

MAP NO:116B/2

ASSESSMENT REPORT: X

DOCUMENT NO: 093240

PROSPECTUS:

MINING DISTRICT: Dawson

CONFIDENTIAL: X

TYPE OF WORK: Geological

OPEN FILE:

REPORT FILED UNDER: Larry Carlyle

DATE PERFORMED: May 31-June 14, 1994

DATE FILED: October 12, 1995 ⁴

LATITUDE: 64 08

AREA: Coal Creek

LONGITUDE: 138 56

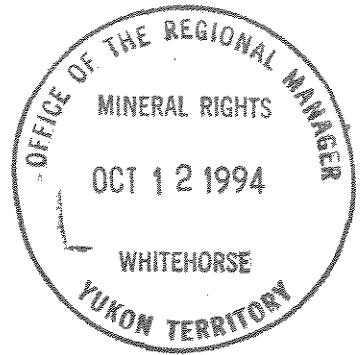
VALUE: \$

CLAIM NAME AND #: Coal Exploration Licence Y-455, Y-456

WORK DONE BY: Larry Carlyle

WORK DONE FOR: Larry Carlyle

DATE TO GOOD STANDING	REMARKS: VLF survey performed to locate subcropping coal in the vicinity of an old mine. The mine portal is covered by slide material and as such poor quality samples of coal were recovered for analysis.



**REPORT ON THE 1994 WORK PROGRAM
COAL EXPLORATION LICENCES, Y-455 AND Y-456
DAWSON MINING DISTRICT, YUKON**

NTS 116 B-2

by

Larry w. Carlyle, F.G.A.C., P. Geol.

Whitehorse, Yukon

September, 1994

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INTRODUCTION

Larry Carlyle has researched the Yukon's coal resources over a period of approximately 8 years. The only recent use made of Yukon coal has been to dry concentrates and provide part of the mill heating at Faro, Yukon. Carlyle has concluded that it is unfortunate that Yukoners make no use of the coal resources which exist near most Yukon communities. These coal resources are very similar to those found in Alaska and the rest of western North America. Studies done in Alaska show that it is economically and environmentally beneficial to use local coal in preference to imported diesel fuel for the production of electricity and space heat.

Knowing about the new technologies for coal utilization and the benefits achievable from coal use encouraged Carlyle to acquire two coal exploration licences southeast of Dawson. The licences cover an area of 59,584 acres. The licences cover the site of an old coal mine which was operated from 1899 - 1903. The mine was reopened for a year in 1937. It was again operated in 1939 and 1940. The mine is approximately 20 miles from Dawson; this distance consists of a 7 mile (11 Km.) wagon road to the Klondike River and the remainder along the Klondike River to Dawson. An unknown amount of coal was produced from the mine for home heating in Dawson.

In 1994, Larry Carlyle spent 14 days on the property (May 31 - June 14). The object of this report is to summarize the information obtained from the property visit.

Scale 1:50,000
LOCATION MAP

Mine

Land
Claim

Farm

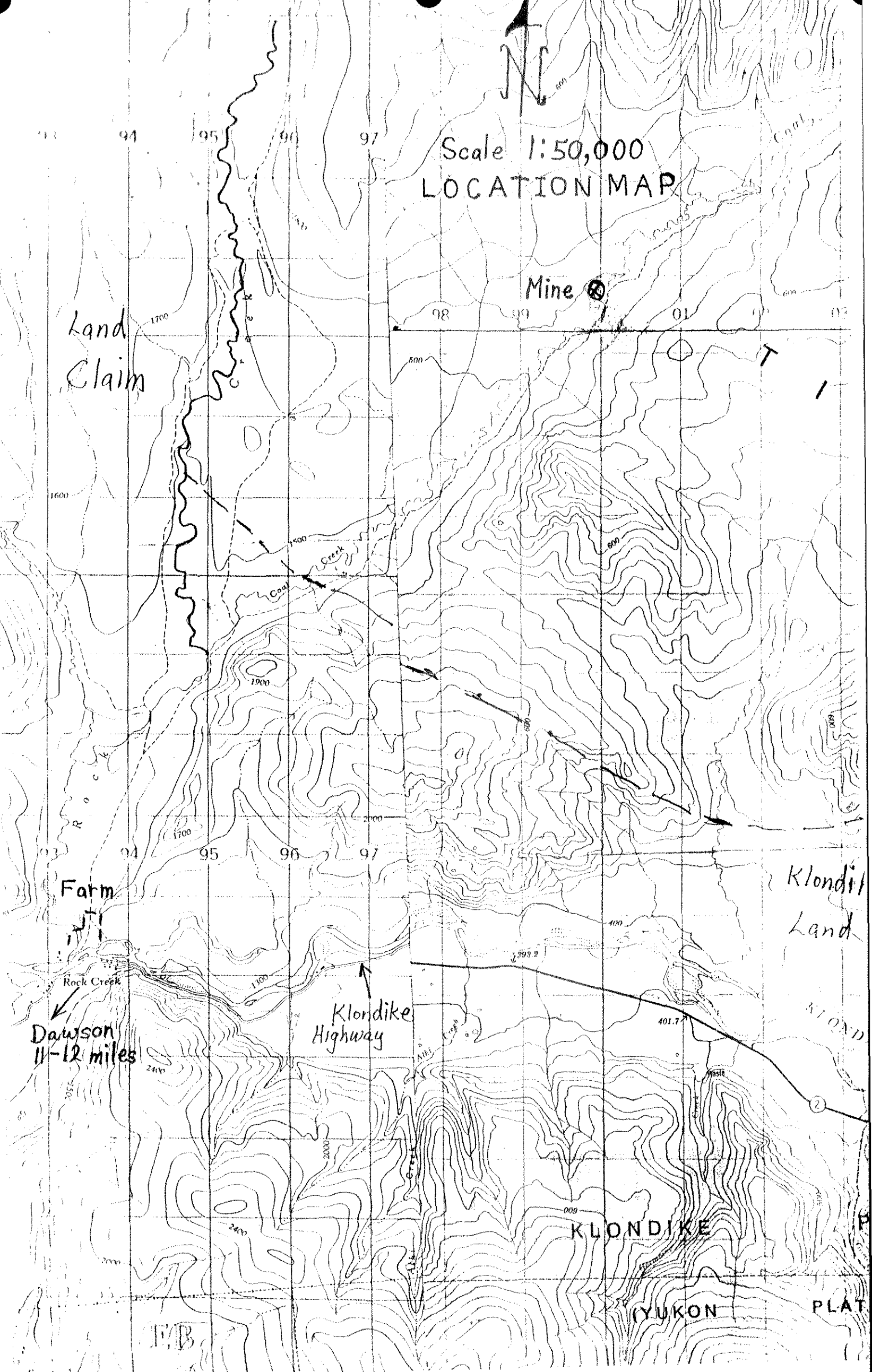
Dawson
11-12 miles

Klondike
Highway

Klondike
Land

KLONDIKE

YUKON PLAT



LOCATION, ACCESS AND LICENCES

Coal Exploration Licences, Y-455 and Y-456, cover an area of 59,584 acres. This area is most of the western half of NTS Map Sheet 116 B-2. These licences are valid until September 27, 1996 provided the conditions of the Territorial Coal Regulations are met.

