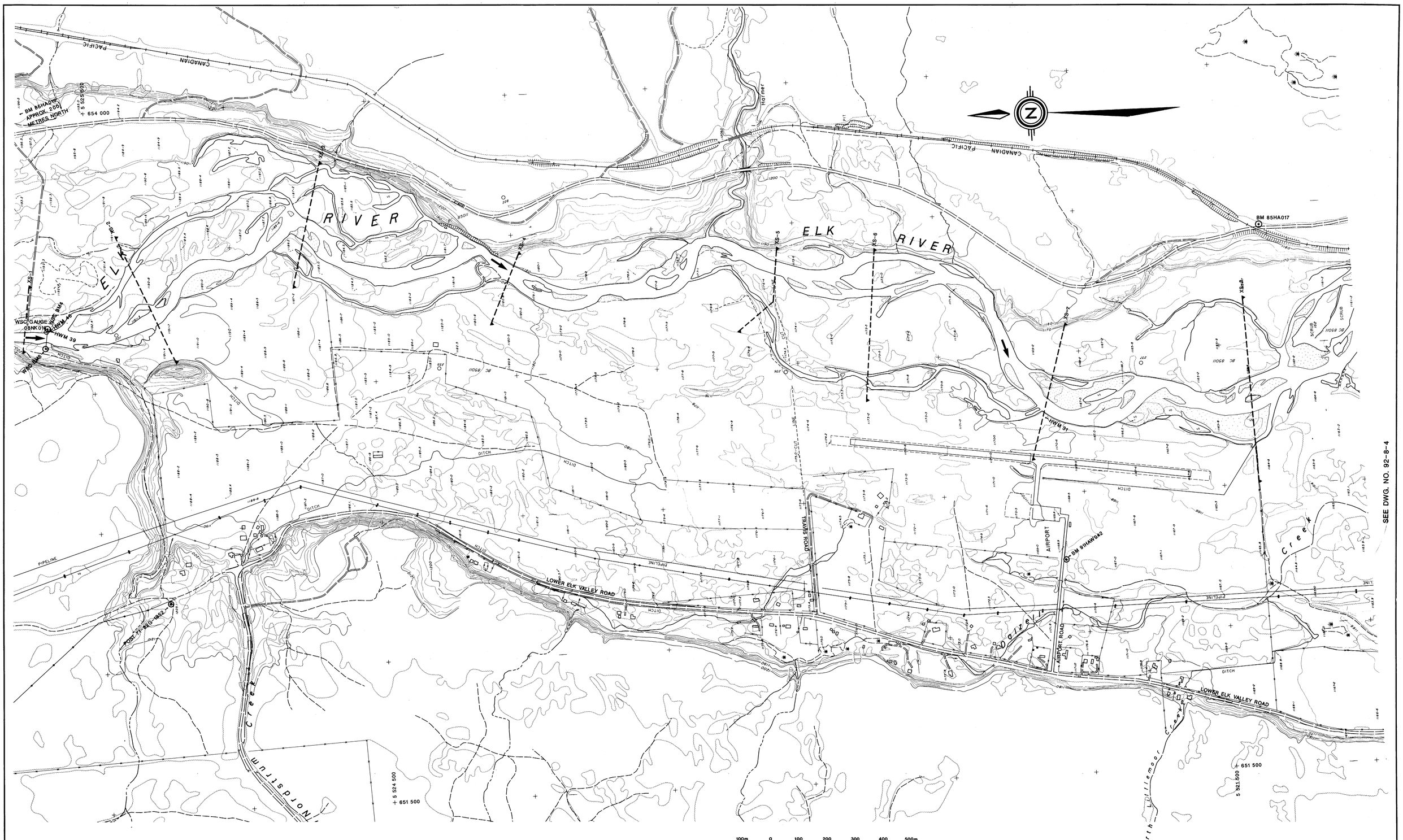


NOTES

1) This plan has been prepared by the Ministry of Environment, Lands and Parks, Province of British Columbia.

