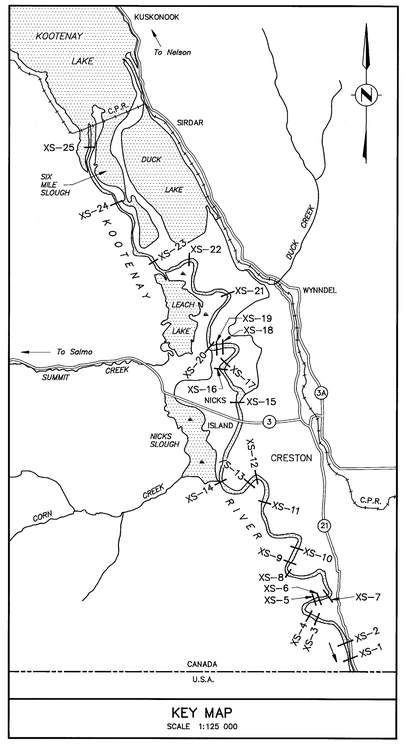
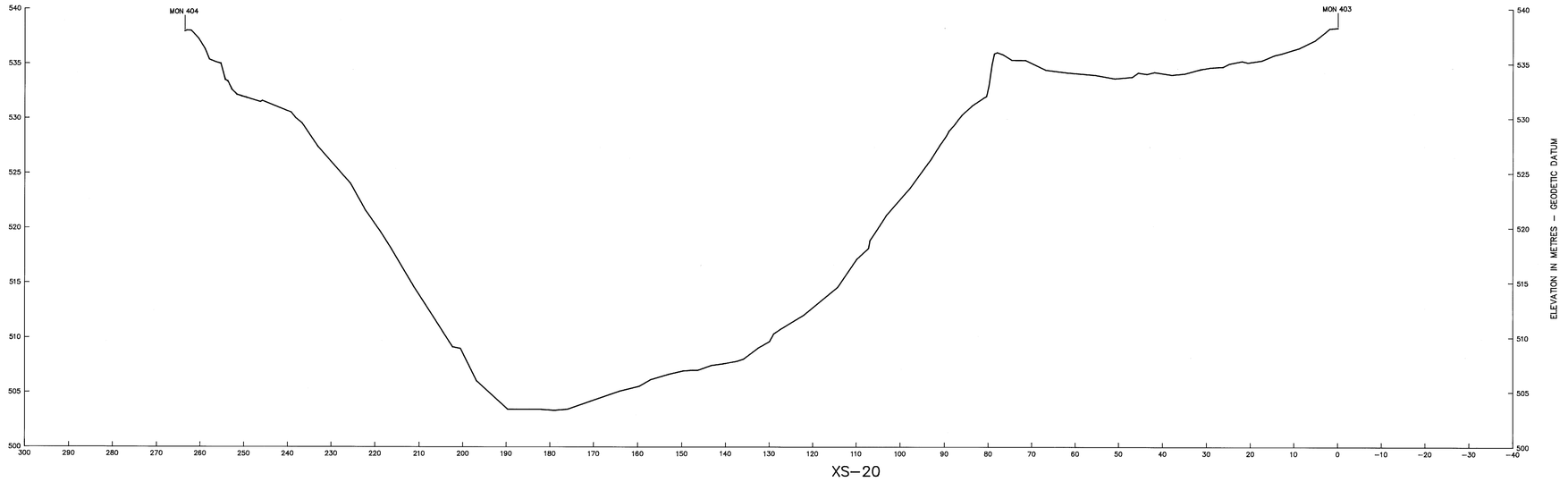
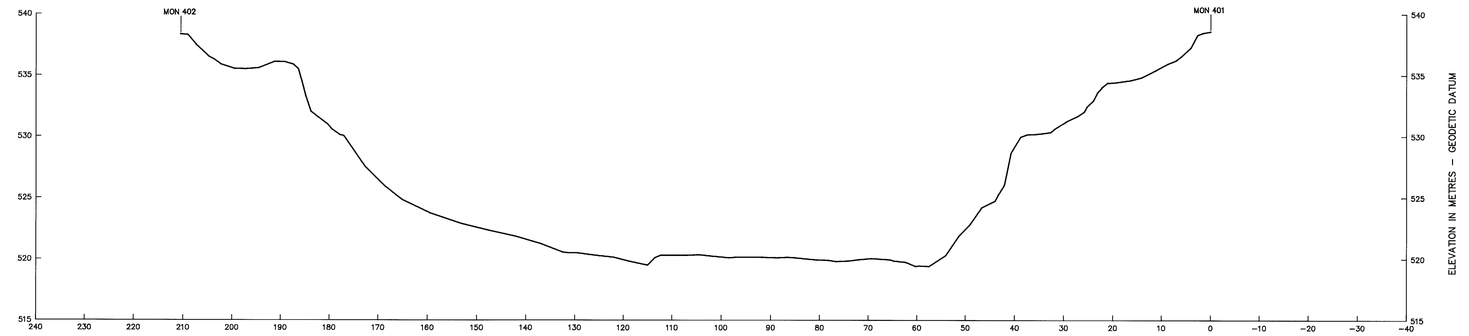