The old wagon road which provided access to the mine during its operation is now quite heavily overgrown (See Location Map). During his stay on the property, Carlyle cut out a helicopter pad at the mine site.

PROPERTY GEOLOGY

The entire area of the exploration licences is covered with unconsolidated glacial and alluvial deposits. This results in very little rock outcrop being present, thus making surface geological mapping extremely difficult. Geological Survey of Canada Open File 1927 (1988) indicates that the area is underlain by brown weathering conglomerate, argillite, and minor tuffs of Early Tertiary age. This geology does not correspond to the rock the writer observed on the mine dump and in a small outcrop near the old trench located 20 metres southeast of line 0 E, 0 N, and 10 metres southwest of 0 + 00 line (See Raw Dip Angle Data Figure). At these locations, the rock observed was a very friable, red-brown iron oxidized quartz-sericite schist referred to locally as Klondike Schist. Pockets of lignite to sub-bituminous coal are known to exist in Tertiary rocks along the

eastern margin of the Tintina Fault from Alaska to the Yukon-B.C. border.

1994 WORK PROGRAM

The 1994 property visit represented the first time the writer had been on the property. For this reason, much of the time spent on the property consisted of general orientation, prospecting and work at the mine site once it had been located. This work was considerably hampered by the only suitable helicopter landing site being located approximately 3.5 miles from the mine site. This substantial distance required about a 2 hour walk each way, each day, to get to the mine site to perform work.

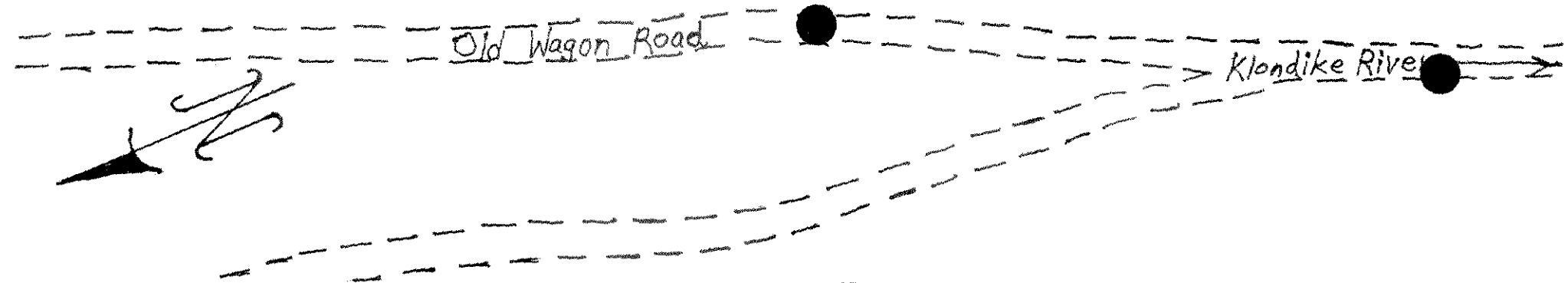
PROSPECTING

Approximately 1/3 of the western portion of the property was prospected during the work program. Since the Dawson area has not been glaciated, prospecting was concentrated along Coal Creek and along the low hills northeast of the creek where areas of rock outcrop were more likely to be located. Only the outcrop described earlier was found; but considerable amounts of Klondike Schist and Keno Hill Quartzite float were observed. The Keno Hill Quartzite float is believed to have come from the Tombstone Mountain area to the north where it has been mapped.

MINE SITE WORK

Three days were spent cutting out a helicopter pad on the flood plain near the mine portal (See Plan View Figure). Helicopter access is considered to be the most feasible method to do future preliminary investigations of the coal at this site.

The old mine portal was located near the base of a steep (40-55°) creek bank. The portal is approximately 50 feet vertically below the top of the hillside and 12 - 16 feet above the level of Coal Creek. Unfortunately, solifluction from the permafrost action in the area has resulted in a large portion of this hillside sliding down onto the portal site and covering it (See X-Section Looking Southeast). A considerable amount of work was needed to clear the vegetation, moss, grass, and soil covering the portal. When this was achieved, the area was discovered to be solidly frozen with only small amounts of the rotting portal timbers, track, and coal being visible. For this reason, only 2 coal samples were taken and both have significantly more moisture and ash content than normal. One of the samples, designated "Lump Coal", was made from one large piece of coal located among the portal timbers. Analyses for this sample are probably the closest to those expected for normal coal. Many of the portal timbers appeared to have been burned. This could mean that there has been a fire in the mine; since little evidence exists that a forest fire has occurred in the area during the more than 50 years since the mine was in operation.



Old Cabin

Old Cabin

Small Coal Seam

Line of Landslide

Gates Mine Decline

Base of Hill

Boiler

old Hoist

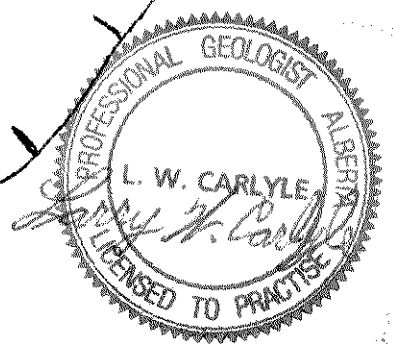
Mine Dump

CREEK

Creek Flood Plain

Helicopter Pad

Old Hoist?



Plan View
Not to Scale

X-Section
Looking Southeast

Hillside
~45°-55° Slope

Landslide
Area

Small
Coal
Seam

Caved
Mine Portal

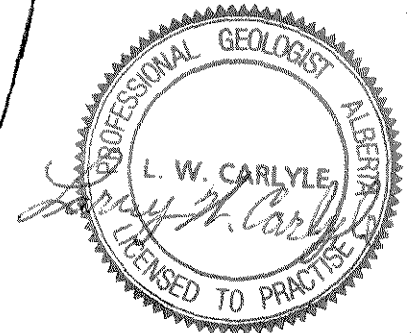
Old Boiler

Old Hoists

Mine
Dump

Old
Cabins

Helicopter
Pad



Creek Flood Plain
~6-8 ft. Above Creek

The landslide exposed a 4" - 8" (10 - 20 cm) coally horizon 15 - 20 feet vertically above the portal site. This seam seems to strike N 60° E and dip 22° NW and was sampled as "Small Seam Decline". This seam may represent the 20 cm. thick seam analyzed by the GSC in 1979 (See Appendix B).

