R 40A
(V-69)

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

DESCRIPTION OF STATION

Station Number 08NK016

Station Name, ELK RIVER NEAR NATAL

Prov. B.C.

Latitude 49° 51' 58" Longitude 114° 52' 06"

Map Number 82G/NW. 82F/SW Scale 1 INCH TO 2 MILES

Established SEPT. 12 19 50 By T.F. SMITH & W.W. BROWNE

Reestablished _____ 19 _____ By _____

Relocated JAN. 1 19 74 By J.T. GILBERT

75 (miles, yards) (upstream, downstream) from former location _____

Location of station with respect to towns, bridges, highways, railroads, tributaries, islands, falls, dams, etc.
AT GRAVE LAKE BRIDGE (NOW DESTROYED) 1¼ MILES DOWNSTREAM FROM FORDING RIVER AND 11 MILES NORTH OF NATAL

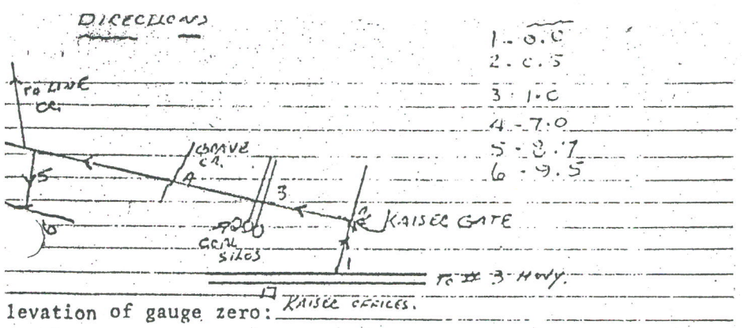
Description and location of the gauge. If chain gauge or wire weight, give length from end of weight to the first marker:
SERVO - MANOMETER
A71 RECORDER (WATER STAGE MANOMETER) 75 YARDS DOWNSTREAM FROM OLD DESTROYED BRIDGE "GRAVE LAKE BRIDGE"
O.G. - 1'-7' STAFF 45' UPSTREAM FROM RECORDER SHELTER

Description of the equipment from which measurements are made:
CABLEWAY MEDIUM TO HIGH STAGE
WADE - 100 FT BELOW RECORDER AT LOW STAGE

Location and description of initial point for soundings:
TOP OF R.B. A-FRAME, CABLE 247' MARKED AT 5 FOOT INTERVALS, TWO MARKS EVERY 50 AND THREE MARKS FOR 100. SIDEWALL TYPE INSTALLATION

DIRECTIONS

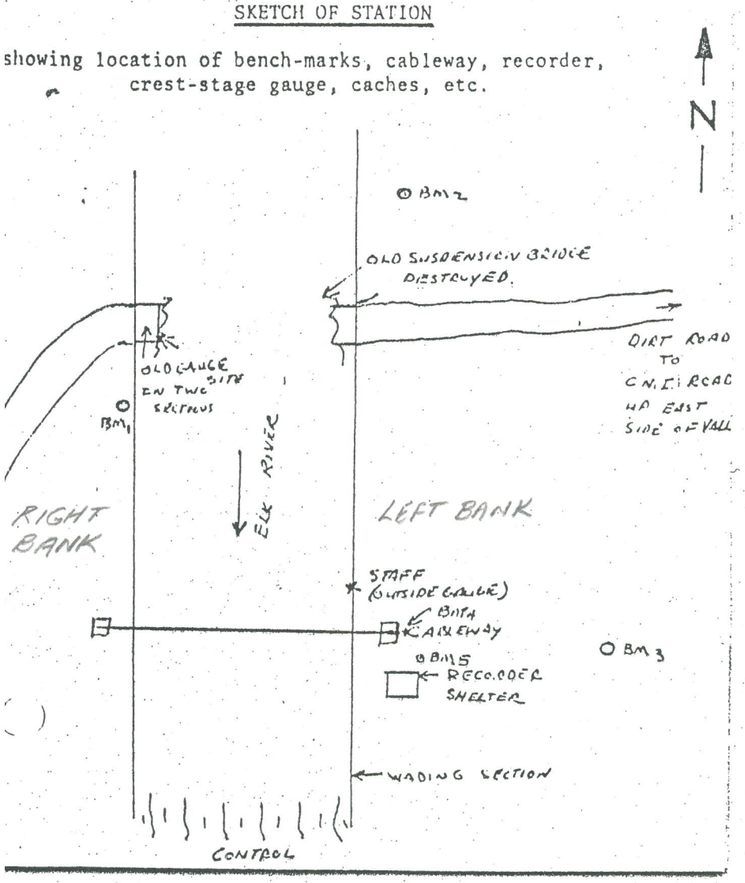
1 - 0.0
2 - 2.5
3 - 1.6
4 - 7.0
5 - 2.7
6 - 9.5



