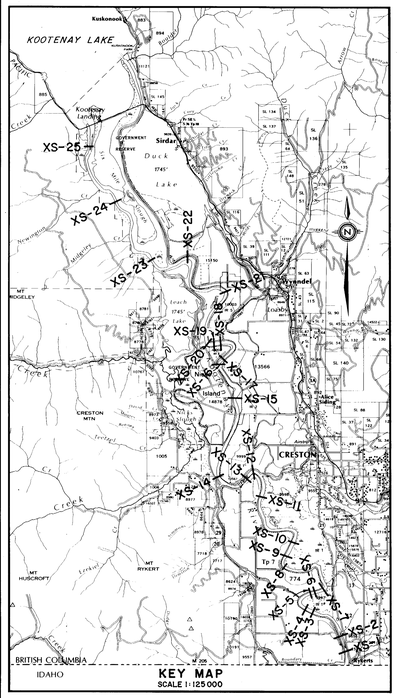
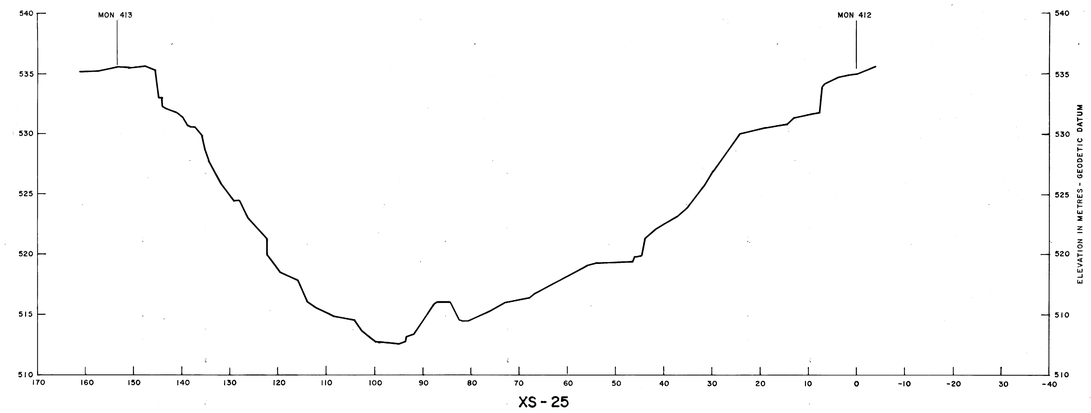
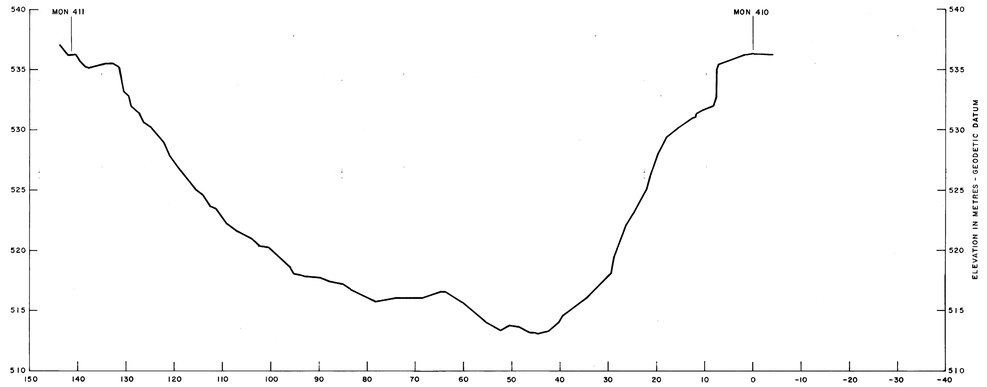


NOTE:

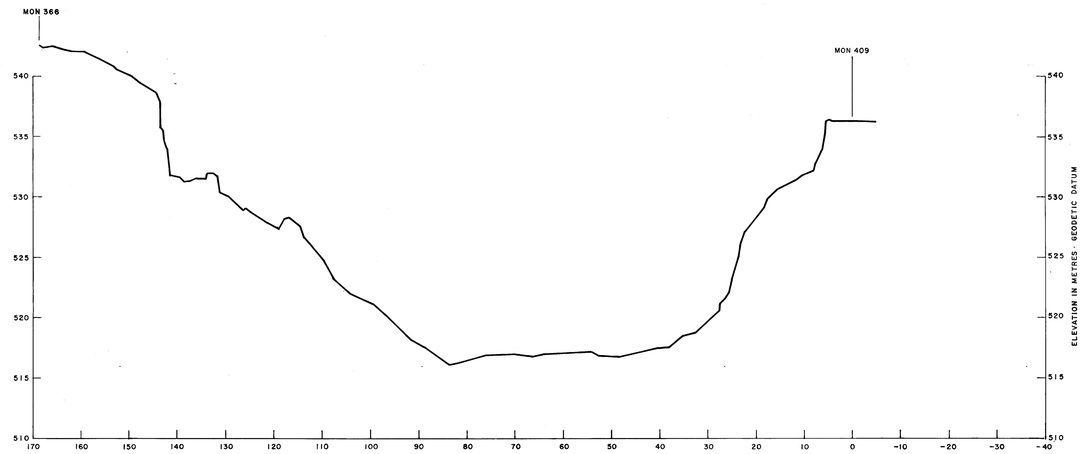
This information is considered historical as it represents channel conditions and configuration at the time of the survey only. User must accept responsibility of ensuring that the accuracy and completeness of provided data is suitable for the needs of the project or study. It is provided "as is" without 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.