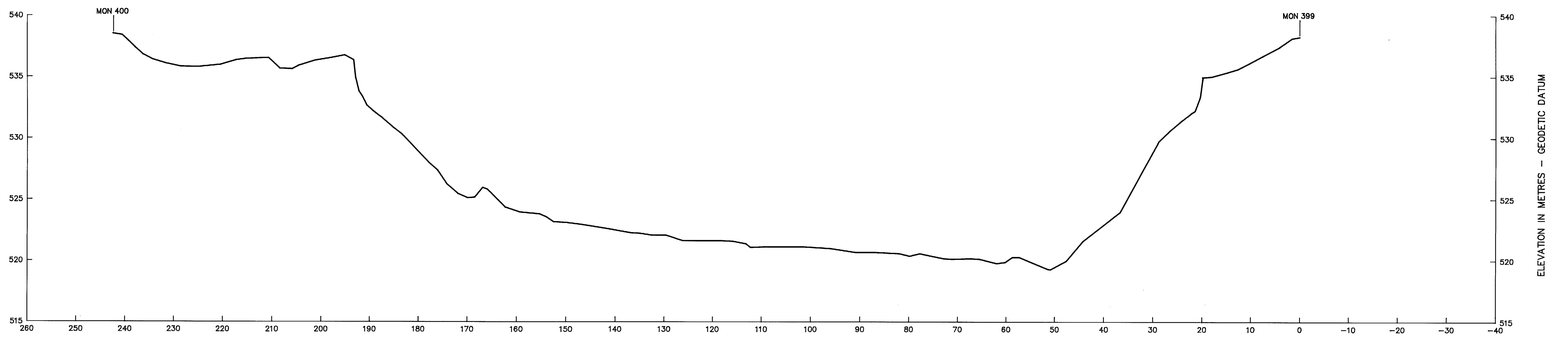
KEY MAP
SCALE 1:125 000

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
HORIZ. 1:500 VERT. 1:200

NOTES

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

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 (1951)
   Total Station and echo sounder (1986 & 1992)

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
2605 F-1, Raw data stored on Disc 2605-D	1992

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 : 2 500 were produced by the Surveys and Resource Mapping Branch under Project No. 72-0027.

REFERENCE MONUMENTS:

Monument	Northing	Easting	Elevation
W.R.S. 399	5444119.756	529724.591	538.266
W.R.S. 400	5443882.187	529790.480	538.482
W.R.S. 401	5444034.609	529365.669	538.574
W.R.S. 402	5443828.030	529405.882	538.349
W.R.S. 403	5444045.983	529180.354	538.266
W.R.S. 404	5443884.438	528972.062	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°00'58"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
A5181-3.5	1986 CROSS SECTIONS 8 SHEETS	JAN. 1987

REVISIONS

No.	DESCRIPTION	DATE

SURVEYED M. PRONK
DATE JUNE 1992
COMPILED T. STEWART
CHECKED M. Pronk
DATE
DRAWN B.V.W./N.F.A.
APPROVED
DATE OCT. 1993
ENGINEER

Province of British Columbia
Ministry of Environment, Lands and Parks
WATER MANAGEMENT DIVISION

KOOTENAY RIVER MONITORING SURVEY - 1992

INTERNATIONAL BOUNDARY TO KOOTENAY LAKE

CROSS SECTIONS 18-20

APPROVED
MANAGER, TECHNICAL SUPPORT SECTION
DATE Jan 6/94

FILE Nos.
Branch
SURVEY PROJECT No. 92 17 R 011
NTS Map No. 82F/2,7
Map Scale 1 : 50 000
SCALE AS SHOWN
NEGATIVE NO.
DRAWING No. 93-22-6
TOTAL No. OF DWGS. 8

DDs