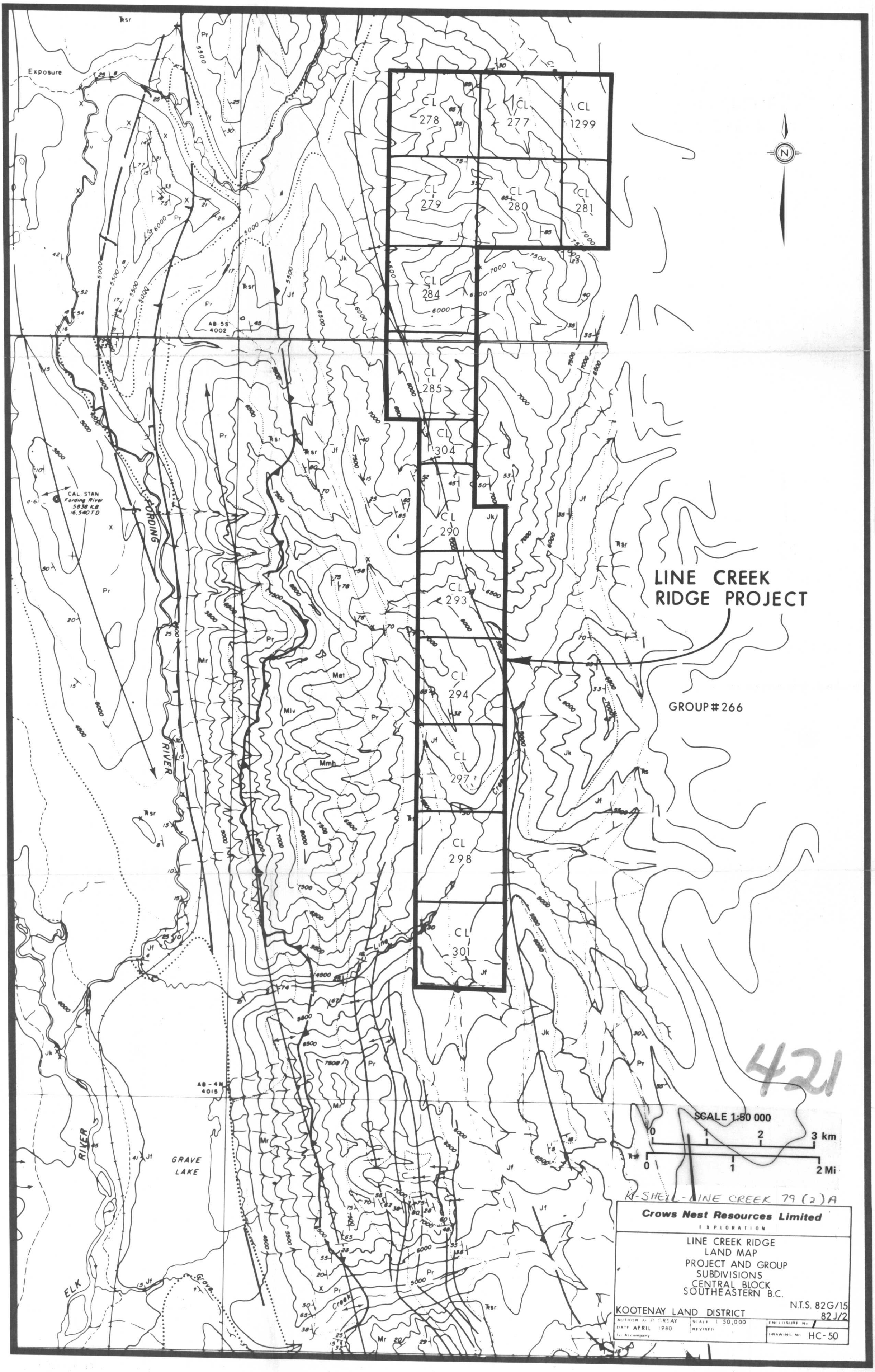
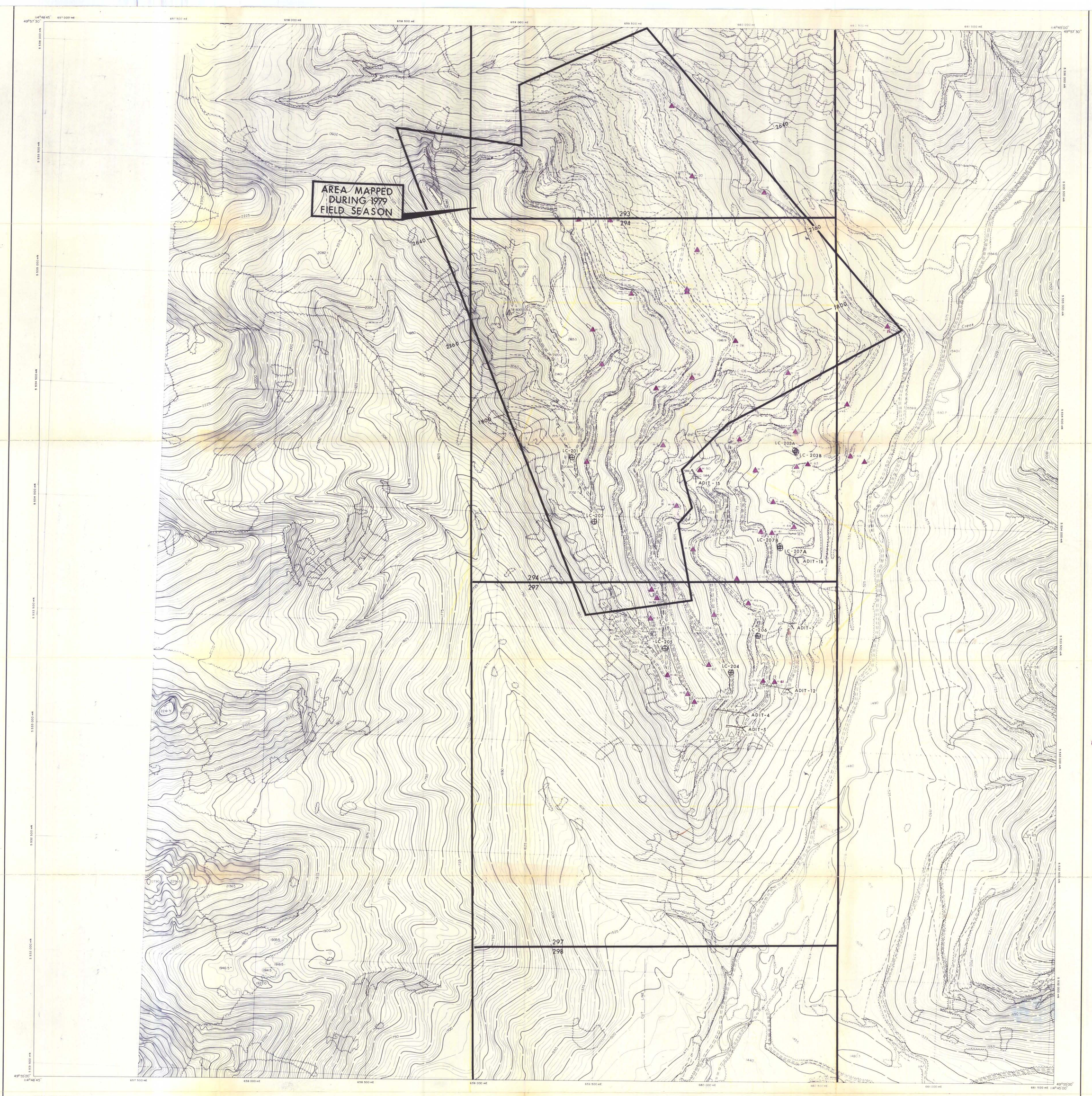
K-SHELL LINE CREEK 79(2)A

MAPS

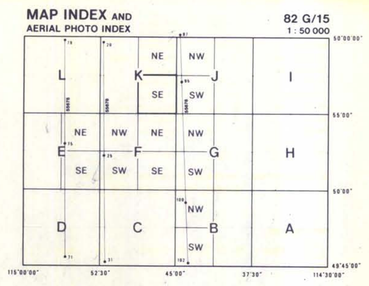
421


LINE CREEK RIDGE PROJECT
GROUP # 266
CL 278
CL 277
CL 1299
CL 279
CL 280
CL 281
CL 284
CL 285
CL 304
CL 290
CL 293
CL 294
CL 297
CL 298
CL 301
CAL. STAN Fording River 5838 KB 16,540 TD
FORDING RIVER
ELK RIVER
GRAVE LAKE
Exposure
AB-5S 4002
AB-4N 4015
SCALE 1:50 000
0 1 2 3 km
0 1 2 Mi
421
K-SHELL-LINE CREEK 79 (2) A
Crows Nest Resources Limited
EXPLORATION
LINE CREEK RIDGE
LAND MAP
PROJECT AND GROUP
SUBDIVISIONS
CENTRAL BLOCK
SOUTHEASTERN B.C.
KOOTENAY LAND DISTRICT
N.T.S. 82G/15
82J/2
AUTHOR A. D. GRSAY
DATE APRIL 1980
To Accompany
SCALE 1:50,000
REVISED
ENCLOSURE No.
DRAWING No. HC-50



MAP INDEX AND AERIAL PHOTO INDEX

82 G/15
1 : 50 000



REFERENCE

MAIN ROAD		RIVER, LAKE	
SECONDARY ROAD		INTERMITTENT RIVER	
TRACK OR TRAIL		TREED AREA	
RAILWAY		LINE OF TREES	
HEDGE FENCE		INDIVIDUAL TREES	
BRIDGE CULVERT		VERTICAL INTERVAL	1952 1955 1906
CUT FILL		DEPRESSION	
SWAMP		SPOT HEIGHT	MELS + 1507.5
DRILL HOLE		CONTROL POINT	

Drill hole - 1971

MAP PROJECTION : UNIVERSAL TRANSVERSE MERCATOR
CENTRAL MERIDIAN REFERENCE 117° W.

