

K-Shell Chauncey Ridge 80(1)A

82 G/2
CHAUNLEY RIDGE
C.L.# SHELL CANADA RESOURCES LTD.
266,,
265
267
RJ Morris
April 1981

382

CONFIDENTIAL

CHAUNCEY RIDGE

NORTH BLOCK PROJECT

REPORT ON COAL LICENSES

NOS. 264 to 276 INCLUSIVE

OPERATED BY: CROWS NEST RESOURCES LIMITED

HELD BY: SHELL CANADA RESOURCES LIMITED

KOOTENAY LAND DISTRICT

SOUTHEASTERN BRITISH COLUMBIA

NTS MAP : 82J/2

50° 02' to 50° 08' NORTH LATITUDE

114° 45' to 114° 50' WEST LONGITUDE

REPORT DATE: April 1981

AUTHOR: R. J. Morris, M.Sc

2/ACa.1

00382

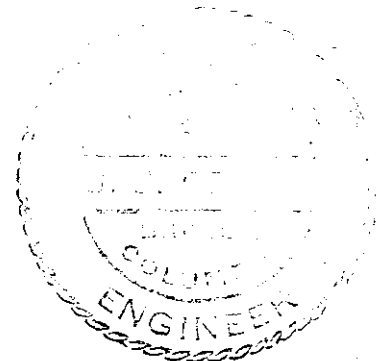
PROFESSIONAL VERIFICATION OF REPORT

ENTITLED: Chauncey Ridge
North Block Project
Report on Coal Licences
No's: 264-276 Inclusive

Mr. Robert J. Morris carried out the 1980 geological field program on the North Block B.C. Coal Licences held by Shell Canada Resources Limited and operated by Crows Nest Resources Limited. He also prepared this report.

Robert J. Morris, M.Sc., received his B.Sc. in geology from the University of British Columbia in 1973, and his M.Sc. in Mineral Exploration from Queen's University in 1978. Since graduation, he has worked for a number of major mining companies. His experience with western Canadian coal exploration includes positions with Kaiser Resources Ltd.

I consider the aforementioned geologist to be well qualified to have undertaken the responsibilities he was assigned for this project. I am satisfied that the attached report dated April 30, 1981, has been competently prepared and justly represents the information obtained from this report.



J. J. Crabb
J. J. Crabb, P.Eng.

April 30, 1981

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LIST OF ENCLOSURES

VOLUME 1 (following text)

<u>NO.</u>		SCALE
1	- Table of Formations	NOT TO SCALE
2	- Coal Quality Summary, West Ridge	NOT TO SCALE
3	- Coal Quality Summary, East Ridge (North) Coal Quality Summary, East Ridge (Central)	NOT TO SCALE
4	- Coal Quality Summary, East Ridge (South)	NOT TO SCALE

NO.

APPENDICES

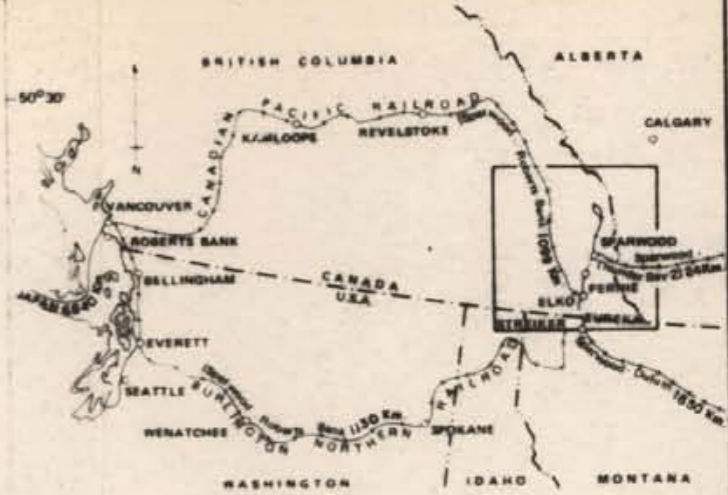
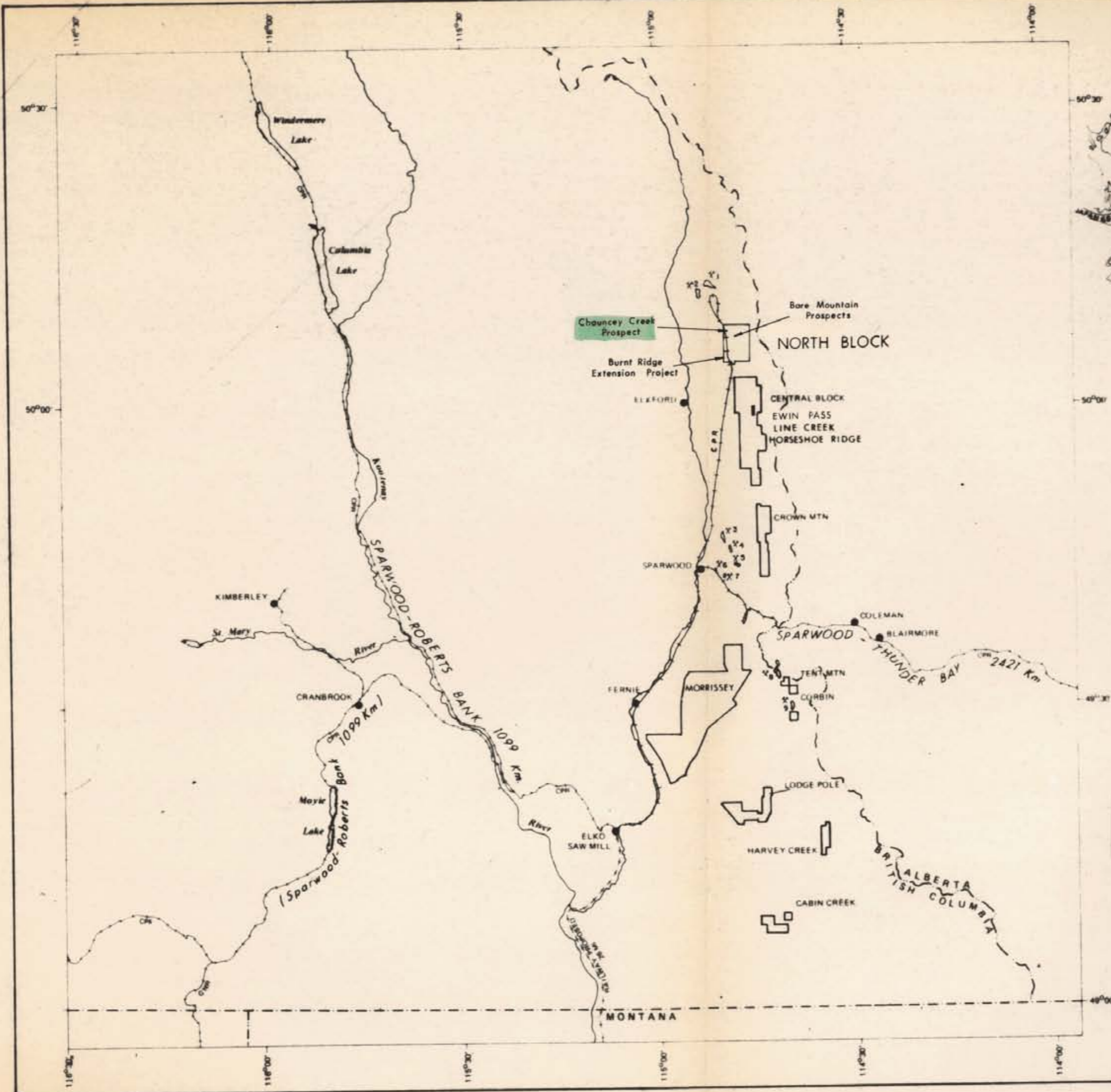
5	- Cost Statement (copy of Application to Extend Term of Licence)	NOT TO SCALE
6	- Report on Location Survey North Block 4051 M Southeast B.C. <i>refer K-Shell-Chauncey Ridge</i> by Sheltech Canada Ltd. <i>sd(2)A</i> including Traverse Survey Map	1:5,000

LIST OF ENCLOSURES:

VOLUME 2

<u>NO.</u>	<u>FIGURES</u>	<u>SCALE</u>
1	- ✓ Southeast B. C. Location Map	1:800 000
2	- ✓ Index Map to Coal Licences (Project Subdivision Map)	1:50 000 1:50,000
3	- ✓ Index Map to Coal Licences	1:50 000
AA-203	Prospect Location Map.	
4	- ✓ B. C. Coal Land Tenure Standing: Group #214 - North Block	not to scale
5	- ✓ General Geological Map	1:50 000
6	- ✓ Information Map (3 sheets)	1:5 000
7	- ✓ Geological Map (4 sheets)	1:5 000
8	- Structural Cross Sections	1:5 000
8-1	- 5 554 000 N ✓	
8-2	- 5 554 500 N ✓	
8-3	- 5 555 000 N ✓	
8-4	- 5 555 500 N ✓	
8-5	- 5 556 000 N ✓	
8-6	- 5 556 500 N ✓	
9	- Stratigraphic Sections (20) ✓ (Reference to locations on Information Map)	1:20

refer to k-Shell-Chauncoy
Ridge 80(2)A



LEGEND

- OPERATING MINES**
- FORDING COAL LTD
 - 1 CLODE PIT
 - 2 GREENHILLS PIT
 - KAISER RESOURCES LTD
 - 3 HAMMER PITS 1 & 2
 - 4 ADIT 28 PIT
 - 5 CAMP 8 & ADIT 40A PITS
 - 6 BALMER SOUTH HYDRAULIC UNDERGROUND MINE
 - 7 BALMER NORTH CONVENTIONAL UNDERGROUND MINE
 - COLEMAN COLLIERIES LTD
 - 8 TENT MOUNTAIN PITS
 - BYRON CREEK COLLIERIES LTD.
 - 9 CORBIN PIT
- COAL RIGHT OWNED/LICENCED BY**
- SHELL CNRL



Crows Nest Resources Limited
EXPLORATION

SOUTHEAST B.C.
LOCATION MAPS

Encl. No. 1

AUTHOR: C. BEAVAN	SCALE: 1:800 000	ENCLOSURE No.
DATE: 81.03.11	REVISED:	DRAWING No. BA-281

SUMMARY:

The North Block, comprised of coal licenses No. 264 to 276, has an areal extent of 3173 hectares. The license block is located in the Fording River Valley, 3 km south of Fording Coal Ltd.'s mine.

The North Block has been divided into three separate projects: Bare Mountain, Burnt Ridge Extension, and Chauncey Ridge. Chauncey Ridge will be dealt with in this report.

During the summer of 1980, 100% of the area underlain by coal-bearing Kootenay Formation was examined and 50% was mapped in detail.

In total \$172,422.98 was spent on the North Block Project representing \$53.34 per hectare.

Compilation of exploration data for Chauncey Ridge has led to the following summary:

- a total of 7 seams up to 39.4 m cumulative thickness
- thicknesses from 1.0 m to 16.0 m

- there has not been enough exploration done to completely assess mineability though no areas amenable to ~~open pit mining~~ were located. The only potential may be an underground project (against gravity transportation) in a thick seam on the west side of Chauncey Ridge.

It is recommended that in 1981 work be concentrated on the west slopes of Chauncey Ridge. A large coal exposure along the existing B.C. Coal road should be measured and mapping should be completed in the area to assess mineability.

INTRODUCTION:

Coal Land Tenure: Enclosure 3, Volume 2: Index Map to Coal Licences.
Enclosure 4, Volume 2: B. C. Coal Land Tenure
Standing, North Block, Group #214.

The North Block or Group #214 is comprised of thirteen B. C. Coal Licences (Nos. 264-276 inclusive) covering 3173 hectares held by Shell Canada Resources Ltd., operated by its wholly owned subsidiary Crows Nest Resources Limited.

This report accounts for work done during the last term of licence on the Chauncey Ridge Project which is part of North Block.

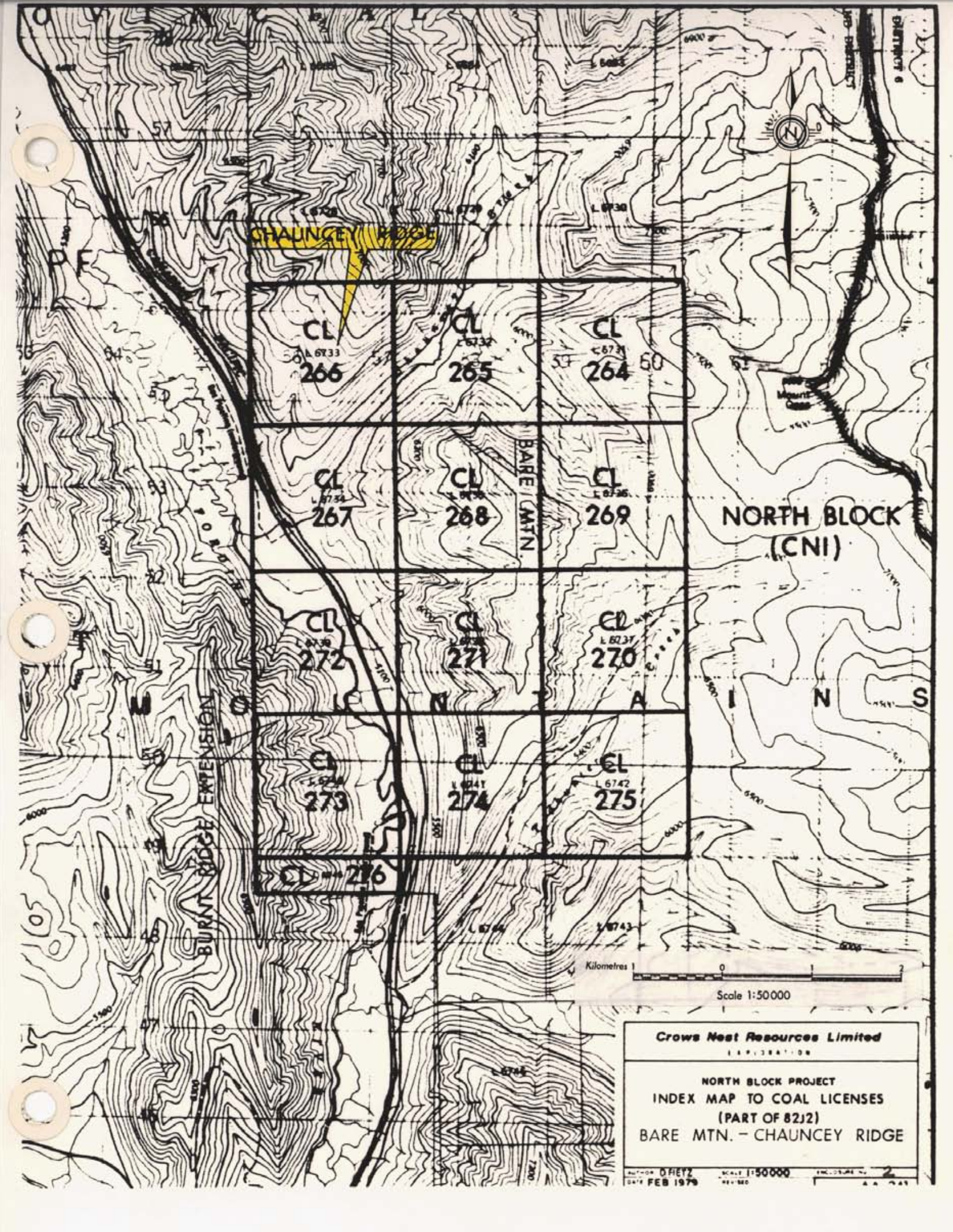
Location, Physiography: Enclosure 2, Volume 2: Index Map to Coal Licences: (Project Subdivision Map).

The property is located in the Rocky Mountains of southeastern British Columbia. The Chauncey Ridge Project is located on the east side of the Fording River, nine air-kilometres northeast of Elkford and three kilometres south of the Fording Coal operations.

The area of interest comprises a ridge with a steep east-dipping flank to Chauncey Creek and a shallow west slope to the Fording River. Erosional features are present on the east flank as prominent gullies with only seasonal stream flow, while on the west slope several main

Access: Enclosure 2, Volume 2: Index Map to Coal Licences (Project Subdivision Map)

The Fording River Valley has a paved road, owned by Fording Coal Ltd. which originates in Elkford 22 km to the southwest, and a C.P.R. spur line at the base of the west slope. Access to the west ridge is on a B. C. Coal exploration north of the turnoff to the CNI logging road between Chauncey Creek and Ewin Creek. The east ridge is accessible by four-wheel drive road along Chauncey Creek.



CHAUNCEY RIDGE

CL
L 6733
266

CL
L 6732
265

CL
L 6731
264

CL
L 6734
267

CL
L 6735
268

CL
L 6736
269

NORTH BLOCK
(CNI)

CL
L 6738
272

CL
L 6739
271

CL
L 6737
270

CL
L 6740
273

CL
L 6741
274

CL
L 6742
275

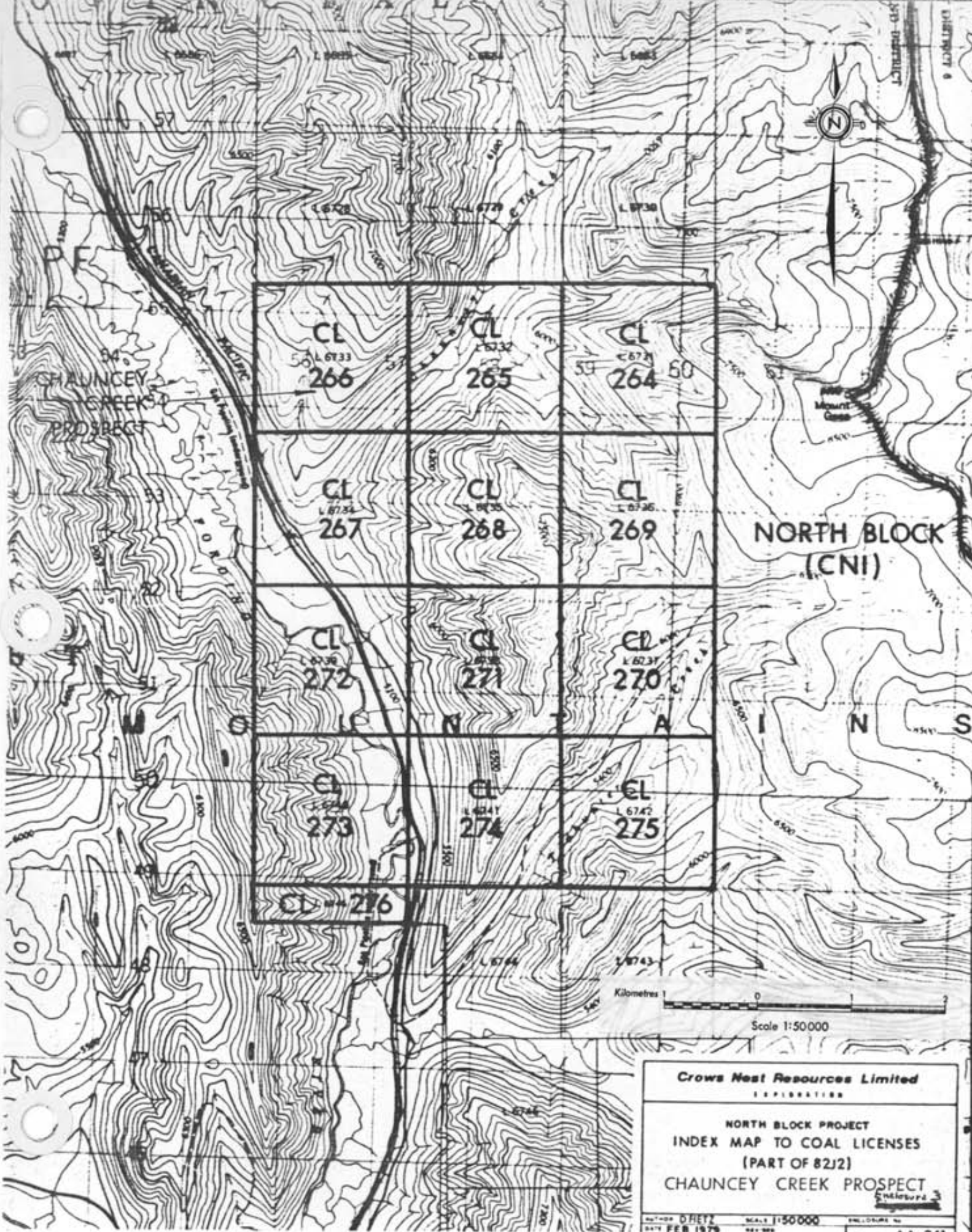
CL 276

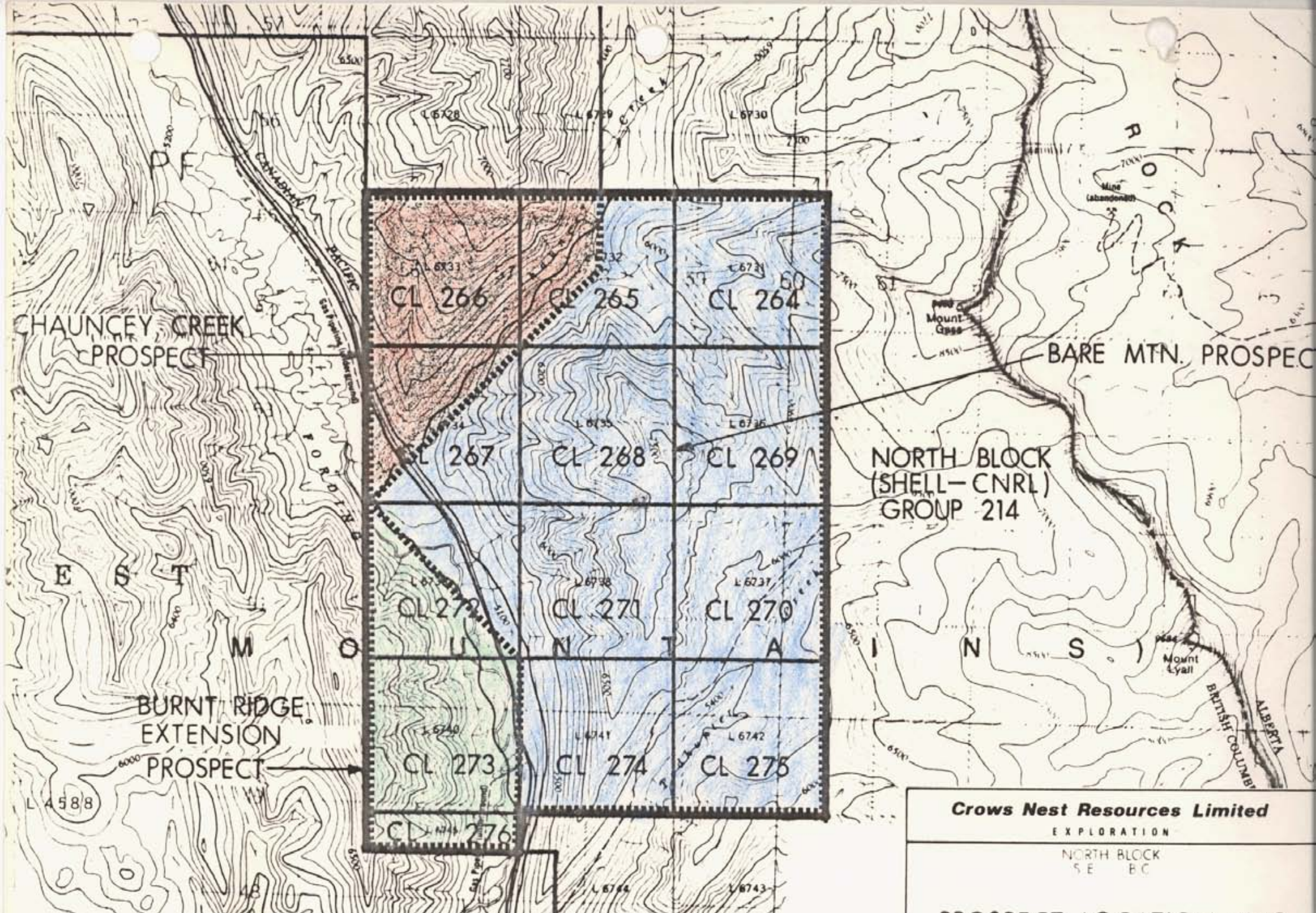
Kilometres 1 0 1 2
Scale 1:50000

Crows Nest Resources Limited
I. A. P. O. R. A. T. I. O. N.