2) SURVEY DATA:
a) Field surveys were carried out by the Technical Support Section, Water Management Division.
b) Horizontal control was established by EDM traverse using a total station theodolite.
c) Vertical control was established by differential levelling and by reciprocal height traversing using a total station theodolite.
d) Cross sections and road profiles were obtained using a total station theodolite and a semi total station on a minute reading theodolite.
e) Elk River cross sections 1 to 19 and 21 to 25 were located by map identification in the field.

3) DATUM:
a) Horizontal control for cross sections is based on posts 77H6717, 77H6718 and 77H6720 established by the Surveys and Resource Mapping Branch, as listed in the Data Bank in May 1991.
b) Coordinates are Universal Transverse Mercator, Zone 11, Central Meridian 117 degrees, NAD 27.
c) Vertical control is based on bench marks 79C149, 79C151, 79C152, 79C155 and 1150 established by Geodetic Survey of Canada; bench marks 85HA016, 85HA017, 85HN015, 85HN016 and post 77H6717 established by the Surveys and Resource Mapping Branch, as listed in Data Bank in May 1991 and bench mark WSC 699 established by the Water Management Division in 1975 under Project 75F-3 from Geodetic Survey of Canada bench mark 1150.
Note: Elevations of Dominion Topographic Survey post 70-82G-1952 and post 71-82G-1952 are the results of Water Management Division Level Network Adjustment in September 1991.
d) Elevations are in metres and are referred to Canadian Geodetic Datum.

4) MAPPING:
Compilation of British Columbia Geographic System Mapsheets produced by the Surveys and Resource Mapping Branch under Mapping Project 85-0377, scale 1:5000.
Topographic Mapsheet Nos. 82G.076.1.4, 82G.076.2.1, 82G.076.2.2, 82G.076.2.3, 82G.076.2.4, 82G.076.4.1, 82G.076.4.3, 82G.086.2.1, 82G.086.2.3, 82G.086.4.3.

5) AIR PHOTOGRAPHS:
ROTT No. : BCB5011
Frames : 227-254
Date of Photography: June 16, 1985
Photo Scale : 1:16,000 approximately

6) FIELD BOOKS:
Survey data are recorded on Disc labelled 2589D and Field Book No. 2589F.

7) H.W.M. = Locations of high water marks established by the Special Projects Section on June 21 and 22, 1991.

8) REFERENCE POINTS:

Dominion Topographic Survey		Water Management Division	
Post	Elevation	Bench Mark	Elevation
Post 71-82G-1952	1206.642	BM 91HAW042	1169.456
Water Survey of Canada		B.C. Control Survey	
Bench Mark	Elevation	Bench Mark	Elevation
BM 4 08NK016	1193.454	BM 85HA016	1198.161
BM 6 08NK016	1194.087	BM 85HA017	1189.130

LEGEND

- TRIANGULATION STATION
- REFERENCE MONUMENT (P.CON.or P.ROCK)
- 50 000 HORIZ. CONTROL POINT
- 60 000 VERT. CONTROL POINT
- T.B.M. TEMPORARY BENCH MARK
- TEMPORARY REFERENCE POINT
- ROAD, TRAIL, CREEK, CREEK INTERMITTENT, SWAMP
- BASIN, SUB BASIN
- AIR PHOTO CENTER

STORAGE LICENCES			
LICENCE	PRIORITY DATE	AUTHORIZED ACRE-FEET	DEVELOPED ACRE-FEET

REFERENCES		
DWG. No.	DESCRIPTION	DATE

REVISIONS		
No.	DESCRIPTION	DATE

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.

SURVEYED M. PRONK
DATE SEPT. 1991
COMPILED H. BRAZIER
CHECKED
DATE
DRAWN
APPROVED
DATE
ENGINEER

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

ELK RIVER, MICHEL CREEK AND CUMMINGS CREEK AT SPARWOOD

TOPOGRAPHIC PLAN SHOWING CROSS SECTION LOCATIONS

APPROVED _____ DATE May 5 '92
HEAD, TECHNICAL SUPPORT SECTION

FILE Nos.
Branch
SURVEY PROJECT No. 91 30 F040
NTS Map No. 82G/10,15 Map Scale 1:50,000
SCALE 1:5000
NEGATIVE NO. 272 687
DRAWING No. 92-8-5
TOTAL No. OF DWGS. 5

DD