PREPARED BY :
NORTH WEST SURVEY CORPORATION (YUKON) LTD.
JOB NO : 78-109

K-SHELL LINE CREEK 79(2)A

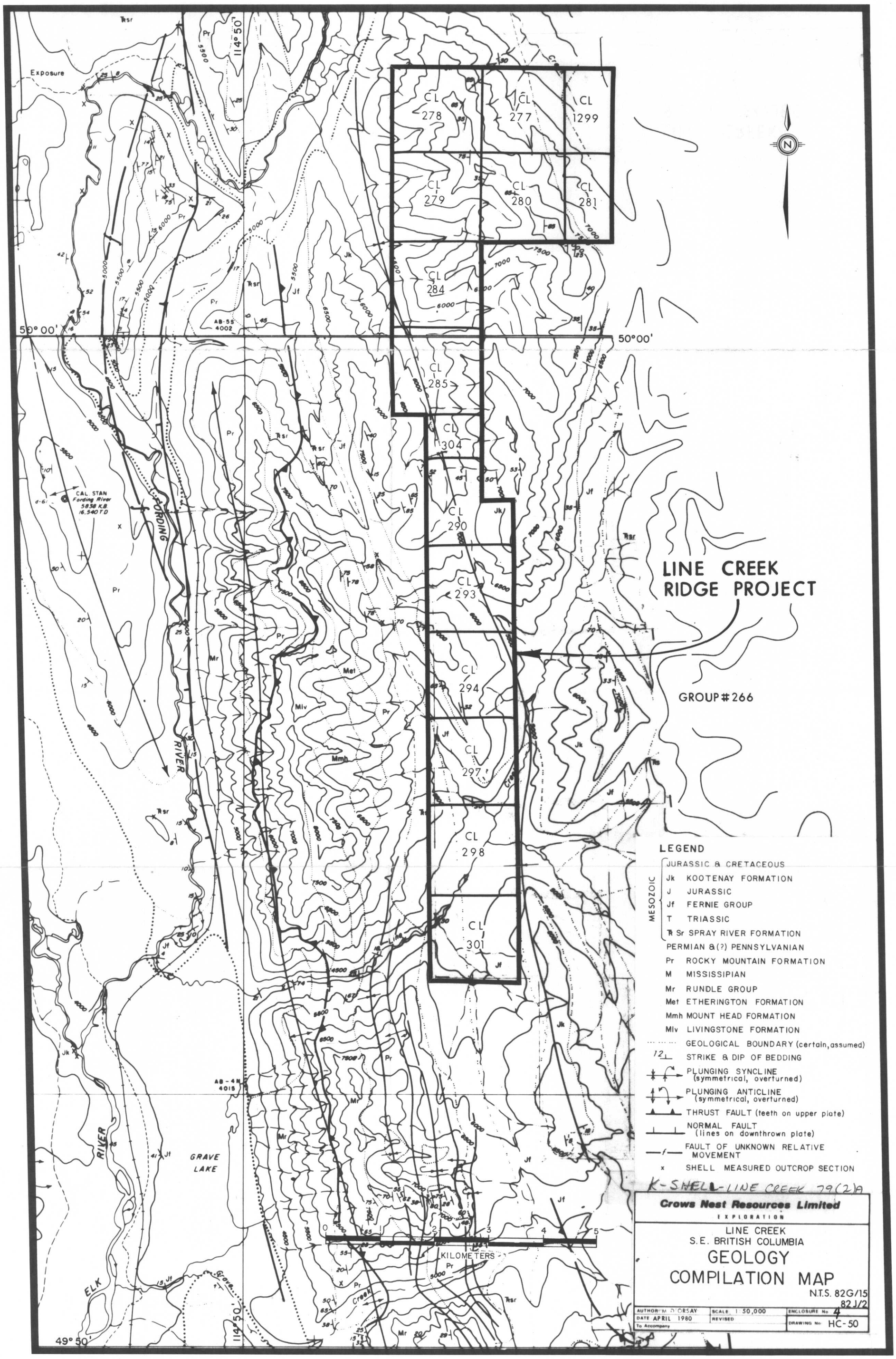
Crows Nest Resources Limited
EXPLORATION

LINE CREEK RIDGE
B.C.

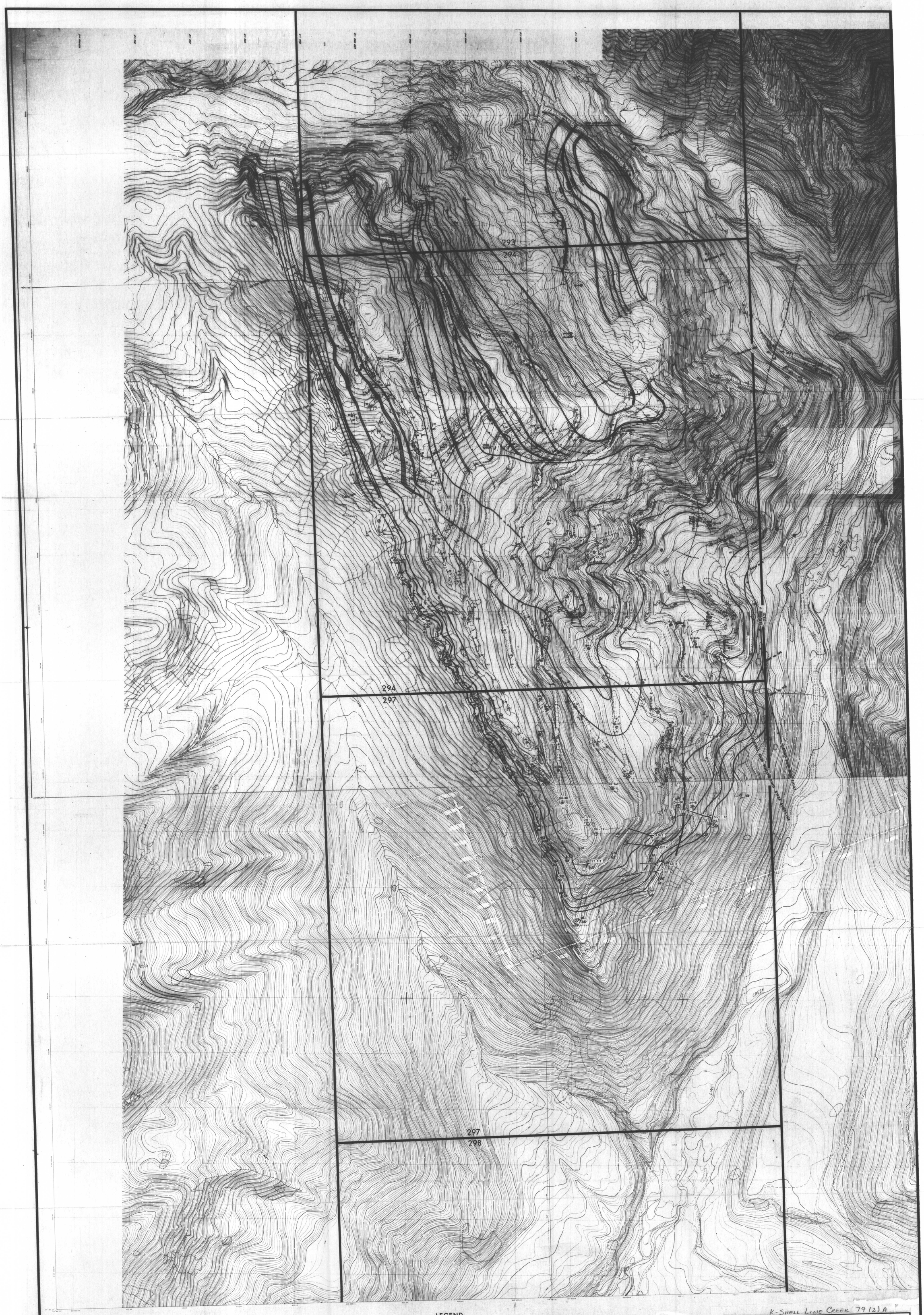
DRILL HOLE AND ADIT PLAN

421

AUTHOR: M. D'ORSAY	SCALE: 1:5000	ENCLOSURE No : 3
DATE: 80 04 03	REVISED:	DRAWING No: HB - 50
To Accompany		


LINE CREEK RIDGE PROJECT
GROUP # 266
CL 278
CL 277
CL 1299
CL 279
CL 280
CL 281
CL 284
CL 285
CL 304
CL 290
CL 293
CL 294
CL 297
CL 298
CL 301
114° 50'
50° 00'
49° 50'
FORDING RIVER
ELK RIVER
GRAVE LAKE
Exposure
CAL STAN Fording River 5838 K.B. 16,540 T.D.
AB-5S 4002
AB-4N 4015
KILOMETERS
LEGEND
MESOZOIC
JURASSIC & CRETACEOUS
Jk KOOTENAY FORMATION
J JURASSIC
Jf FERNIE GROUP
T TRIASSIC
TR Sr SPRAY RIVER FORMATION
PERMIAN & (?) PENNSYLVANIAN
Pr ROCKY MOUNTAIN FORMATION
M MISSISSIPIAN
Mr RUNDLE GROUP
Met ETHERINGTON FORMATION
Mmh MOUNT HEAD FORMATION
Mlv LIVINGSTONE FORMATION
GEOLOGICAL BOUNDARY (certain, assumed)
STRIKE & DIP OF BEDDING
PLUNGING SYNCLINE (symmetrical, overturned)
PLUNGING ANTICLINE (symmetrical, overturned)
THRUST FAULT (teeth on upper plate)
NORMAL FAULT (lines on downthrown plate)
FAULT OF UNKNOWN RELATIVE MOVEMENT
SHELL MEASURED OUTCROP SECTION
K-SHELL-LINE CREEK 79(2)A
Crows Nest Resources Limited
EXPLORATION
LINE CREEK
S.E. BRITISH COLUMBIA
GEOLOGY
COMPILATION MAP
N.T.S. 82G/15
82J/2
AUTHOR M. D'ORSAY
SCALE 1:50,000
ENCLOSURE No 4
DATE APRIL 1980
REVISED
DRAWING No HC-50
To Accompany

421



K-SHELL LINE CREEK 79 (2) A

LEGEND

PLUNGE DIRECTION
ANTICLINE

PLUNGE DIRECTION
SYNCLINE

NORMAL FAULT
(Point or Knobbed Point indicates Down-Faulted Side)

THRUST FAULT
(Pointed End indicates Side that had been Thrusted)

DIP ANGLE AND DIRECTION

STRIKE DIRECTION

STRIKE / DIP
(1) NORMAL – TOP KNOWN
(2) OVERTURNED – TOP KNOWN
(3) VERTICAL
(4) TOP OF STRATA NOT KNOWN

ROTARY DRILL HOLE
CORE HOLE
ANGLE HOLE
ADIT

0 100 200 300 400 500 m

REFERENCE

MAP PROJECTION : UNIVERSAL TRANSVERSE MERCATOR
CENTRAL MERIDIAN REFERENCE 117° W.

PREPARED BY
NORTH WEST SURVEY CORPORATION (YUKON) LTD.

Crows Nest Resources Limited
EXPLORATION

LINE CREEK PROJECT
B.C.