NORTH BLOCK PROJECT
INDEX MAP TO COAL LICENSES
(PART OF 8212)
BARE MTN. - CHAUNCEY RIDGE

AUTHOR O. FETZ SCALE 1:50000 ENCLOSURE No. 2
DATE FEB 1979 REVISED





LEGEND

----- PROSPECT BOUNDARY

Crows Nest Resources Limited
 EXPLORATION

NORTH BLOCK
 S.E. BC

PROSPECT LOCATION MAP

AUTHOR K. PARRY	SCALE 1:50,000	ENCLOSURE No
DATE JULY 1981	REVISED	FIG-105

WORK DONE:

Summary of Previous Work

The most recent work was in 1978 by Crows Nest Resources Limited under the supervision of J. Horachek. A comprehensive report and preliminary geological maps (1:10 000) were produced.

A reconnaissance report by N. P. Elphinstone was compiled in 1951 which deals briefly with the area.

Scope and Objectives of 1980 Exploration

The objectives of the 1980 program were:

- produce detailed geological maps of areas of mining potential
- establish detailed stratigraphic sections and attempt to correlate seams.
- provide preliminary indication of coal quality by analysis of trench samples.

Work Done in 1980

- Orientation mapping
- Reconnaissance at a scale of 1:5 000.
- Hand-Trenching; 22 on ridges for 108.4 m, 8 road exposures opened-up for 290 m.
- Sampling; 19 samples procured, analysis including, moisture, ash, and F.S.I.
- Location surveys: roads, geological control points and sample locations.

GEOLOGY:

Regional Geology: Enclosure 1, Volume 1: Table of Formations
 Enclosure 5, Volume 2: General Geological Map

Chauncey Ridge is within the Elk Valley Coal Field, centered on the Fording Syncline. The lower east and west slopes of the property include the lower Fernie Formation.

Stratigraphy

The Late Jurassic - early Cretaceous Kootenay Formation consists of the Moose Mountain, Coal Bearing and Elk Members in ascending order.

The Moose Mountain Member is a prominent cliff-forming horizon which crops out on the lower eastern slopes, and in one location on the west slope. The sandstone is coarse-grained with occasional conglomerate bands up to 0.5 m. It is thickly bedded and displays large scale cross-beds. The Moose Mountain Member is an easily mappable horizon and all work in 1980 was performed in the Coal-Bearing Member stratigraphy above it.

On Chauncey Ridge the Coal-Bearing Member is up to 560 m thick. The section includes sandstones, siltstones, and shales and at least 7 coal seams.

The Elk Member is the uppermost member of the Kootenay Formation and consists of prominent sandstone with interbedded siltstones, shales and minor coal horizons. It is not conglomeratic on the project area. The base of the first prominent sandstone unit above the uppermost major coal seam was mapped as the Coal Bearing Member-Elk Member contact.

Geological Structure

Chauncey Ridge is a portion of the Fording Syncline. The ridge and upper slopes are formed by the resistant Elk Member. The lower slopes encompass the complete Coal Bearing Member and the Moose Mountain Member. The east slope displays several large scale thrust-fault repeats, one repeating the Moose Mountain Member and the other repeating the Elk Member. No major faults are noted on the west slopes.

Coal Geology

Work on the east ridges of Chauncey Ridge indicate from 17 m to 21 m of coal in a total section varying from 450 m to 560 m. The thickest seam encountered was 6.0 m. On two of the five ridges mapped in detail, exposure was greater than 75% and one of these was checked with pot-holing (holes roughly 0.3 m wide dug down to bed-rock) every 2 m to test for buried coal. This ridge (CENTRAL, Enclosure 3, Volume 1) includes 21.3 m of measured coal leaving a possible error factor of one 5 m seam (?).

On the west side of Chauncey Ridge, B.C. Coal constructed an exploration access road in 1979. The road goes up section from just above the Moose Mountain Member to within 100 m stratigraphically of the Elk Member. A total of seven seams were exposed on the road for a cumulative thickness of 39.4 m. One more exposure was noted in a railroad cut approximately 60 m up from the Moose Mountain sandstone. The coal zone is up to 11 m with at least three seams totaling + 6 m of coal.

MINEABILITY, COAL RESERVES AND QUALITY

There has not been enough exploration done to assess mineability. The only potential may be an underground project (against gravity transportation) on the west side of Chauncey Ridge.

Nineteen hand trench samples were procured. Their analyses are not yet completed though medium volatile bituminous coal is expected (Enclosures 2-4, Volume 1: Coal Quality Summary).

RECOMMENDATIONS FOR FURTHER WORK

Chauncey Ridge is a medium to long range project. More exploration on foot is needed to determine the reason for the small amount of coal on the east slopes, and to measure the one thick seam on the west side. Mapping should be concentrated on the west side in order to predict the geometry of this seam and to assess mineability.

PREVIOUS REPORTS AND SELECTED BIBLIOGRAPHY

Elphinstone, N.P., 1951. Report on the Former Imperial Coal and Coke Properties of the Upper Elk Valley : C.N.I.

Gibson, D.W., 1977. Sedimentary Facies in the Jura-Cretaceous Kootney Formation, Crownest Pass Area, Southwestern Alberta and Southeastern British Columbia : Bull Can. Petroleum Geology, v. 25, No. 4, p. 767 - 791.

Horachek, J. and Fietz, D., 1979. Report on Coal Licences 264 - 276 inclusive : C.N.R.L. unpublished report.

TABLE OF FORMATIONS

	PERIOD OR EPOCH	FORMATION	LITHOLOGY	THICKNESS (m)
ERA	Lower Cretaceous	Cadomin Fm.	non-marine: sandstone, conglomerate and shale	300 - 1980
MESOZOIC	LOWER CRETACEOUS AND JURASSIC	KOOTENAY FORMATION	Pocaterra Creek Member	non-marine: sandstones, conglomerate siltstone & shale
			ELK MEMBER	non-marine: interbedded medium to coarse grain sandstone, chert-pebble conglomerate with minor siltstone, shale and coal
			COAL BEARING MEMBER	non-marine & brackish: interbedded coal, siltstones, shales and sandstones
			BASAL SANDSTONE UNIT OR MOOSE MOUNTAIN MEMBER (MMM)	non-marine: massive, cliff-forming sandstone
	JURASSIC	FERNIE FM.	marine: shale, siltstone, sandstone & limestone	180 - 380

CHAUNCEY RIDGE

COAL QUALITY SUMMARY

WEST RIDGE

SAMPLE NO.	m ABOVE MOOSE MOUNTAIN	TRUE THICKNESS (m)	(RAW A.D.B.)		
			% MOIST	% ASH	FSI
COB 11 S	-	3.59	4.34	16.15	0
COB 12 S	-	7.25 ?	No sample	No sample	No sample
COB 13 S	-	3.02	7.10	19.81	0
COB 14 S	-	1.49	4.50	30.35	0
COB 15 S	-	2.19	3.84	36.49	0
COB 16 S	-	6.42	3.32	4.96	0
COB 17 S	295	16.0 ?			
TOTAL		39.36			

CHAUNCEY RIDGE
COAL QUALITY SUMMARY

EAST RIDGE (NORTH)

SAMPLE NO.	m ABOVE MOOSE MOUNTAIN	TRUE THICKNESS (m)	(RAW A.D.B.)		
			% MOIST	% ASH	FSI
COB 3 S	585	0.97	2.32	21.12	0
COB 4 S	425	5.35	3.69	16.57	0
COB 5 S	375	4.36	3.30	18.06	0
COB 6 S	360	4.36	3.32	21.00	0
COB 7 S	320	2.20	3.30	24.95	0
TOTAL		17.51			

EAST RIDGE (CENTRAL)

SAMPLE NO.	m ABOVE MOOSE MOUNTAIN	TRUE THICKNESS (m)	(RAW A.D.B.)		
			% MOIST	% ASH	FSI
COB 1,2 S	580	6.0	2.87	11.06	0
COB 1 S	470	1.5	3.18	12.94	0
COB 2 S	440	2.37	2.15	28.43	0
COB 3 S	360	3.69	3.51	10.48	0
COB 4 S	220	4.77	2.62	23.72	0
COB 5 S	10	2.99	3.95	15.48	0
TOTAL		21.32			

CHAUNCEY RIDGE

COAL QUALITY SUMMARY

EAST RIDGE (SOUTH)

SAMPLE NO.	m ABOVE MOOSE MOUNTAIN	TRUE THICKNESS (m)	(RAW A.D.B.)		
			% MOIST	% ASH	FSI
COB 10 S		2.95	3.34	9.45	0



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

APPLICATION TO EXTEND TERM OF LICENCE

I, Bolton Agnew agent for Shell Canada Resources Limited
(Name) (Name)
P.O. Box 100
(Address) (Address)
Calgary, Alberta, T2P 2H7

Valid FMC No. 207568

hereby apply to the Minister to extend the term of Coal Licence(s) No(s) 264 to 276 Incl.,
13 E.C. Crown Coal Licences; 3173 Hectares.

for a further period of one year.

2. Property name North Block, Group No. 214, Kootenay Land District

3. I am allowing the following Coal Licence(s) No(s) to forfeit N/A

4. I have performed, or caused to be performed, during the period January 30, 1980 to
January 31, 1981 work to the value of at least \$ 172,422.98

on the location of coal licence(s) as follows:

CATEGORY OF WORK

CATEGORY OF WORK	Licence(s) No(s).	Apportioned Cost
Geological mapping	265 - 276 Incl.	\$102,962.07
Surveys: Geophysical		
Geochemical		
Other - Geodetic	265 - 273, 276	18,900.00
Road construction		
Surface work - Trench	272, 273	32,085.93
Underground work		
Drilling		
Logging, sampling, and testing	265 - 273, 276	4,950.00
Reclamation	272, 273	Included in Surface Work
Other work (specify)		
Off-property costs		13,524.98

5. I wish to apply \$ 172,422.98 of this value of work on Coal Licence(s) No(s) 264 to 276 Incl.

6. I wish to pay cash in lieu of work in the amount of \$ N/A on Coal Licence(s) No(s).

7. The work performed on the location(s) is detailed in the attached report entitled North Block Geological
Reports '80 will be submitted in ninety days.

1981.01.28

(Date)

(Signature)

Land Supervisor

(Position)

(FORMS AND REPORT TO BE SUBMITTED IN DUPLICATE)

Enclosure 5

CATEGORY OF WORK

GEOLOGICAL MAPPING

Yes No

	Area (Hectares)	Scale	Duration
Reconnaissance	1425	1:10,000	
Detail: Surface	1750	1:5,000	256 Man-Days
Underground			
*Other (specify)			
			Total Cost \$ 102,962.07

GEOPHYSICAL/GEOCHEMICAL SURVEYS

Yes No

Method

Grid

Topographic ... LPPRTRIP SURVEYS

*Other (specify)

Total Cost \$ 18,900.00

ROAD CONSTRUCTION

Yes No

Length Width

On Licence(s) No(s)

Access to

Total Cost \$

SURFACE WORK

Yes No

	Length	Width	Depth	Cost
Trenching (Backhoe)	65 m	1 m	1 m	
Seam Tracing				
Crosscutting				
*Other (specify)				
Trenching (by Hand)	1,270 m	1 m	1 m	
				Total Cost \$ 32,085.93

UNDERGROUND WORK

Yes No

	No. of Adits	Maximum Length	No. of Holes	Total Metres	Cost
Test Adits					
*Other workings					
					Total Cost \$

DRILLING

Yes No

	Hole Size	No. of Holes	Total Metres	Cost
Core: Diamond				
Wireline				
Rotary: Conventional				
Reverse circulation				
*Other (specify)				
Contractor				
Where is the core stored?				
				Total Cost \$

LOGGING, SAMPLING AND TESTING

Yes No

Lithology: Drill samples	<input type="checkbox"/>	Core samples	<input type="checkbox"/>	Bulk samples	<input type="checkbox"/>
Logs: Gamma-neutron	<input type="checkbox"/>	Density	<input type="checkbox"/>		
*Other (specify)					
Testing: Proximate analysis	<input checked="" type="checkbox"/>	FSI	<input checked="" type="checkbox"/>	Washability	<input checked="" type="checkbox"/>
Carbonization	<input type="checkbox"/>	Petrographic	<input type="checkbox"/>	Plasticity	<input type="checkbox"/>
*Other (specify)					

To Date Total Cost \$ 4,950.00

OTHER WORK (specify details)

.....

.....

.....

Total Cost \$

On-property costs \$ 158,898.00

To Date Off-property costs 13,524.98

To Date Total Expenditures \$ 172,422.98

1981.01.28
(Date)

W. J. Koronicki
(Signature)

Manager - Accounting CNRL
(Position)

*A full explanation of other work is to be included.

K-Shell Chauncy Ridge 80(2)A



382

Date: DECEMBER 1, 1980

To: CROWNEST RESOURCES LIMITED (CRL)

From: SHELTECH CANADA

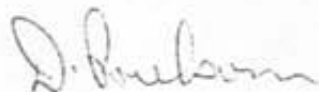
Subject: NORTH BLOCK 4051M S.E. BRITISH COLUMBIA
REPORT ON LOCATION SURVEY

All survey work done in the North Block area was based on the Crownest Control Network established in spring of 1980 and using July 14, 1980 coordinates 'North' and 'Little' were the two stations mostly used, however three minor control stations from Banner (80-BAN #2, 80-BAN #3, 80-BAN #4) were also used and these were also established from the above mentioned Crownest Control network. Good precision was obtained.

From these control points, 42 geological control points, and 124 traverse stations were established from which 9.4 km of old road was surveyed. Also 10 outcrops were picked up.

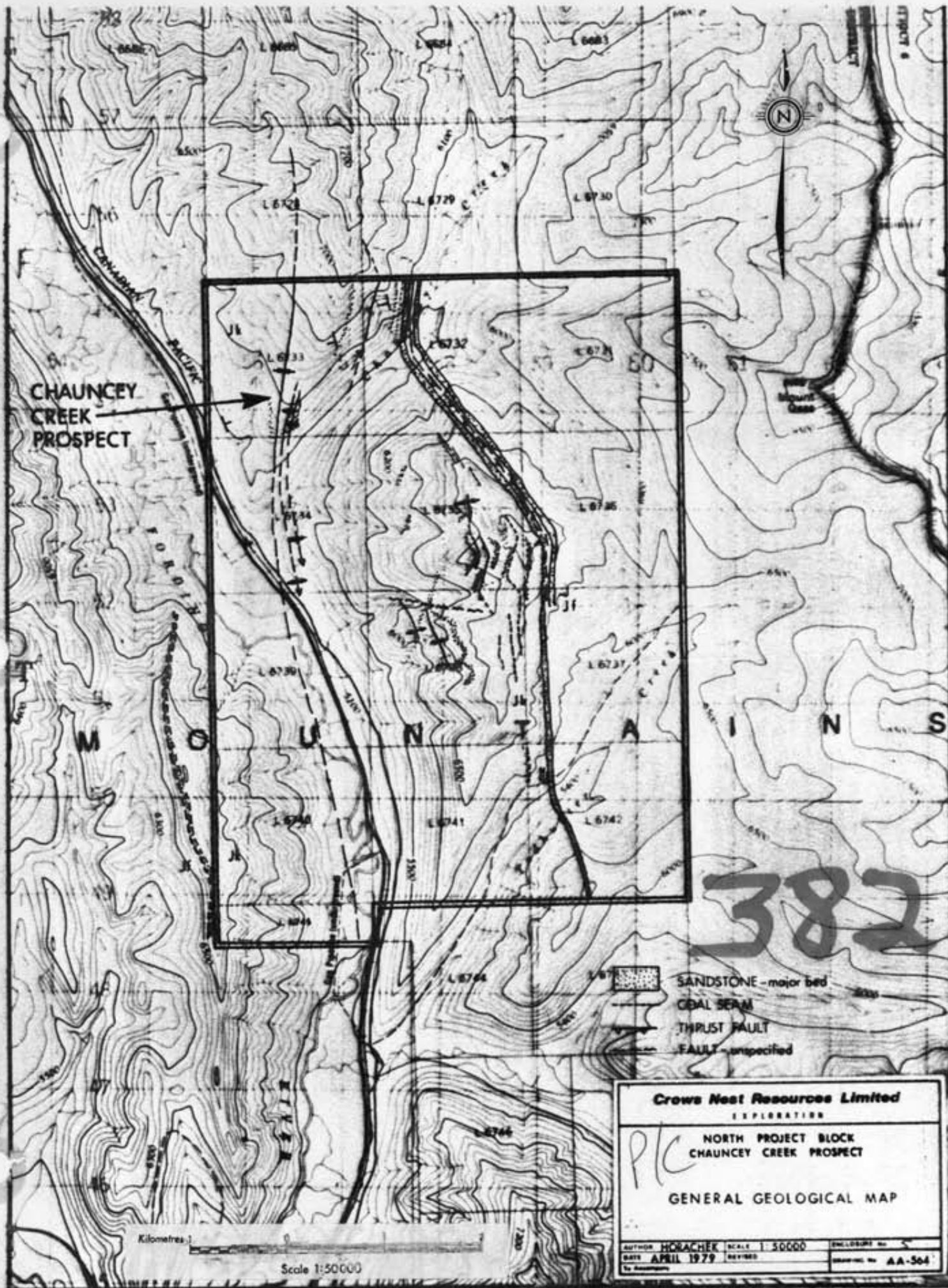
Conventional survey methods using both a 1" and a 20" theodolite and electronic distance measuring equipment were used to obtain survey data. Calculations were done using the TI system with distances reduced to plane and bearings referenced to 117° W. The results were given to CRL personnel in both tabular and plan form.

The survey cost attributed to the North Block area was approximately \$17,800.



