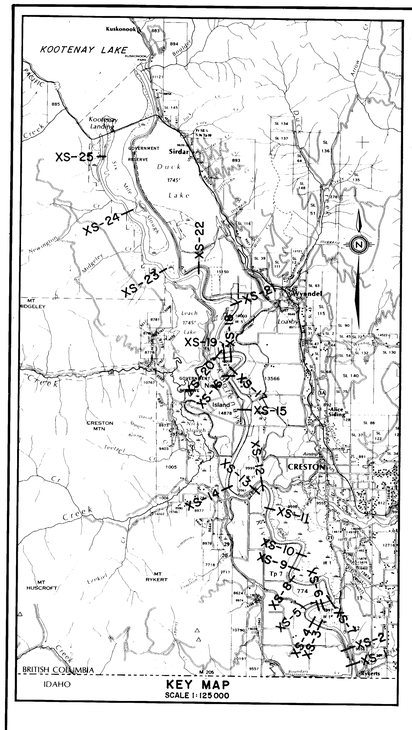
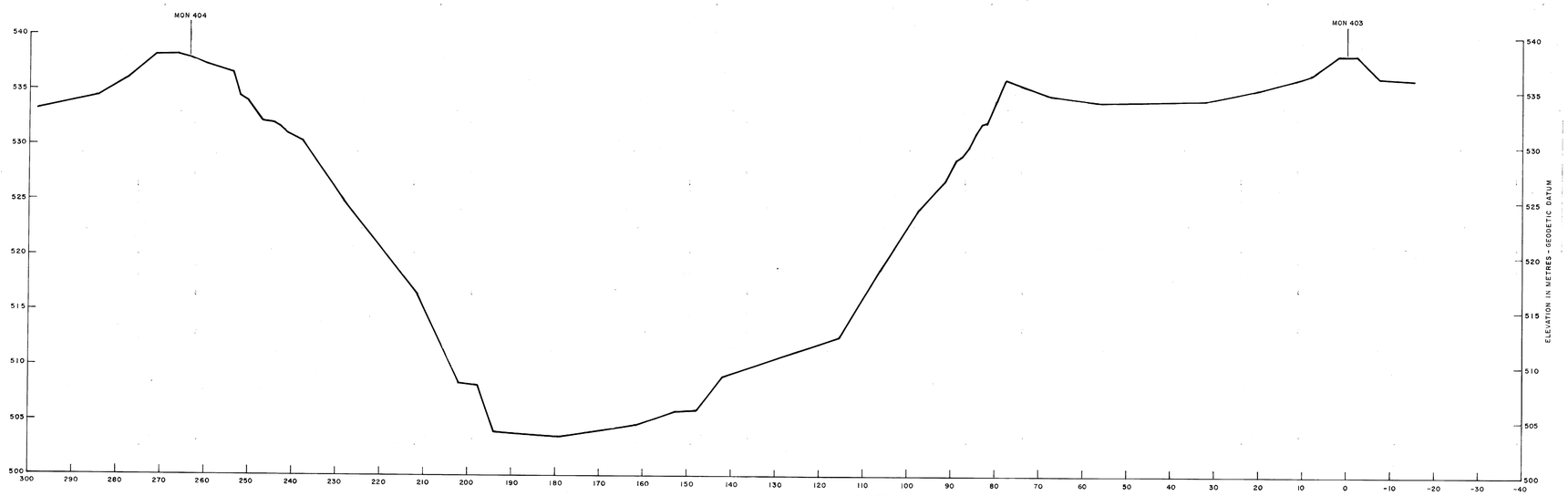


NOTE:

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.



SCALE: HORZ 1:500
VERT 1:200

NOTES

1. This plan has been prepared by the Ministry of Environment, Province of British Columbia. River surveys were carried out by the Surveys Subsection, Planning and 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).

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 Book Nos. as follows:

1895 A to 1895 J inclusive:	1968
1917 L-1 to 1917 L-7 inclusive:	1970
2044 F-1, 2044 F-2, 2044 L-1, 2044 L-2, 2044 L-3:	1973
2224 F-1, 2224 L-1, 2224 L-2, 2224 L-3:	1978
2300 F-1, 2300 L-1, 2300 L-2:	1981

5. AIR PHOTOGRAPHS:
   B.C. 5470: Frames 1 to 176 inclusive, exposed 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 Mapping Branch under Project No. 72-0021.

7. REFERENCE MONUMENTS:

Monument	Northing	Easting	Elevation
W.R.S. 399	5 444 119.756	529 742.791	538.266
W.R.S. 400	5 443 882.187	529 790.480	538.482
W.R.S. 401	5 444 034.609	529 365.469	538.574
W.R.S. 402	5 443 828.030	529 405.882	538.349
W.R.S. 403	5 444 045.981	529 180.334	538.266
W.R.S. 404	5 443 884.458	528 972.062	537.875

W.R.S. 399 →	W.R.S. 400	S11°23'49"E	242.348
W.R.S. 401 →	W.R.S. 402	S11°00'36"E	210.457
W.R.S. 403 →	W.R.S. 404	S52°12'14"W	263.595

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 R. FERNYHOUGH DATE NOV. 1968
COMPILED S. BRIDGEMAN
CHECKED DATE APRIL 1985
DRAWN
APPROVED HEAD, DRAFTING SECTION DATE APRIL 1985
ENGINEER

Province of British Columbia
Ministry of Environment
WATER MANAGEMENT BRANCH

KOOTENAY RIVER MONITORING SURVEY - 1968

INTERNATIONAL BOUNDARY TO KOOTENAY LAKE

CROSS SECTIONS 18 - 20

APPROVED HEAD, SURVEYS SUBSECTION DATE APRIL 1985

FILE No. Branch 0277562
SURVEY PROJECT No. 68-SI
NTS Map No. 82F/2,7 Map Scale 1:50000
SCALE AS SHOWN
NEGATIVE No. 272329
DRAWING No. A5181-3.1
SHEET 6 of 8

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