**COAL SAMPLE ANALYSES
(AIR DRIED BASIS)**

SAMPLE ID	% H ₂ O	% V.M.	% ASH	% F.C.	% S
Lump Coal	6.84	32.42	19.09	41.65	0.62
Coal Grab	6.55	18.79	56.48	18.18	0.31
Small Seam Decline	5.55	29.84	38.01	26.60	0.81

H₂O = water

V.M. = volatile matter

F.C. = fixed carbon

S = sulphur

EQUIPMENT OBSERVED AT OLD GATES MINE

Old Boiler made by Kenny Bros., St. Paul, Minnesota (apparently rated at 65 horsepower). Stamped with G 99 9/27/07.

Old 2 drum hoist with cable labelled with American Hoist & Derrick Co., St. Paul, Minn.; July 28 85 & April 22 90 E54

Old 2 drum hoist without cable labelled with S. Flory MFG Co., Bangor, PA; (probably used for parts).

What appears to be another hoist exists on the other side of the creek.

An assortment of pipes, barrels, small rail and pieces of 2 or 3 small mine cars.

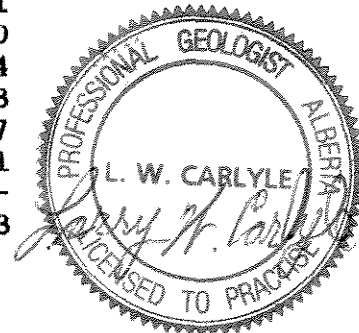
VLF-EM SURVEY

On June 8, 1994 a small VLF-EM test grid was performed on the hillside southeast of the Gates Mine Decline in an attempt to locate where the coal seams subcrop below the overburden cover. McConnell (1901) reported that the coal seams dip at $3 - 10^\circ$ to the northeast in the decline. For this reason, the VLF-EM lines were spaced at 50 metres in a southeast direction with readings being taken every 5 metres along the lines in a northeast direction. Figures showing the Raw Dip Angle Data, Contoured Field Strength Data, and Contoured Fraser Filtered Dip Angle Data have been prepared. In addition to these figures, another Fraser Filtered Data figure has been prepared showing a line approximating where the coal seams are expected to subcrop. This line is very close to the point at which the Field Strength Data Contours show a very prominent steepening. These features suggest that holes drilled northeast of Line 100 N in the survey area should locate coal below the overburden. The overburden in the area is expected to be 20 - 35 feet thick. Drilling in the area of the VLF-EM survey should be relatively easy since the ground is most likely permanently frozen, the surface is relatively flat (climbing at approximately 5° toward the southeast) and dry (numerous large frost heaves). Vegetation is primarily closely spaced small spruce trees with some larger spruce trees as well as some willow and buck brush.

1994 STATEMENT OF COSTS

Labour (14 days @ \$50/day)	\$	700.00
Report Writing (3 days @ \$200/day)	\$	600.00
Helicopter	\$	438.17
Room and Board	\$	131.61
Vehicle Expenses	\$	80.00
Analyses	\$	139.64
Sample Shipment	\$	17.23
Field Supplies	\$	143.17
Office Supplies	\$	15.51

Total	\$	2,265.33

**CONCLUSIONS**

1. The caved state and frozen ground conditions at the old mine portal as well as lack of coal exposure have not permitted a suitable estimation of the extent or quality of the coal to be made.
2. The small VLF-EM survey has given some idea where the coal subcrops below the overburden.
3. The geophysical survey has demonstrated that the area is dry and flat enough to support machinery. Since the overburden is expected to be from 20 - 35 feet deep and since the coal has a dip of 3° - 10° to the northeast, drilling is probably preferable to trenching as a means of exploring the coal. Drilling using a reverse-circulation, rotary percussion drill is considered preferable to using a diamond drill because no water is required for this type of drilling. Water use in permanently frozen ground would require greater expense for additional equipment, chemicals, and 24 hour operation.

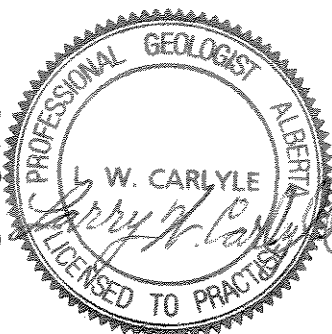
RECOMMENDATIONS

1. Up to 2000 feet of reverse-circulation, rotary-percussion drilling with helicopter support are recommended to investigate the accuracy of VLF-EM survey. Holes should be drilled along lines spaced at 300 metres in a southeast direction and at 100 metres along the lines beginning at Line 100 N and proceeding toward the northeast.
2. Trenching may allow testing of the coal along the line where subcrop is expected.
3. Prospecting may locate surface exposures of coal in creeks and on ridges further east within the exploration licences.

PROPOSED WORK PROGRAM

Drill Mob & Demob	\$ 4,000.00
2000 ft. Drilling (\$18./ft)	\$ 36,000.00
30 Hours Helicopter Support (\$650./hr)	\$ 19,500.00
Room & Board (4 men/14 days @ \$150/day)	\$ 8,400.00
Contingencies	\$ 7,000.00

Total	\$ 74,900.00

**REFERENCES**

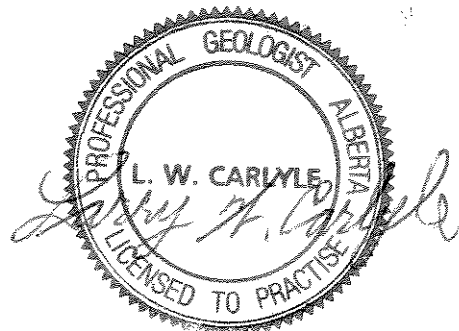
1. Bostock, H. S. "Yukon Territory - Selected Field Reports of the Geological Survey of Canada 1898 to 1933" GSC Memoir 284, pages 30 - 33.
2. Geological Survey of Canada, (1988) "Geology - Southwestern Dawson Map Area" Map - Open File 1927.
3. Hunt, J. A., (1994) "Yukon Coal Inventory 1994" Report for Energy and Mines Branch, Economic Development, Government of Yukon, pages 71 - 73.
4. Yukon Minfile, Northern Cordilleran Mineral Inventory, Dawson Map Sheet, 116 B & C, Occurrence 5.

STATEMENT OF QUALIFICATIONS

I, LARRY W. CARLYLE, do certify:

1. That I am a professional geologist resident at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.
2. That I hold a B. Sc. degree in geology from the University of British Columbia (1970).
3. That I am a Fellow of the Geological Association of Canada (F - 4355).
4. That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta (41097).
5. That I have practiced my profession as a mine and exploration geologist for seventeen years.
6. The conclusions and recommendations in the attached report are based on work I performed on the property and on a review of available private and public reports on the property.

DATED at Whitehorse, Yukon, this 25th day of September, 1994.



APPENDIX A

CERTIFICATES OF ANALYSES

LORING LABORATORIES LTD.