421

GEOLOGICAL MAP

AUTHOR: M. D'ORSAY	SCALE: 1:5000	ENCLOSURE No: 7
DATE: 80 04 18	REVISED:	DRAWING No: HF - 51
To Accompany		

421

STRATIGRAPHIC SECTION

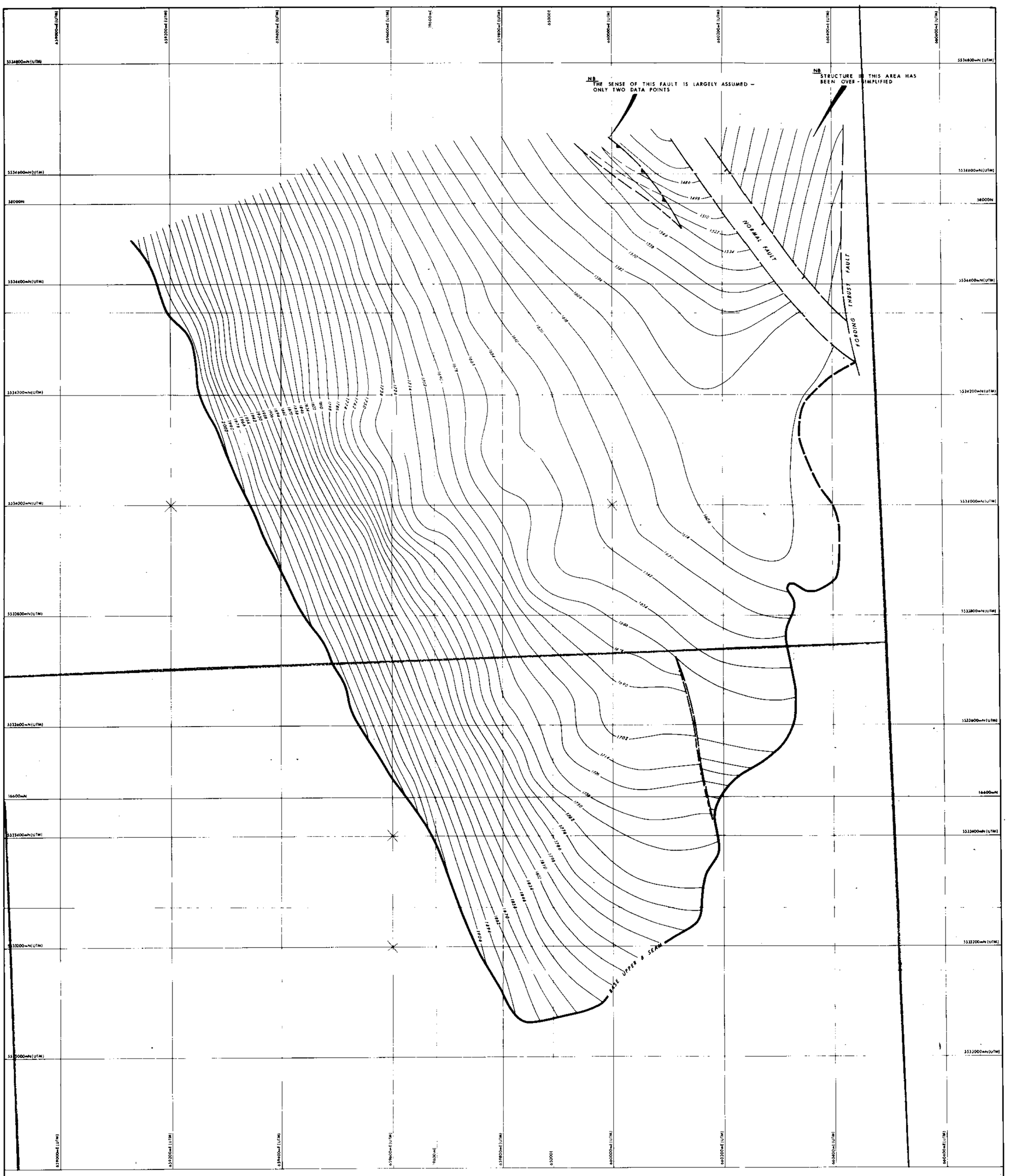
DESIGNATION: Exploratory S

PROJECT: Line Creek North

AREA: Line Creek

LOCATION: 1.5 Bethlehem Colliery

PROJECT NO.: 1-1-1-



421

K-SHELL LINE CREEK 79(2)A

SHELL CANADA RESOURCES LIMITED
DEVELOPMENT DEPARTMENT - COAL

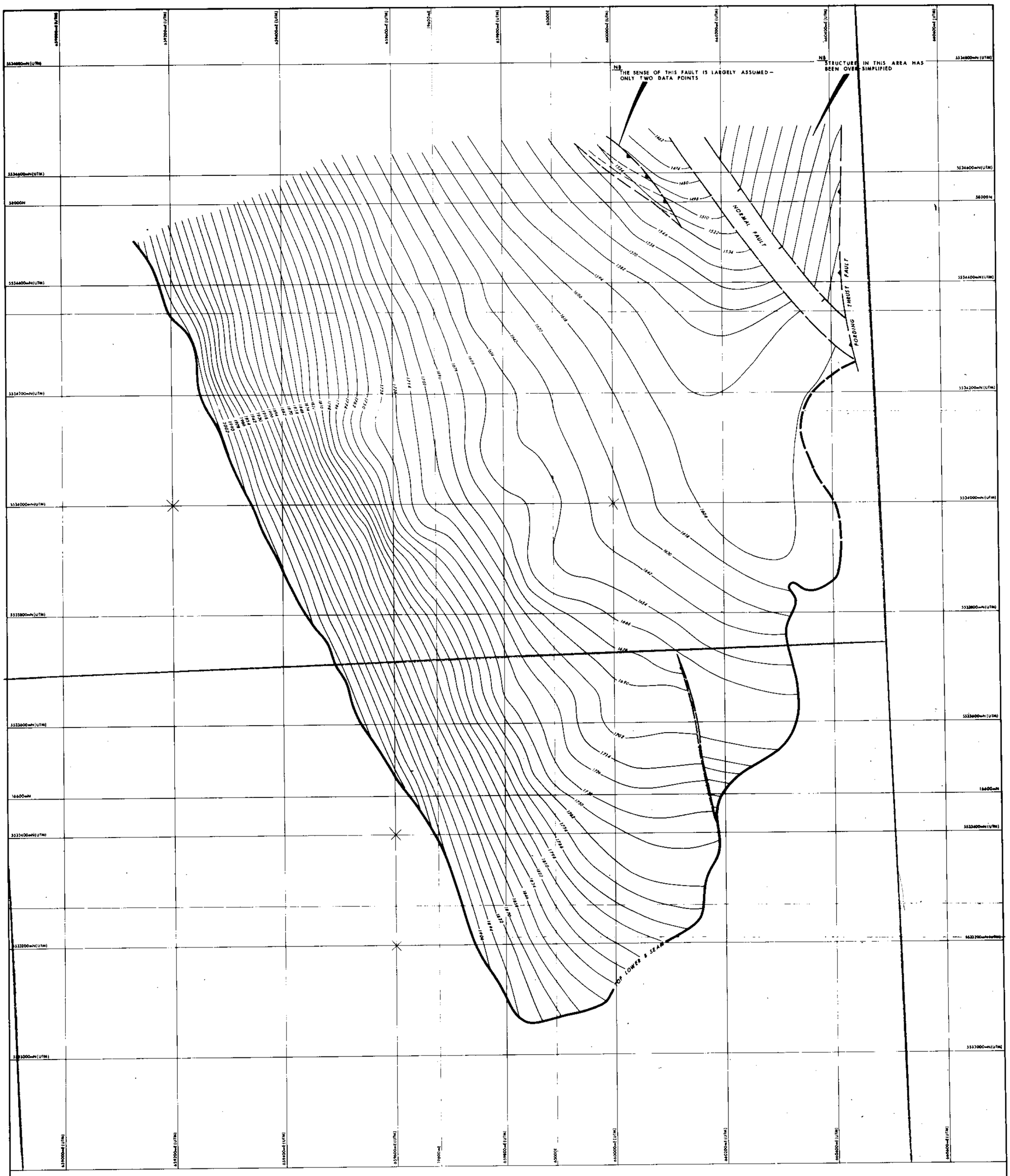
LINE CREEK RIDGE
B.C.

STRUCTURE CONTOUR MAP
BASE UPPER 8 SEAM

CONTOUR INT. 12m

AUTHOR T.COLE & T.HANNAH	SCALE 1:2000	ENCLOSURE No. 6B
DATE NOV 1978	REVISED MAR 1980	DRAWING No: HA-148
To Accompany		

LEAD EDGE



42.!

K-SHELL LINE CREEK 79(2)A

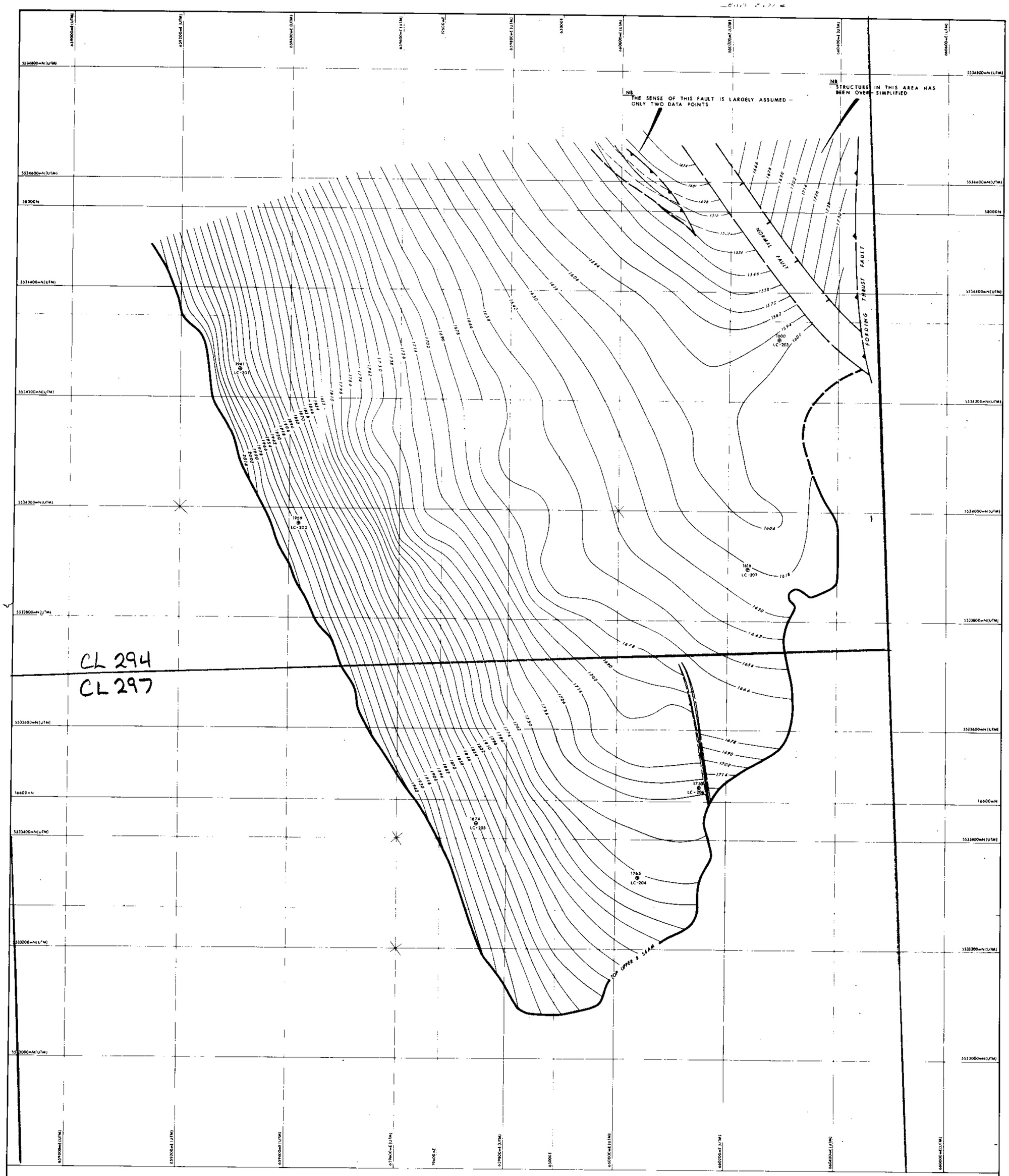
SHELL CANADA RESOURCES LIMITED
DEVELOPMENT DEPARTMENT - COAL

LINE CREEK RIDGE
B.C.

STRUCTURE CONTOUR MAP
TOP LOWER 8 SEAM

CONTOUR INT. 12 m

AUTHOR: T COLE & T HANNAH	SCALE: 1:2000	INCL. DRAWING No.: 6C
DATE: NOV. 1978	REVISED: MAR. 1980	DRAWING No.: HA-14C
To Accompany		