Elevation of gauge zero: _____

SKETCH OF STATION

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



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

Number of channels at low and high water, approximate depth of water, etc.:
AT EXTREME HIGH STAGE TWO OVERFLOW CHANNELS ON L.B.

Coefficient for 2/10 method: _____

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

NOTE:

This information is considered historical as it represents channel conditions and configuration at the time of the survey only. User must accept responsibility of ensuring that the accuracy and completeness of provided data is suitable for the needs of the project or study. It is provided "as is" without warranty of any kind, whether express or implied. Under no circumstances will the Government of British Columbia be liable to any person or business entity for any direct, indirect, special, incidental, consequential, or other damages based on any use of this information.

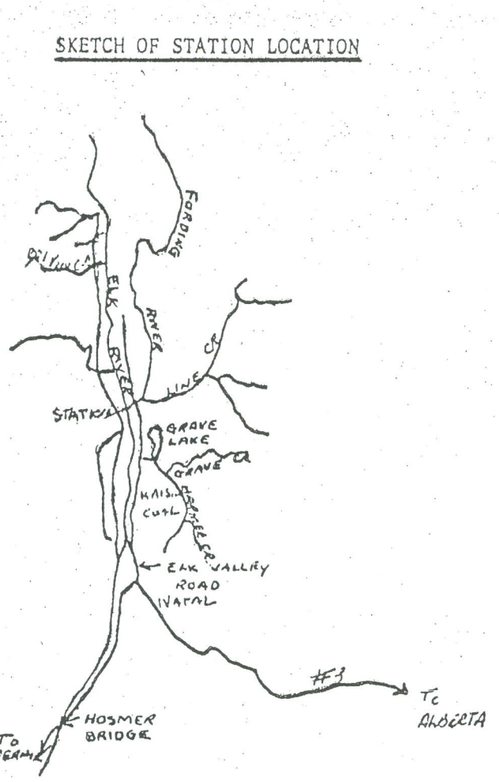
Crest-stage gauge description: _____

Zero flow at G.H.: _____

Bench-marks: Describe fully, give year established, elevation above zero of the gauge and above sea level or other datum, if possible:
B.M. 1 - TOP OF 12" BRIDGE SPIKE DRIVEN VERTICALLY IN BASE OF 2' SPRUCE TREE 75' DOWNSTREAM FROM OLD BRIDGE CRIB ON R.B. ELEV. 7.23
BM 2 - TOP OF HEAD OF 12" BRIDGE SPIKE DRIVEN HORIZONTALLY IN 10" SPRUCE TREE 60' UPSTREAM FROM OLD BRIDGE CRIB ON L.B. ELEV. 9.18
B. · PIPE AND CAP, 72' INSHORE AND 17' UPSTREAM FROM N.E. CORNER OF RECORDER SHELTER ELE 8.1. (73)
BM 4 - W.S.C. TABLET IN S.E. CORNER OF L.B. ANCHOR ELEV. 7.16 (73)
BM 5 - PIPE & CAP, 5' UPSTREAM AND 3' INSHORE FR N.E. CORN OF RECORDER SHELTER ELEV 7.16 (73)