D. Poulson

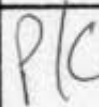
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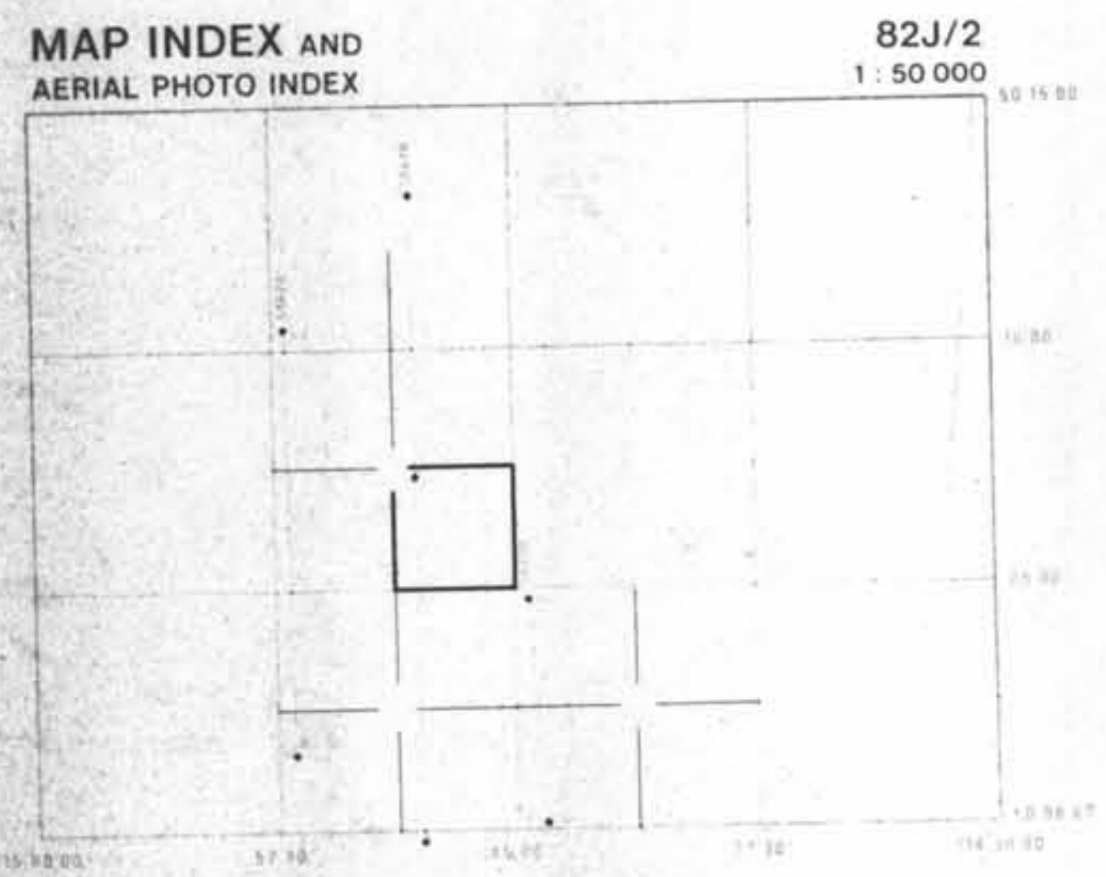
CHAUNCEY
CREEK
PROSPECT

382

-  SANDSTONE - major bed
-  COAL SEAM
-  THRUST FAULT
-  FAULT - unspecified

Crows Nest Resources Limited	
EXPLORATION	
 NORTH PROJECT BLOCK CHAUNCEY CREEK PROSPECT	
GENERAL GEOLOGICAL MAP	
AUTHOR: HORACHER	SCALE: 1:50000
DATE: APRIL 1979	REVISED:
FOR ASSOCIATION:	DRAWING NO: AA-504

Kilometres:  Scale 1:50000



REFERENCE

MAIN ROAD	INTERM. TENT RIVER	TRIED AREA
SECONDARY ROAD	RAILWAY	LINE OF TREES
TRACK OR TRAIL	BRIDGE CULVERT	INDIVIDUAL TREES
RAILWAY	CUT FILL	VERTICAL INTERVAL
HEDGE FENCE	DRAIN	DEPRESSION
BRIDGE CULVERT	DRILL HOLE	SPOT HEIGHT
CUT FILL	CONTROL POINT	
DRAIN		

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.

LEGEND

x	SURVEY POINTS
BOB 147	TRENCH & NUMBER (T)
BOB 545	TRENCH & SAMPLE (S)

METRES 100 0 100 200 300 400 500

SCALE 1:5 000
CONTOUR INTERVAL: 5 METRES
DATE OF PHOTOGRAPHY: JUNE/JULY, 1978

Crows Nest Resources Limited
EXPLORATION

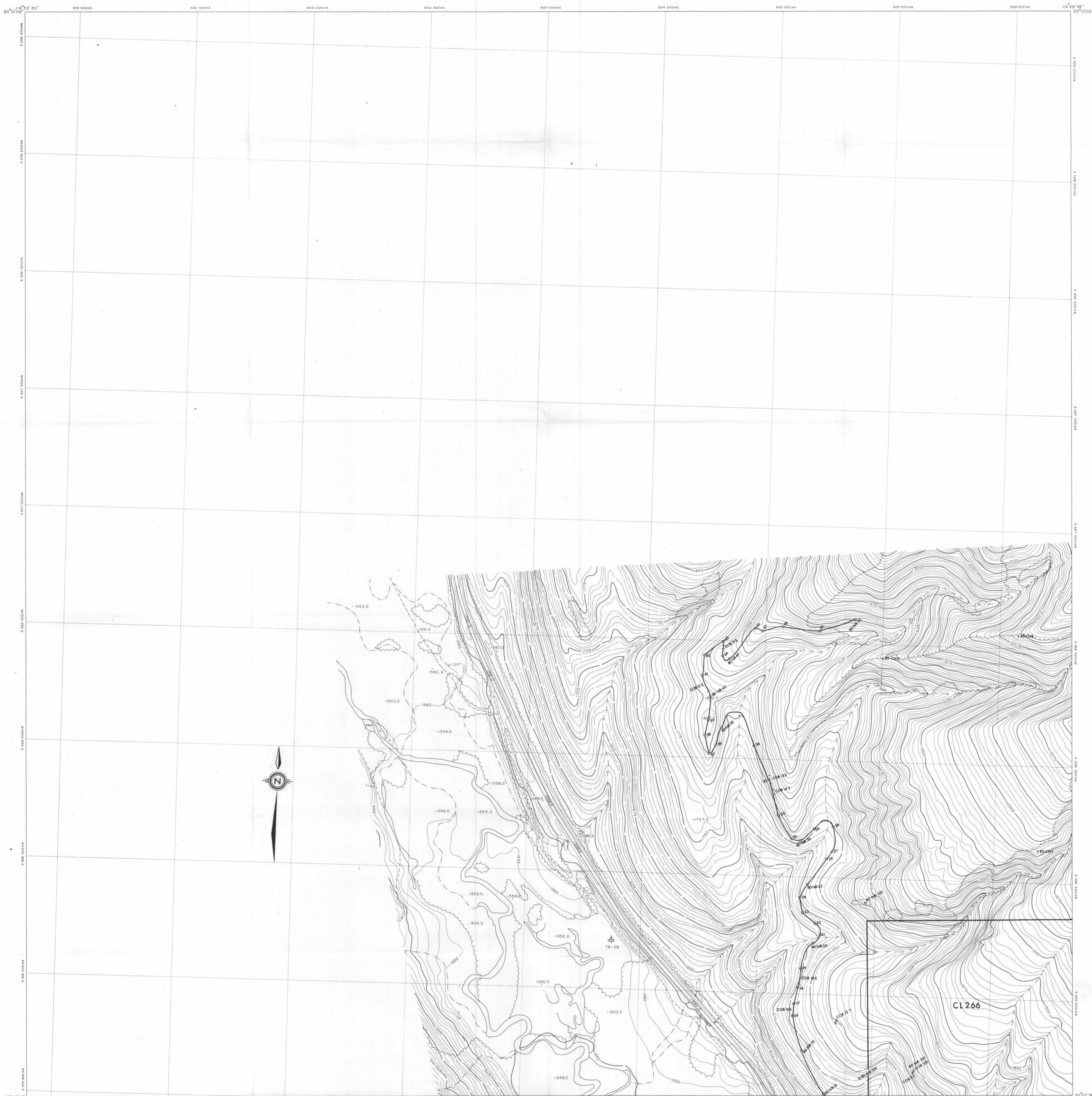
CHAUNCEY RIDGE S.E. B.C. **BARE MOUNTAIN**
(MAPS 3 of 3) (MAPS 1 of 1)

GENERAL INFORMATION BASE MAP

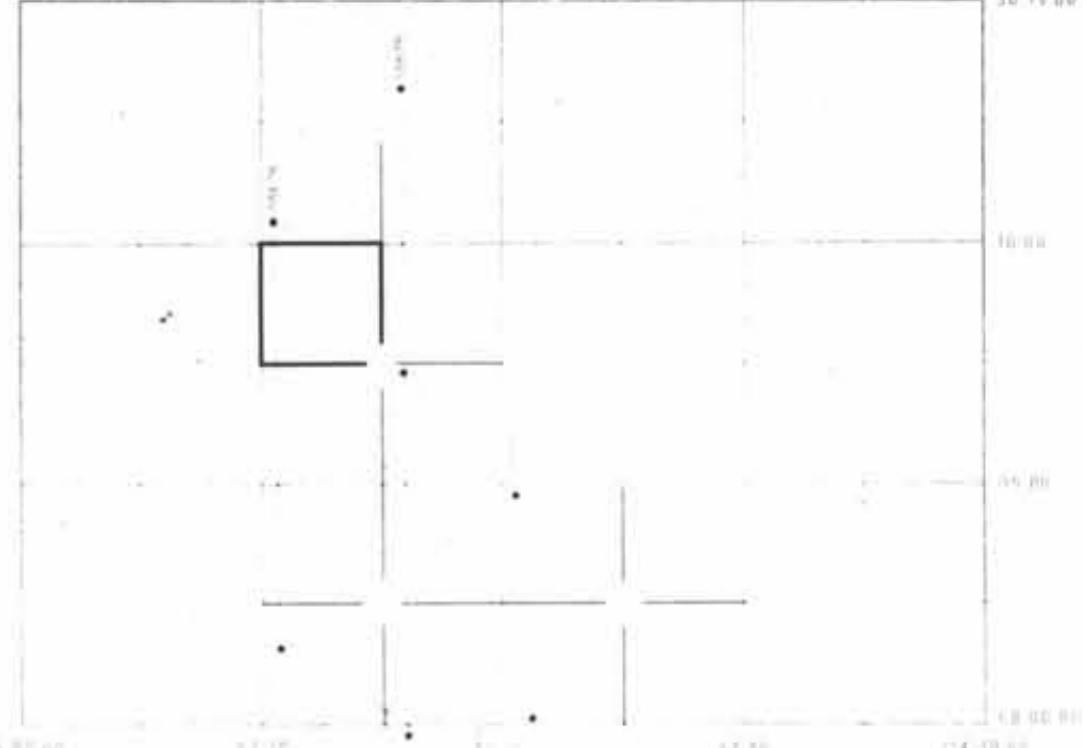
382

AUTHOR: E. MORRIS	SCALE: 1:5 000	ENCLOSURE No: 6
DATE: APRIL, 1981	REVISED:	DRAWING No: HD-378
To Accompany		

K-Shell-Chauncey Ridge 82J/2



MAP INDEX AND AERIAL PHOTO INDEX 82J/2 1:50 000



REFERENCE

MAIN ROAD	—	RIVER, LAKE	—
SECONDARY ROAD	- - -	INTERM. TENT RIVER	—
TRACK OR TRAIL	—	TREED AREA	—
RAILWAY	—	LINE OF TREES	—
HEDGE FENCE	—	INDIVIDUAL TREES	—
BRIDGE CULVERT	—	VERTICAL INTERVAL	—
CUT FILL	—	DEPRESSION	—
SWAMP	—	SPOT HEIGHT	—
DRILL HOLE	—	CONTROL POINT	—

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.

LEGEND

X	SURVEY STATIONS
O	ROAD SURVEY
○	COB II'S SAMPLE SITE
○	COB I TRENCH SITE

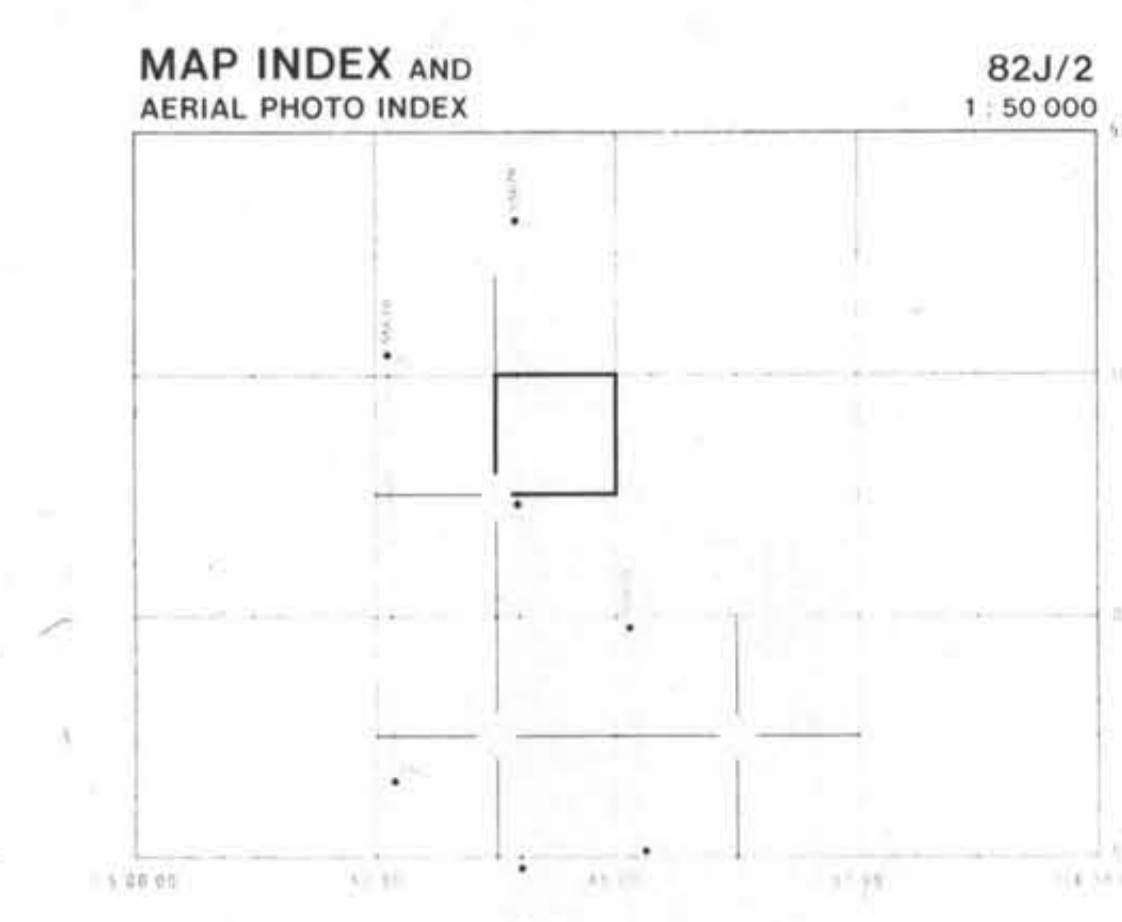
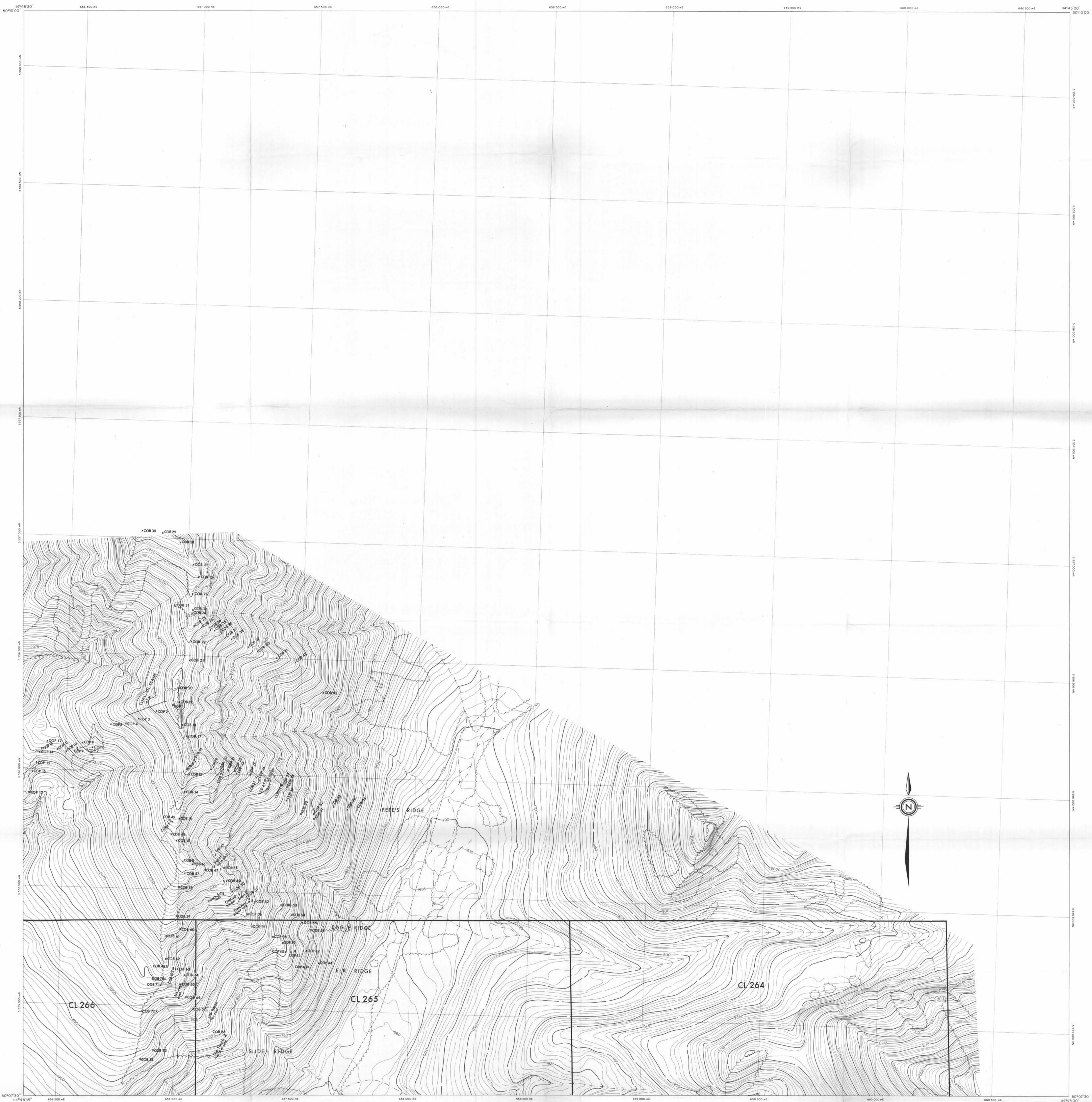
CROWS NEST RESOURCES LIMITED
CHAUNCEY RIDGE (MAP 1 of 3)
SOUTH EAST BRITISH COLUMBIA
GENERAL INFORMATION BASE MAP

SCALE 1:5 000
CONTOUR INTERVAL: 5 METRES
DATE OF PHOTOGRAPHY: JUNE/JULY, 1978

AUTHOR: B. MORRIS DATE: APRIL, 1981 DRAWING NO. HK-23 C
82 J 2 NORTH WEST ZONE F

382

End. 6
E. Skell. Chauncey Ridge, B.C. 112-23C



82J/2
1:50 000

REFERENCE

MAIN ROAD	---	RIVER, LAKE	
SECONDARY ROAD	- - -	INTERMEDIATE RIVER	
TRACK OR TRAIL	...	TREED AREA	
RAILWAY	—+—+—+—	LINE OF TREES	
HEDGE FENCE	- · - · -	INDIVIDUAL TREES	
BRIDGE CULVERT		VERTICAL INTERVAL	
CUT FILL		DEPRESSION	
SWAMP		SPOT HEIGHT	
DRILL HOLE		CONTROL POINT	

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.