629 BEAVERDAM RD., N.E.,

CALGARY, ALBERTA.

TEL: (403) 274-2777 FAX: (403) 275-0541

TO : CARLYLE GEOLOGICAL SERVICES
 ATTN : LARRY CARLYLE
 PROJECT :

FILE # : 3 6 7 3 8
 DATE : AUGUST 19, 1994
 REPORT BY : ARNO HOOGEVELD

P R O X I M A T E A N A L Y S I S

SAMPLE ID	BASIS	% H2O	% V.M.	% ASH	% F.C.	% S
LUMP COAL	A.R.	31.97	23.68	13.94	30.42	0.45
	A.D.	6.84	32.42	19.09	41.65	0.62
	Dry	-----	34.80	20.48	44.71	0.67
COAL GRAB	A.R.	37.51	12.56	37.77	12.16	0.21
	A.D.	6.55	18.79	56.48	18.18	0.31
	Dry	-----	20.11	60.44	19.45	0.33
SHALL SEAM DFCLINE	A.R.	32.08	21.46	27.33	19.13	0.58
	A.D.	5.55	29.84	38.01	26.60	0.81
	Dry	-----	31.59	40.24	28.16	0.86

APPENDIX B

YUKON COAL INVENTORY DATA

YUKON MINFILE DATA

Between South Klondike and Chandindu Rivers, the north side of the Trench is poorly defined and the floor is mantled by extensively slumped Tertiary and/or Quaternary deposits (Hughes and Long, 1980). Bedrock exposures are rare. Northwest of Chandindu River the Trench is well-defined and varies between 2 and 5 km in width. Surficial cover is relatively thin and early Tertiary sedimentary rocks are sparsely exposed over a wide area (Hughes and Long, 1980).

In small areas at least, conditions for preservation of vegetation in peat swamps were ideal, and hence the potential for the discovery of additional thick seams, within the recessive strata along Cliff and Coal Creeks and within equivalent strata concealed elsewhere in the Trench, is good (Hughes and Long, 1980). The steep dips and structural complexity of some of these seams, however, limits the volume of near surface coal and suggests mineable deposits at any one location will be small (Hughes and Long, 1980).

Hughes and Long (1980) divided the Dawson area into four sections: 1) South Klondike River to Chandindu River, 2) Chandindu River to Fifteenmile River, 3) Fifteenmile River to Cliff Creek and 4) Cliff Creek to the U.S. border; individual coal deposits and occurrences within these areas are described below.

1) SOUTH KLONDIKE RIVER TO CHANDINDU RIVER

34. ROCK CREEK MINE

OTHER NAMES: GATES MINE, COAL CREEK, COLLIERY; Yukon Minfile - 116B/05; Campbell (1967) # 47; Ricketts (1985) # 56.

LOCATION AND ACCESS

Latitude: 64°08'02"N, Longitude: 138°56'27"W in NTS 116B/2. The mine is located on Coal Creek, a tributary of Rock Creek, and is about 11 km from the Klondike River (McConnell, 1901; Bostock, 1938).

HISTORY

Staked as coal lease 209 in August, 1898 by Mimosa J. Gates, which triggered a small staking rush. Development was commenced by the Alaska Exploration Company Ltd. about 1899. This company operated the mine until 1903 (Campbell, 1967; Milner and Craig, 1973). Workings consisted of a 122 m decline and a short drift from the 69 m point. The mine operated for about four years and supplied coal for domestic heating in Dawson City and the Klondike District. The Eureka quartz claim (12535) was staked nearby in October, 1915.

In 1937, J.D. Simpson and associates reopened the mine and drove some short exploratory workings. The property was idle in 1938 but was worked in late 1939 and 1949 by D.W. Ballentine, who sold a few tonnes of coal in Dawson (Bostock, 1941).

Larry Carlyle currently holds coal exploration licences (Y-455, Y-456) covering this area; valid until 27 September, 1996.

DESCRIPTION

Lignite seams occur within micaceous, Tertiary sandstone in the bank of a low, rounded hill (McConnell, 1901). Two seams are present, an upper seam 0.6-0.9 m thick separated by 0.1 m of claystone from a lower seam 0.9 m thick (McConnell, 1901; Campbell, 1967; Hughes and Long, 1980). The seams dip to the northeast in the drift at angles from 3-10° (McConnell, 1901). A 20 cm thick seam of sub-bituminous C coal occurs nearby and was exposed by trenching in 1978 (Hughes and Long, 1980).

COAL QUALITY

McConnell (1901) reports results from two samples: upper seam: M 18.31%, Ash 5.85%, vol. 34.96%, FC 40.88%; lower Seam: M 19.37%, Ash 9.33%, vol. 33.85%, FC 37.45%. Bostock (1938) reports results from analyses of six samples, 4 from the lower seam and 2 from the upper, as follows (dry basis): upper seam - Ash 17.9-19.0%, vol. 36.9-37.4%, FC 44.1-44.7%; lower seam - Ash 12.8-16.1%, vol. 38.5-40.5%, FC 44.1-48.7%, CV 10,510-10,880 BTU/lb, S 0.7-0.8%. Campbell (1967) gives the following results for coal from this mine (as received basis): M 30.7%, Ash 9.6%, vol. 28.1%, FC 31.6% and a gross CV of 7,540 BTU/lb (daf 12,630 BTU/lb).

Hughes and Long (1980) report the following results for a sample from the Gates Mine (20 cm thick seam?): Ash 16.8%, vol. 31.5%, FC 26.8%, CV 16.49 MJ/kg, S 0.55%. This sample had a vitrinite reflectance of 0.40% and is classified as sub-bituminous C (Hughes and Long, 1980).

RESERVES

Unkown.

POTENTIAL FOR DEVELOPMENT

It is unclear how much coal remains at the Rock Creek Mine. Green (1972) states that the deposit is unlikely to be economic again.

Advantages

- 1) Presence of seams of mineable thickness
- 2) Fairly close to Alaska Highway and the town of Dawson

Disadvantages

- 1) Limited information
- 2) Distance to markets (other than local)

RECOMMENDATIONS FOR FURTHER WORK

1) Surficial and underground (if possible) geological mapping to delineate the extent of the coal seams.

2) Trenching and/or drilling on targets defined by mapping in order to determine seam thickness, number and continuity.

35. MORRISON

OTHER NAMES: Yukon Minfile - 116B/ 88

LOCATION AND ACCESS

Latitude: 64°01'25"N, Longitude: 138°41'51"W in NTS 116B/2.

HISTORY

Four coal leases owned by F.W. Morrison, for which the staking records have not been found, were surveyed at this location in September, 1909.

DESCRIPTION

No outcrop has been mapped near the claims but a power supply ditch near the south edge reportedly exposed lignite bearing conglomerate and shale of Eocene age (Bostock, 1942).

