



42C04SE0037 2.11201 DAVID LAKES

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CENTRAL CRUDE LIMITED
JOUTEL RESOURCES LIMITED

SUMMARY REPORT ON GEOCHEMICAL SOIL SURVEY

THE PUKASKWA RIVER PROJECT
MISHIBISHU LAKE AREA, ONTARIO

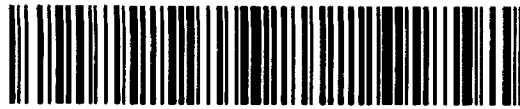
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MINING LANDS SECTION

APRIL 29, 1988

CHARLES E. PAGE
CONSULTING GEOLOGIST



42C04SE0037 2.11201 DAVID LAKES

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1.0 INTRODUCTION

Through October 1987 to February 1988 Central Crude Limited completed a program of linecutting, ground geophysics and soil sampling on the Pukaskwa River property held by Joutel Resources Limited.

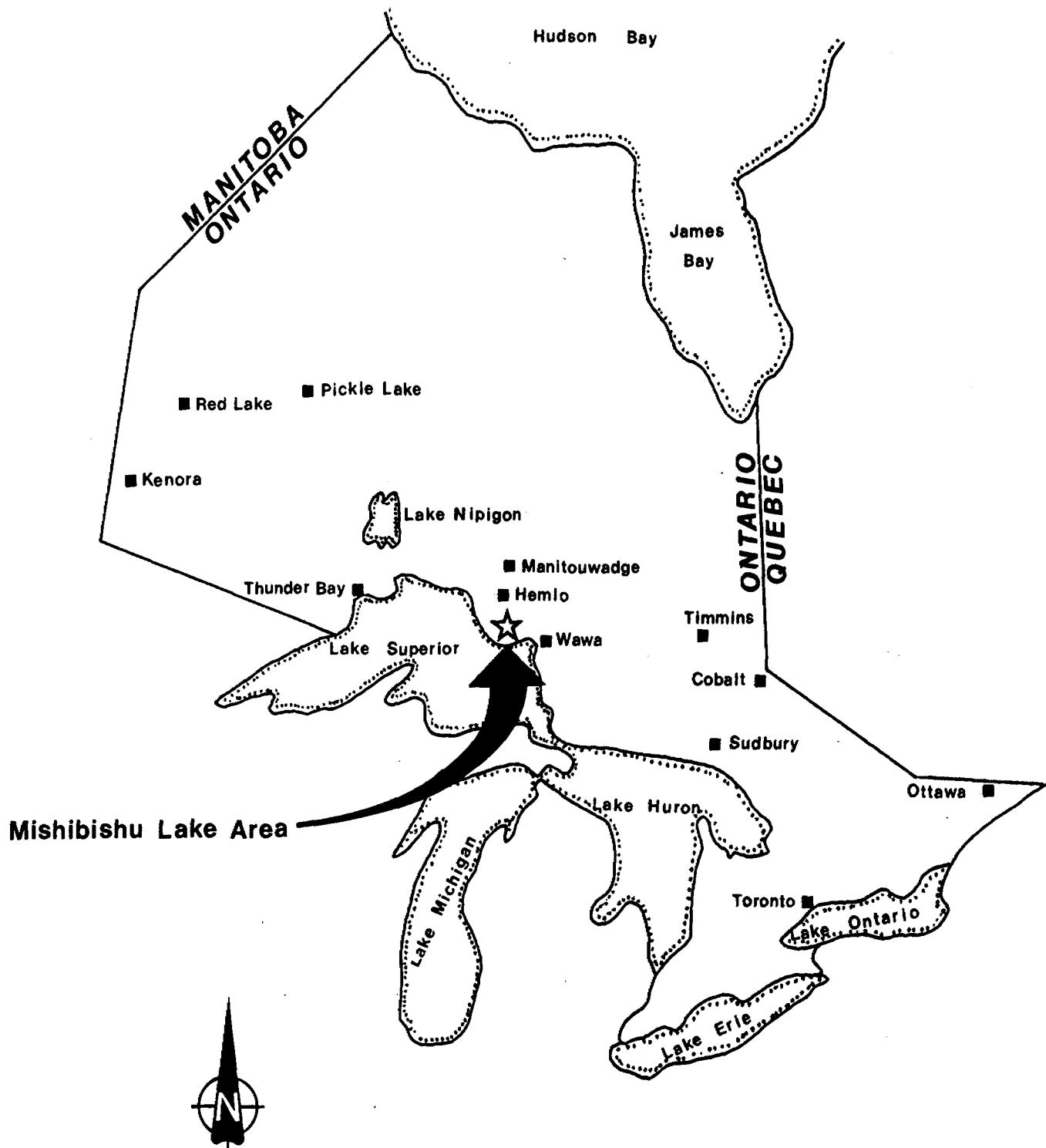
This report presents the results of the soil geochemical survey carried out over the northeast portion of the property employing a control grid. A total of 1,356 B horizon soil samples were collected at 25 m spacings and analyzed for gold, arsenic, copper and zinc.

2.0 LOCATION AND ACCESS

The Pukaskwa River property is located in the western portion of the Sault Ste. Marie Mining Division, approximately 17 km north of Lake Superior, 56 km west of Wawa and 72 km south of Hemlo (fig. 1).

The property is located in the north-central part of the Mishibishu Lake volcanic belt at approximately latitude 48 degrees 5 minutes north and longitude 85 degrees 40 minutes west. This property is bordered by San Paulo Explorations to the east and Caribbean Resources to the west (fig. 2). The Magnacon gold deposit is located approximately 12 km to the east.

Access to the property is available only by helicopter. There are no lakes of suitable size in the vicinity for fixed wing aircraft. In 1987 a gravel road was completed to the Magnacon deposit which provides access to Highway 17.