GAUGE ZERO = 1191.283 M GSC **
SEE ATTACHED SHEET
LEVELED BY BC WATER SURVEY UNDER PROJECT 75F3 IN AUGUST 1979

SKETCH OF STATION LOCATION



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

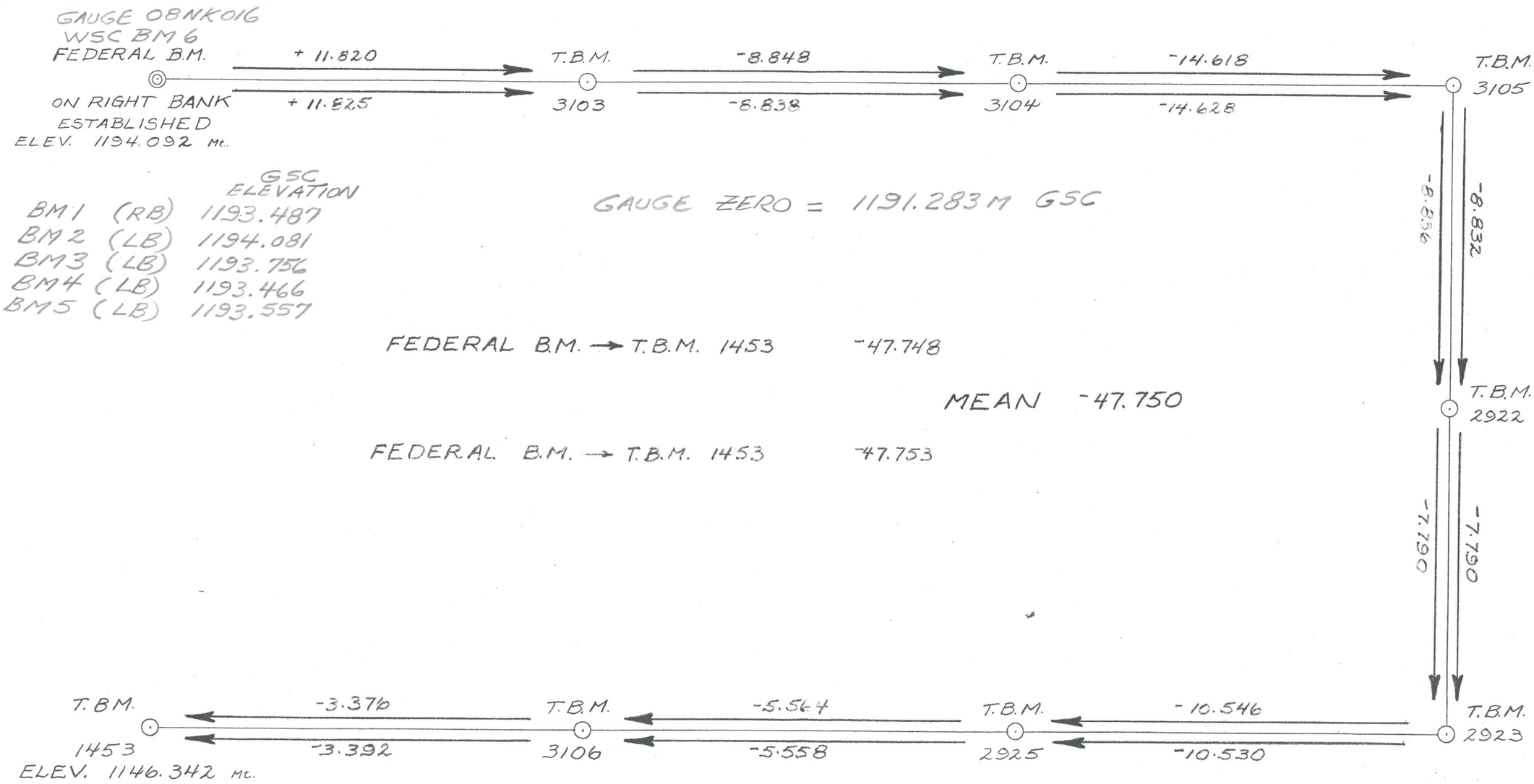
1E
1 INCH = 16 MILES

Prepared or Revised by	Date
J.T. GILBERT	AUG. 1/74

(2)