Mortensen (1988) maps the area around this locality as unit PEst = Paleocene - Eocene fossiliferous siltstone, sandstone and conglomerate deposited in the Tintina fault zone.

COAL QUALITY

Unknown

RESERVES

Unknown

Property Name: Common COLLIERY Other Gates Mine

Location: Lat. 64°08' Long. 138°56' NTS 116B/2

Metals: Major Minor

Type of Mineral Deposit: Coal

History and Previous Work:

Staked as coal lease 209 in Aug/98 by Mimosa J. Gates, which triggered a small staking rush. Development was commenced by Alaska ECL about 1899. Workings consisted of a 400 ft decline and a short drift from the 225 ft point. The mine operated for about four years and supplied coal for domestic heating in Dawson City and the Klondike District. The Eureka quartz claim (12535) was staked nearby in Oct/15. In 1937, J.D. Simpson and associates reopened the old mine and drove some short exploratory workings. The property was idle in 1938 but was worked in late 1939 and 1940 by D.W. Ballentine, who sold a few tons in Dawson.

Description:

** The Gates Mine produced lignite coal that cropped out with micaceous sandstone in the bank of a low, rounded hill. Two seams are present, an upper bed 0.6 m to 0.9 m thick separated by 0.1 m of claystone from a lower seam 0.9 m thick. Analysis gave 40.99% fixed carbon and 5.9% ash on the upper seam and 37.5% fixed carbon and 9.3% ash on the lower seam, and a gross calorific value between 7.95 and 13.31 MJ/kg from both.

A nearby 20 cm thick coal seam analyzed by the GSC in 1979 contained 16.8% ash, 31.5% volatile matter, 26.8% fixed carbon and 0.55% sulphur. This seam is subbituminous C coal with a gross calorific value of 16.49 MJ/kg.

References:

Ann. Rept. 1900, Pt. A, pp.37-52
M218, pp.13-15

Correspondence from Wm. Ogilvie to Dept. of Interior, Ottawa, Jan/1897;
"Information Respecting the Yukon District, etc." Dept. of Interior, 1987, p.62
M234, p.27

* P79-32, pp.8,13,15,19

APPENDIX C

**INVOICES SUPPORTING
STATEMENT OF COSTS**



LORING LABORATORIES LTD.

629 BEAVERDAM ROAD N.E., CALGARY, ALBERTA T2K 4W7

TEL: (403) 274-2777 FAX: (403) 275 -0541

G.S.T. # R103388666

TO ...CARLYLE GEOLOGICAL SERVICES LTD.,.....

...74 Tamarack Drive,.....

...Whitehorse, Yukon..... Y1A 4Y6.....

ATTN: Larry Carlyle

INVOICE 36738-1

DATE August 25, 1994..

...Coal..... SAMPLES

3	Total Sulphur Analyses	@	13.00	39.00
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
			G.S.T.	2.73
			TOTAL	\$ 41.73

THIS IS YOUR INVOICE, PLEASE PAY THE AMOUNT SHOWN

TERMS - 30 DAYS



INVOICE

INVOICE #160

TO: Larry Carlyle
74 Tamarack Drive
Whitehorse, Yukon
Y1A 4Y6

DATE INVOICE SENT: June 27, 1994

RE: Helicopter Charter

DATE:	June 14, 1994	Ticket #459	HOURS:	0.6
			TOTAL HOURS:	<u>0.6</u>
			FEEES:	\$360.00
			FUEL:	<u>\$ 49.50</u>
			SUBTOTAL:	\$409.50
			GST #128659828 @ 7%:	<u>\$ 28.67</u>
			TOTAL:	\$438.17
			PAYMENT MADE JUNE 14/94:	\$438.17
			BALANCE DUE:	\$ 0.00

THANK YOU FOR YOUR PROMPT PAYMENT.

PAID
(JUN 14 1994)

WHITEHORSE DAWSON CITY
403-668-5888 403-993-5700
Box 5450, Whitehorse, Yukon Y1A 5H4

LARRY or MONIQUE CARLYLE
 74 TAMARACK DRIVE
 WHITEHORSE, Y.T. Y1A 4Y6
 PHONE 833-3910



May 30 1999 519

PAY TO Extra Foods \$ 131.61
 THE ORDER OF one hundred thirty-one 61/100 DOLLARS



ROYAL BANK OF CANADA
 4110 - 4TH AVENUE
 WHITEHORSE, YUKON Y1A 4N7

MEMO Dawson Groceries

Larry H. Carlyle

⑈ 5 1 9 ⑈ ⑆ 0 9 9 5 0 ⑆ 0 0 3 ⑆ 5 1 3 ⑆ 2 8 6 ⑆ 5 ⑆ ⑆ 0 0 0 0 0 1 3 1 6 1 ⑆

LIABILITY FOR LOSS, DAMAGE OR DELAY IS LIMITED BY CARRIER.
 LIABILITY LIMITED TO \$50 FOR LOSS OR DAMAGE HOWSOEVER OCCASIONED
 UNLESS A GREATER VALUE DECLARED AT TIME OF SHIPPING. REFER TO
 TERMS AND CONDITIONS OF CARRIAGE FOR DETAILS OR CONSULT AGENT.



WHITEHORSE Y.T.
 REFERENCE:
 SHIPPER
 CARLYLE GEOLOGICAL SERV.
 629 BEAVERDAM RD NE
 CALGARY AB
 T2K 2T7T
 PREPAID CASH
 CONSIGNEE
 LONGING LABORATORIES
 CALGARY AB

GREYHOUND LINES OF CANADA
 GST NO: R102200136
 BUSBILL NO. 71497061226
 CALGARY AB
 RB

WHITEHORSE 497 010066
 07/18/94 2:31 PM 22
 ACTUAL WEIGHT 9 LBS
 DECLARED VALUE NDV
 1 BOX
 EXPRESS 16:10
 GST 1:10
 TOTAL 17.23

SHIPPER RECEIPT

Sold to / Vendu à

Amount of purchase
 Montant de l'achat

Account may be assigned to:
 Ce compte peut être cédé aux:
Imperial Oil
 Products Division
 Pétrolière Impériale
 Division Produits pétrolière Impériale

Sold by / Vendu par

M M DU YIA

4130634
 Retain this copy / Conserver cette copie
 This financing is subject to the terms and conditions applicable to your card.
 Financement sous réserve des conditions stipulées dans votre contrat de carte de crédit.

Product - Produit	Qty - Qté	Price - Prix	GST-TPS	Amount - Montant
Supreme Diesel Extra Propena	46.22	55.9		37.11
Motor oil Huile moteur				
Total				37.11

Authorization no. / N° d'autorisation: A5093 YT
 Signature: Larry H. Carlyle
 Fuel amount includes PST where applicable. / Montant TVP inclus, s'il y a lieu.