K-SHELL LINE CREEK 79(2) A

SHELL CANADA RESOURCES LIMITED
DEVELOPMENT DEPARTMENT - COAL

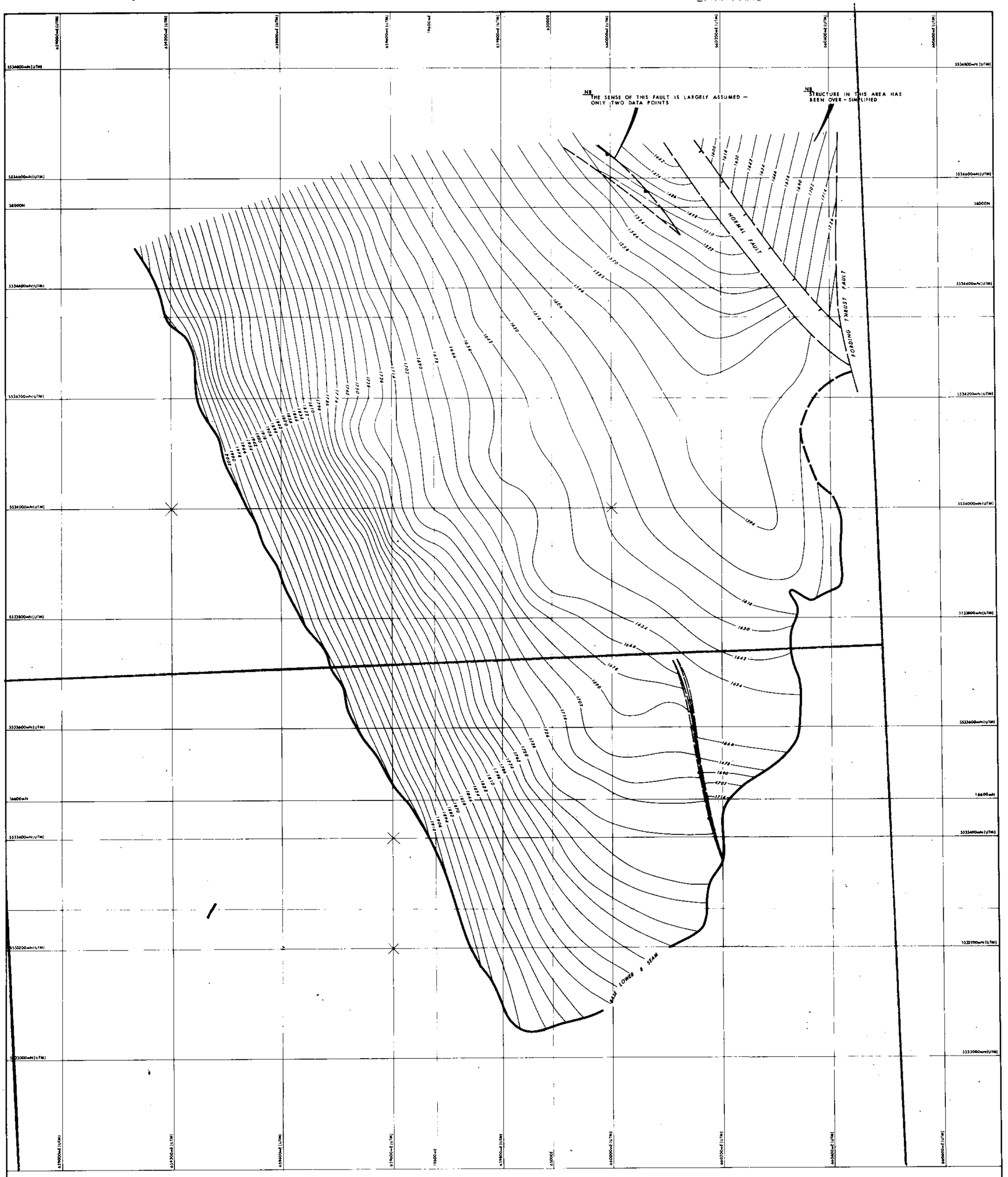
LINE CREEK RIDGE
B.C.

STRUCTURE CONTOUR MAP
TOP UPPER 8 SEAM

CONTOUR INT. 12m

AUTHOR T. COLE & T. HANDUM	SCALE 1:2000	ENCLOSURE No. 6A
DATE NOV 1979	REVISED	DRAWING No. HA-14D
To Accompany		

LAND FIXE



421

K-SHELL LINE CREEK 79(2)A

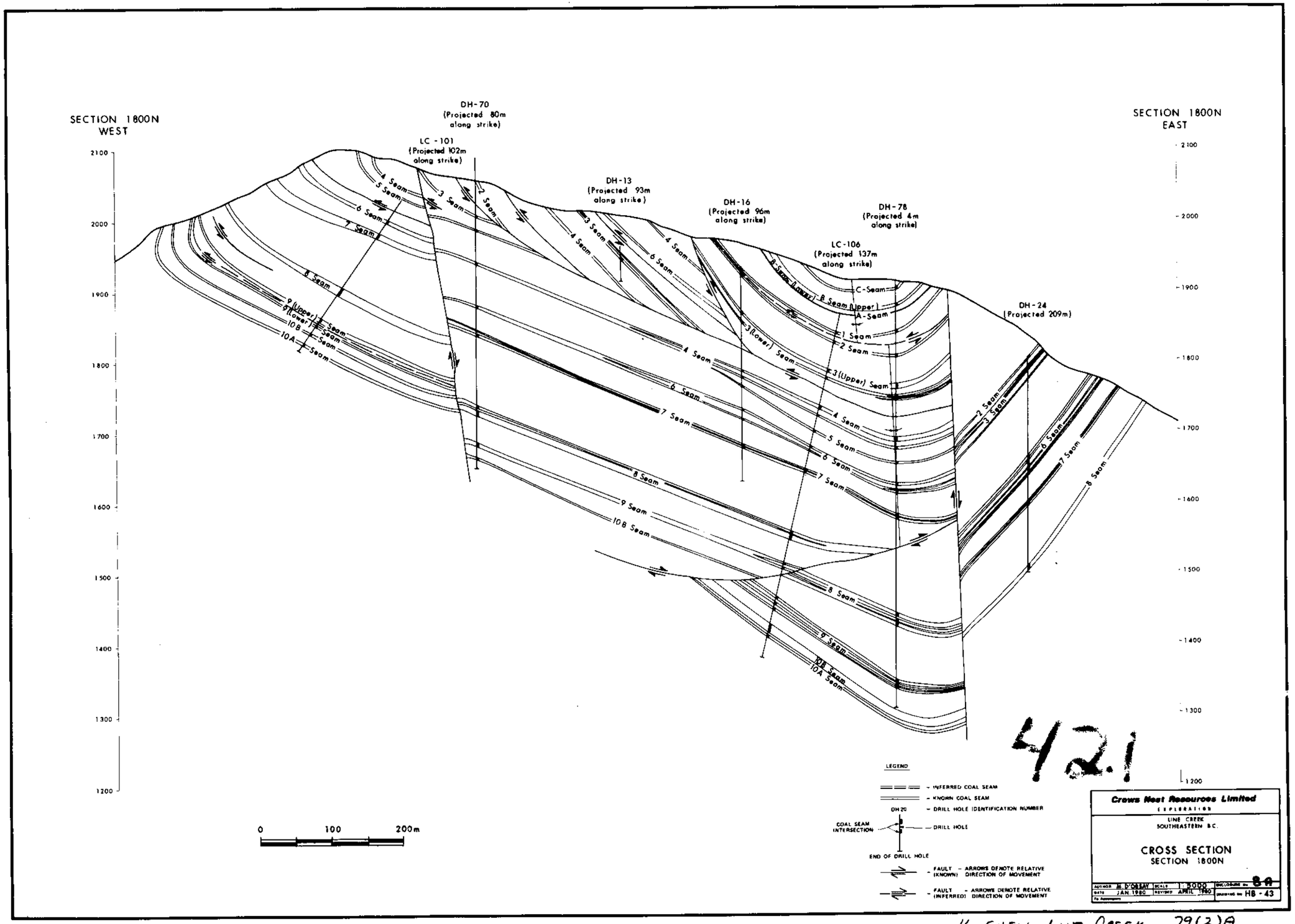
SHELL CANADA RESOURCES LIMITED
DEVELOPMENT DEPARTMENT - COAL

LINE CREEK RIDGE
B.C.

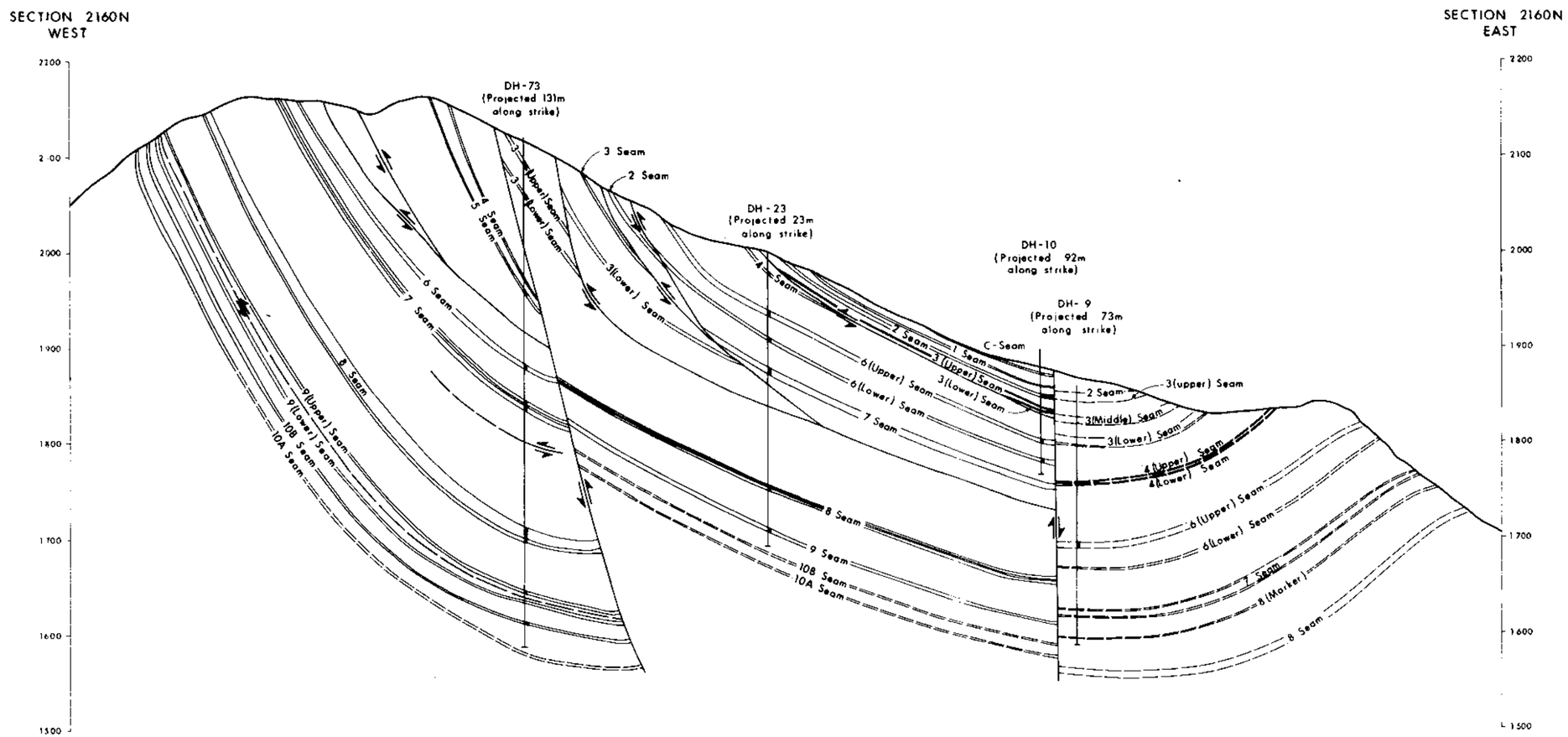
STRUCTURE CONTOUR MAP
BASE LOWER 8 SEAM

CONTOUR INT. 12m

AUTHOR T COLE & T HANNAH	SCALE 1:2000	ENCLOSURE No. 6A
DATE: NOV 1978	REVISED MAR 1980	DRAWING No. HA-14E
To Accompany		



K- SNELL LINE CREEK 79(2)A



0 100 200m

LEGEND

- INFERRED COAL SEAM
- KNOWN COAL SEAM
- DH 20 — DRILL HOLE IDENTIFICATION NUMBER
- COAL SEAM INTERSECTION — DRILL HOLE
- END OF DRILL HOLE
- FAULT (KNOWN) — ARROWS DENOTE RELATIVE DIRECTION OF MOVEMENT
- FAULT (INFERRED) — ARROWS DENOTE RELATIVE DIRECTION OF MOVEMENT