LOCATION MAP

- Figure 1 -

**CENTRAL CRUDE LIMITED
PROPERTY HOLDINGS**

- | | |
|---------------------------|----------------------------|
| 1. Eagle River | 4. University River, East |
| 2. Macassa Creek | 5. University River, North |
| 3. University River, West | 6. Mishibishu West |

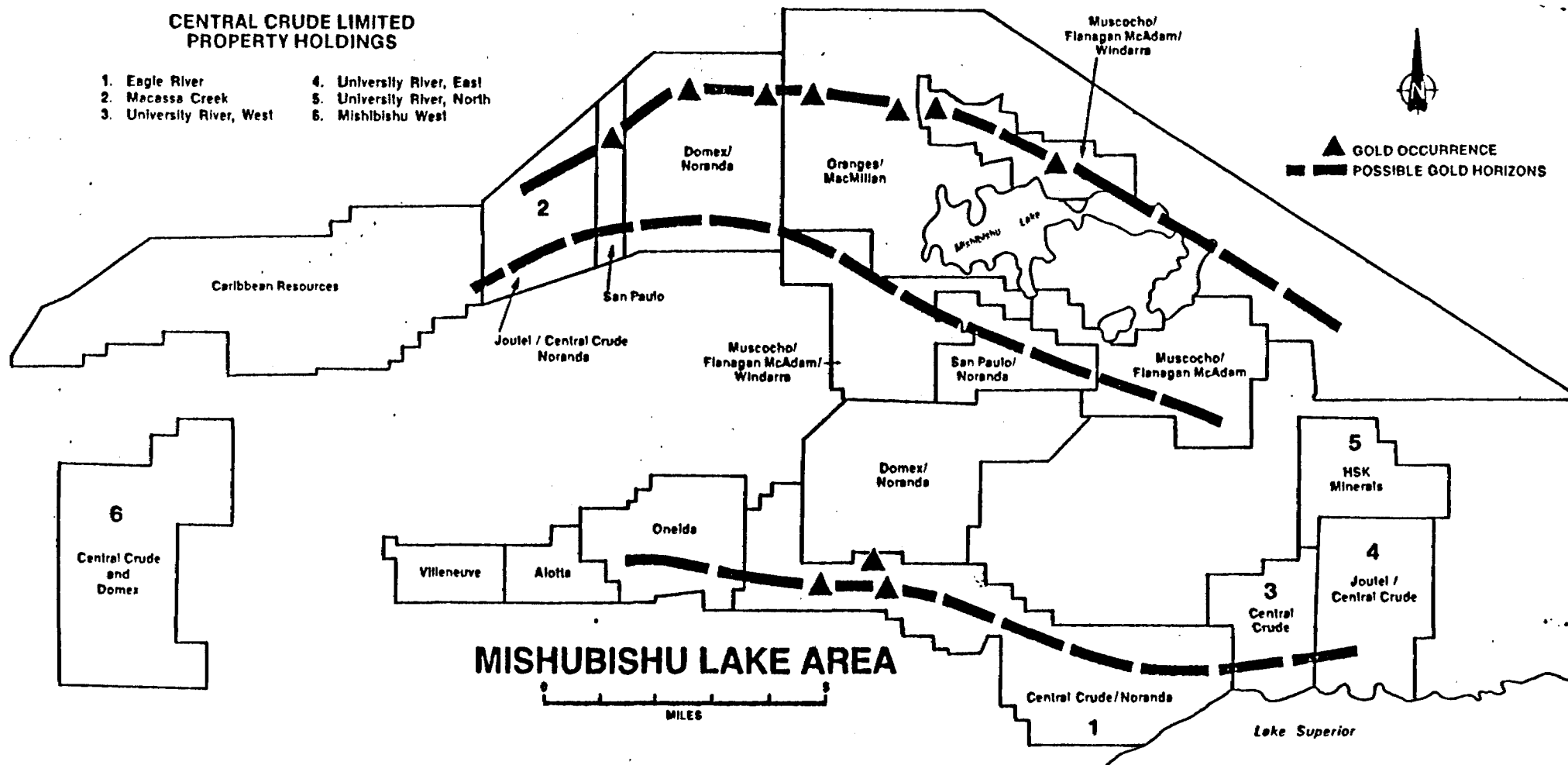


Figure 2

3.0 PROPERTY DESCRIPTION

The property consists of 99 unpatented mineral claims comprising approximately 1,600 hectares in the area of Davids Lake, plan number M-12, in the Sault Ste. Marie Mining Division (fig. 3). The claims are recorded in the name of Joutel Resources Limited and are numbered as follows:

SSM 779314 TO SSM 779376 inclusive, recorded June 11, 1984

SSM 809927 TO SSM 809962 inclusive, recorded June 11, 1984

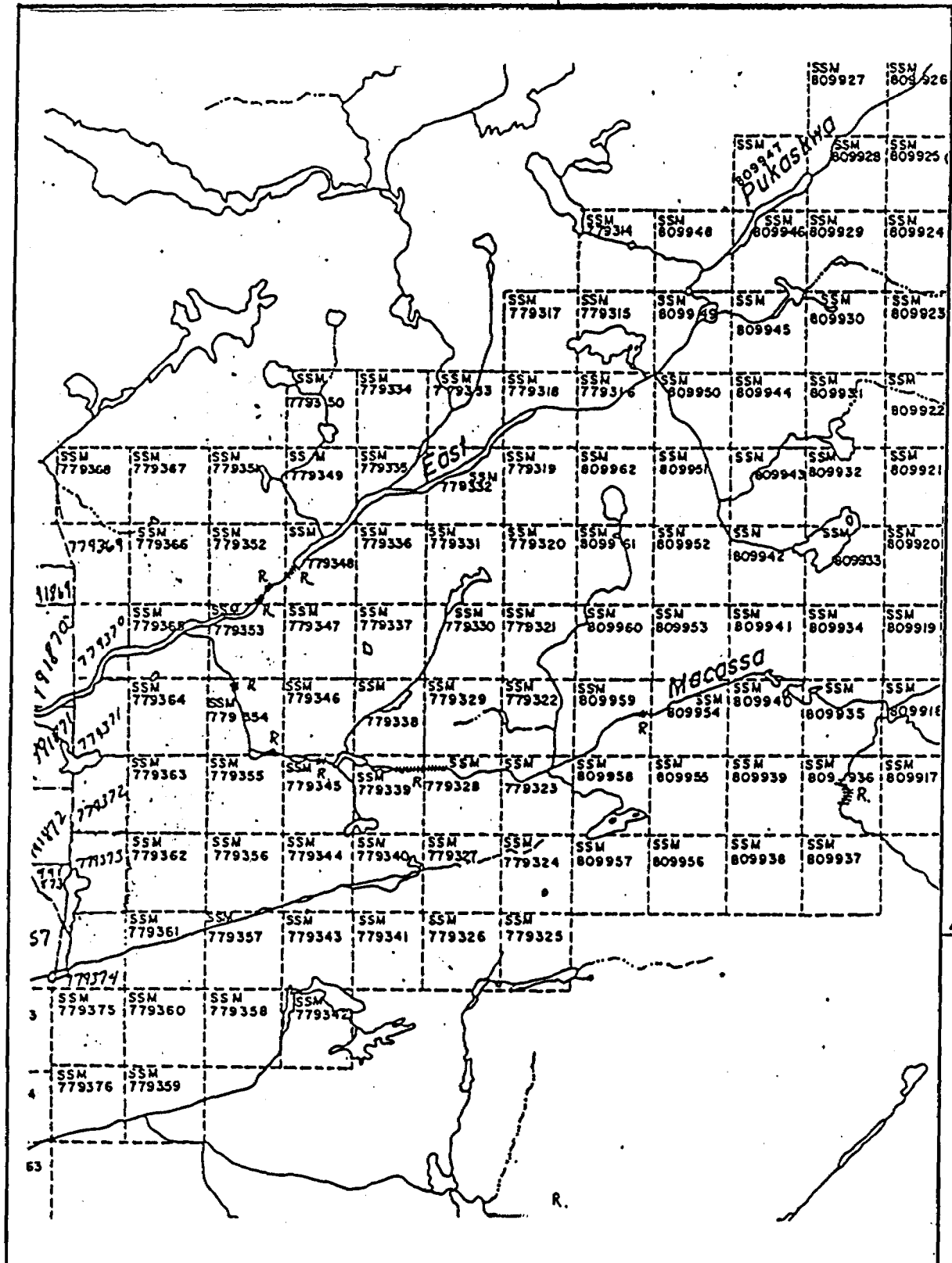
4.0 EXPLORATION HISTORY

Historically the Mishibishu Lake belt has been inconsistently explored due to the limited accessibility. The entire belt was covered by an airborne electromagnetic survey by Asarco Exploration of Canada in 1972. A number of conductors were checked with the nearest to the property located approximately 5 km east. In this area a drill hole reported an intersection of 0.08 oz. gold/ton over 2.9 feet. There is no evidence in the field or in the assessment records of any ground work being performed on the Pukaskwa property.

The property was covered by two other airborne geophysical surveys, in 1983 (Aerodat) and in 1985 (Terraquest).

Reconnaissance field work was done in 1985 by W. McGuinty on behalf of Joutel Resources mostly on the southern portion of the claim group in the vicinity of a series of airborne conductors. Several short traverse lines were run with pace and compass. Six airborne conductors were confirmed by VLF and a total of 98 soil and rock samples were taken.

85° 33'



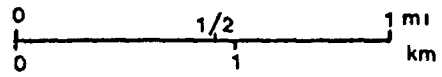
48° 05'

Central Crude

David Lakes Area, Plan M-12

CLAIM MAP

Fig. 3



5.0 GENERAL GEOLOGY OF THE MISHIBISHU LAKE BELT

The Mishibishu Lake belt was first mapped in 1940 by E.L. Evans for the Ontario Department of Mines. In 1968, G. Bennett and P.C. Thurston remapped the belt on a scale of 1:63,360 and this work was published by the Ontario Ministry of Natural Resources (Geoscience Report 153). In 1985, the belt was remapped by Bowen and published on Preliminary maps P2970, 2968, 2971 and 2972.

The Mishibishu Lake belt represents an isolated arc shaped mass of metavolcanic and metasedimentary rocks situated in the central portion of the Wawa greenstone belt. It has an east-west orientation measuring 16 km wide and 55 km long and is composed of a complex series of mafic and felsic volcanic rocks with associated sequences of metasediments. The volcanic rocks have been intruded by early Precambrian gabbroic bodies and mid to later Precambrian diabase dikes and Proterozoic lamprophyres.

Three major granitic batholiths intrude the volcanic belt to form north south limbs. The two larger felsic intrusions grade from granite to granodiorite to quartz monzonite and the stock in the vicinity of Mishibishu Lake is composed of quartz monzonite and porphyritic syenite.

The western and southern portions of the belt are represented by mafic, intermediate and felsic metavolcanic rocks with only minor sequences of metasediments. Along the north and eastern portions of the belt, metasedimentary rocks occur more frequently with fringe margin sequences of metavolcanic rocks. Isolated discontinuous units of iron formation occur in mafic volcanic rocks in the western and southern portions of the belt. The most continuous zone of iron formation occurs in a metasedimentary horizon north of Missing Lake in the central portion of the belt.

Numerous northeast and southwest trending lineaments visible on topographical maps and air photos indicate the presence of faults and shear zones. Displacement along these structures appear minor.

The Ontario Geological Survey have identified three deformation zones in the belt associated to sheared and strained linear features near major volcanic-sedimentary contacts (fig. 4). The most extensive is the Mishibishu Deformation Zone located on the north limb of the belt hosting the Magnacon deposit and other significant gold discoveries. A second is the Eagle River Deformation zone located on the south limb of the belt hosting the No Name Lake gold discoveries of Hemlo Gold and Central Crude Limited. The third is the Rook Lake Deformation Zone which occurs south of the Mishibishu Lake Stock and extends westward along the southern margin of the north limb of the belt. These high strain zones offer excellent potential for gold exploration.