99030041 031744

DATE

5 884105

THE GAS SHACK
 W PASS-DWSN C
 CHARGEX SALES DRAFT - FACTURE

PLEASE RETAIN THIS COPY AS A RECORD OF YOUR TRANSACTION
 CONSERVEZ CETTE COPIE COMME PREUVE DE VOTRE TRANSACTION

TOTAL \$ 43.00

VISA

BEST ATTAINABLE IMAGE

CUSTOMER COPY - COPIE DU CLIENT

inte graphics Ltd.

4110 Strickland Street
Whitehorse, Yukon
Y1A 2K3
Phone : (403) 667-4639
Fax : (403) 668-2734

INVOICE No.: 24939

YUKON'S COMPLETE QUALITY PRINTING CENTRE

CUSTOMER: Harry Carlyle

ADDRESS: _____

CONTACT: _____ PHONE: _____

DATE IN: 22 June 94

DATE REQ'D: _____

RUSH:

JOB OR PROJ. NO.: _____

P.O. NO.: Cash Sale

DIAZO
PHOTOCOPY 2520
LASER
SUPPLIES / OTHER

DRAWING TITLE OR JOB NO.	NO. OF ORIG'S	NO. OF COPIES	DESCRIPTION	SIZE	SQ FT/ TOTALS	UNIT PRICE	TOTAL PRICE
			BLACK / BLUE LINE				
			BLACK / BLUE LINE				
			DILAR BLK SEPIA				
			STAPLE / TAPE				
			FOLDED				
			BOND / VELLUM / FILM				
			SS DS				
			SS DS				
			SS DS				
			CERLOXBOUND				
			COVERS Card Acetate				
			OHP.				
			SLIDE / NEG. SET UP				
<u>Paler Sun Gle 7l. orange Flagging 6x5</u>					<u>10</u>	<u>2.15</u>	<u>21.50</u>
<u>h-h. Fuler Note Refill #362</u>					<u>1</u>	<u>16.15</u>	<u>16.15</u>
<u>VISA AMR 30988</u>							
<u>Paul</u>							
<u>(Signature)</u>							

G.S.T. REG. NO. R102500287

TERMS : Net 30 Days from Date of Invoice 2% Per Month
Charged on Overdue Accounts

Docket No. _____

SUB TOTAL	37.65
G.S.T.	2.64
TOTAL	40.29

International Communications
 #303 BLACK STREET
 Whitehorse, Yukon Y1A 2N1
 (403) 668-2255

INVOICE INVOICE
 009472

TO:

LARRY CARLYLE
 74 TAMARACK DRIVE
 Whitehorse, Yukon
 Y1A 4Y6

SALESPERSON	DATE OF INVOICE
	06-16-94
SHIP TO	
SAME	

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL P.P.	F.O.B. POINT	TERMS	YOUR ORDER NUMBER	
CARLYL					Net 7 DAYS		
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
# 1	RADRENT RADIO RENTAL					62.50	62.50
<p><i>JUNE 1 - 16</i></p> <p><i>PAID visa June 21st</i></p> <p>INTERNATIONAL COMMUNICATIONS CORP. 303 Black Street WHITEHORSE, YUKON Y1A 2N1 Phone 668-2255 Fax 668-2633</p>							
ALL INVOICES PAYABLE UPON RECEIPT						Net amount	62.50
2%/MONTH(26.8%/annum) ON OVERDUE						Discount	
						Shipping	
						G.S.T.# R102510526	4.38
<i>Thank You</i>						TOTAL	\$66.88

1 GLMRS POSSIBLE
SHORT TERM
3 MONTH
5/15/94

INDUSTRY/INDUSTRIE CANADA
 CSH 94.05.31 11:57:57
 SHORT TERM

COMPANY CODE COMPANIE: 25-080197137
 RECEIPT # RECU: 140349
 Amount/Montant: \$ 36.00
 Visa : 4510409427444

PHONE: (403) 633-7575

FAX (403) 633-7566



103 ELLIOTT ST.
WHITEHORSE, YUKON, Y1A 1Z9

"The Business Person's Department Store"

DATE June 15 1994

NAME _____

ADDRESS _____

POSTAL CODE _____

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Mech. Pencil		6.99
1	Pkg Lead		1.35
			8.34
			(1.83)
			7.51
		SUB TOTAL	
		GST	52.
		SUB TOTAL	
CLERK	CASH	C.O.D.	CHARGE
I HAVE RECEIVED THE ABOVE IN GOOD ORDER.			TOTAL
X			8.03

FLATPAKIT 1 YUKON OFFICE SUPPLIES

MCKORE CLEAN PRINT® • Quality 2010 PATENTED 1983 1986 1979

G.S.T. NO. R103729455

PHONE: (403) 633-7575

FAX (403) 633-7566



103 ELLIOTT ST.
WHITEHORSE, YUKON, Y1A 1Z9

"The Business Person's Department Store"