ELK RIVER - STATION No. 08NK016
FEDERAL GAUGE NORTH OF NATAL
LEVEL SKETCH OF ELEVATION TIE
GEODETIC DATUM - METRES

PROJECT 75F3
AUGUST 1979



	GSC ELEVATION
BM1 (RB)	1193.487
BM2 (LB)	1194.081
BM3 (LB)	1193.756
BM4 (LB)	1193.466
BM5 (LB)	1193.557

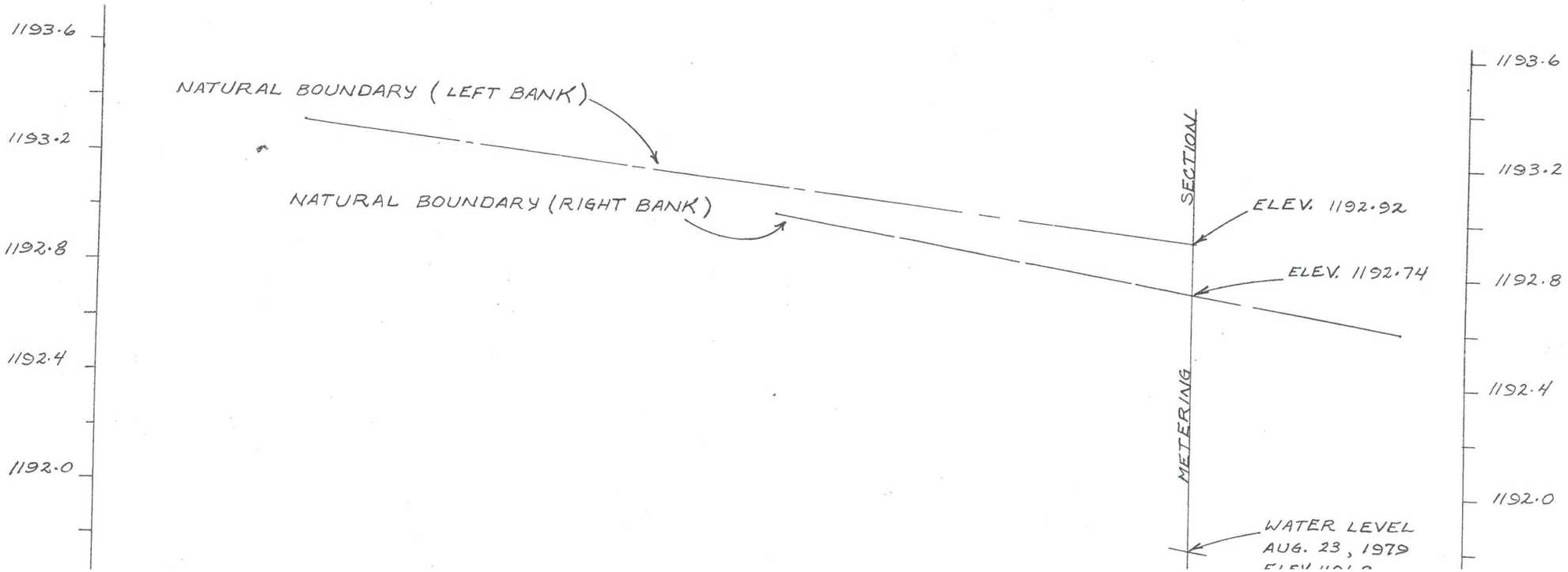
GAUGE ZERO = 1191.283 M GSC

FEDERAL B.M. → T.B.M. 1453 -47.748

MEAN -47.750

FEDERAL B.M. → T.B.M. 1453 -47.753

TBM 1453 ESTABLISHED
UNDER PROJECT 75F3
AUGUST 1975


1193.6
1193.2
1192.8
1192.4
1192.0
NATURAL BOUNDARY (LEFT BANK)
NATURAL BOUNDARY (RIGHT BANK)
SECTIONAL
METERING
ELEV. 1192.92
ELEV. 1192.74
WATER LEVEL
AUG. 23, 1979
1193.6
1193.2
1192.8
1192.4
1192.0