6.0 PROPERTY GEOLOGY

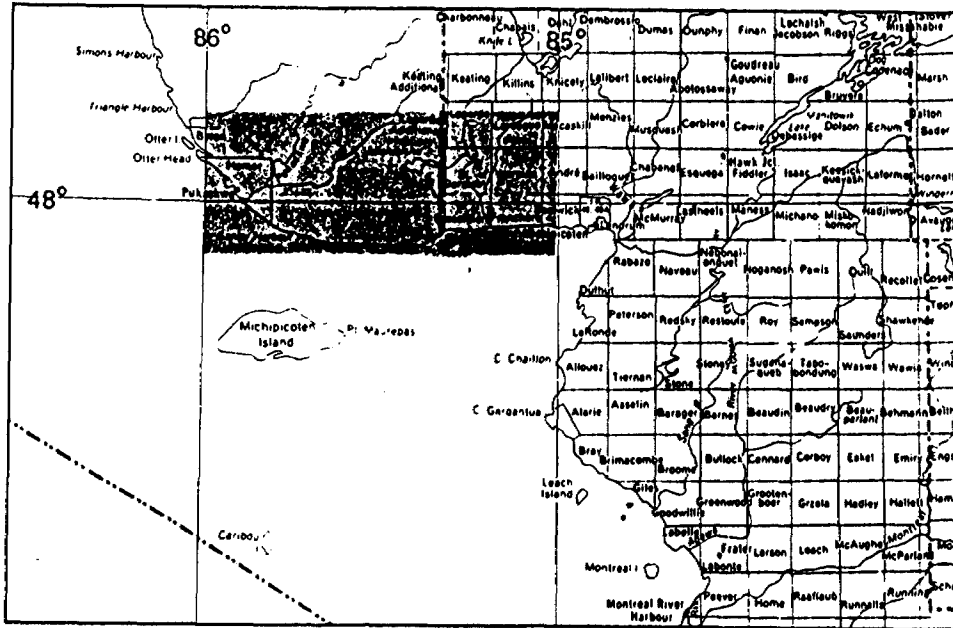
The Pukaskwa Property straddles the north limb of the Mishibishu Lake belt. Generally the property is underlain by a thick, northeast-southwest trending, northwest dipping sedimentary basin flanked on the north and south by mafic to felsic metavolcanic rocks. This volcanic / sedimentary sequence measures some 4.5 km thick and is bordered to the north and south by batholithic granitoid rocks.

The northern metavolcanic sequence is principally composed of tholeiitic basalt and mafic tuff. Intercalated with this sequence are units of lapilli tuff and crystal tuff.

The central metasedimentary sequence represents a package comprising units of wacke, conglomerate and argillite. The central portion of this sequence is represented by conglomerate with interlayers of wacke which grades dominantly into wacke to the north and wacke/argillite to the south.

The southern metavolcanic sequence is composed of a felsic flow and tuff unit flanked to the north and south by mafic and intermediate metavolcanics.

Two shear or deformation zones occur on the property lying conformable to the stratigraphy. The north zone represents the western extension of the Mishibishu Lake Deformation Zone which hosts the Magnacon deposit and other gold discoveries to the east. This deformation zone occurs near the northern metavolcanic / metasedimentary contact in the northeastern portion of the property. The western extent of this deformation zone is not known. The south zone represents the western extension of the Rook Lake Deformation Zone. It occurs in the southern metavolcanic sequence along the mafic / felsic volcanic contacts.



LOCATION MAP

Scale: 1:1 584 000 or 1 inch to 25 miles

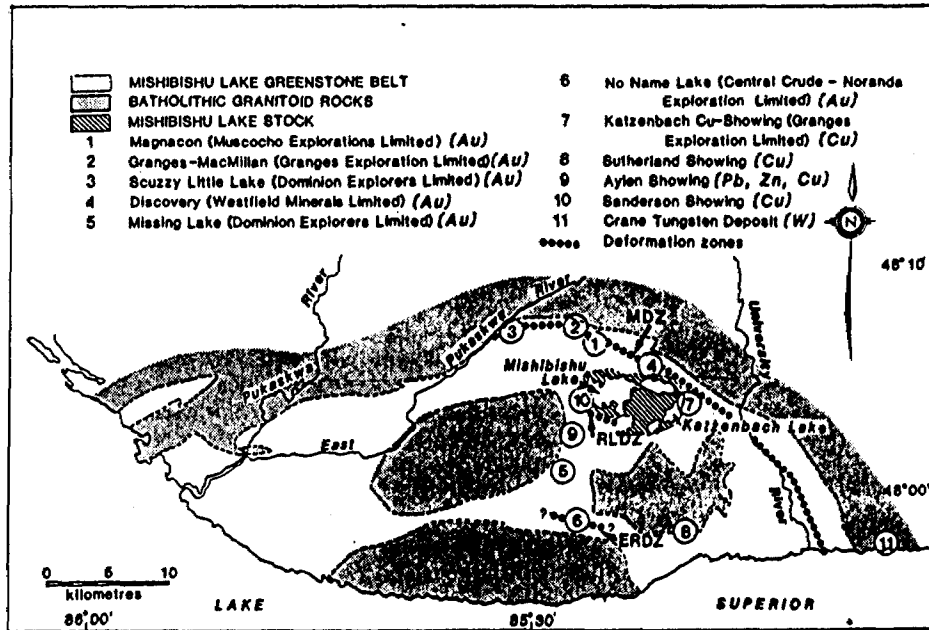


Fig. 4 General Geology of the Mishibishu Lake Belt (after Heather, 1986)

7.0 MINERALIZATION

The Pukaskwa Property has never been explored in detail. The only recorded ground prospecting was done on the reconnaissance scale in 1985 by W. McGuinty under the employ of Joutel Resources. Based on the results of this work three types of mineralization have been defined to date : a) base and precious metals in graphitic horizons; b) gold in narrow quartz-tourmaline veins; and c) gold in pyrite and carbonate bearing sediments.

Nine rock samples collected by McGuinty (1985) were analyzed. A sample from a graphitic unit corresponding with an electromagnetic unit on the Rook Lake Deformation Zone in the southwestern quarter of the property returned 35 ppb gold, 1.43% zinc and 150 ppm copper.

Quartz-tourmaline veins have been encountered in the northern volcanic sequence and are known to occur in this unit east of the property boundary. They are variable in width and those observed by McGuinty (1985) are generally less than 30 cm wide. A sample of this vein type, with 1 to 2% pyrite, returned a value of 40 ppb gold.

Weak gold mineralization was encountered in a chloritic silt unit carrying carbonate and 2 to 3% pyrite, within the conglomerate of the central sedimentary sequence. The sample taken by McGuinty (1985) returned 30 ppb.

The highest gold values returned from the reconnaissance sampling of 1985 are weak but indicate above background values and indicate that three different geological environments might have some potential and are worth exploring further.

8.0 GEOCHEMICAL SOIL SURVEY

A soil geochemical survey was carried out over a control grid on the northeastern portion of the property north of the base line between lines 10+00 E and 30+00 E. A total of 1,356 B horizon soil samples were collected at a 25 m spacing. The samples were sent to Assayers Ontario Limited in Toronto and analyzed for gold, arsenic, zinc and copper.

Results of this survey are displayed on the maps accompanying this report. Chemical analyses are enclosed as appendix A

Three coincident anomalous Au, As and Zn zones occur over the survey area related to specific geological units. Anomalous zones represent Au values in excess of 50 ppb, with As and Zn in excess of 50 ppm. Cu provided no anomalous results.