XS - 25



XS - 24



XS - 23

SCALE: HORZ.1:500
VERT.1:200

NOTES

1) This plan has been prepared by the Ministry of Environment and Parks, Province of British Columbia. River surveys were carried out by the Surveys Section, Water Management Branch.

2) SURVEY DATA:
a) Horizontal control for the cross sections was established by resection and E.D.M. traverse.
b) Vertical control for the cross sections was established by direct levelling and water surface transfer.
c) Cross section details were established as follows:
Stadia, sextant resection and echo sounder (1968)
Stadia, graduated rope and echo sounder (1973 & 1978)
Level, graduated rope and echo sounder (1981)
Total Station and echo sounder (1986)

3) DATUM:
a) Horizontal control is based on Provincial Network stations.
b) Coordinates are Universal Transverse Mercator, Zone 11, Central Meridian 117°.
c) Elevations are in metres and are referred to the Canadian Geodetic Datum.

4) FIELD BOOKS:
Survey DATA are recorded in Field Books No. as follows:

1895 A to J	1968
1917 L-1 to L-7	1970
2044 F-1 & F-2, L-1 to L-3	1973
2224 F-1, L-1 to L-3	1978
2300 F-1, L-1 & L-2	1981
2384 F-1, Raw data stored on Disc 2384-D	1986

5) AIR PHOTOGRAPHS:

B.C. 5470: Frames 1 to 176 inclusive, exposed on June 30, 1972.
Photo Scale 1 : 12 000

6) MAPPING:
Standard B.C.G.S. map sheets of the area at a scale of 1:2500 were produced by the Surveys and Resource Mapping Branch under Project No. 72-002T.

REFERENCE MONUMENTS:

Monument	Northing	Easting	Elevation
W.R.S. 409	5 448 426.439	526 175.173	536.401
W.R.S. 366	5 448 335.032	526 031.438	542.558
W.R.S. 410	5 451 285.123	524 350.050	536.381
W.R.S. 411	5 451 237.535	524 216.776	536.434
W.R.S. 412	5 453 957.662	522 971.498	535.035
W.R.S. 413	5 453 974.182	522 822.510	535.555

W.R.S. 409 → W.R.S. 366	S57°10'53"W	168.654
W.R.S. 410 → W.R.S. 411	S70°21'00"W	141.515
W.R.S. 412 → W.R.S. 413	N76°13'38"W	155.399

Distance between Monuments as shown is "GRID" or PROJECTION" distance.

REFERENCES

DWG. No.	DESCRIPTION	DATE
A5181-1	Key Map 4 sheets	April, 1980
A5181-3.1	1968 Cross Sections 8 Sheets	April, 1985
A5181-3.2	1973 Cross Sections 8 Sheets	April, 1985
A5181-3.3	1978 Cross Sections 8 Sheets	April, 1985
A5181-3.4	1981 Cross Sections 8 Sheets	April, 1985

REVISIONS

No.	DESCRIPTION	DATE

SURVEYED M. PRONK
DATE OCT. 1986
COMPILED J. DUNCAN
CHECKED
DATE JAN. 1987
DRAWN
APPROVED
HEAD, DRAFTING SECTION
DATE JAN. 1987
ENGINEER

Province of British Columbia
Ministry of Environment
WATER MANAGEMENT BRANCH

KOOTENAY RIVER MONITORING SURVEY - 1986

INTERNATIONAL BOUNDARY TO KOOTENAY LAKE

CROSS SECTIONS 23-25

APPROVED
HEAD, SURVEYS SECTION
DATE JAN. 1987

FILE No.
Branch 0277562
SURVEY PROJECT No.
86-RPP-1
NTS Map No. 82F/2,7
Map Scale 1:50000
SCALE AS SHOWN
NEGATIVE No.
272502
DRAWING No.
A5181-3.5
SHEET 8 of 8

DD