LEGEND

X	SURVEY STATIONS
⊙	ROAD SURVEY
COB 11 S	SAMPLE SITE
COB 11 T	TRENCH SITE

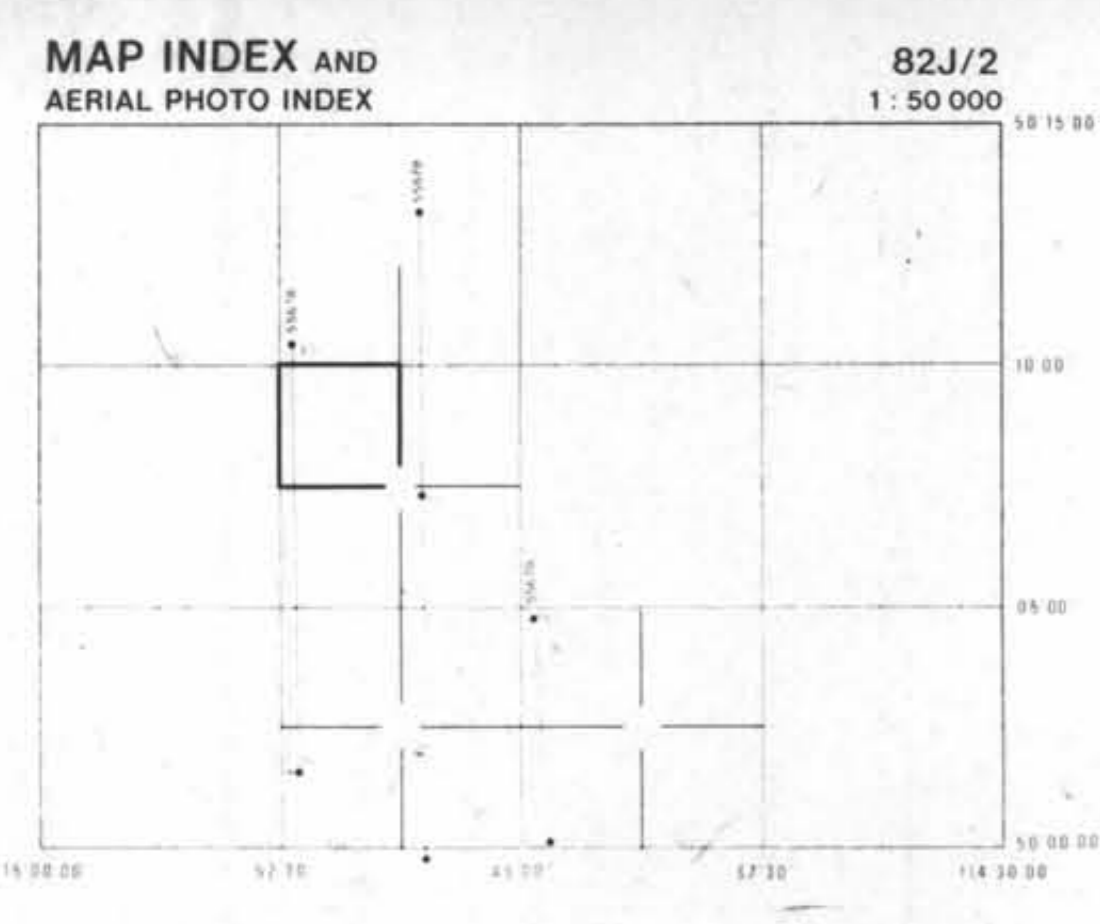
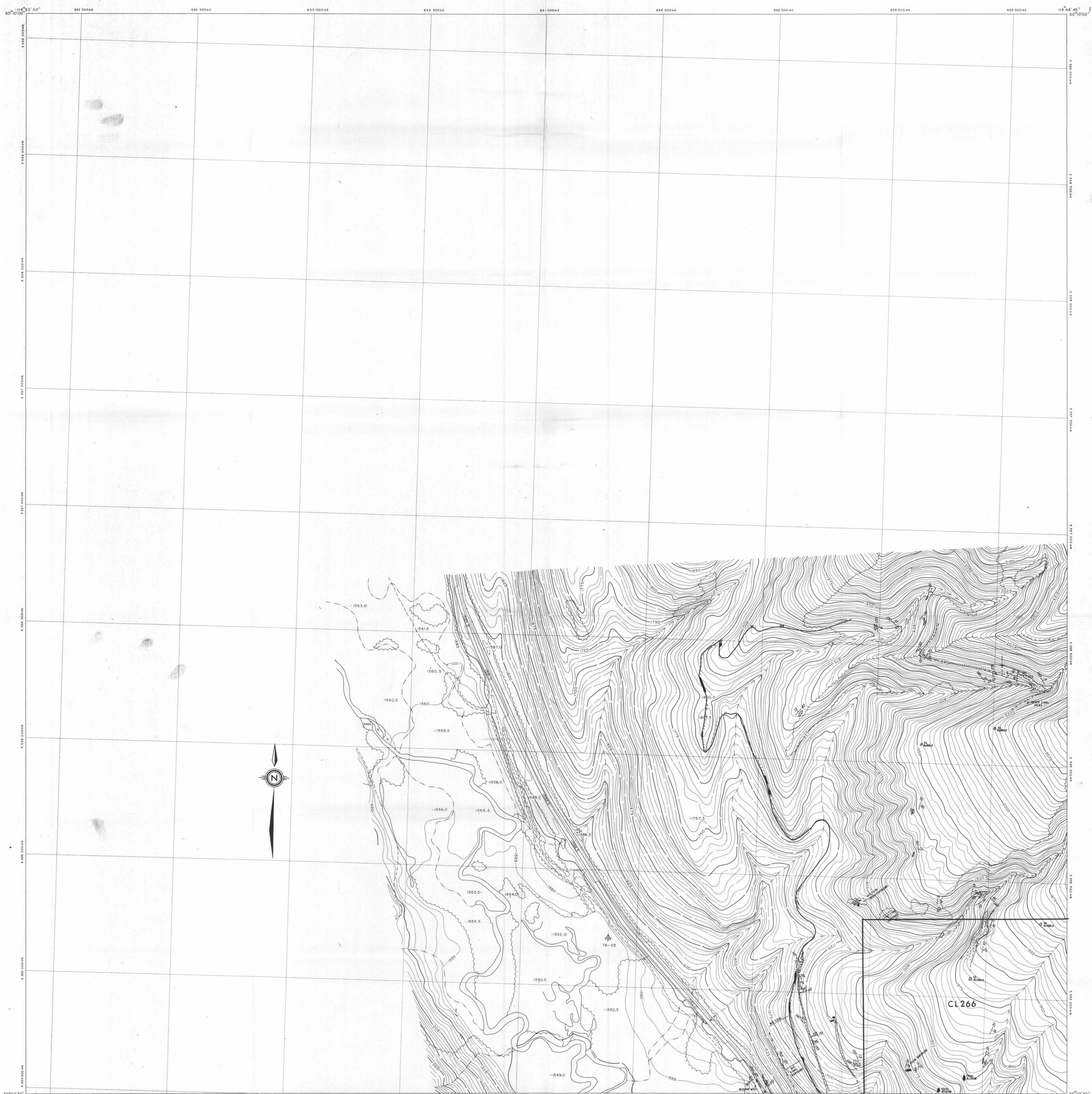
CROWS NEST RESOURCES LIMITED
CHAUNCEY RIDGE (MAP 2 of 3)
SOUTH EAST BRITISH COLUMBIA
GENERAL INFORMATION BASE MAP

SCALE 1:5 000
CONTOUR INTERVAL: 5 METRES
DATE OF PHOTOGRAPHY: JUNE/JULY, 1978

82 J 2 NORTH EAST ZONE F

382

AUTHOR: B. MORRIS DATE: APRIL, 1981 DRAWING NO. HK-23D
K-Shell Chauncey Ridge 80(3)A
HK 23D



REFERENCE

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

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.
JOB NO. 75-100

LEGEND

	SEAM NUMBERS		BEDDING ATTITUDE
	ROADS		JOINT ATTITUDE
	AIR PHOTO INTERPRETATION		SLIKENSIDE, STRIATION
	GEOLOGICAL CONTACT OBSERVED, INFERRED		ANTICLINE
	ROAD GEOLOGY REPRESENTED BY SMALL SLASHES SEPARATING LITHOLOGIES		SYNCLINE
	THRUST FAULT		
	NORMAL FAULT		
	COAL		
	SANDSTONE		
	SILTSTONE		
	SHALE		
	CONGLOMERATE		

CROWS NEST RESOURCES LIMITED
CHAUNCEY RIDGE (MAP 1 of 4)
SOUTH EAST BRITISH COLUMBIA
GEOLOGY BASE

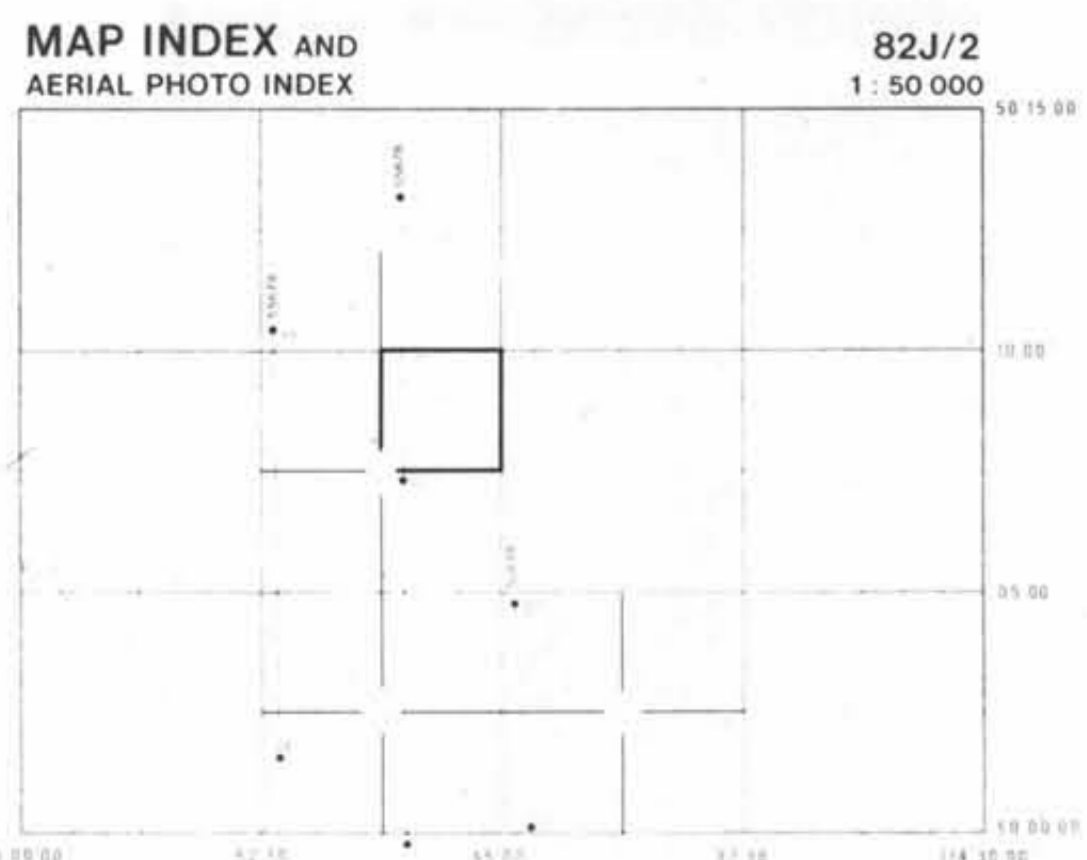
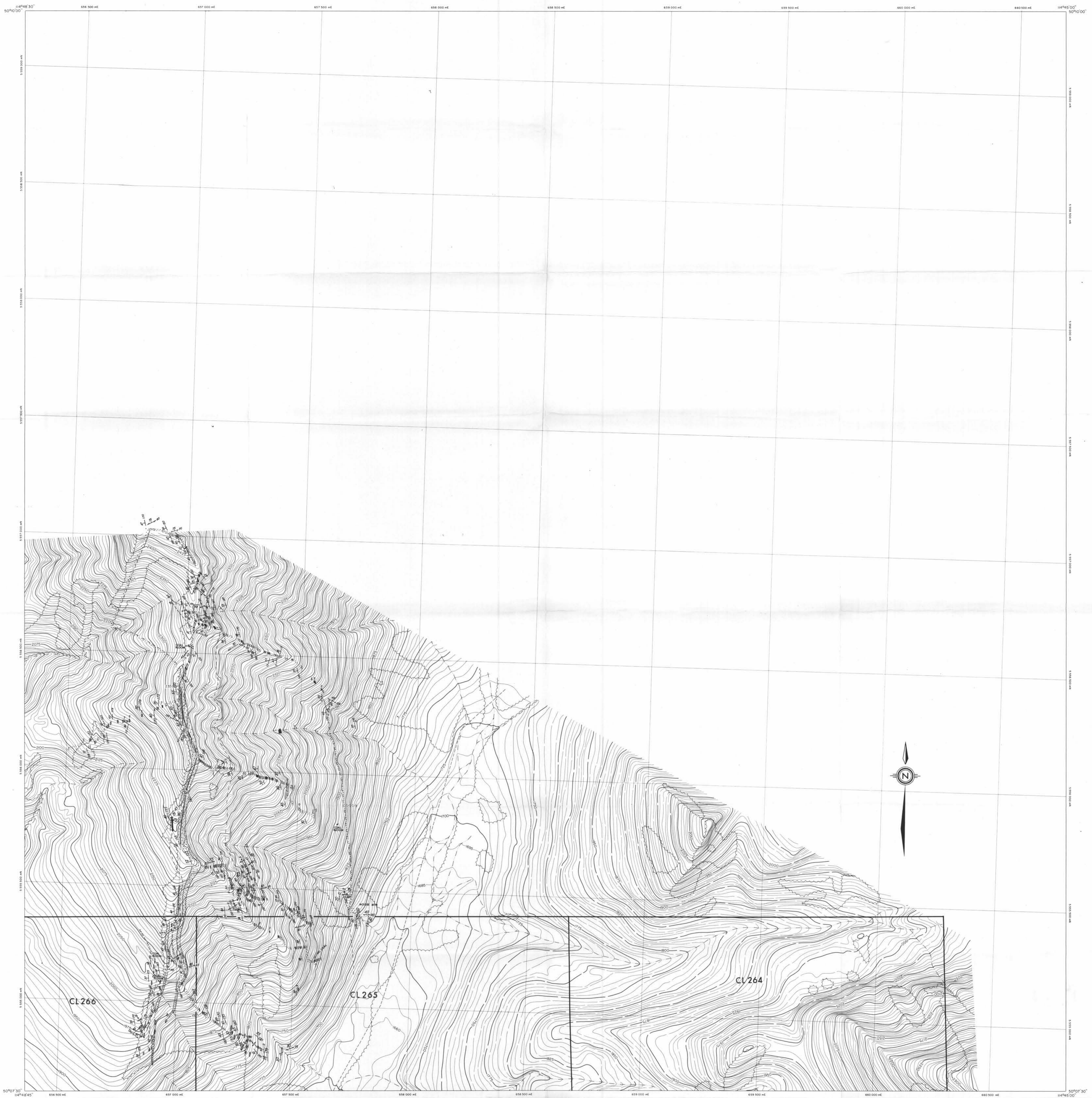
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SCALE 1:5 000
CONTOUR INTERVAL: 5 METRES
DATE OF PHOTOGRAPHY: JUNE/JULY, 1978

AUTHOR: S. MORRIS DATE: APRIL 1981 DRAWING NO. HK-23C
82 J 2 NORTH WEST ZONE F

382

HK-23C

K-Sell - Chauncey Ridge (B.C.)



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	~~~~~
CUT FILL	-----	DEPRESSION	~~~~~
SWAMP	-----	SPOT HEIGHT	~~~~~
DRILL HOLE	△	CONTROL POINT	△

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.

LEGEND

①	SEAM NUMBERS	170	BEDDING ATTITUDE
---	ROADS	170	JOINT ATTITUDE
---	AIR PHOTO INTERPRETATION	170	SLIKENSIDE, STRIATION
---	GEOLOGICAL CONTACT OBSERVED, INFERRED	170	ANTICLINE
---	ROAD GEOLOGY REPRESENTED BY SMALL SLASHES SEPARATING LITHOLOGIES	170	SYNCLINE
---	THRUST FAULT	170	
f	NORMAL FAULT	170	
■	COAL		
□	SANDSTONE		
□	SILTSTONE		
□	SHALE		
□	CONGLOMERATE		

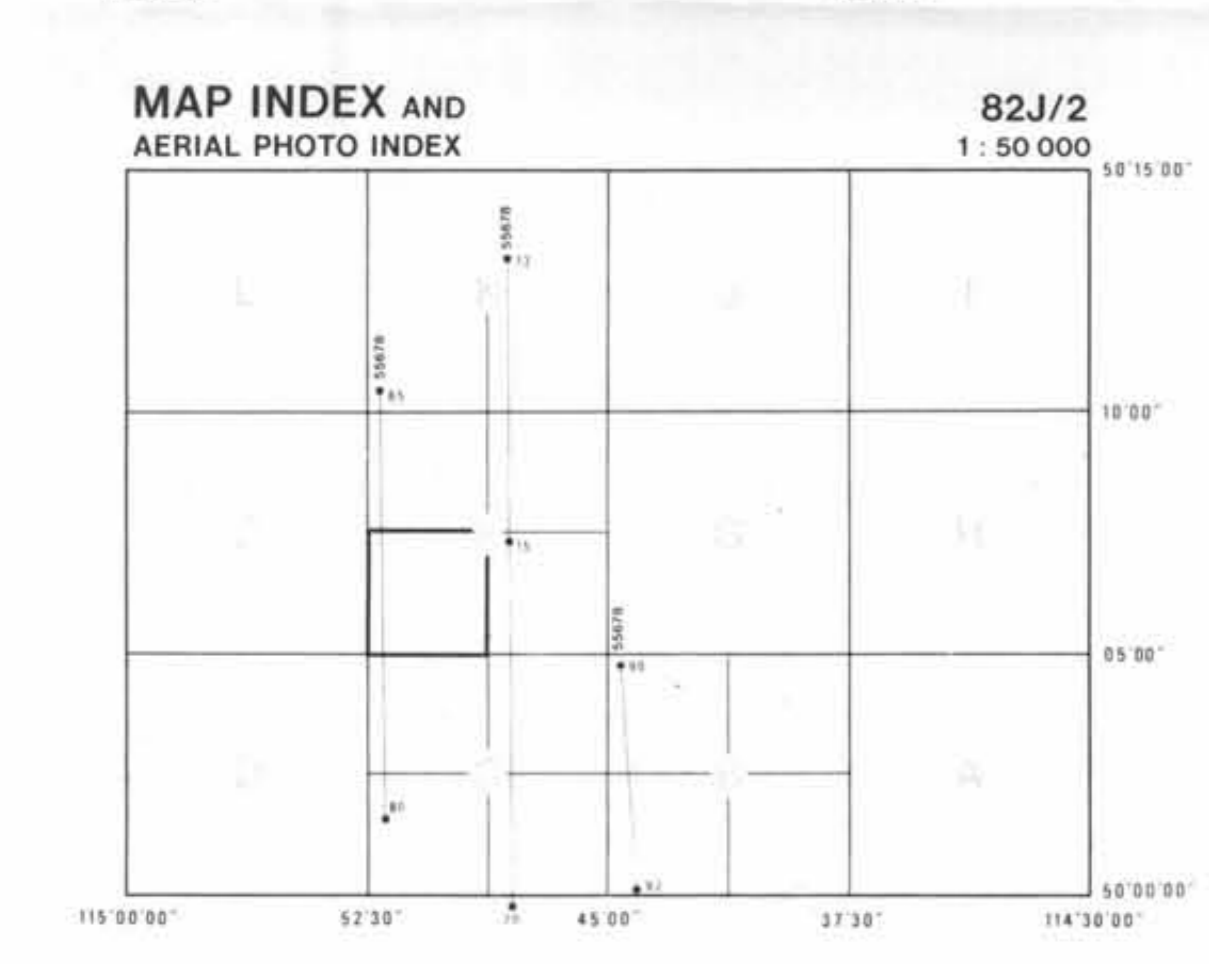
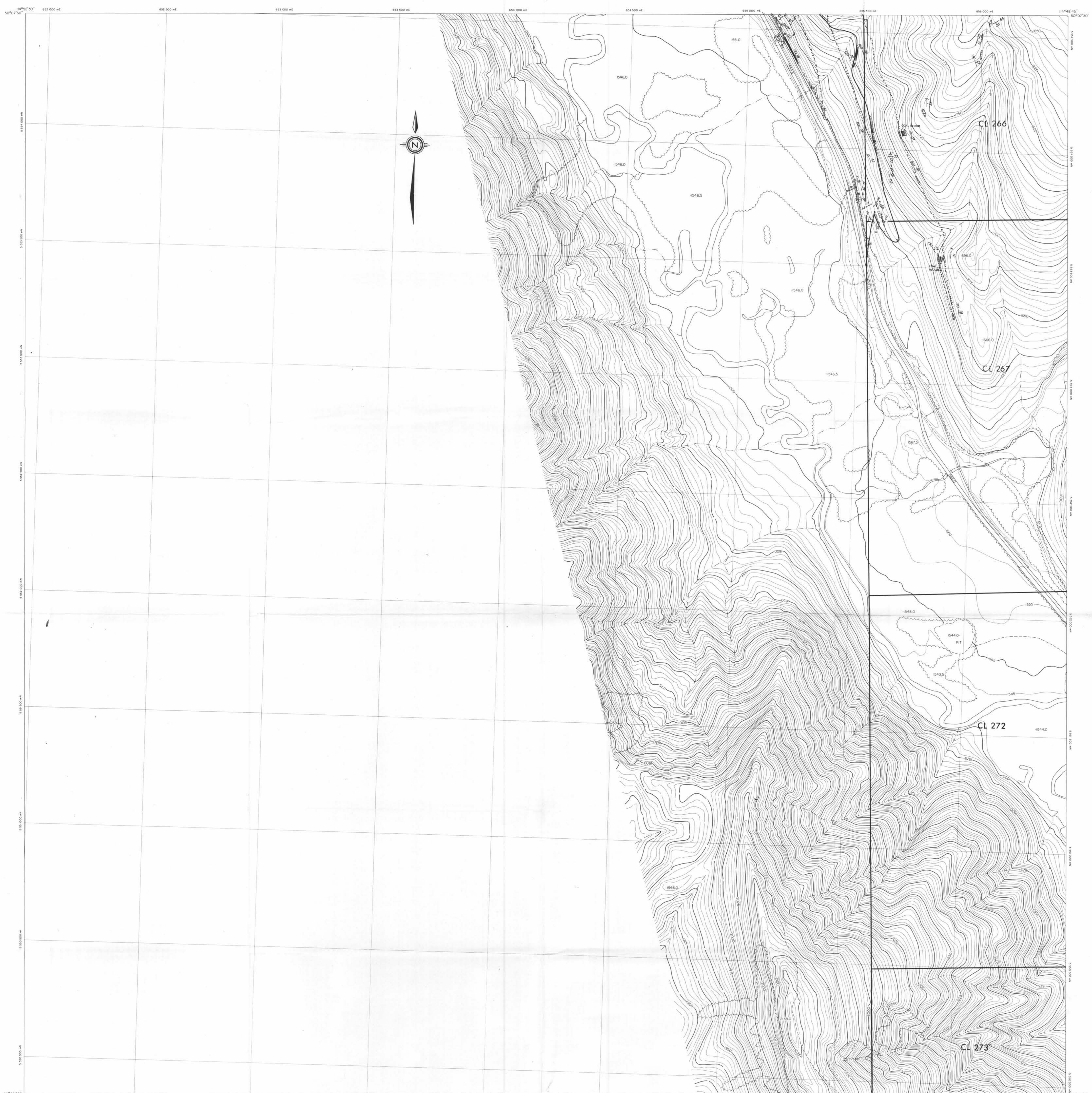
CROWS NEST RESOURCES LIMITED
CHAUNCEY RIDGE (MAP 2 OF 4)
SOUTH EAST BRITISH COLUMBIA
GEOLOGY BASE