DATE Aug 10 1994

NAME _____

ADDRESS Lask

POSTAL CODE _____

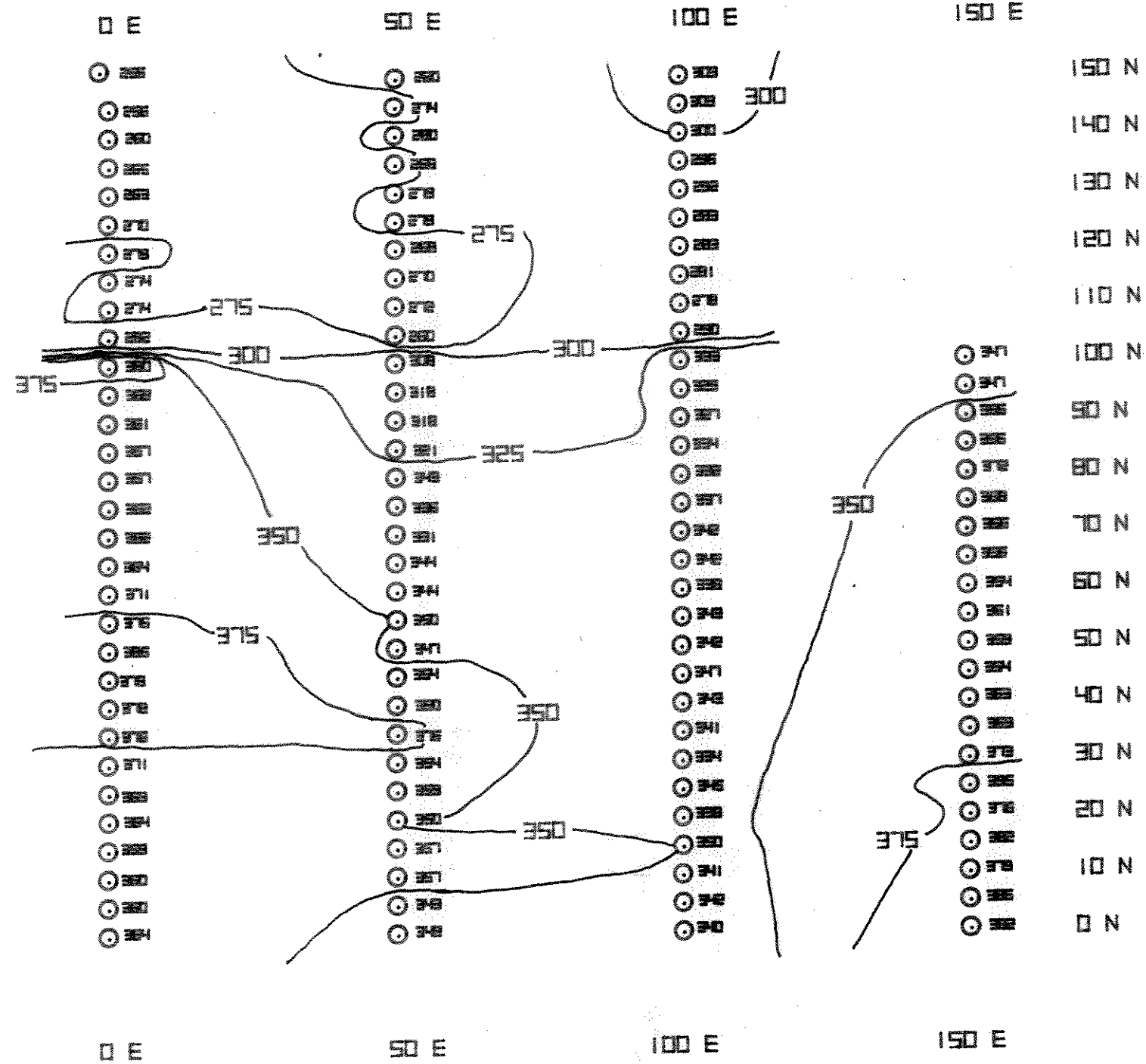
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21	11x17 Copies	15	3.15
5	Quaternions	50	2.50
			5.65
		SUB TOTAL	
		GST	39
		SUB TOTAL	
CLERK	CASH	C.O.D.	CHARGE
I HAVE RECEIVED THE ABOVE IN GOOD ORDER.			TOTAL
X			6.04

FLATPAKIT 1 YUKON OFFICE SUPPLIES

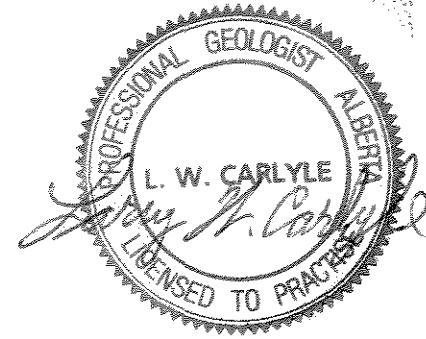
MCKORE CLEAN PRINT® • Quality 2010 PATENTED 1983 1986 1979