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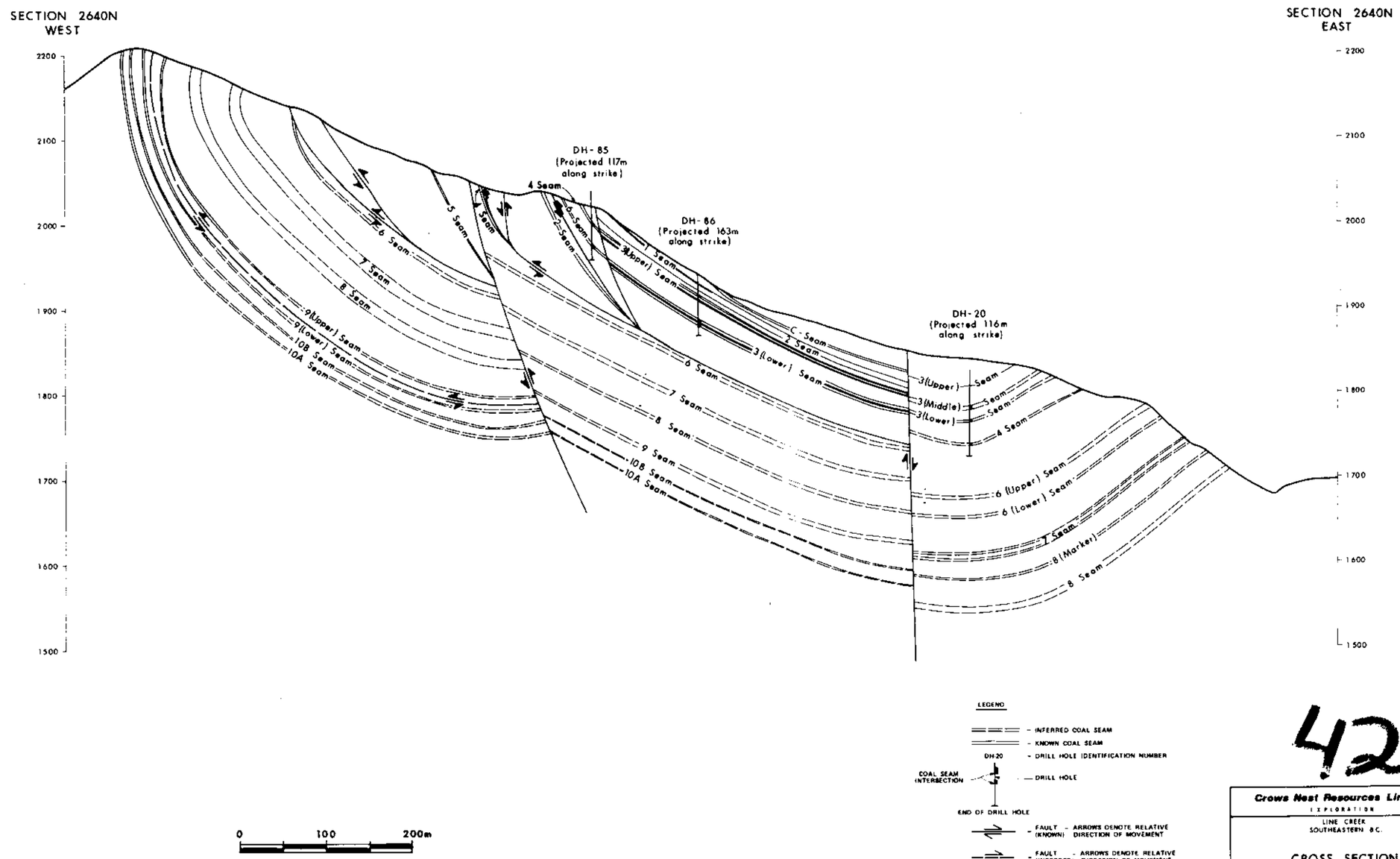
Crows Nest Resources Limited
EXPLORATION

LINE CREEK
SOUTHEASTERN B.C.

CROSS SECTION
SECTION 2160N

AUTHOR	M. D'ORSAY	SCALE 1:5000	ENCLOSURE No. 8B
DATE	JAN. 1980	REVISED	DRAWING No. HB-43a
To Accompany			



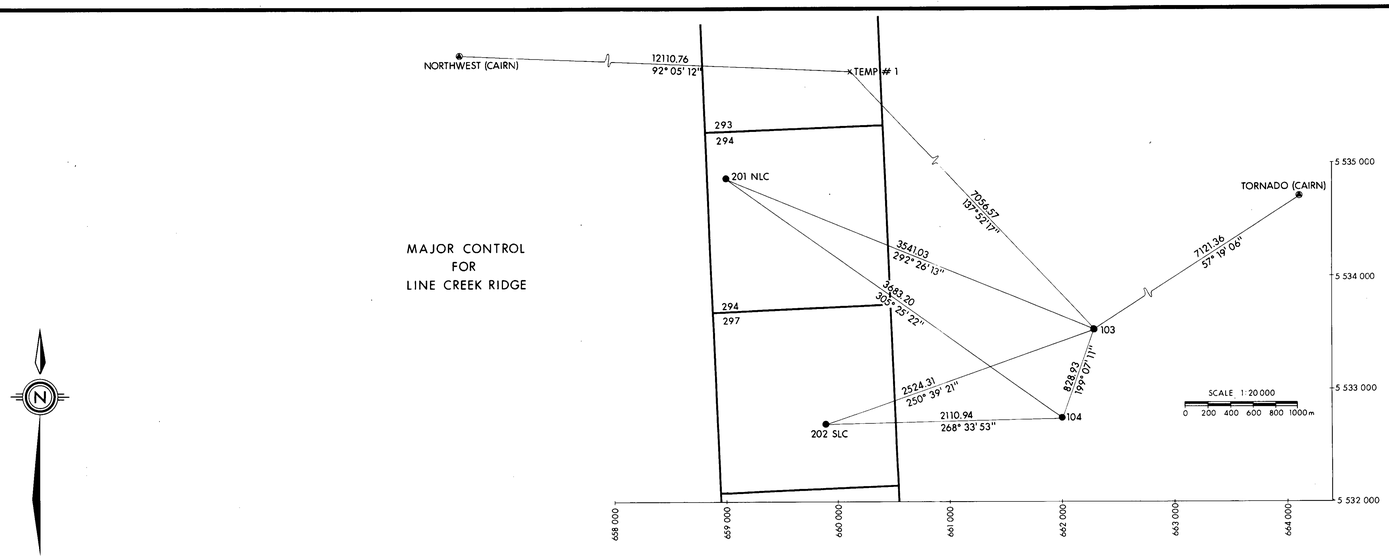
421

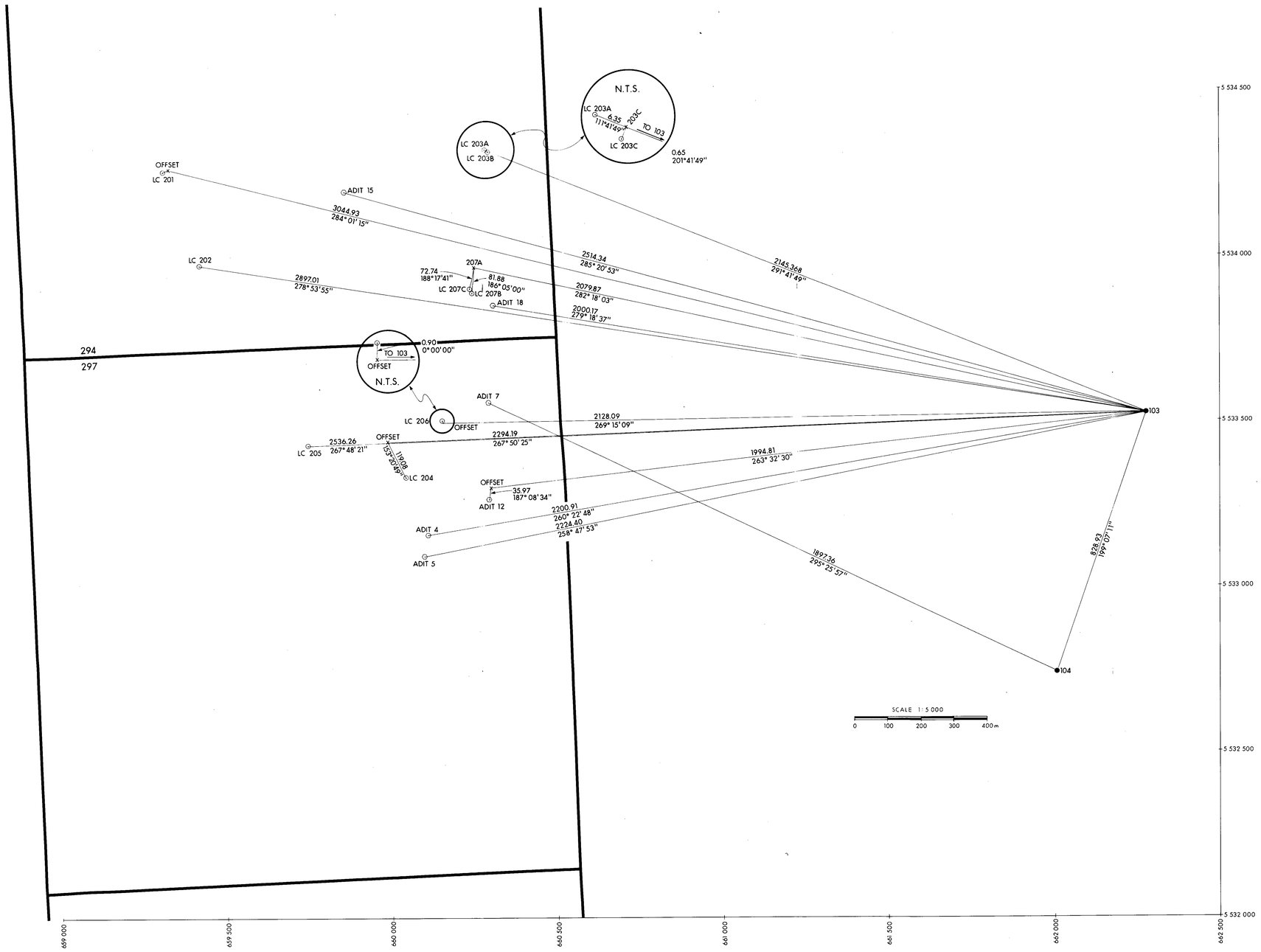
Crows Nest Resources Limited
EXPLORATION

LINE CREEK
SOUTHEASTERN B.C.

CROSS SECTION
SECTION 2640N

AUTHOR M. D'ORSAY	SCALE 1:5000	ENCLOSURE NO. 8c	
DATE JAN 1980	REVISED APRIL 1980	DRAWING NO. HB-43b	
As Accompany			





COORDINATE TABLE

CONTROL				DRILL HOLES & ADITS			
STATION	NORTHING	EASTING	ELEVATION	DRILL HOLES	NORTHING	EASTING	ELEVATION
North West (Geodetic)	5 539 195.15	645 451.46	2416.15	201	5 534 253.2	659 307.7	2057.48
Northwest (104 fixed)	5 539 195.22	645 450.24		202	5 533 972.0	659 416.7	2014.52
Tornado (Geodetic)	5 537 367.68	668 269.56	3098.90	203A	5 534 317.0	660 285.5	1679.24
104	5 532 740.96	662 007.42	2020.58	203B	5 534 314.0	660 029.1	1679.24
103	5 533 523.90	662 278.79	2157.46	204	5 533 331.0	660 039.7	1842.28
TEMP #1	5 538 755.10	657 547.71	2349.12	205	5 533 426.8	659 744.4	1929.38
201	5 534 874.88	659 007.28	2180.80	206	5 533 497.1	660 150.9	1745.20
202	5 532 688.11	659 897.94	1776.69	207B	5 533 885.5	660 238.0	1666.32
NB. COORDINATES HAVE BEEN ADJUSTED WITH "GALS"				207C	5 533 895.1	660 236.2	1666.83
				ADITS			
				4	5 533 156.1	660 108.9	1749.62
				5	5 533 091.7	660 096.8	1750.86
				7	5 533 555.8	660.293.9	1669.99
				12	5 533 263.8	660 292.2	1666.53
				15	5 534 189.4	659 854.2	1789.08
				18	5 533 847.5	660 304.5	1613.14

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NOTE: SURVEY DONE BY SHELLTECH, 1979
ALL DISTANCES SHOWN ARE IN METRES AND DECIMALS THERE OF
CONTROL MAP HAS HORIZONTAL SURFACE DISTANCES
DRILL AND ADIT MAP HAS PLANE DISTANCES
(i.e. corrected for scale and sea level factor)
AZIMUTHS ARE GRID AND REFERRED TO 117° W