Zone 1

This zone occurs between the East Pukaskwa River and tie line 12+00 N striking in a northeast/southwest direction for a length of 1,900 m. It is composed of three anomalies which from east to west become narrower and less continuous. This zone overlies and is conformable to a 500 m thick sequence of mixed volcanic and pyroclastic rocks.

The eastern gold anomaly is elliptical in shape measuring up to 400 m wide recording values up to 90 ppb. The western extent of this anomaly is unclear due to incomplete survey coverage. As and Zn values related to this anomaly record up to 200 ppm and 80 ppm respectfully.

The central anomaly measures 350 m long recording Au and As values up to 100 ppb and 127 ppm respectfully. No anomalous Zn values are associated to this anomaly.

The western anomaly measures 300 m long recording Au, As and Zn values up to 90 ppb, 60 ppm, and 95 ppm respectfully.

Zone 2

This zone occurs between the grid base line and tie line 12+00 N. It is represented principally by a series of gold anomalies which generally trend in a northeast/southwest direction across the property. This zone is underlain by a 1,200 m thick sequence of metasedimentary rocks composed of greywacke, conglomerate and argillite.

A series of three discontinuous gold anomalies lie south of line 12+00 N trending across the northern portion of this zone. Each of these anomalies measure approximately 300 m in length and record gold values up to 100 ppb. These anomalies have no significant As or Zn association.

In the east/central portion of this zone a large area of anomalous gold values occur between lines 18+00 E and 26+00 E. It appears that this area is represented by a stacked series of narrower anomalies that trend northeast/southwest and record gold values up to 100 ppb. No significant As or Zn anomalies occur in this area.

In the western portion of this zone two closely spaced gold anomalies occur centered on line 14+00 E. The northern anomaly trends northeast/southwest for 150 m and records values up to 120 ppb. The southern anomaly is the strongest on the property trending in a northwest/southeast direction. This anomaly measures 400 m long with values to 200 ppb. No elevated As or Zn values are associated to this anomaly. The only reported Cu anomaly (398 ppm) occurs in this vicinity on line 15+00 E, 600 m north of the baseline.

A single 100 ppb gold anomaly occurs on line 11+00 E approximately 200 m north of the base line.

The largest and most extensive Zn anomaly occurs in this zone on line 19+00 E extending 400 m north of the base line. This grid north/south trending anomaly records values up to 315 ppb and may represent concentration associated to a diabase dike or fault zone.

Zone 3

This zone is located south of the base line underlain by a mixed sequence of argillaceous metasediments and intermediate volcanics. Only four lines were sampled in this area identifying 3 northeast/southwest trending anomalies.

The northern anomaly is 200 m wide with a peak value of 110 ppb located 25 m south of the base line on line 19+00 E.

Two smaller, one line anomalies occur to the south on line 18+00 E recording values up to 103 ppb and 80 ppb respectively.

Located 2,800 m to the west on lines 10+00 W and 8+00W is a stacked anomaly centered 200 m south of the base line. Here Au, Zn, As values of 62 ppb, 182 ppm and 225 ppm respectively occur suggesting the possible western extension of Zone 3.

9.0 CONCLUSIONS AND RECOMMENDATIONS


The results of the geochemical soil survey over the northeastern portion of the property has identified three zones of anomalous Au, Zn and As levels in soils overlying three separate distinct lithologies. All anomalies are semi-conformable to the geology and deformation zones in the area.

East of the property Dominion Explorers, Granges Exploration and Muscocho Explorations have made gold discoveries along the Mishibishu Lake deformation zone. This deformation zone has been projected to extend onto the Pukaskwa property in the vicinity of the soil survey.

Since anomalous gold values have been determined in soils in the vicinity of a known gold bearing deformation zone the results are considered significant and further work is warranted. To further define and trace the extent of the existing soil anomalies as well as test the Rook Lake deformation zone on the southern portion of the property a complete soil survey of the Pukaskwa property is recommended.

In addition detailed geological mapping and prospecting is recommended over the entire property with specific emphasis in the vicinity of the Mishibishu Lake and Rook Lake deformation zones.

Respectfully submitted,


C. E. PAGE
GEOLOGICAL ASSOCIATION OF CANADA
FELLOW
Charles E. Page, M.Sc. F.G.A.C.,
Consulting Geologist

April 29, 1988

2.2990

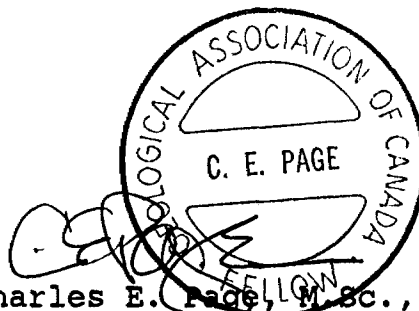
CERTIFICATE OF QUALIFICATION

I, Charles E. Page, of 1454 Westbury Avenue, in the City of Burlington, in the Province of Ontario,

DO HEREBY CERTIFY:

1. THAT I am a graduate of Brock University (1975) with a degree of Bachelor of Science (B.Sc) with Honours in Geological Sciences, and the University of Waterloo (1983) with the degree of Master of Science (M.Sc) in Earth Sciences.
2. THAT I am a Fellow of the Geological Association of Canada.
3. THAT I have been practicing my profession as a geologist and engaged in exploration since 1975.
4. THAT I have worked in the Mishibishu Area for five seasons since 1983 carrying out exploration. I have worked intermittently in northern Ontario since 1975.
5. THAT I have supervised the exploration carried out on the property disclosed in this report.

April 29, 1988



Charles E. Page, M.Sc., FGAC
Consulting Geologist
Burlington, Ontario, Canada

REFERENCES

- Bennett, G., Thurston, P.C., 1977: Geology of the Pukaskwa River-University River Area, Ontario Ministry of Natural Resources, Geoscience Report 153.
- Bowen, R.P., Logothetis, J., and Heather, K.B., 1986: Precambrian Geology of the Mishibishu Lake Area, Northeastern Section, Districts of Thunder Bay and Algoma; Ontario Geological Survey Map P2969, Geological Series Preliminary Map, scale 1:15 840 or 1 inch to 1/4 mile.
- Heather, K.B., 1986: Mineralization of the Mishibishu Lake Greenstone Belt, in Summary of Field Work and other Activities, Ontario Geological Survey, Miscellaneous Paper 132.
- McGuinty, W.J., 1985: Report on the Macassa Creek Property, Mishibishu Lake Area, for Joutel Resources Limited., Company Report.