SCALE 1:5 000
CONTOUR INTERVAL: 5 METRES
DATE OF PHOTOGRAPHY: JUNE/JULY, 1978

82 J 2 NORTH EAST ZONE F

382

HK-23D
K-Shell-Chauncey Ridge 20(19)A



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	
CUT FILL		DEPRESSION	
SWAMP		SPOT HEIGHT	
DRIILL HOLE		CONTROL POINT	

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.
JOB NO. 18-184

LEGEND

	SEAM NUMBERS		BEDDING ATTITUDE
	ROADS		JOINT ATTITUDE
	AIR PHOTO INTERPRETATION		SLICKENSIDE, STRIATION
	GEOLOGICAL CONTACT OBSERVED, INFERRED		ANTICLINE
	ROAD GEOLOGY REPRESENTED BY SMALL SLASHES SEPARATING LITHOLOGIES		SYNCLINE
	THRUST FAULT		
	NORMAL FAULT		
	COAL		
	SANDSTONE		
	SILTSTONE		
	SHALE		
	CONGLOMERATE		

CROWS NEST RESOURCES LIMITED
CHAUNCEY RIDGE (MAP 3 of 4)
SOUTH EAST BRITISH COLUMBIA
GEOLOGY BASE

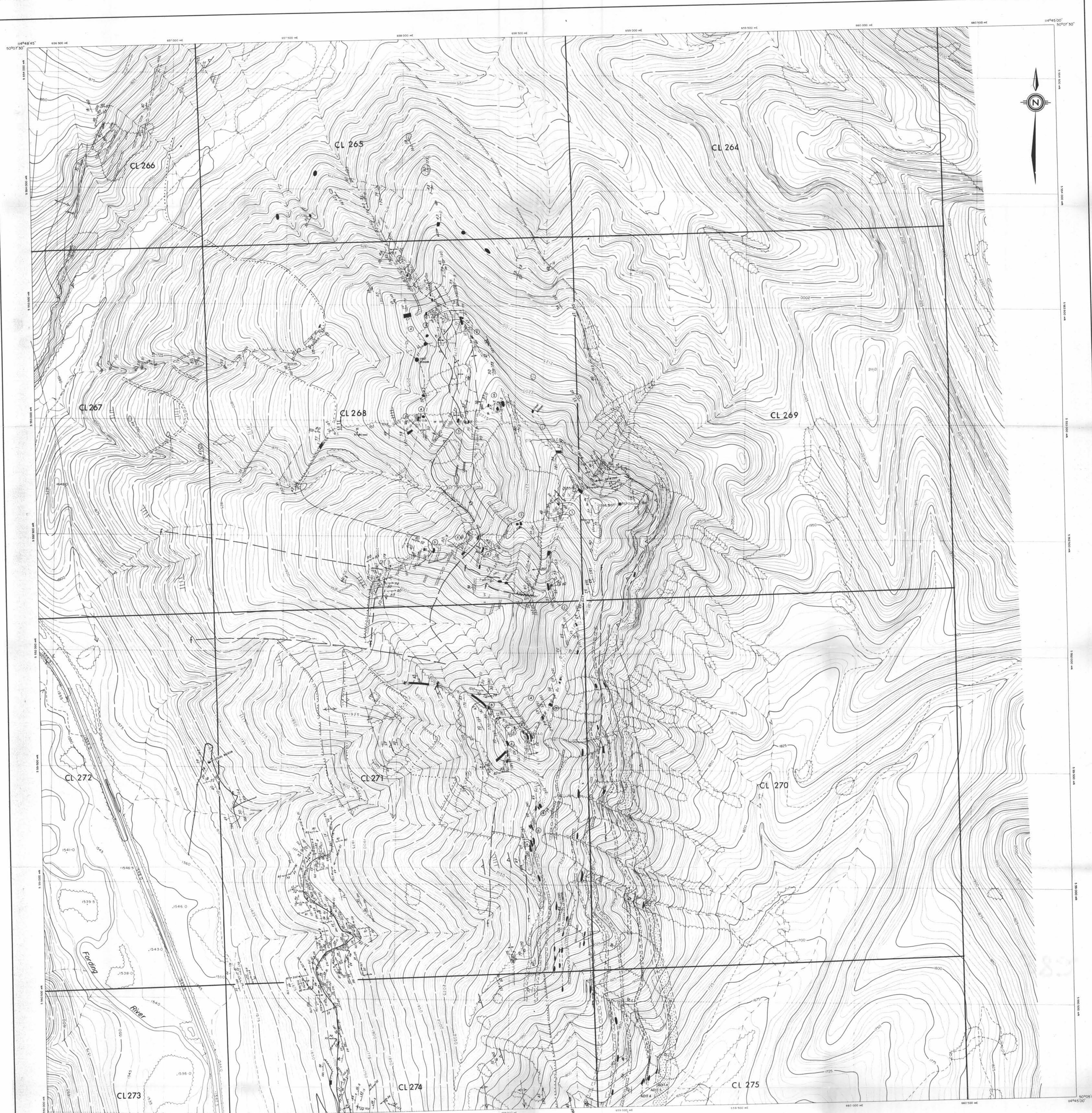


SCALE 1 : 5 000
CONTOUR INTERVAL : 5 METRES
DATE OF PHOTOGRAPHY : JUNE/JULY, 1978

382

AUTHOR: B. MORIS DATE: APRIL 1981 DRAWING NO. HI-23 A
82 J 2 SOUTH WEST ZONE F

41-234
K-Shell-Chauncey Ridge 80(2)A



MAP INDEX AND AERIAL PHOTO INDEX

82J/2
1:50 000

REFERENCE

MAIN ROAD	—	RIVER, LAKE	—
SECONDARY ROAD	- - -	INTERNAL TERT RIVER	—
TRACK OR TRAIL	- · - · -	TREED AREA	—
RAILWAY	—+—+—+—	LINE OF TREES	—
HEDGE FENCE	—x—x—x—	INDIVIDUAL TREES	—
BRIDGE CULVERT	—x—	VERTICAL INTERVAL	—
CUT FILL	—x—	SPOT HEIGHT	—
SWAMP	—x—	CONTROL POINT	—
DRILL HOLE	—		

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

PREPARED BY:
NORTH WEST SURVEY CORPORATION (YUKON) LTD.
JOB NO. 71-128

LEGEND

—○—	SEAM NUMBERS	—	BEDDING ATTITUDE
—	ROADS	—	JOINT ATTITUDE
- - -	AIR PHOTO INTERPRETATION	—	SLIKENSIDE, STRIATION
—	GEOLOGICAL CONTACT OBSERVED, INFERRED	—	ANTICLINE
—	ROAD GEOLOGY REPRESENTED BY SMALL SLASHES SEPARATING LITHOLOGIES	—	SYNCLINE
—	THRUST FAULT		
—	NORMAL FAULT		
■	COAL		
□	SANDSTONE		
□	SILTSTONE		
□	SHALE		
□	CONGLOMERATE		

SCALE 1:5 000
CONTOUR INTERVAL: 5 METRES
DATE OF PHOTOGRAPHY: JUNE/JULY, 1978

Crows Nest Resources Limited
EXPLORATION

CHAUNCEY RIDGE S.E. BC. BARE MOUNTAIN
(MAP 4 of 4) (MAP 1 of 2)

GEOLOGY BASE

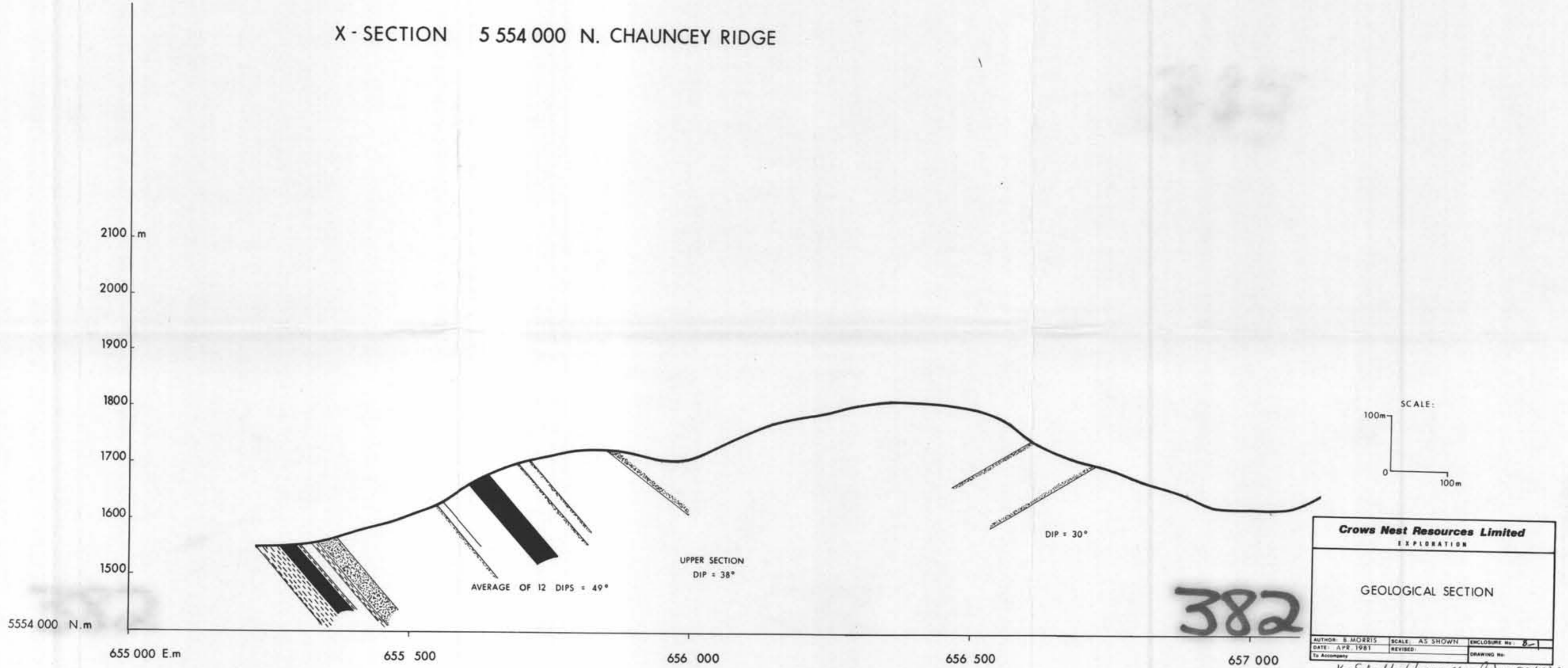
382

AUTHOR: B. MORRIS	SCALE: 1:5 000	ENCLOSURE No: 7
DATE: APRIL 1981	REVISED:	DRAWING No: HD-73
To Accompany:		

HK-23B

K. Shell Chauncey Ridge 50/6

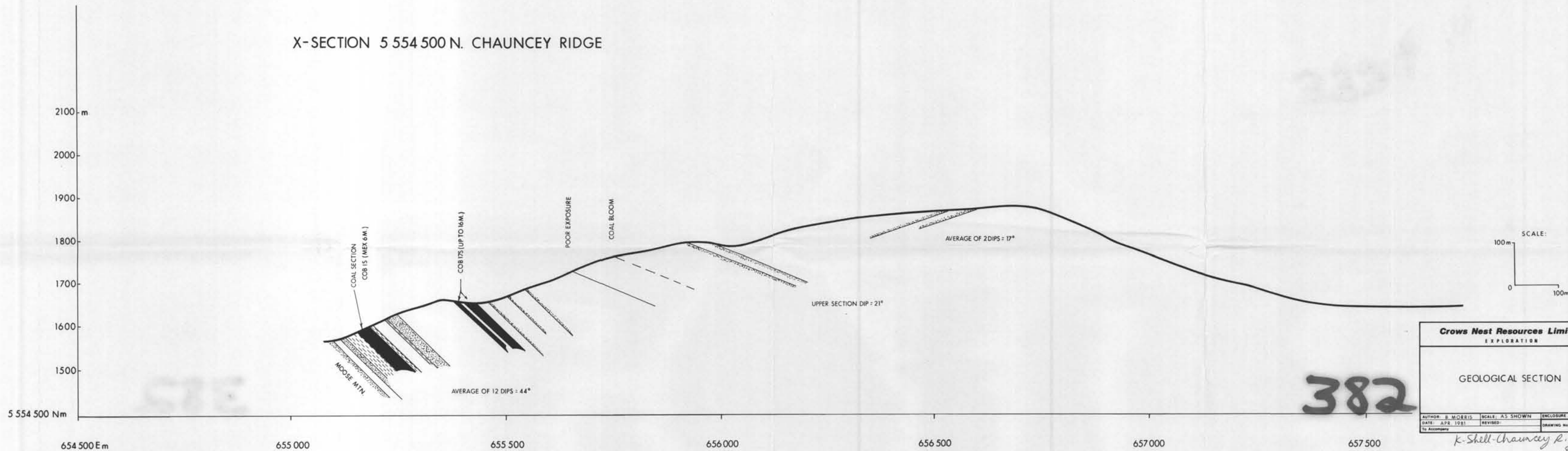
X - SECTION 5 554 000 N. CHAUNCEY RIDGE



382

K-Shell-Chauncey Ridge 80(2)A

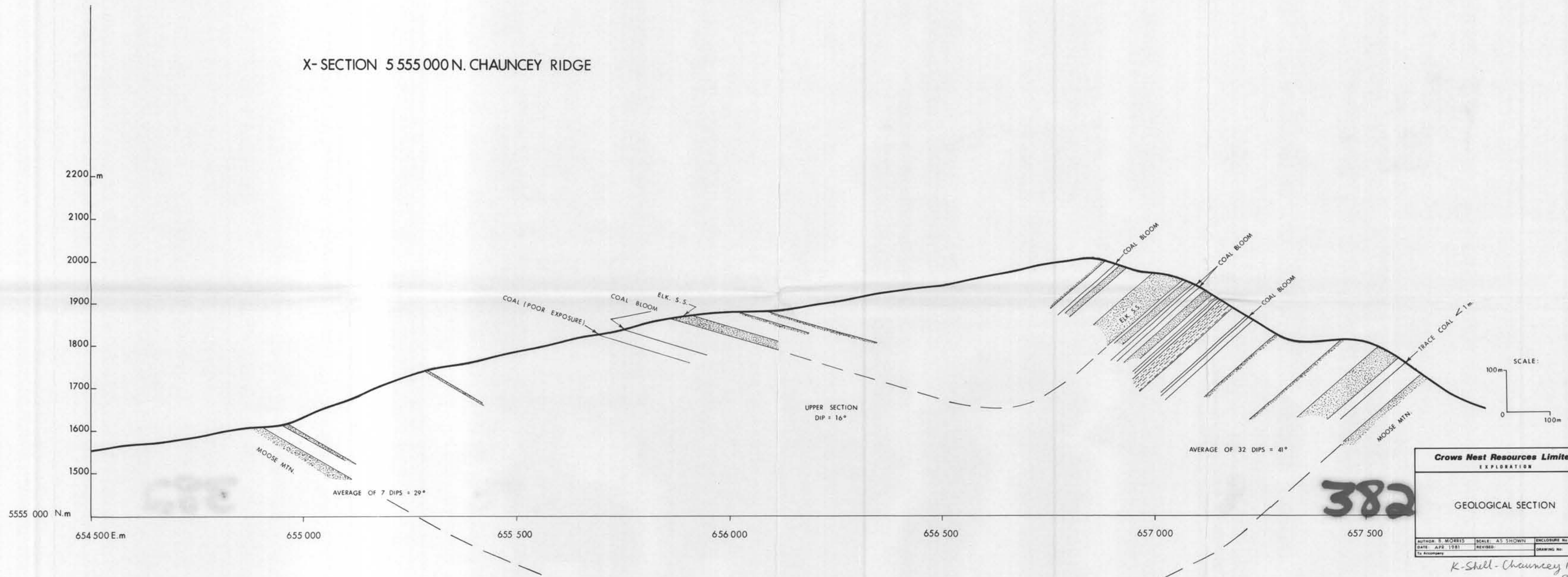
X-SECTION 5 554 500 N. CHAUNCEY RIDGE



Crows Nest Resources Limited		
EXPLORATION		
GEOLOGICAL SECTION		
AUTHOR: B MORRIS	SCALE: AS SHOWN	ENCLOSURE No: 8-2
DATE: APR 1981	REVISED:	DRAWING No:
To Accompany		

K-Shell-Chauncey Ridge
80(2)A

X-SECTION 5 555 000 N. CHAUNCEY RIDGE

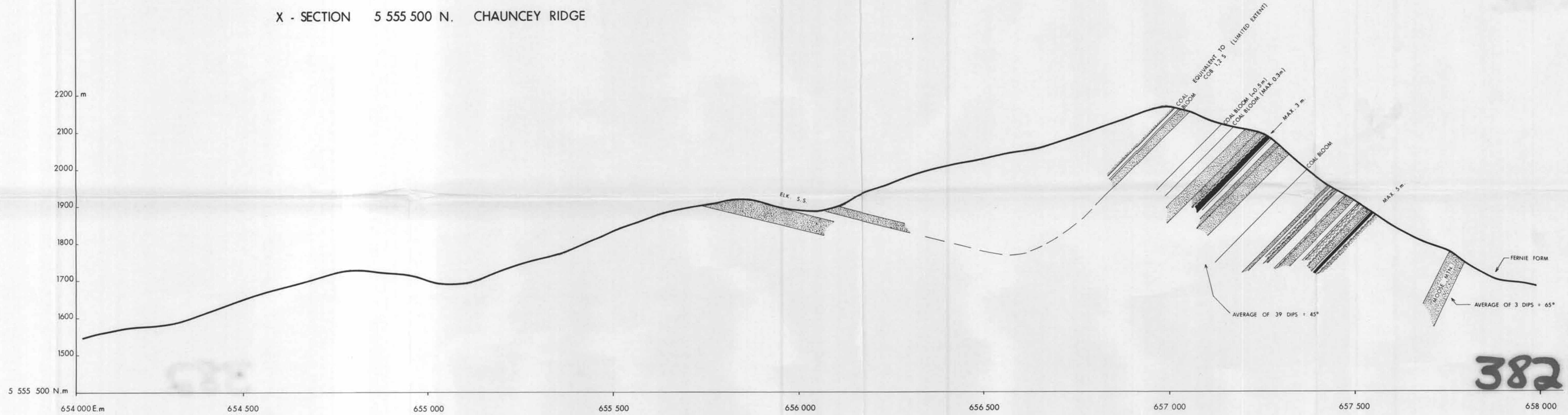


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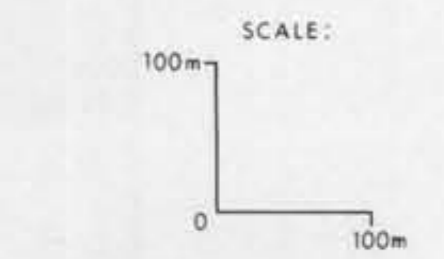
Crows Nest Resources Limited		
EXPLORATION		
GEOLOGICAL SECTION		
AUTHOR: B. MORRIS	SCALE: AS SHOWN	ENCLOSURE No: 1-3
DATE: APR 1981	REVISED:	DRAWING No:
To Accompany:		

K-Shell - Chauncey Ridge
80(2)A

X - SECTION 5 555 500 N. CHAUNCEY RIDGE



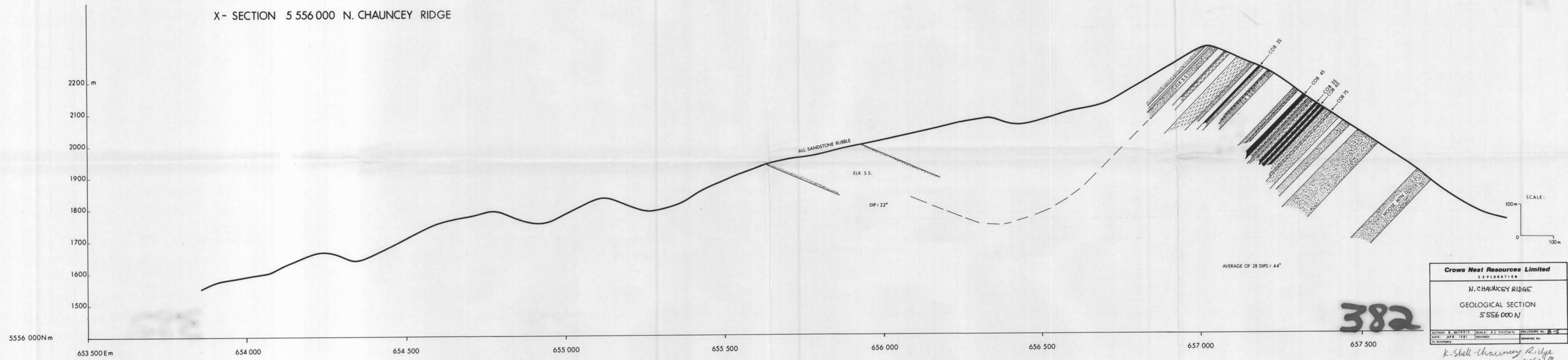
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Crows Nest Resources Limited			
EXPLORATION			
GEOLOGICAL SECTION			
AUTHOR: B. MORRIS	SCALE: AS SHOWN	ENCLOSURE No: 2-4	
DATE: APR 1981	REVISED:	DRAWING No:	