LEGEND:

- ◉ FOUND GEODETIC MONUMENT
- ● FOUND IRON POST
- ⊙ DRILL HOLE
- ⊙ ADIT
- X PLANTED 6" SPIKE

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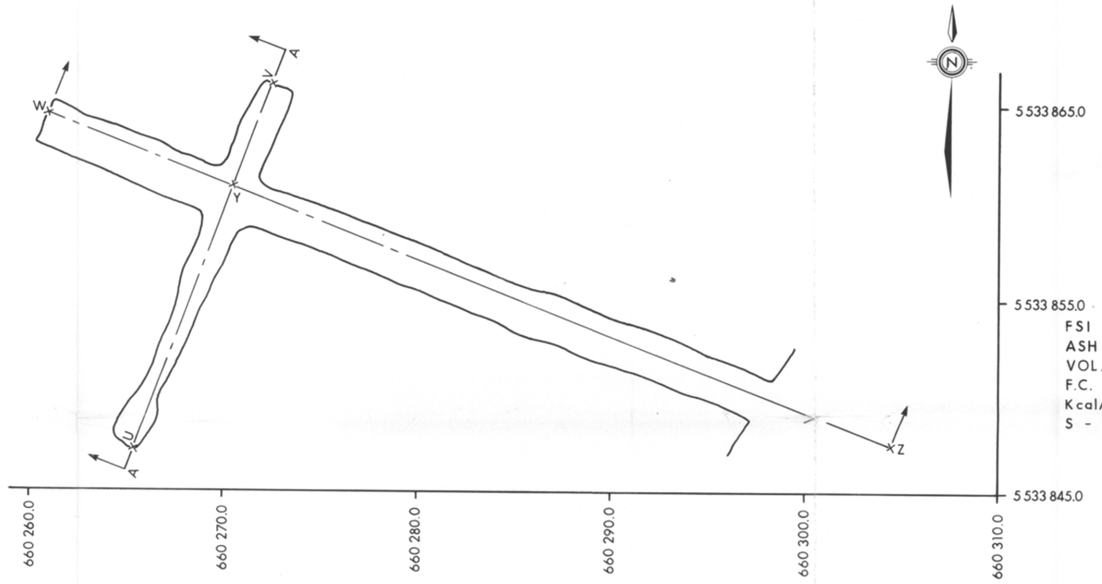
K-SHELL LINE CREEK 79(2)A

Crows Nest Resources Limited
EXPLORATION

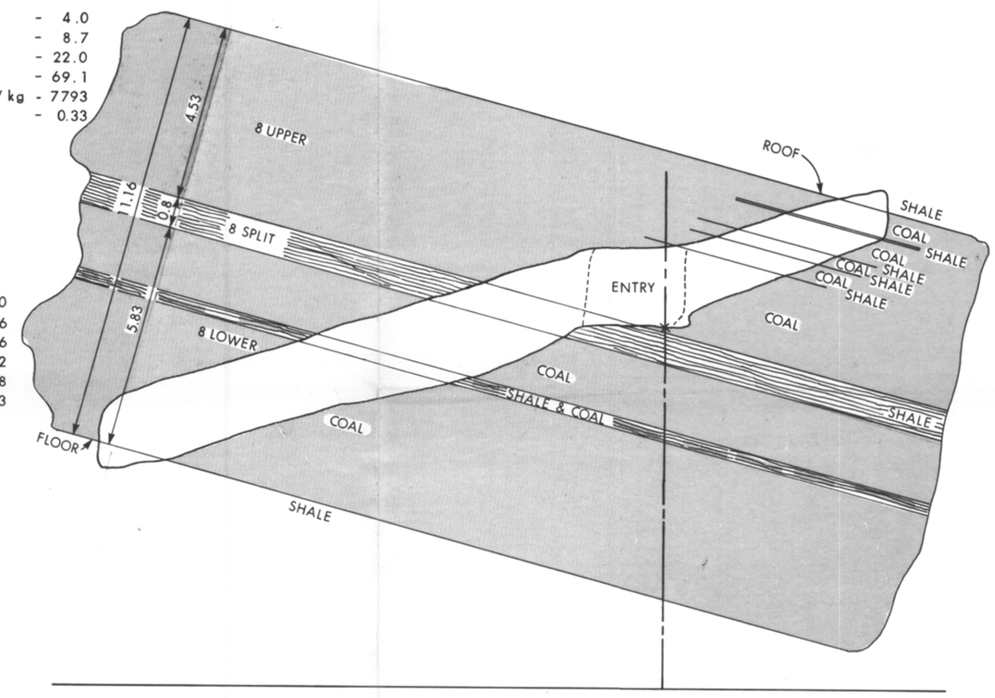
LINE CREEK RIDGE
SE BRITISH COLUMBIA

CONTROL PLAN, DRILL HOLE AND ADIT TRAVERSE SURVEY

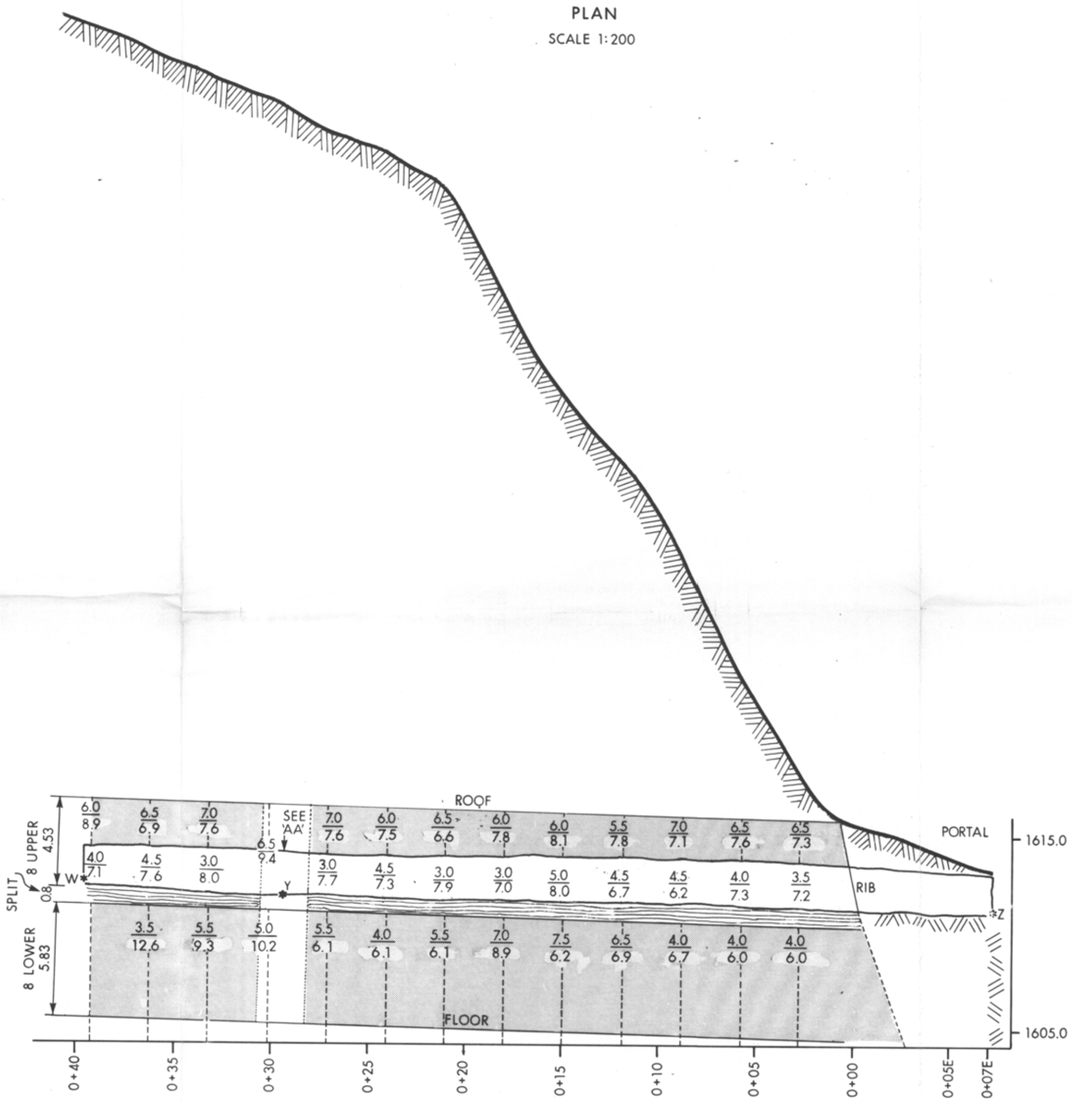
AUTHOR: SHELTECH	SCALE: AS SHOWN	ENCLOSURE No:
DATE: APR '80	REVISED:	DRAWING No: HA-52
To Accompany		



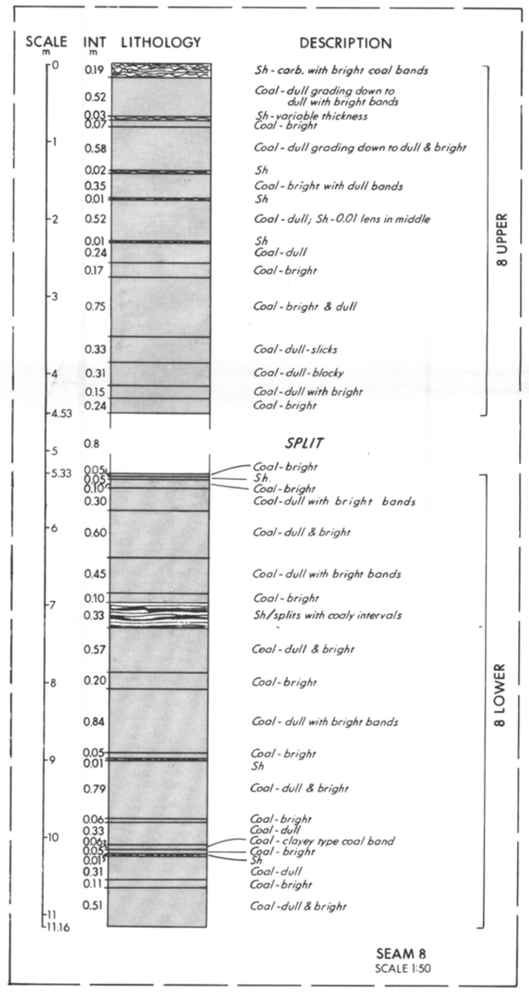
PLAN
SCALE 1:200



X-SECTION AA
SCALE 1:100



PROFILE
SCALE 1:200



SEAM 8
SCALE 1:50

STATION	NORTHINGS	EASTINGS	ELEVATION
Z	5 533 847.48	660 304.49	1611.04
W	5 533 864.46	660 260.85	1612.26
Y	5 533 860.71	660 270.48	1611.97
V	5 533 865.95	660 272.44	1614.40
U	5 533 847.07	660 265.37	1606.90

LEGEND

6.0 / 7.46 FSI / ASH WASHED TO S.G. 1.5

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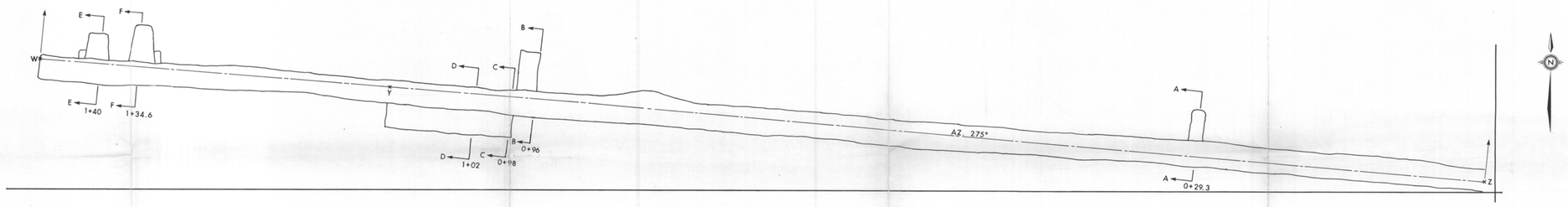
K-SHELL LINE CREEK 79(2)A