APPENDIX A
TO PUKASKWA RIVER REPORT
GEOCHEMICAL RESULTS



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/01/7243

Date: December 23, 1987

Received _____ 276 Samples of Soils

Submitted by Sears, Barry & Associates Att'n: Mr. C. E. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L-10E 0+00N	39	L-10E 8+75N	22	L-10E 15+00N	30
0+25N	15	9+00N	42	15+25N	18
0+50N	36	9+25N	34	15+50N	15
0+75N	39	9+50N	33	L-10E 15+75N	19
2+00N	24	9+75N	38	L-11E 0+00N	18
2+75N	33	10+00N	35	0+25N	15
3+00N	25	10+50N	42	0+50N	14
3+25N	47	10+75N	51	0+75N	24
3+50N	36	11+00N	55	1+00N	15
3+75N	38	11+25N	39	1+25N	33
4+50N	42	11+50N	35	1+50N	32
5+75N	26	11+75N	19	1+75N	19
6+00N	41	12+00N	20	2+00N	N/S
6+00N	56	12+50N	21	2+25N	20
6+25N	65	12+75N	25	2+50N	15
6+50N	60	13+00N	15	2+75N	22
6+75N	30	13+75N	38	3+00N	46
7+00N	19	14+00N	33	3+25N	19
7+25N	28	14+25N	17	3+50N	28
7+50N	37	14+50N	44	3+75N	N/S
7+75N	36	L-10E 14+75N	27	4+00N	12
L10E 8+50N	35				

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr.



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L-11E 4+25N	21	L-11E 9+50N	12	L-11 14+75N	11
4+50N	N/S	9+75N	27	15+00N	16
4+75N	N/S	10+00N	25	15+25N	28
5+00N	N/S	10+25N	33	15+50N	20
5+25N	N/S	10+50N	N/S	15+75N	37
5+50N	19	10+75N	N/S	16+00N	20
5+75N	15	11+00N	N/S	16+25N	27
6+00N	34	11+25N	19	16+50N	23
6+25N	31	11+50N	11	16+75N	N/S
6+50N	18	11+75N	N/S	L-12 E 0+00N	25
6+75N	15	12+00N	22	0+25N	23
7+00N	N/S	12+25N	33	0+50N	16
7+25N	30	12+50N	29	0+75N	N/S
7+50N	17	12+75N	90	1+00N	14
7+75N	N/S	13+00N	15	1+25N	22
8+00N	18	13+25N	11	1+50N	29
8+25N	25	13+50N	30	1+75N	36
8+50N	30	13+75N	22	2+00N	32
8+75N	37	14+00N	30	L-12 2+25N	44
9+00N	N/S	14+25N	N/S		
L-11E 9+25N	16	L-11E 14+50N	N/S		

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L12E 2+50N	100	L12E 8+00N	50	L12E 13+50N	26
2+75N	46	8+25N	43	13+75N	22
3+00N	24	8+50N	40	14+00N	19
3+25N	74	8+75N	N/S	14+25N	13
3+50N	70	9+00N	N/S	14+50N	20
3+75N	44	9+25N	N/S	L-13E-0+00N	35
4+00N	45	9+50N	N/S	0+25N	11
4+25N	N/S	9+75N	N/S	0+50N	23
4+50N	N/S	10+00N	N/S	0+75N	27
4+75N	N/S	10+25N	N/S	1+00N	12
5+00N	51	10+50N	N/S	1+25N	31
5+25N	49	10+75N	35	1+50N	23
5+50N	60	11+00N	N/S	1+75N	36
5+75N	65	11+25N	N/S	2+00N	44
6+00N	30	11+50N	N/S	2+25N	24
6+25N	19	11+75N	N/S	2+50N	40
6+50N	53	12+00N	N/S	2+75N	38
6+75N	49	12+25N	51	3+00N	12
7+00N	44	12+50N	56	3+25N	34
7+25N	56	12+75N	33	3+50N	17
7+50N	44	13+00N	43	L12E-3+75N	32
L12E 7+75N	51	L12E 13+25N	42		

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4+25N	29	9+25N	36	1+00N	41
4+50N	16	9+50N	43	1+25N	34
4+75N	37	11+25N	48	1+50N	25
5+00N	28	11+50N	58	1+75N	24
5+25N	36	11+75N	39	2+00N	33
5+50N	22	12+00N	46	2+25N	32
5+75N	45	12+25N	62	2+50N	20
6+00N	28	12+50N	53	2+75N	42
6+25N	34	12+75N	70	3+00N	30
6+50N	202(329)	13+00N	17	3+25N	37
6+75N	52	13+25N	11	3+50N	15
7+00N	19	13+50N	18	3+75N	10
7+25N	23	13+75N	10	4+00N	24
7+50N	26	14+00N	12	4+25N	12
7+75N	17	14+25N	13	4+50N	28
8+00N	23	14+50N	15	4+75N	11
8+25N	27	L14E - 0+00N	16	5+00N	24
8+50N	26	0+25N	10	5+50N	11
L13E 8+75N	31	L14E 0+50N	26	L14E 5+75N	12

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L14E 6+00N	124	L14E 12+50N	21	L15E 3+00N	19
6+25N	115	12+75N	24	3+25N	34
6+75N	59	13+00N	19	3+50N	32
7+25N	75	13+25N	19	3+75N	35
7+50N	120	13+50N	11	4+00N	37
7+75N	80	13+75N	16	4+25N	36
8+00N	34	14+00N	18	4+50N	38
8+25N	30	14+25N	10	5+25N	59
8+50N	62	L14E 14+50N	8	5+50N	46
8+75N	28	L15E 0+00N	77	5+75N	62
9+00N	47	0+25N	55	6+00N	50
9+25N	40	0+50N	30	6+50N	59
9+50N	56	0+75N	61	7+75N	57
9+75N	44	1+25N	45	8+00N	59
11+00N	52	1+50N	49	8+25N	61
11+25N	100	1+75N	65	9+75N	64
11+50N	47	2+00N	64	10+00N	59
11+75N	33	2+25N	54	10+25N	40
12+00N	66	2+50N	52	10+50N	47
L14E 12+25N	40	L15E 2+75N	47	L15E 10+75N	52

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/01/7264 Date: December 31, 1987