K-Shell-Chauncey Ridge
801 217

X- SECTION 5 556 000 N. CHAUNCEY RIDGE



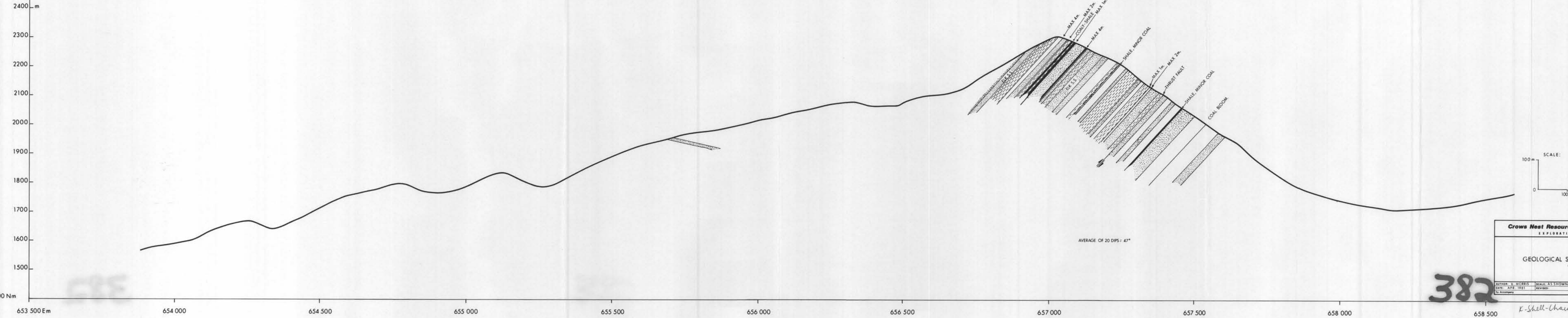
Crows Nest Resources Limited
EXPLORATION

N. CHAUNCEY RIDGE
GEOLOGICAL SECTION
5 556 000 N

AUTHOR: B. MORRIS	SCALE: AS SHOWN	ENCLOSURE NO: 2-5
DATE: APR 1981	REVISED:	DRAWING NO:
To Accompany:		

*K-Shell-Chauncey Ridge
80(2)A*

X-SECTION 5 556 500 N. CHAUNCEY RIDGE



382

Crows Nest Resources Limited		
EXPLORATION		
GEOLOGICAL SECTION		
AUTHOR: B. MORRIS	SCALE: AS SHOWN	ENCLOSURE No: 6-6
DATE: APR 1981	REVISED:	DRAWING No:
By Assembly		

K-Shell-Chauncey Ridge
80L21A

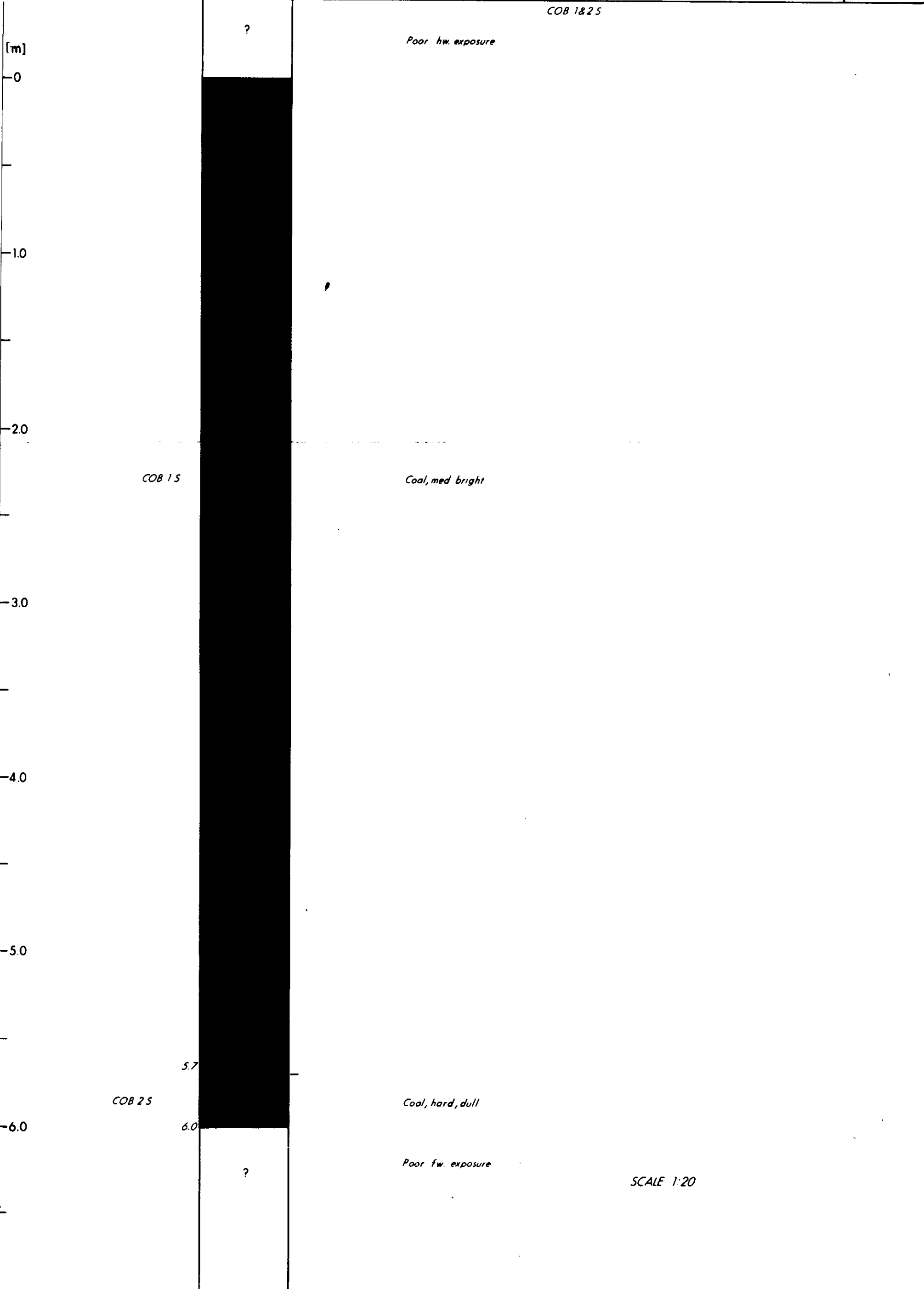
382

STRATIGRAPHIC SECTION

DESIGNATION:

PROJECT: NORTH BLOCK	AUTHOR: R.J. MORRIS	PART _____ OF _____
AREA: CHAUNCEY RIDGE	DATE: 1980-07-26	
LOCATION: PETE'S RIDGE (ELK COAL)	SOURCE OF DATA: BOOK RJM 80-3 P.98	

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE	
					MAIN	AMPLIFIED	RAW	ASH



382

STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS

DATE: 1980-07-26

AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK RJM 80-3 P-99

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE RAW ASH
					MAIN	AMPLIFIED	
						COB 3 5	
[m]							
						Shale, black	
						Coal, bright	
		32 35				Shale	
						Coal, bright, hard	
		97 99				Shale, rusty	
						Coal, bright, hard	
		185					

SCALE 1:20

382

STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R. J. MORRIS

DATE: 1980 07 26

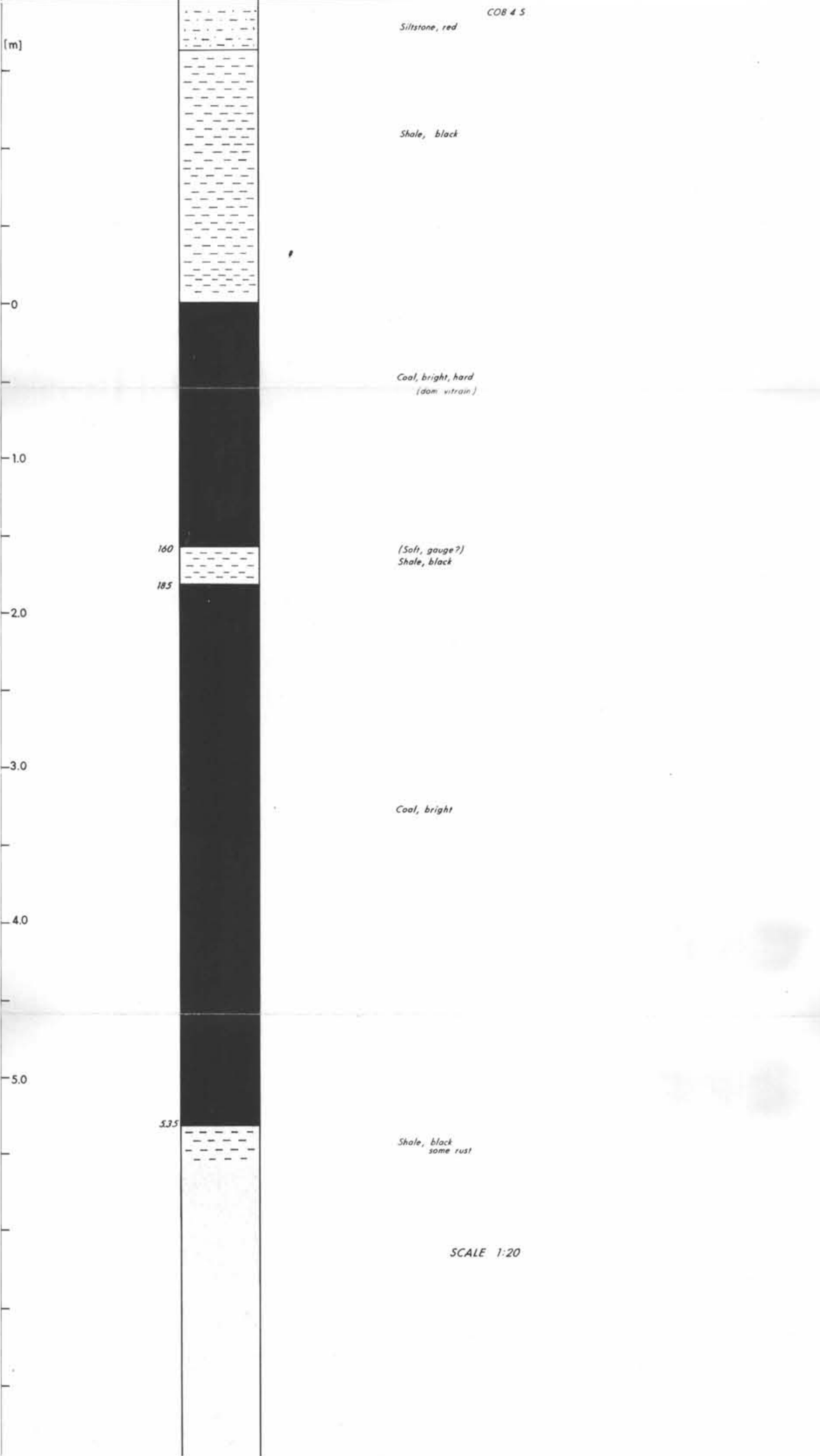
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK: RJM 80-3 P.100

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE RAW ASH
					MAIN	AMPLIFIED	



382

STRATIGRAPHIC SECTION

DESIGNATION:

PART ____ OF ____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS

DATE: 1980 07 26

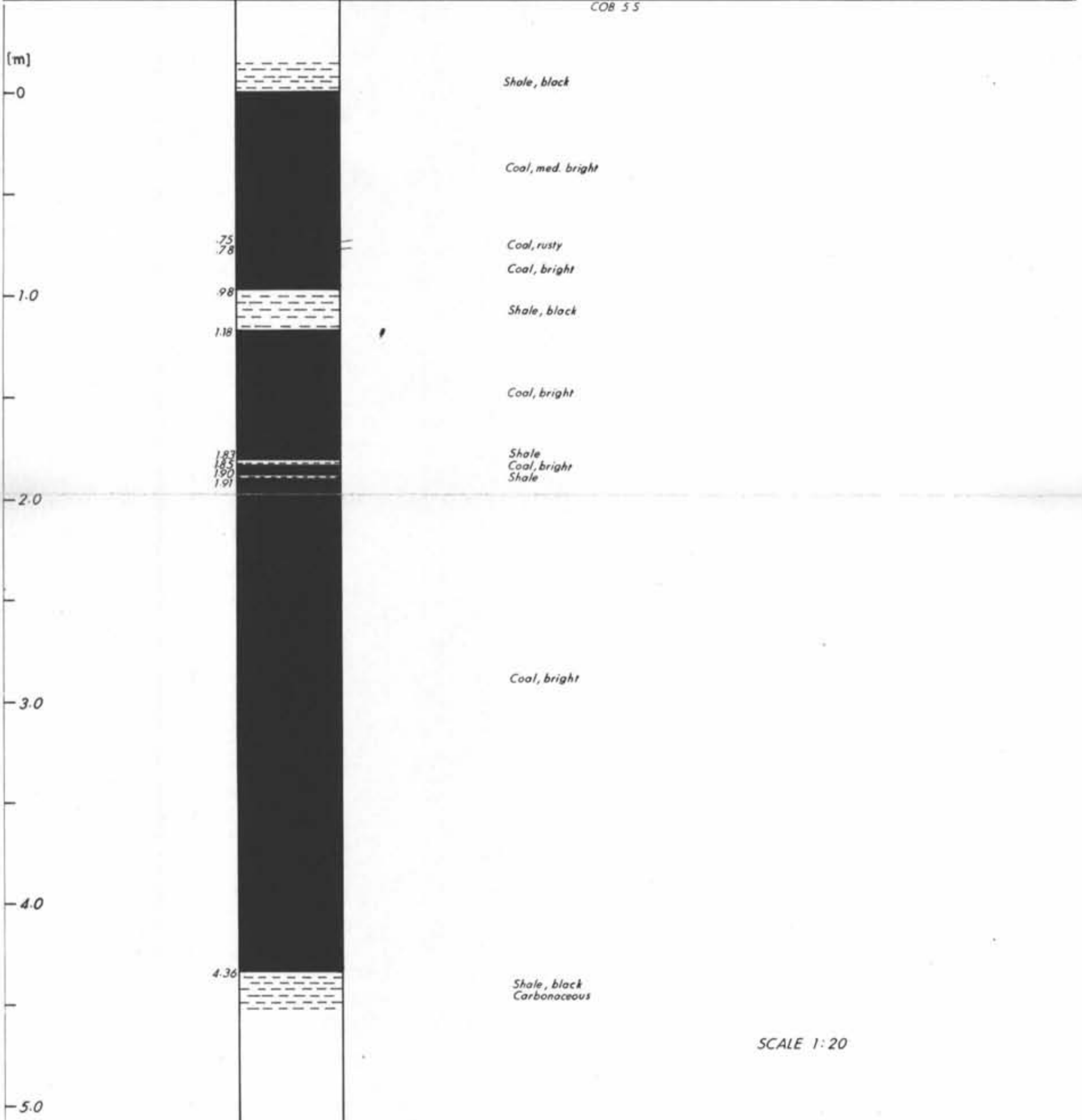
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK RJM 80-3 P-101

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE RAW ASH
					MAIN	AMPLIFIED	



382

STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS

DATE: 1980-07-26

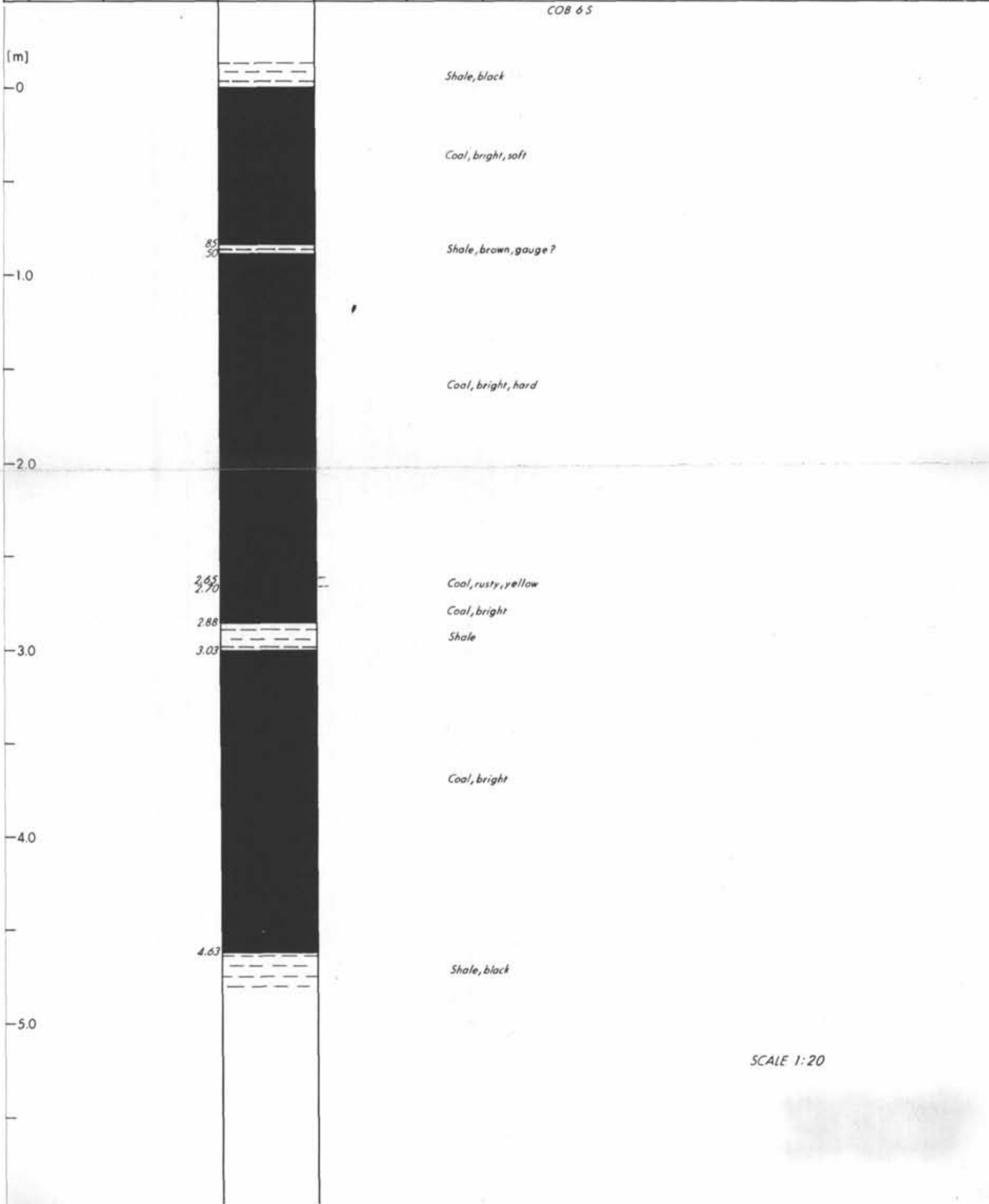
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK RJM 80-3 P.103

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE RAW ASH
					MAIN	AMPLIFIED	