Crows Nest Resources Limited
EXPLORATION

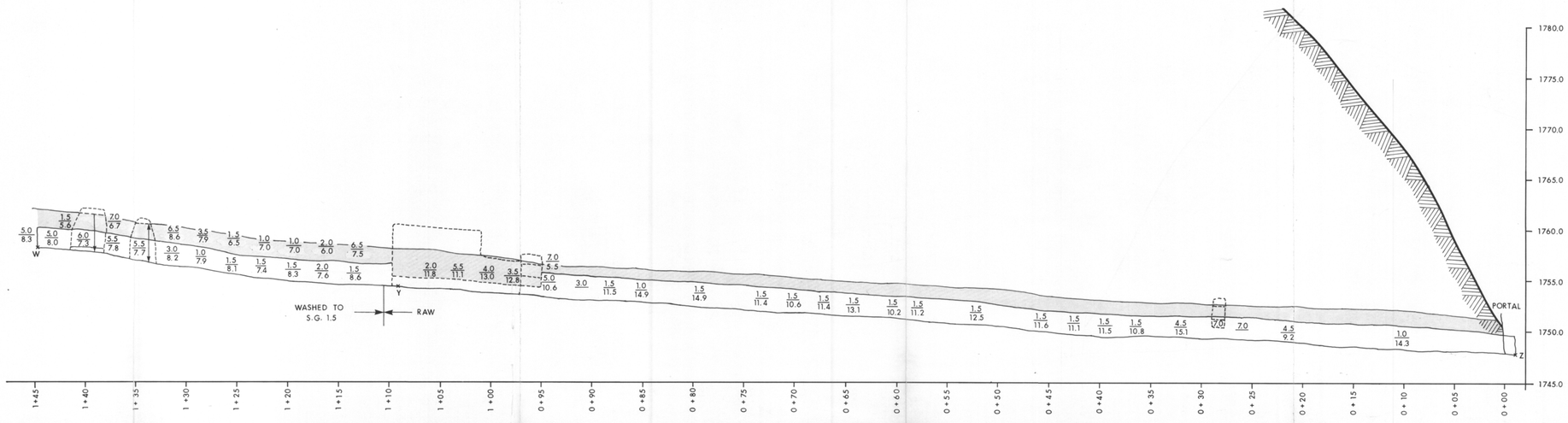
LINE CREEK AREA
S.E. BRITISH COLUMBIA

ADIT 18
SEAM 8

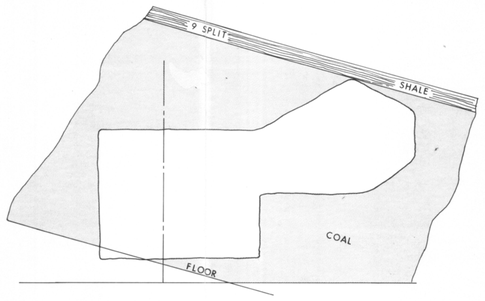
AUTHOR: CNRL	SCALE: AS NOTED	ENCLOSURE No:
DATE: SEPT. 79	REVISED: OCT. 79	DRAWING No: HD-36B
To Accompany		



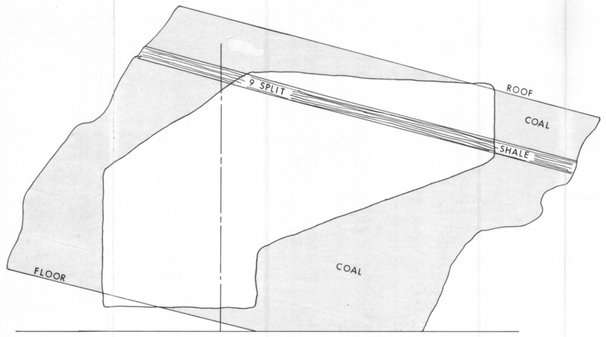
PLAN
SCALE 1:200



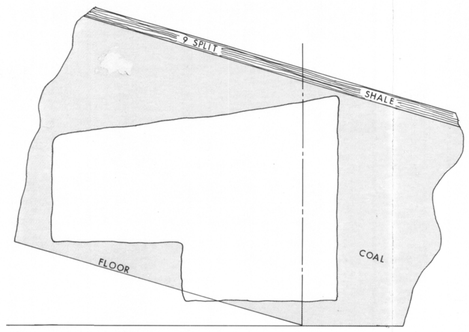
PROFILE
SCALE 1:200



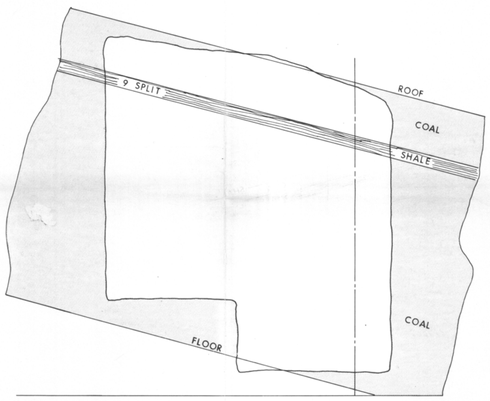
X - SECTION AA
0+27.8 ⟶ 0+29.0



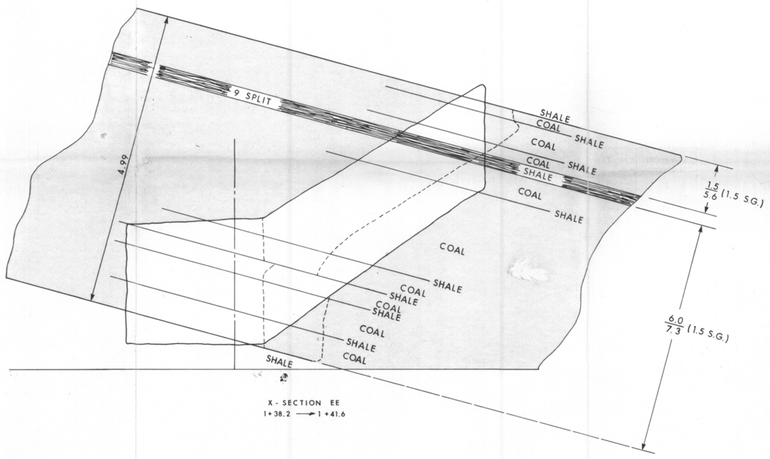
X - SECTION BB
0+95 ⟶ 0+97



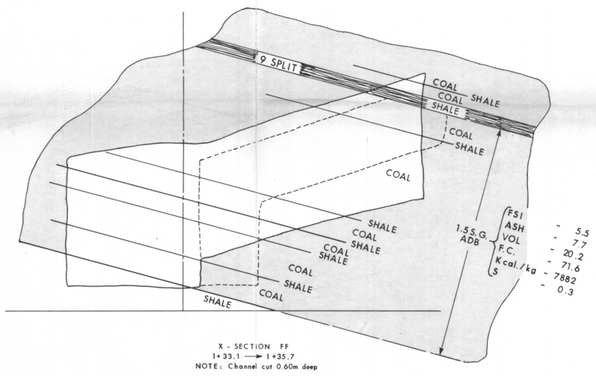
X - SECTION CC
0+97 ⟶ 1+01



X - SECTION DD
1+01 ⟶ 1+09.7

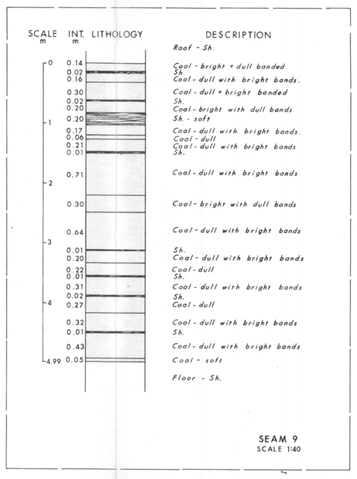


X - SECTION EE
1+38.2 ⟶ 1+41.6



X - SECTION FF
1+33.1 ⟶ 1+35.7
NOTE: Channel cut 0.60m deep

X - SECTIONS
SCALE 1:40



STATION	NORTHINGS	EASTINGS	FLOOR ELEVATION
Z	5 533 156.05	660 108.88	1747.97
Y	5 533 166.43	659 998.74	1754.24
W	5 533 169.08	659 963.59	1759.01