Received 800 Samples of Soils

Submitted by Sears, Barry & Associates Att'n: Mr. C. E. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L-15E 11+25N	72	L-15E 11+00N	31	L-16E 3+75N	50
11+50N	40	14+00N	37	4+00N	50
11+75N	43	14+25N	19	4+25N	51
12+00N	29	14+50N	30	4+50N	56
12+25N	52	L-15E 14+75N ✓	26	4+75N	50
12+50N	47	L-16E 0+00N	41	5+00N	53
12+75N	38	0+25N	26	5+25N	44
13+00N	63	0+50N	33	5+50N	57
13+25N	47	0+75N	27	L-16E-12+00N	43
13+50N	59	1+00N	N/S	12+25N	51
13+75N	55	1+25N	41	12+50N	60
6+25N	26	1+50N	34	12+75N	45
6+75N	10	1+75N	26	13+00N	40
7+25N	8	2+00N	50	13+25N	65
7+50N	28	2+25N	45	13+50N	53
8+50N	30	2+50N	40	13+75N	39
8+75N	22	2+75N	46	14+00N	46
9+00N	37	3+00N	42	14+25N	54
9+25N	31	3+25N	28	14+50N	32
L-15E 9+50N	36	L-16E 3+50N	N/S	L-16E 14+75N	62

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/02/7264

Date: December 31, 1987

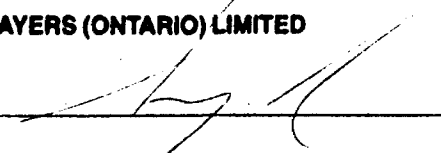
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Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L16E 5+75N	28	L16E 12+00N	29	L17E 2+50N	24
6+00N	25	12+25N	40	2+75N	15
6+25N	21	12+50N	70	3+00N	19
6+50N	17	12+75N	44	3+25N	18
6+75N	19	13+00N	45	3+50N	17
7+00N	16	13+25N	38	3+75N	32
7+25N	36	13+50N	18	4+00N	14
7+50N	-	13+75N	39	4+25N	22
7+75N	40	14+00N	29	4+50N	10
8+25N	35	14+25N	23	4+75N	13
8+50N	41	14+50N	33	5+00N	9
8+75N	18	L17E-0+00N	20	5+25N	10
9+00N	11	0+25N	33	5+50N	-
9+25N	18	0+50N	43	5+75N	31
9+50N	37	0+75N	39	6+00N	11
9+75N	29	1+00N	29	6+25N	16
10+00N	32	1+25N	28	6+50N	21
10+25N	28	1+50N	33	6+75N	17
10+50N	-	1+75N	60	7+00N	24
10+75N	23	2+00N	15	7+25N	17
11+00N	-	L16E 2+25N	39	7+50N	7
11+25N	39			L17E 7+75N	22
11+50N	36				
L16E 11+75N	39				

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Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L17E 8+00N	19	L17E 13+50N	31	L18E 4+25N	19
8+25N	28	13+75N	45	4+50N	28
8+50N	39	14+00N	53	4+75N	33
8+75N	33	14+25N	61	5+00N	36
9+00N	34	L18E- 0+00N	54	5+25N	50
9+25N	52	0+25N	40	5+50N	29
9+50N	15	0+50N	40	5+75N	46
9+75N	27	0+75N	16	6+00N	48
10+00N	31	1+00N	25	6+25N	43
10+25N	17	1+25N	13	6+50N	15
10+50N	35	1+50N	34	6+75N	17
10+75N	17	1+75N	35	7+00N	23
11+00N	19	2+00N	31	7+25N	30
11+25N	47	2+25N	35	7+50N	-
11+50N	16	2+50N	39	7+75N	40
11+75N	60	2+75N	42	8+00N	28
12+00N	25	3+00N	49	8+25N	20
12+25N	13	3+25N	36	8+50N	28
12+50N	14	3+50N	51	8+75N	22
12+75N	24	L17E 3+75N	33	9+00N	11
13+00N	10	L18E 4+00N	27	9+25N	23
L17E 13+25N	33			L18E 9+50N	31

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Certificate of Analysis

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C.C. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L18E 9+75N	39	L19E 0+00N	30	L19E 5+50N	27
10+00N	41	0+25N	25	5+75N	40
10+25N	35	0+50N	36	6+00N	45
10+50N	25	0+75N	30	6+25N	18
10+75N	10	1+00N	27	6+50N	50
11+00N	18	1+25N	48	6+75N	-
11+25N	13	1+50N	31	7+00N	-
11+50N	16	1+75N	34	7+25N	-
11+75N	20	2+00N	36	7+50N	-
12+00N	17	2+25N	39	7+75N	-
12+25N	30	2+50N	37	8+00N	48
12+50N	21	2+75N	45	8+25N	55
12+75N	11	3+00N	43	8+50N	50
13+00N	13	3+25N	39	8+75N	17
13+25N	15	3+50N	122	9+00N	38
13+50N	25	3+75N	37	9+25N	26
13+75N	20	4+00N	42	9+50N	41
14+00N	16	4+25N	25	9+75N	43
14+25N	22	4+50N	36	10+00N	45
14+50N	15	4+75N	37	10+25N	-
14+75N	24	5+00N	36	10+50N	-
L18E 15+00N	32	L19E 5+25N	38	L19E 10+75N	43

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Certificate of Analysis

Certificate No. SBA-01/06/7264

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c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L19E 11+00N	37	²⁰ L19E 4+00N	53	²⁰ L19E 9+00N	42
11+25	50	4+25N	47	9+25N	41
11+50	60	4+50N	45	9+50N	31
11+75	36	4+75N	51	9+75N	17
²⁰ L20E 0+00 N	45	5+00N	53	10+00N	43
0+25	47	5+25N	36	10+25N	64
0+50	38	5+50N	43	10+50N	42
0+75	50	5+75N	57	10+75N	43
1+00	57	6+00N	48	11+00N	19
1+25	30	6+25N	25	11+25N	30
1+50	41	6+50N	53	11+50N	26
1+75	-	6+75N	80	11+75N	44
2+00	35	6+00N	46	12+00N	18
2+25	39	6+25N	62	12+25N	29
2+50	36	6+50N	39	12+50N	22
2+75	42	6+75N	-	12+75N	41
3+00	38	8+00N	34	13+00N	28
3+25	31	8+25N	59	13+25A	58
3+50	43	8+50N	68	13+25B	50
²⁰ L19E 3+75	54	8+75N	26	13+50N	11
				²⁰ L19E 13+75N	14