G.S.T. NO. R103729455

GATES
MINE
DECLINE

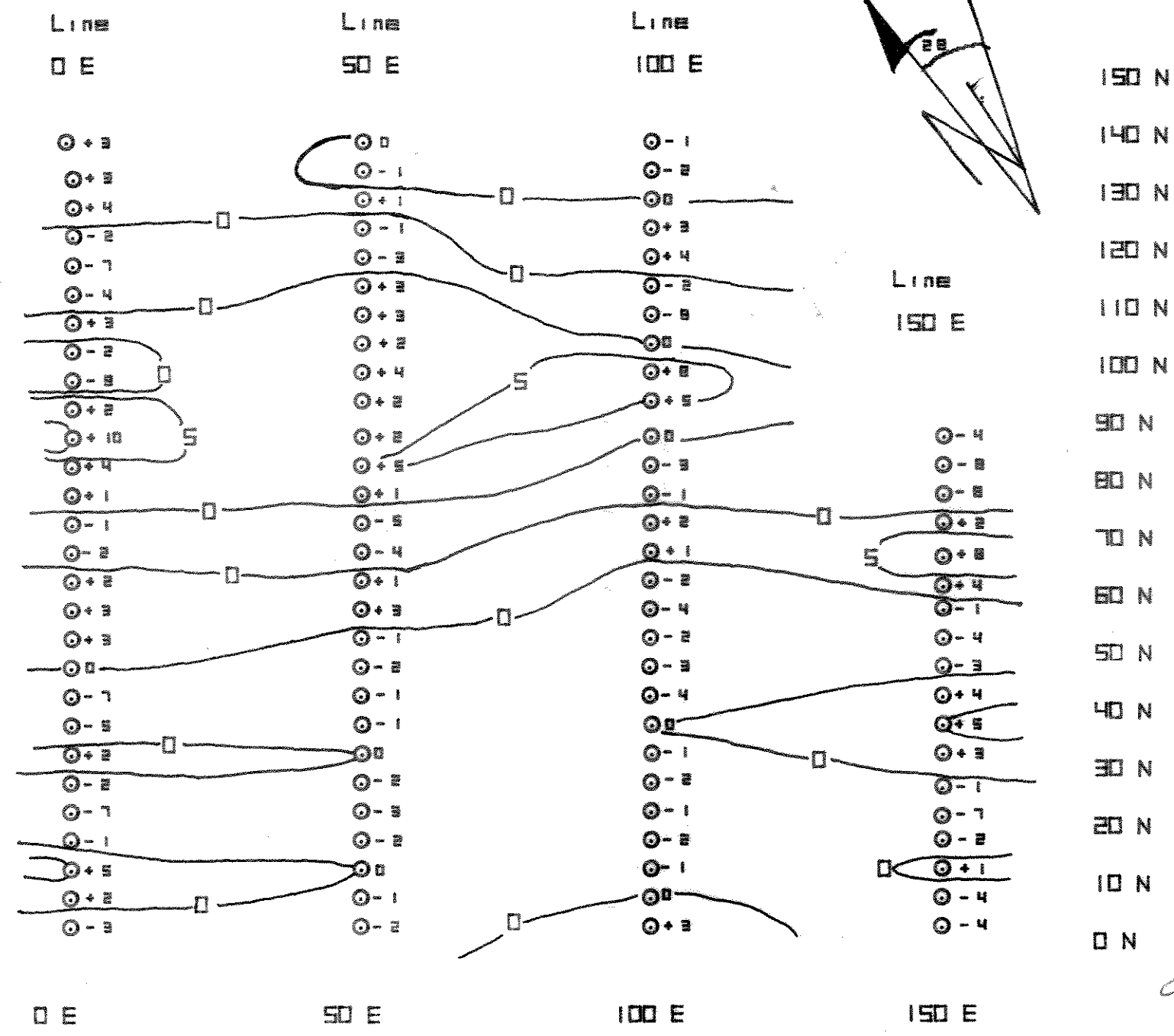


093240

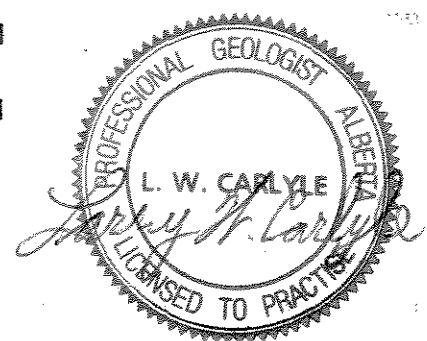


GATES MINE VLF SURVEY JUNE 8/94
 FIELD STRENGTH DATA SEATTLE TRANS.
 SCALE: 1 : 2000

GATES
MINE
DECLINE



093240



GATES MINE VLF SURVEY JUNE 8/94
FRASER FILTERED DATA SEATTLE TRANS.
SCALE: 1: 2000

GATES
MINE
DECLINE

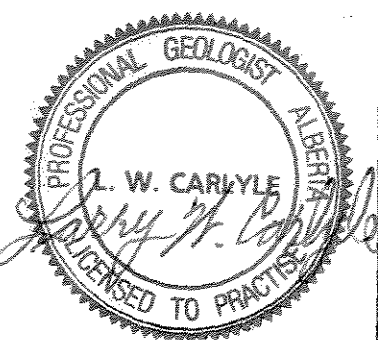
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0+2	00	0+2		140 N
0+1	0+2	0+2		130 N
0+2	00	0+1		120 N
0+4	0+1	0+2		110 N
0+3	0+2	0+2		100 N
0+1	0-2	0+4		90 N
0-1	0+2	0+4		80 N
0+1	0+1	00		70 N
0+2	0+2	00		60 N
0-4	0+2	0+4	0+2	50 N
0-2	0+4	0+4	0+2	40 N
0+2	0+2	0+2	0+4	30 N
0+2	0+2	0+2	0+1	20 N
0+2	0+2	0+2	0-2	10 N
0+2	0+4	0+4	0-1	0 N
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00	0+1	0-1	00	
0+1	0+2	0-2	00	
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OLD
TRENCH

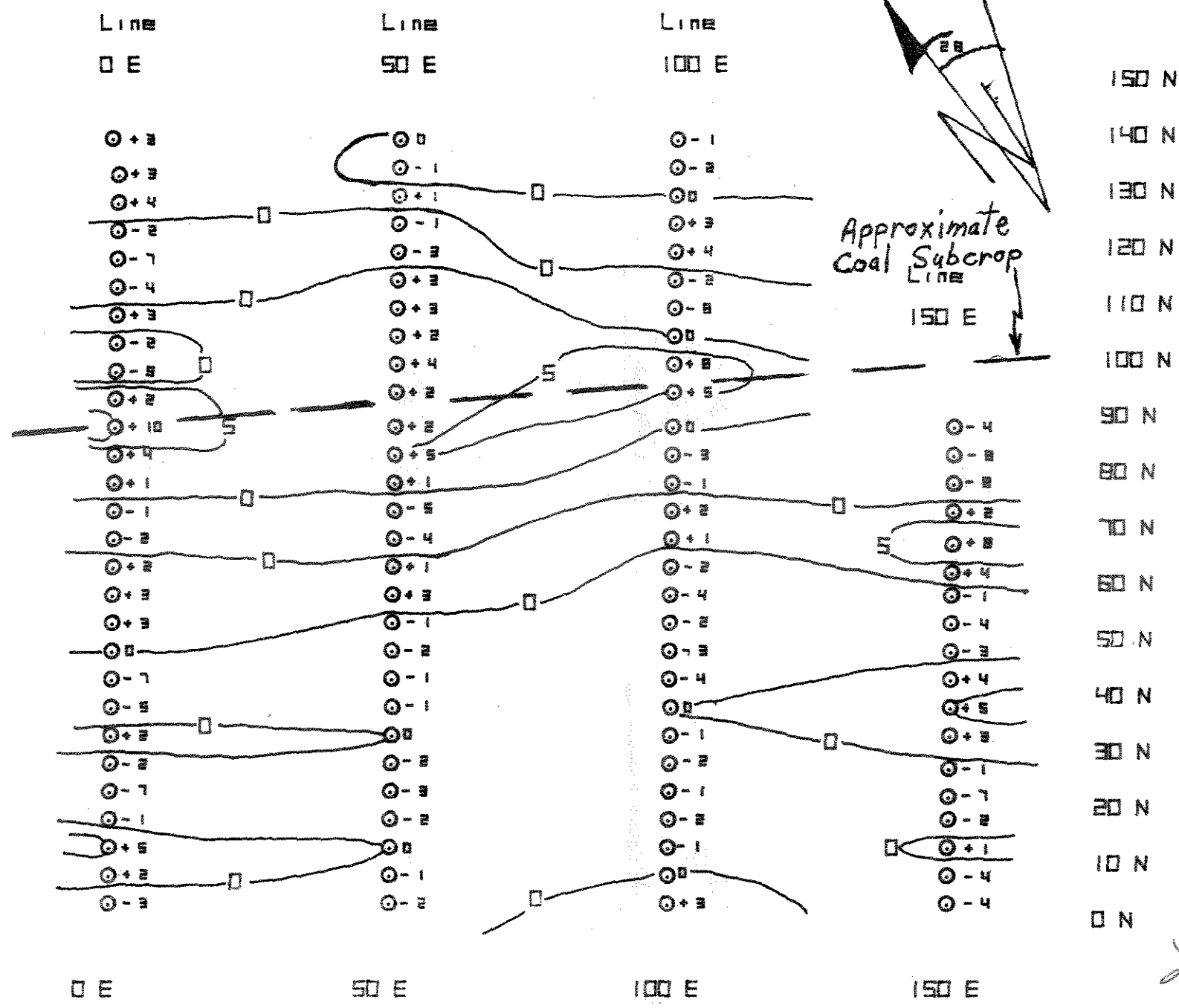
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TRENCH



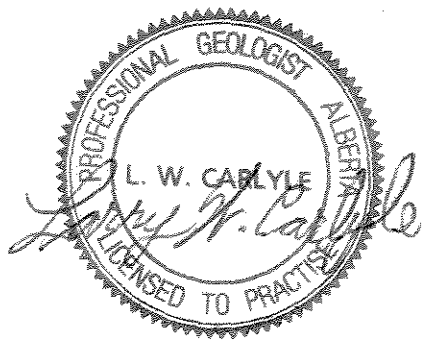
GATES MINE VLF SURVEY JUNE 8/94
150 E RAW DIP ANGLE DATA SEATTLE TRANS
SCALE: 1: 2000

0 E 50 E 100 E

GATES
MINE
DECLINE



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GATES MINE VLF SURVEY JUNE 8/94
FRASER FILTERED DATA SEATTLE TRANS.
SCALE: 1: 2000