LEGEND

5.0	FSI
8.34	ASH

421

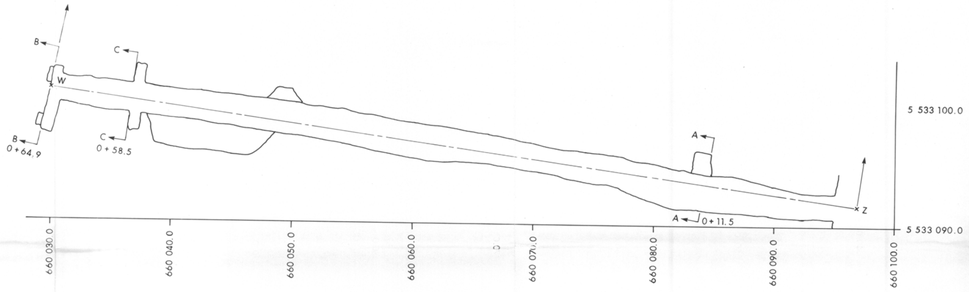
K-SHELL LINE CREEK 79(2)A

Crows Nest Resources Limited
EXPLORATION

LINE CREEK RIDGE
S.E. BRITISH COLUMBIA

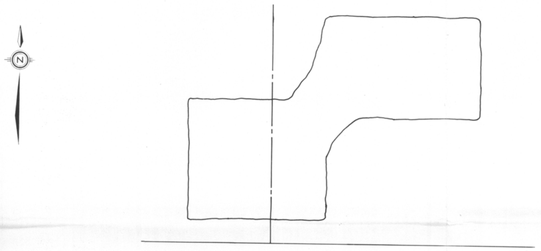
ADIT 4
SEAM 9

AUTHOR: T. HANNAH	SCALE: AS NOTED	ENCLOSURE No:
DATE: JAN. 1980	REVISED: APRIL 1980	DRAWING No: HD-36C
To Accompany		



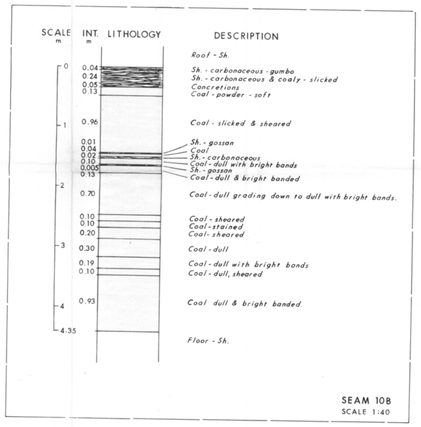
PLAN

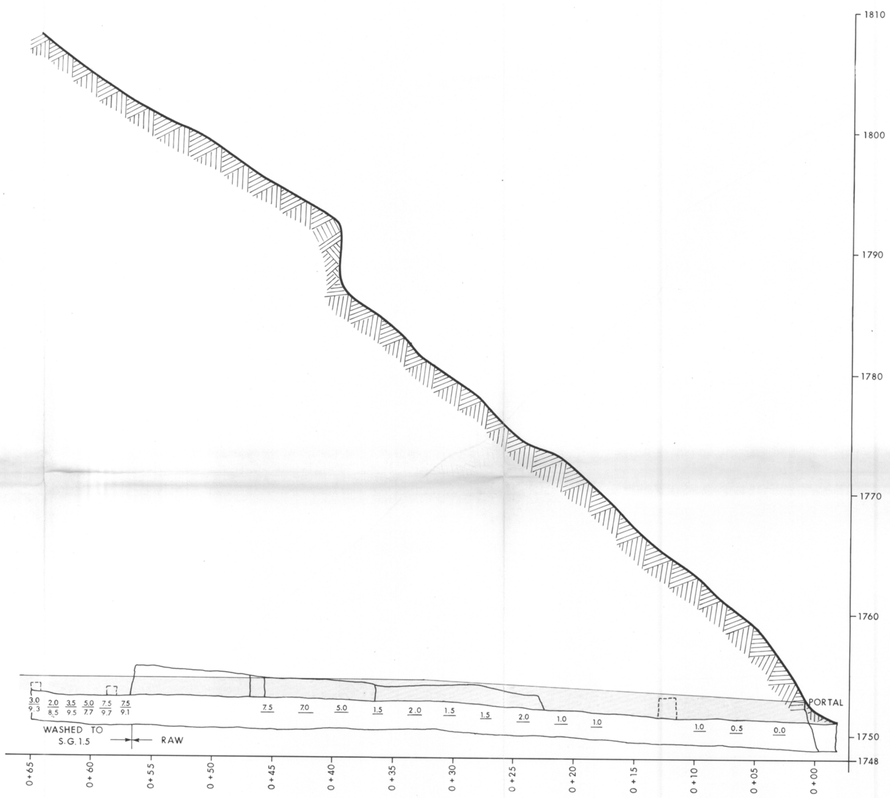
SCALE 1:200



X-SECTION AA

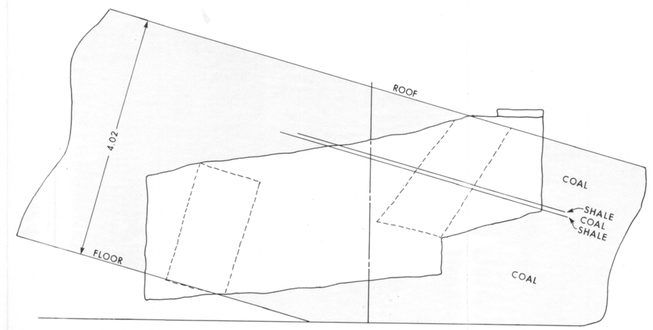
0+11.5 — 0+13.2





PROFILE

SCALE 1:200

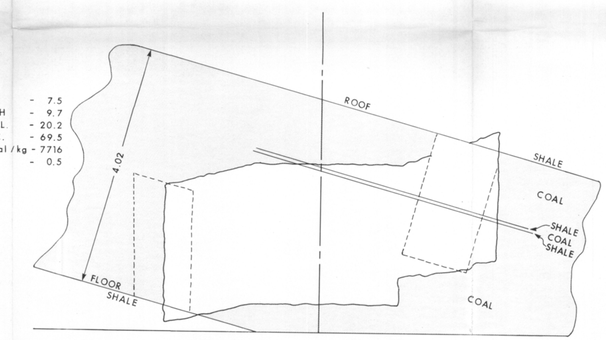


X-SECTION BB

0+64.1 — 0+64.9

1.5 S.G. ADB

FSI	-	7.5
ASH	-	9.7
VOL.	-	20.2
F.C.	-	69.5
Kcal/kg	-	7716
S	-	0.5



X-SECTION CC

0+59.7 — 0+60.9

X - SECTIONS

SCALE 1:40

STATION	NORTHINGS	EASTINGS	FLOOR ELEVATION
Z	5 533 091.72	660 096.82	1748.82
W	5 533 100.85	660 029.79	1750.87

LEGEND

$\frac{70}{9.1}$ $\frac{FSI}{ASH}$

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K-SHELL LINE CREEK 79(2)A

Crows Nest Resources Limited

EXPLORATION

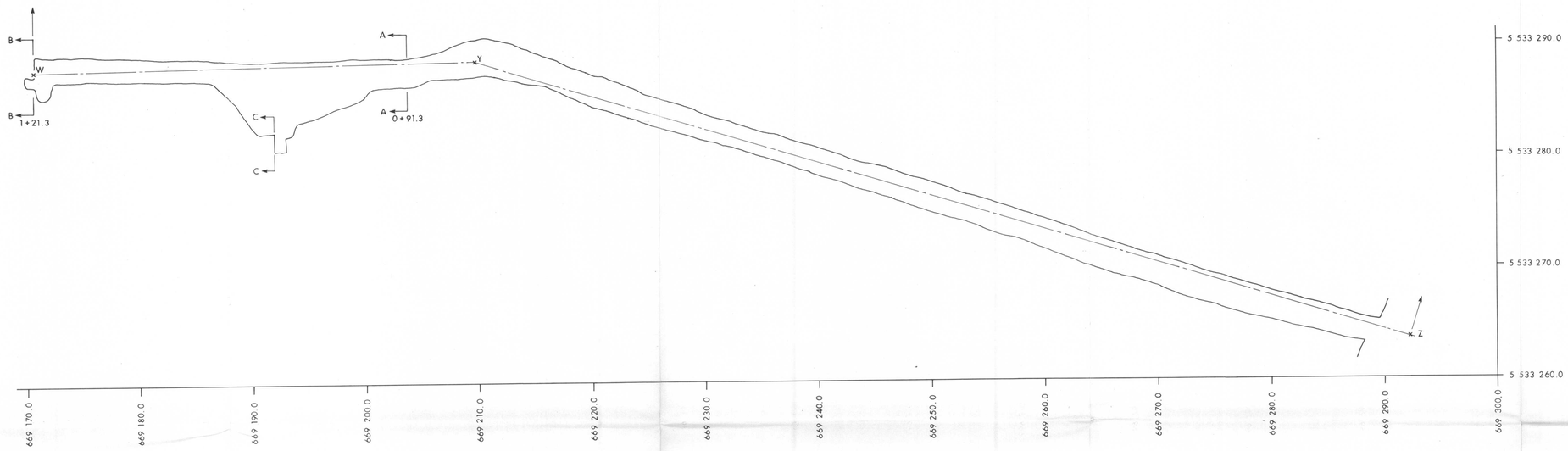
LINE CREEK RIDGE

S.E. BRITISH COLUMBIA

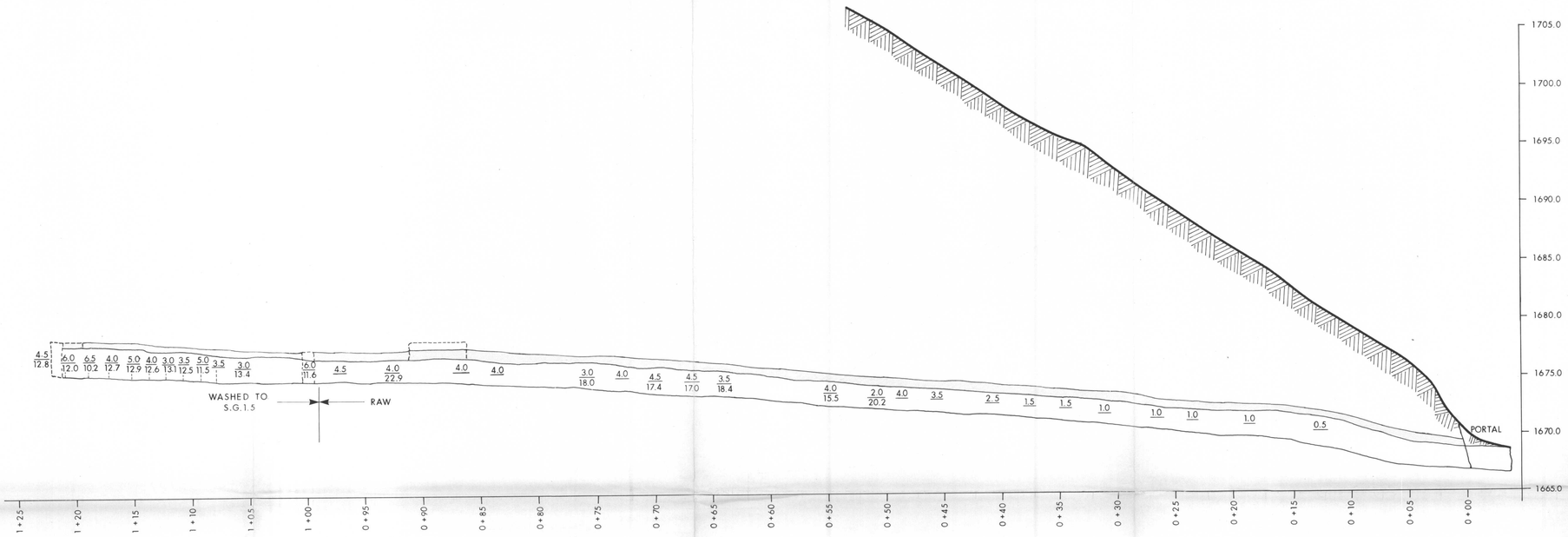
ADIT 5

SEAM 10B

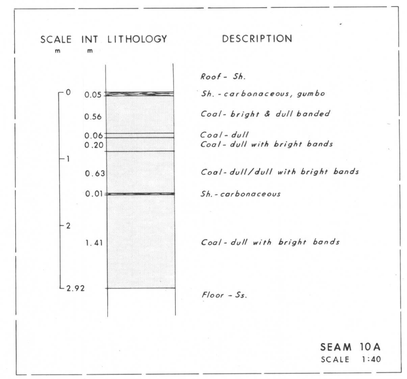
AUTHOR: T. HANNAH	SCALE: AS NOTED	ENCLOSURE No:
DATE: MAR. 1980	REVISED: APRIL 1980	DRAWING No: HD-36D
To Accompany		



PLAN
SCALE 1:200



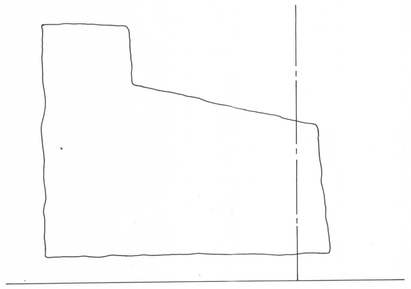
PROFILE
SCALE 1:200



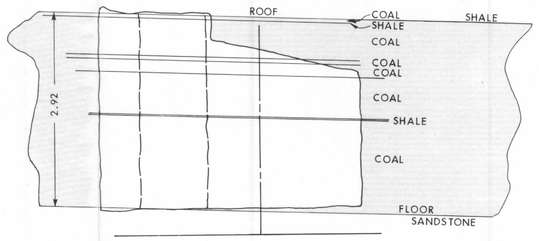
STATION	NORTHINGS	EASTINGS	FLOOR ELEVATION
Z	5 533 263.78	660 292.22	1666.53
Y	5 533 288.47	660 209.88	1674.55
W	5 533 287.91	660 170.84	1674.77

LEGEND

6.0 / 14.3 — FSI / ASH

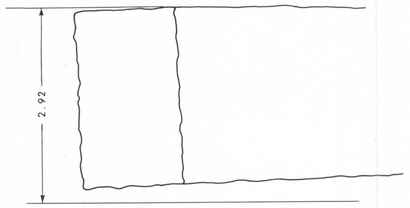


X - SECTION AA
0+91.3 — 0+96.3



X - SECTION BB
at 1+213

1.5 S.G. ADB
FSI - 6.0
ASH - 11.6
VOL - 19.6
F.C. - 68.3
Kcal/kg - 7553
S - 0.5



X - SECTION CC

X-SECTIONS
SCALE 1:40

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K-SHELL LINE CREEK 79(2)A

Crows Nest Resources Limited
EXPLORATION

LINE CREEK RIDGE
S.E. BRITISH COLUMBIA

ADIT 12
SEAM 10A

AUTHOR: T. HANNAH	SCALE: AS NOTED	ENCLOSURE No:
DATE: JAN. 1980	REVISED: APRIL 1980	DRAWING No: HD-36E
To Accompany		