge and discharge measurement:
BEDROCK AND GRAVEL
DEEP CONTROL

Number of channels at low and high water, approximate depth of water etc.: ONE AT LOW STAGE
TWO AT HIGH STAGE

Coefficient for 2/10 method:

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

Crest-stage gauge description: NONE.

Zero flow at G.H.:

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

BM 5. ELEV. 5.328 (.69) m W.S.C. BRONZE PLUG SET IN CONCRETE ON DISTEMPT SIDE OF L. BANK PIER. GSC 683.185

BM 6. ELEV. 6.464 (.82) m LARGE SPIKE HELD, IN BASE OF POLE 6m. D/STREAM OF BRIDGE

BM 7. ELEV. 5.806 (.87) m DRIVE RM. 2 metres N.E. OF GA. SHELTER. LOCATED ABOVE GROUND

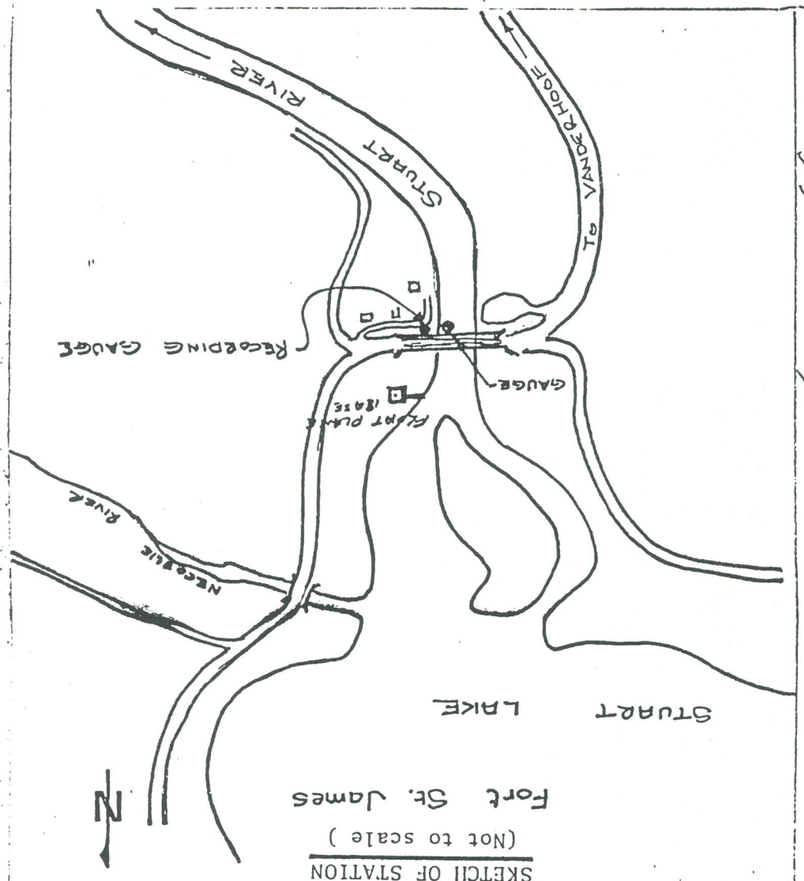
BM 5 683.185 METRES G.S.C.
H.A. WICKES 1979 (Original)

ZERO GAUGE 677.857 G.S.C.
H.A. WICKES 1979 (Original)

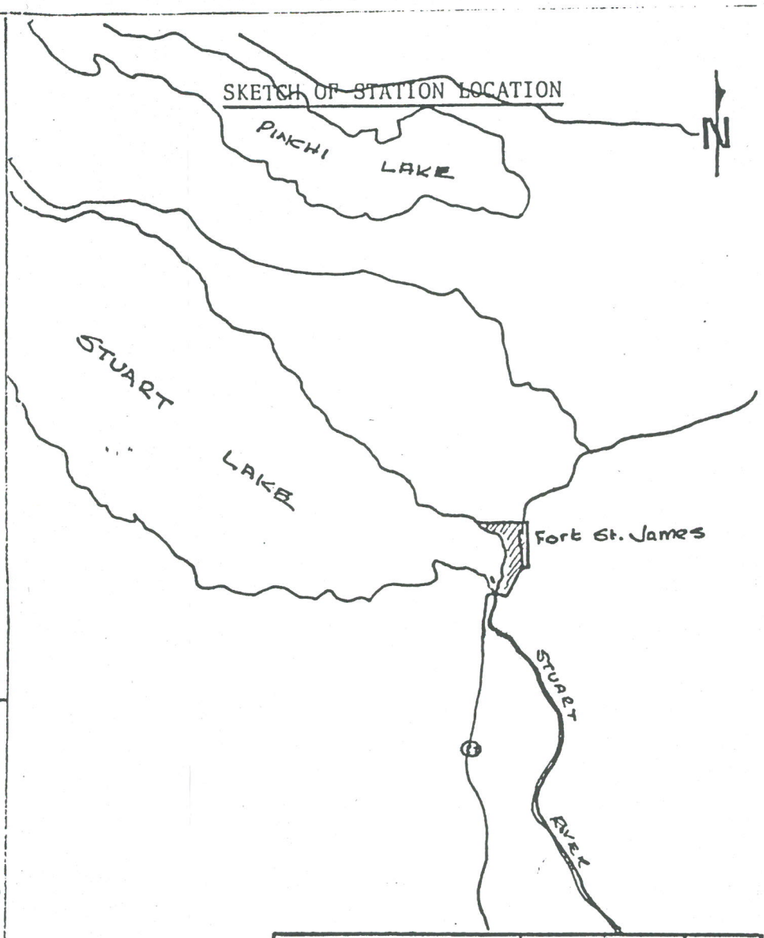
Elevation of gauge zero: 0.000 m (.69) assumed.

Add: ____ m to convert to GSC datum. Referenced to: GSC.B.M. ____ Elev: ____ m ( )

SKETCH OF STATION
(Not to scale)



SKETCH OF STATION LOCATION



Trace a map and show the relative location of the station, tributaries, towns, etc. Note map number used.
93K.
1:250,000

Prepared or Revised by:	Date Y - M - D	Ch'd By :
P.A. Langford	86-02-21	