SCALE 1:20

382

STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R. J. MORRIS

DATE: 1980 - 07 - 26

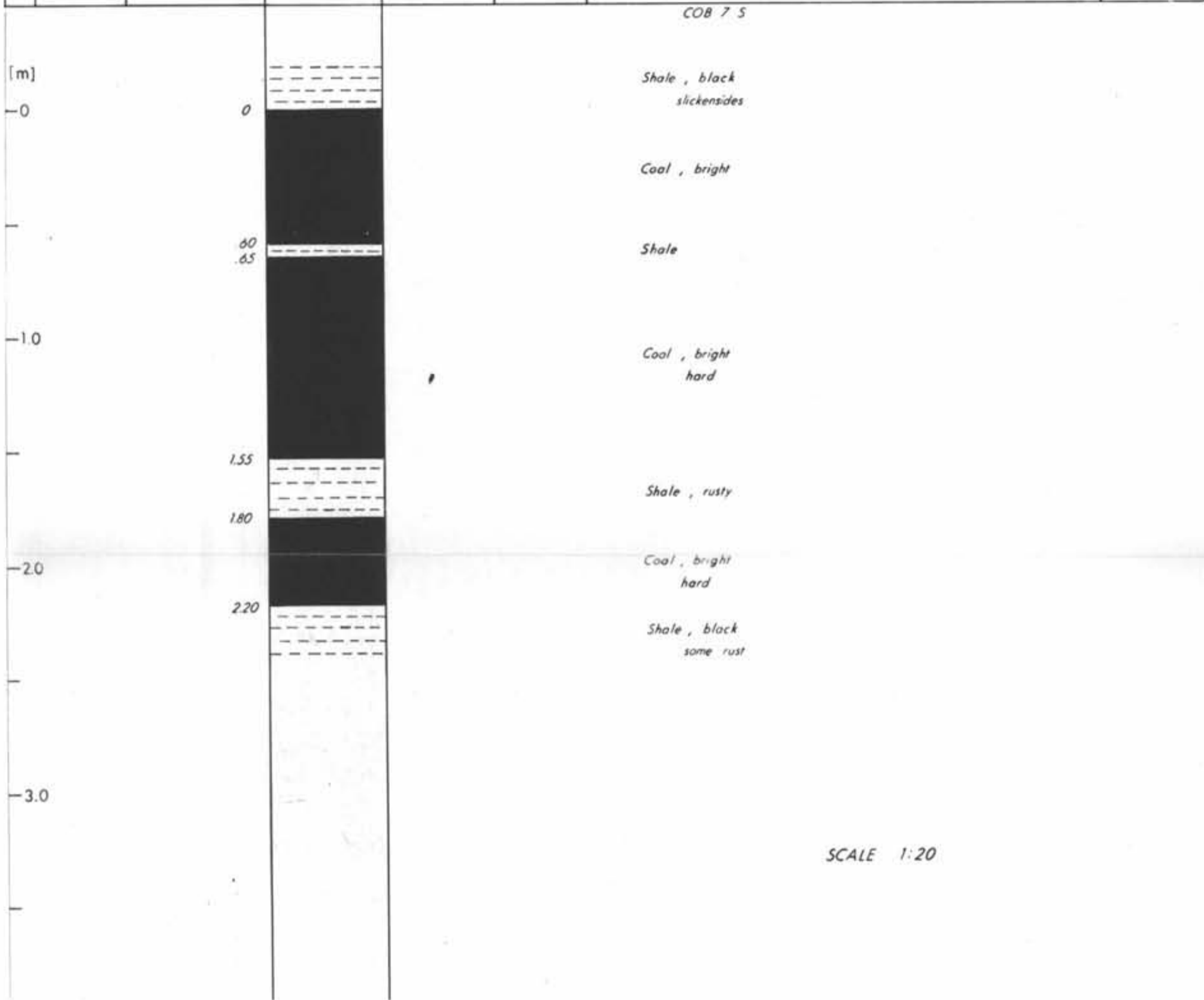
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK : RJM 80-3 P.103

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE RAW ASH
					MAIN	AMPLIFIED	








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STRATIGRAPHIC SECTION

DESIGNATION:

PROJECT: NORTH BLOCK
AREA: CHAUNCEY RIDGE
LOCATION: PETE'S RIDGE

PART _____ OF _____	DATE: 1980-07-26
AUTHOR: R.J. MORRIS	
SOURCE OF DATA: BOOK RJM 80-4 P-15	

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	
						<i>COB 10 S</i>	
[m]						<i>Shale, black</i>	
0						<i>Coal, hard, bright</i>	
-1.0						<i>Coal, hard, bright</i>	
-2.0							
-3.0							

SCALE 1:20

382

STRATIGRAPHIC SECTION

DESIGNATION:

PROJECT: NORTH BLOCK
 AREA: CHAUNCEY RIDGE
 LOCATION: PETE'S RIDGE

PART _____ OF _____
 AUTHOR: R.J. MORRIS DATE: 1980-07-26
 SOURCE OF DATA:
 BOOK: RJM 80-4 P. 111

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	
						COB II S	
[m]						Siltstone, brown	
0						Shale, black (very carbonaceous)	
						Coal, soft, dull	
						Coal, soft, dull	
-1.0						Coal, mod. hard, dull	
						Coal, with iron nodules	
						Coal, mod. hard, dull	
						Claystone, massive, grey; weathers white	
						Coal, mod. hard, med. bright	
-3.0						Shale, coal	
						Coal, soft, dull	
-4.0							

SCALE 1:20

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STRATIGRAPHIC SECTION

DESIGNATION:

PART	OF
------	----

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS	DATE: 1980-07-26
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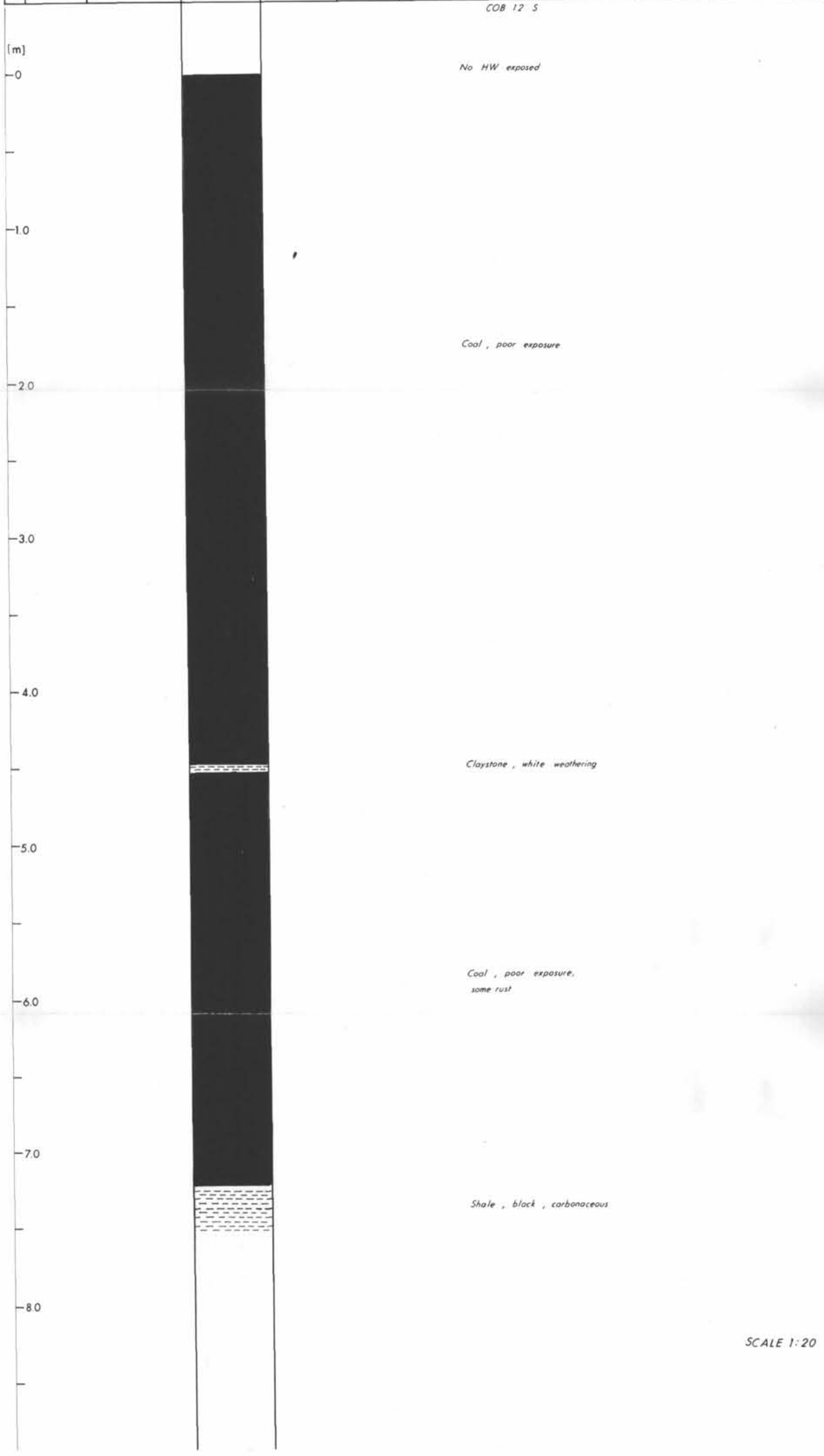
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK: RJM 80-4 P. 111-112

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



SCALE 1:20

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STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS

DATE: 1980-07-26

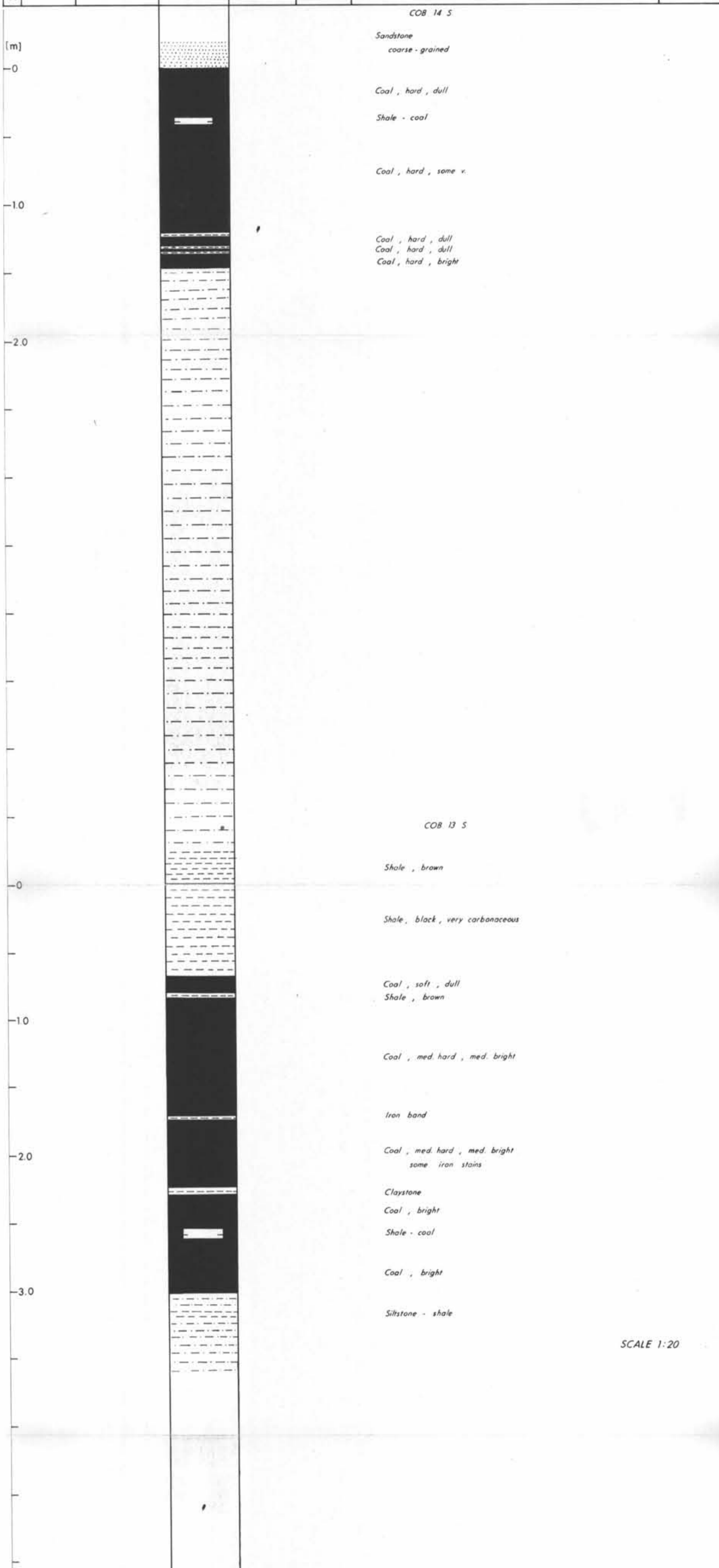
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK: RJM 80-4 P. 116-117

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



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STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R. J. MORRIS

DATE: 1980-07-26

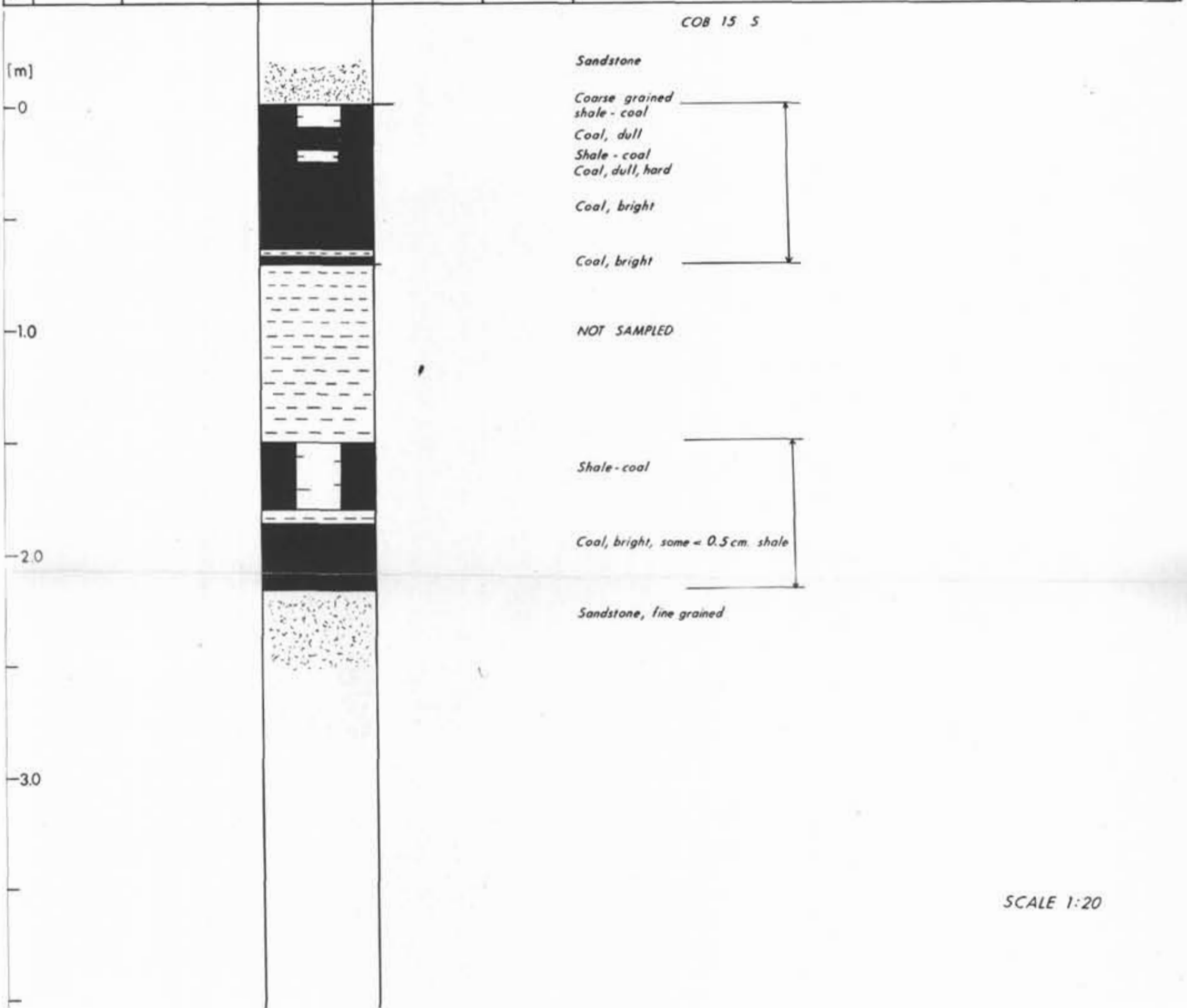
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

BOOK: RJM 80-4 P.121

LOCATION: PETE'S RIDGE

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	

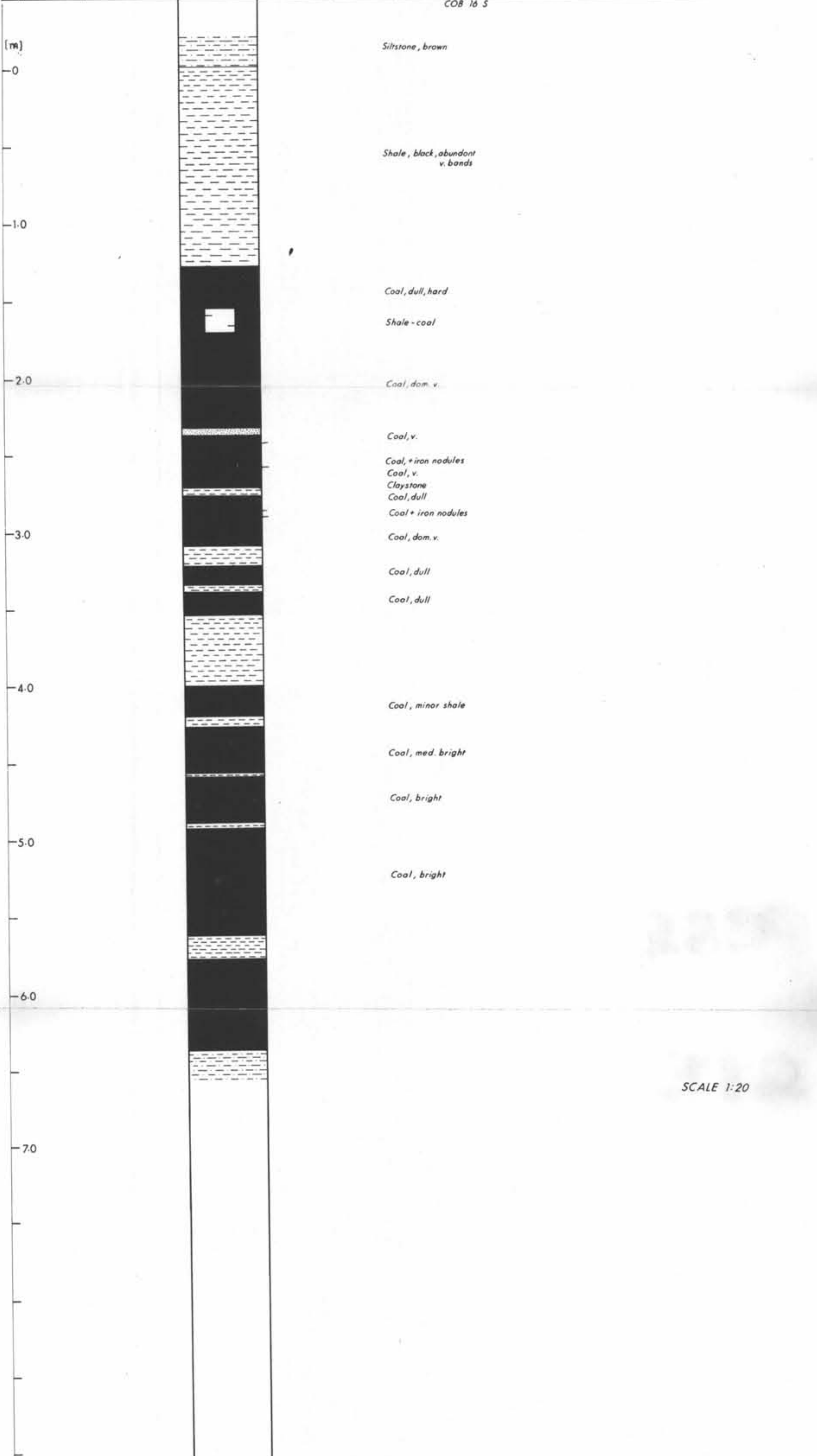


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STRATIGRAPHIC SECTION

DESIGNATION:	PART _____ OF _____
PROJECT: NORTH BLOCK	AUTHOR: R. J. MORRIS
AREA: CHAUNCEY RIDGE	DATE: 1980-07-26
LOCATION: PETE'S RIDGE	SOURCE OF DATA:
	BOOK RJM 80-4 P.122-123

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



SCALE 1:20

80(3)A * 2

382

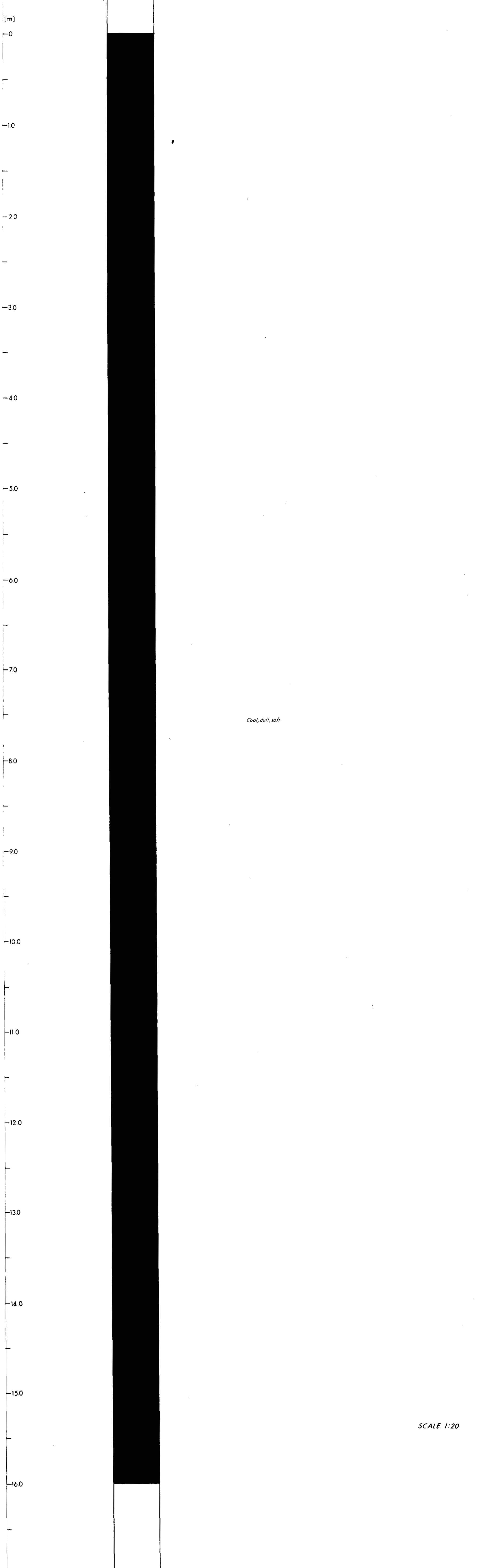
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DESIGNATION:

PROJECT: NORTH BLOCK	AUTHOR: R.J. MORRIS	PART _____ OF _____
AREA: CHAUNCEY RIDGE	DATE: 1980-07-26	
LOCATION: PETE'S RIDGE	SOURCE OF DATA:	
	BOOK RJM 80-4 P.123	

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	

COB 17.5



SCALE 1:20

382

STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS

DATE: 1980 08 18

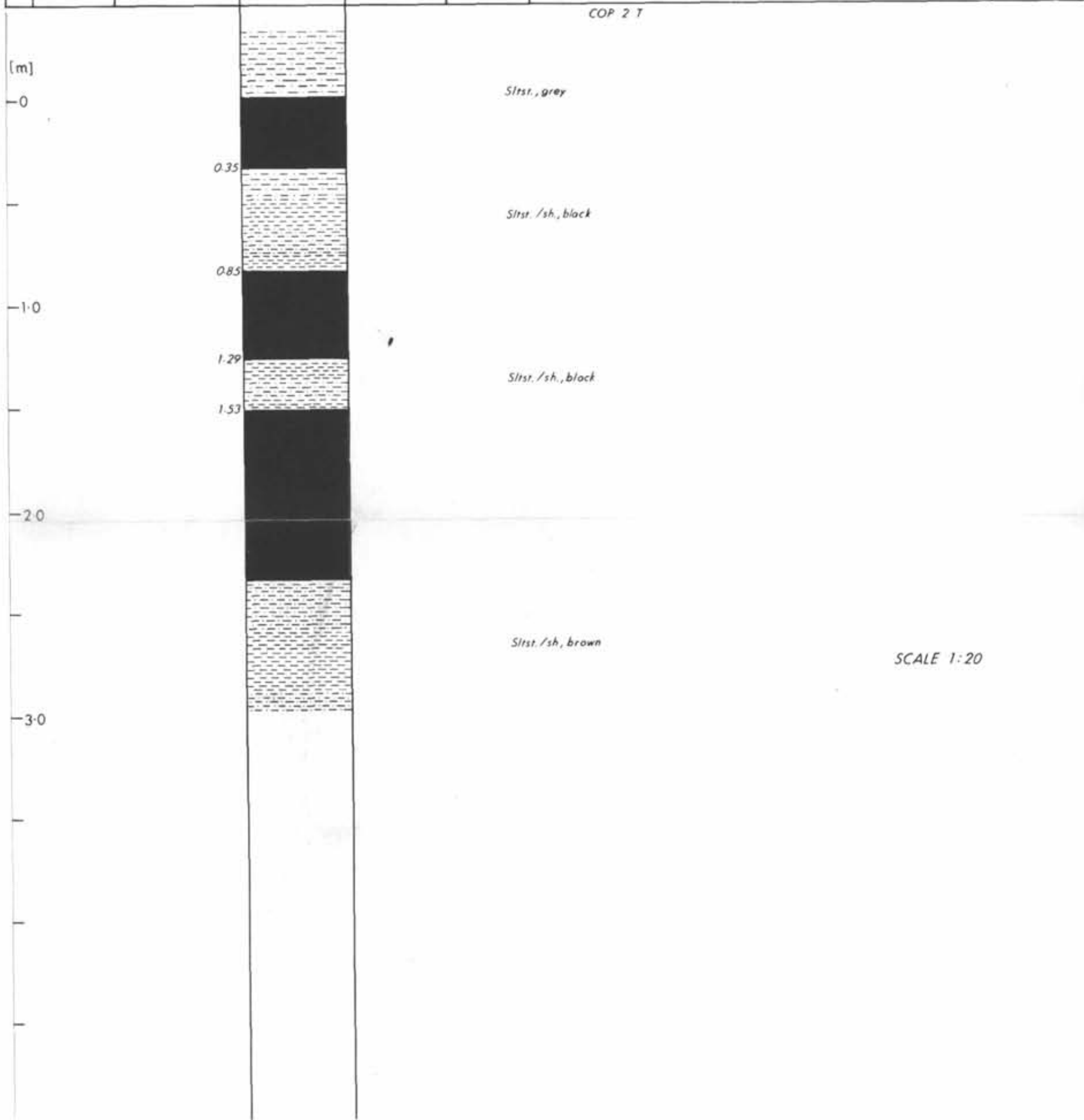
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: ELK RIDGE (COAL TRENCHES)

BOOK A.P.P.A. BOOK #2 P106

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



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STRATIGRAPHIC SECTION

DESIGNATION: _____ PART _____ OF _____



AUTHOR: R.J. MORRIS DATE: 1980-08-18

SOURCE OF DATA:
BOOK APPA BOOK 2 P.106-107

PROJECT: NORTH BLOCK

AREA: CHAUNCEY RIDGE

LOCATION: ELK RIDGE (COAL TRENCH)

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	
							
[m]							
0							
-1.0							
-2.0							
-3.0							
-4.0							

COP 3 T

Shale, brown

Shaley coal

Coal, soft, dull, becoming brighter downsection

Coal, soft, bright, becoming duller downsection

Coal, soft, dull

Sst, br.

SCALE 1:20

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STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS

DATE: 1980-08-18

AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: ELK RIDGE (COAL TRENCHES)

BOOK APPA #2 P.107

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	
						<i>COP 4 T</i>	
[m]							
			[Shale symbol]			<i>Shale</i>	
		0.58				<i>Coal, hard, dull</i>	
		0.89				<i>Coal, soft, bright</i>	
		0.07 <	[Coaly shale symbol]			<i>Coaly shale</i>	
		0.45				<i>Coal, hard, bright</i>	
		0.90				<i>Coal, hard, dull, heavy</i>	
		1.70				<i>Coal, soft, semi bright</i>	
						<i>Coal, shaley</i>	
			[Sh/slst. symbol]			<i>Sh /slst.</i>	

SCALE 1:20

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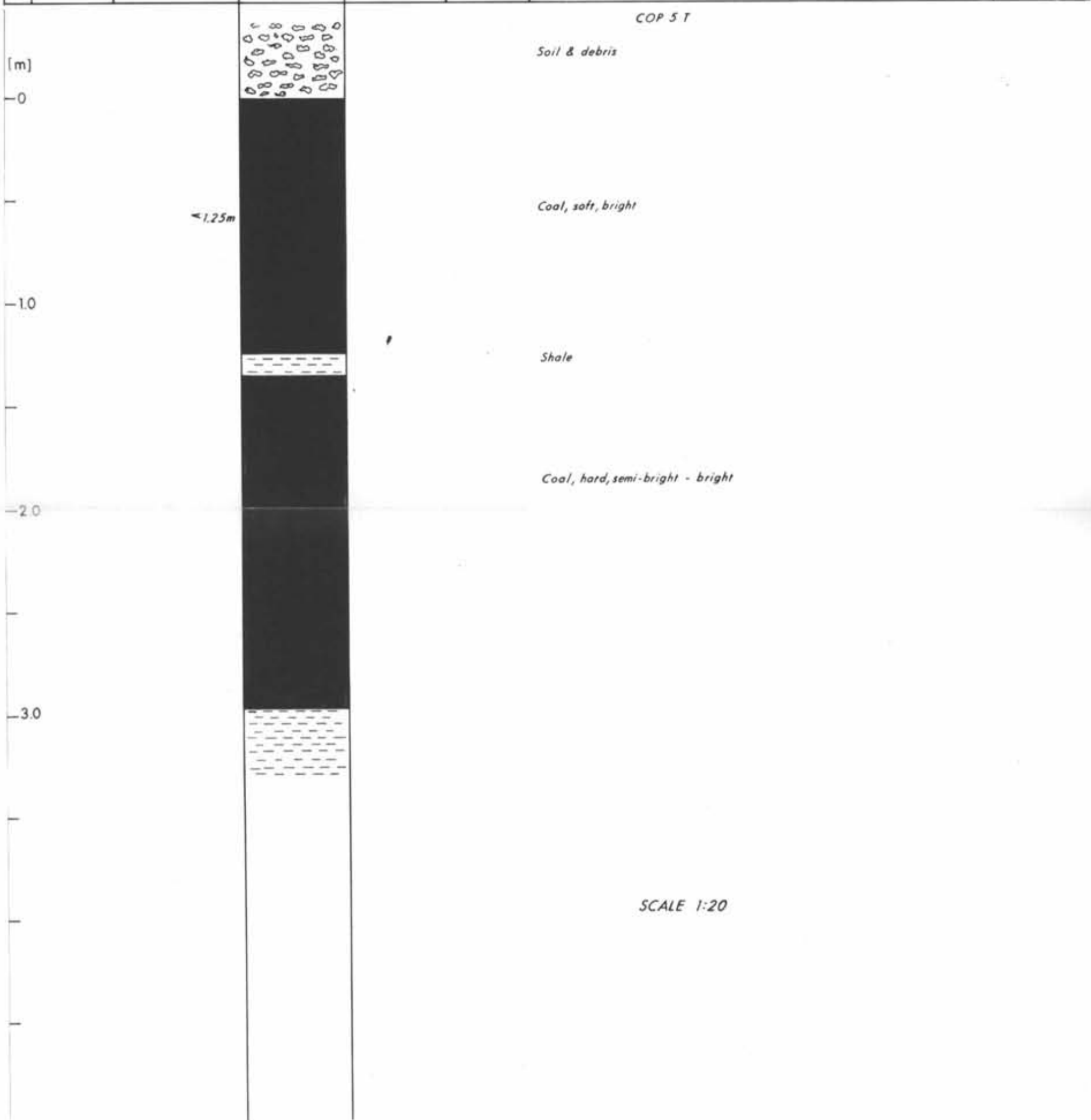
STRATIGRAPHIC SECTION

DESIGNATION:

PROJECT: NORTH BLOCK
 AREA: CHAUNCEY RIDGE
 LOCATION: ELK RIDGE

PART _____ OF _____
 AUTHOR: R J MORRIS DATE: 1980 - 08 - 19
 SOURCE OF DATA:
 BOOK: APPA. BOOK # 2 P.108

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



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STRATIGRAPHIC SECTION

DESIGNATION: _____ PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R.J. MORRIS DATE: 1980-07-26

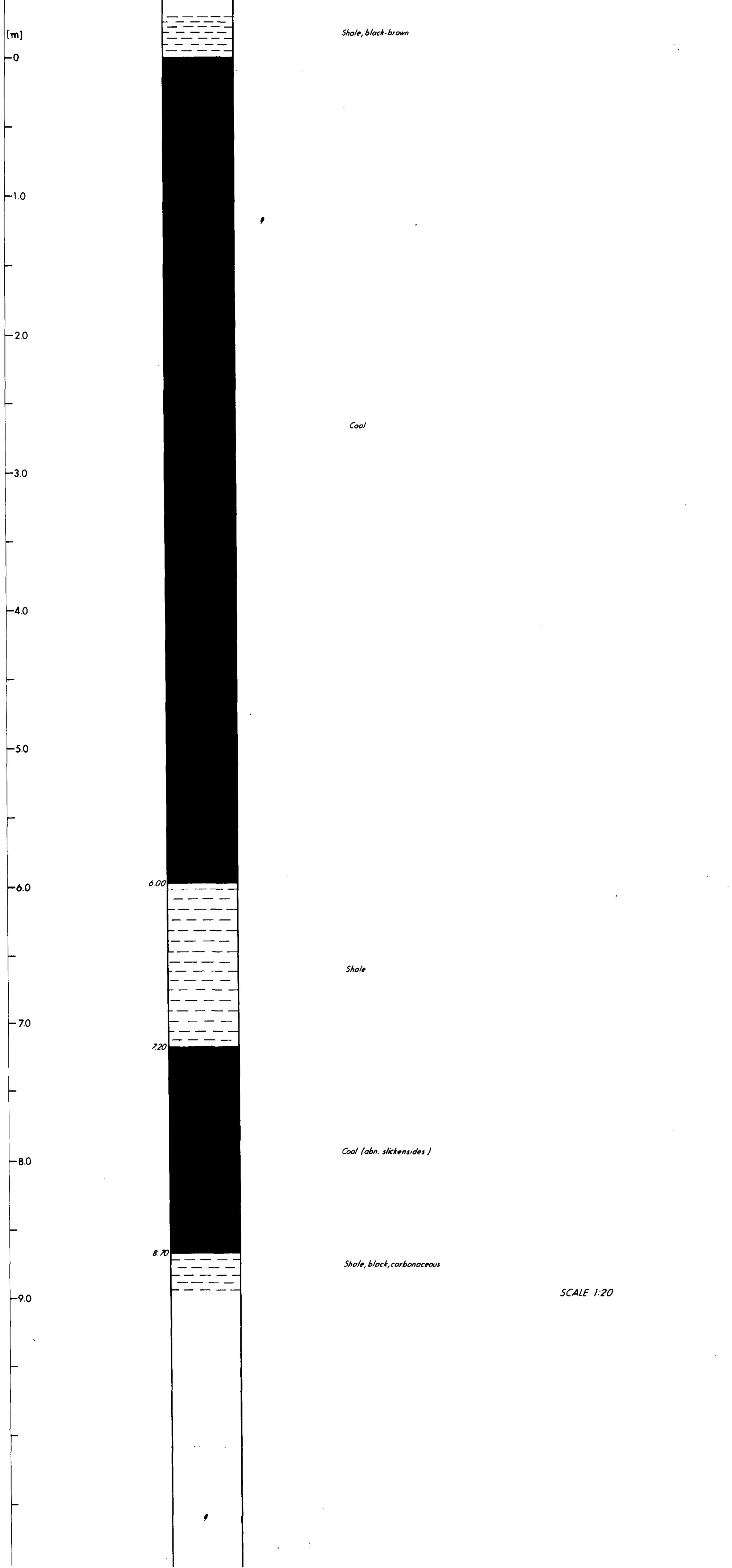
AREA: CHAUNCEY RIDGE

SOURCE OF DATA:

LOCATION: PETE'S RIDGE

BOOK APPA 80-1 P.95

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



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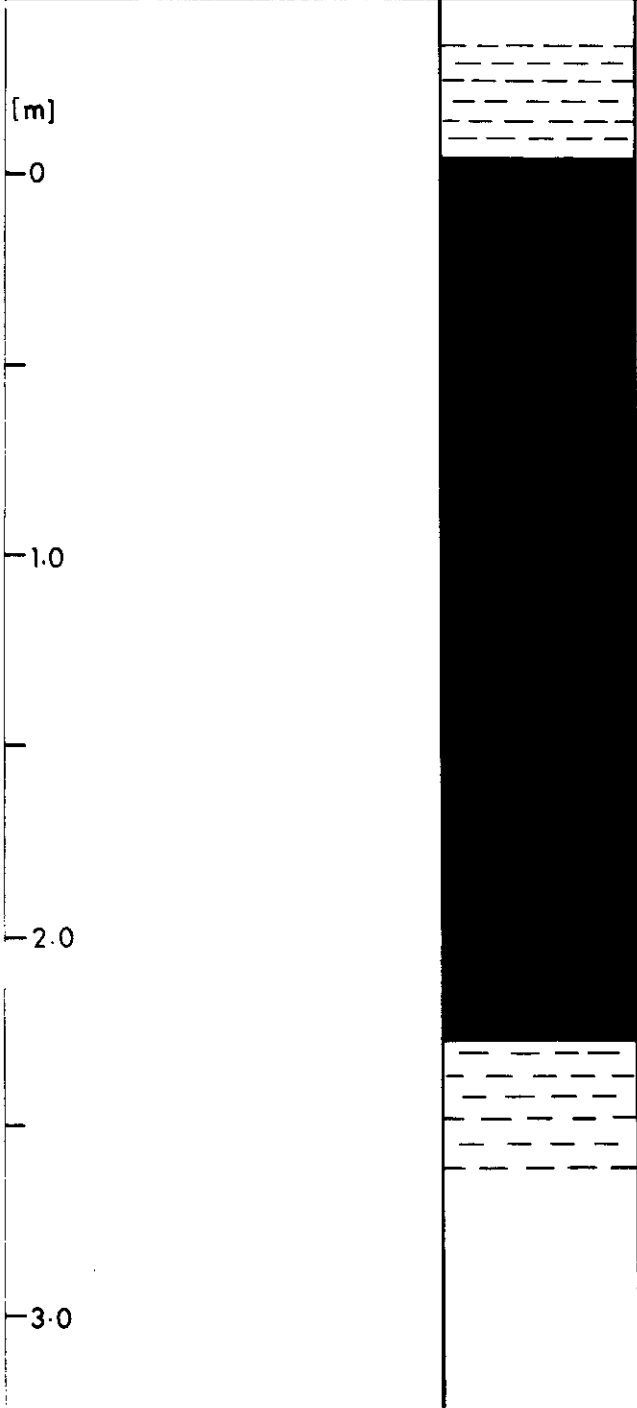
STRATIGRAPHIC SECTION

DESIGNATION:

PROJECT: NORTH BLOCK
 AREA: CHAUNCEY RIDGE
 LOCATION: KRL ROAD

PART _____ OF _____
 AUTHOR: R. J. MORRIS
 DATE: 1980-07-26
 SOURCE OF DATA:
 BOOK: APPA 80-1 P.10

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



Coal (2,5cm shale splits)

SCALE: 1:20

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STRATIGRAPHIC SECTION

DESIGNATION:

PART _____ OF _____

PROJECT: NORTH BLOCK

AUTHOR: R J MORRIS

DATE: 1980-07-26

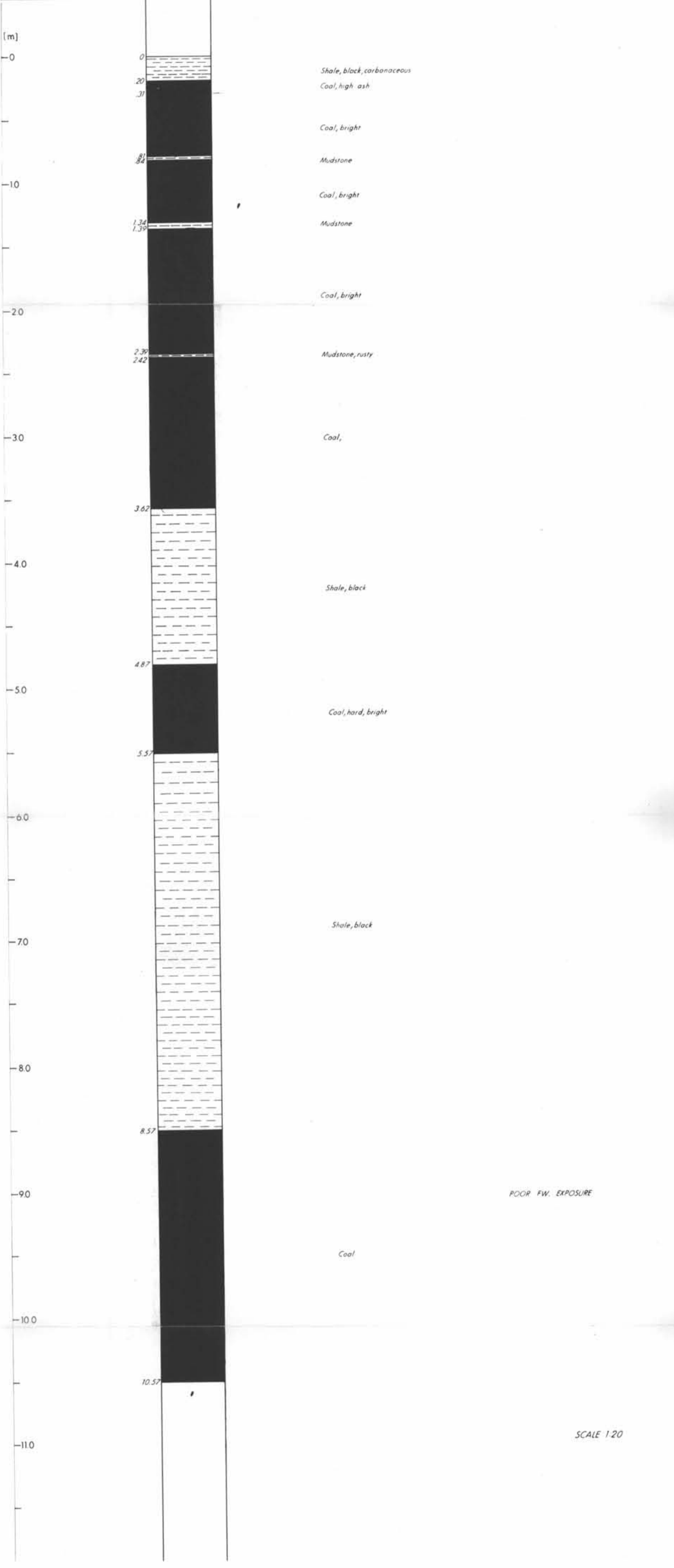
AREA: CHAUNCEY RIDGE WEST (RR CUT, #1 SEAM)

SOURCE OF DATA:

LOCATION:

BOOK RJM 80-2 P.133

SCALE	CONTROL POINT	INTERVAL	LITHOLOGY	STRIKE & DIP	DESCRIPTION		SAMPLE
					MAIN	AMPLIFIED	



SCALE 1:20