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Certificate of Analysis

Certificate No. SBA-01/07/7264

Date: December 31, 1987

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c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L20E 14+00N	109	L20E 6+00N	56	L20E 11+50N	27
14+25N	15	6+25N	27	11+75N	34
14+50N	25	6+50N	50	12+00N	38
14+75N	10	6+75N	55	12+25N	40
15+00N	18	7+00N	75	12+50N	52
L21E 0+00N	48	7+25N	73	12+75N	30
0+25N	54	7+50N	65	13+00N	23
0+50N	51	7+75N	47	13+25N	-
0+75N	81	8+00N	39	13+50N	60
1+00N	70	8+25N	50	13+75N	46
1+25N	51	8+50N	52	14+00N	89
1+50N	59	8+75N	46	14+25N	39
3+25N	70	9+00N	-	14+50N	41
3+50N	61	9+25N	-	14+75N	34
3+75N	75	9+50N	-	15+00N	27
4+00N	73	9+75N	43	15+25N	127
4+25N	48	10+00N	37	15+50N	37
4+50N	75	10+25N	56	L20E 15+75N	40
4+75N	84	10+50N	52	L22E 0+00N	42
5+00N	83	10+75N	32	0+25N	40
5+25N	51	11+00N	59	0+50N	63
5+50N	47	L20E 11+25N	36	L22E 0+75N	52
L20E 5+75N	34				

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/09/7264 Date: December 31, 1987

Received _____ 800 Samples of Soils

Submitted by Sears, Barry & Associates Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L22E 1+00N	42	L22E 6+00N	55	L22E 11+00N	39
1+25N	32	6+25N	33	11+25N	34
1+50N	58	6+50N	62	11+50N	48
1+75N	45	6+75N	36	11+75N	64
2+00N	41	7+00N	29	12+00N	51
2+25N	51	7+25N	35	12+25N	40
2+50N	-	7+50N	40	12+50N	42
2+75N	-	7+75N	-	12+75N	48
3+00N	-	8+00N	-	13+00N	58
3+25N	-	8+25N	-	13+25N	42
3+50N	-	8+50N	-	13+50N	49
3+75N	-	8+75N	-	13+75N	71
4+00N	68	9+00N	-	14+00N	38
4+25N	70	9+25N	54	14+25N	36
4+50N	50	9+50N	66	14+50N	72
4+75N	32	9+75N	37	14+75N	58
5+00N	60	10+00N	-	15+00N	39
5+25N	52	10+25N	45	15+25N	53
5+50N	65	10+50N	50	15+50N	39
L22E 5+75N	52	L22E 10+75N	70	L22E 15+75N	34

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/10/7264

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Submitted by Sears, Barry & Associates Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L24E 0+00N	47	L24E 5+00N	60	L24E 10+00N	22
0+25N	44	5+25N	63	10+25N	41
0+50N	33	5+50N	66	10+50N	35
0+75N	36	5+75N	35	10+75N	26
1+00N	48	6+00N	59	11+00N	18
1+25N	20	6+25N	57	11+25N	17
1+50N	31	6+50N	60	11+50N	15
1+75N	19	6+75N	43	11+75N	13
2+00N	48	7+00N	51	12+00N	47
2+25N	32	7+25N	52	12+25N	42
2+50N	35	7+50N	56	12+50N	43
2+75N	29	7+75N	67	12+75N	31
3+00N	34	8+00N	71	13+00N	11
3+25N	28	8+25N	73	13+25N	24
3+50N	44	8+50N	57	13+50N	42
3+75N	39	8+75N	53	13+75N	30
4+00N	21	9+00N	65	14+00N	60
4+25N	16	9+25N	52	14+25N	20
4+50N	36	9+50N	58	14+50N	25
L24E 4+75N	42	L24E 9+75N	61	L24E 14+75N	33

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Certificate of Analysis

Certificate No. SBA-01/12/7264

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Submitted by Sears, Barry & Associates Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L26E 6+00N	61	L26E 11+00N	48	L27E 8+75N	56
6+25N	22	11+25N	41	9+00N	40
6+50N	26	11+50N	78	9+25N	37
6+75N	19	11+75N	61	9+50N	20
7+00N	29	L26E 12+00N	67	9+75N	23
7+25N	34	L27E 4+75N	78	10+00N	91
7+50N	63	5+00N	65	10+25N	62
7+75N	55	5+25N	40	10+50N	29
8+00N	37	5+50N	25	10+75N	51
8+25N	65	5+75N	50	11+00N	57
8+50N	54	6+00N	43	11+25N	60
8+75N	53	6+25N	48	11+50N	43
9+00N	54	6+50N	27	11+75N	52
9+25N	26	6+75N	38	12+00N	48
9+50N	49	7+00N	66	12+25N	69
9+75N	57	7+25N	61	12+50N	50
10+00N	27	7+50N	52	12+75N	60
10+25N	25	7+75N	50	13+00N	66
10+50N	60	8+00N	66	13+25N	80
L26E 10+75N	39	8+25N	70	13+50N	79
		L27E 8+50N	75	L27E 13+75N	83

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c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L27E 14+00N	36	L27E 19+00N	55	L28E 10+75N	36
14+25N	27	L27E 19+25N	58	11+00N	49
14+50N	43	L28E 6+25N	69	11+25N	54
14+75N	36	6+50N	65	11+50N	56
15+00N	55	6+75N	70	11+75N	41
15+25N	80	7+00N	47	12+00N	45
15+50N	47	7+25N	73	12+25N	41
15+75N	63	7+50N	75	12+50N	39
16+00N	68	7+75N	76	12+75N	44
16+25N	51	8+00N	67	13+00N	43
16+50N	64	8+25N	66	13+25N	45
16+75N	58	8+50N	43	13+50N	39
17+00N	48	8+75N	63	13+75N	53
17+25N	65	9+00N	62	14+00N	63
17+50N	56	9+25N	33	14+25N	90
17+75N	38	9+50N	35	14+50N	67
18+00N	41	9+75N	36	14+75N	68
18+25N	54	10+00N	33	15+00N	55
18+50N	69	10+25N	39	15+25N	68
L27E 18+75N	70	L28E 10+50N	80	15+50N	79
				L28E 15+75N	63

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Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L28E 16+00N	49	L29E 14+25N	51	L30E 13+00N	26
16+25N	42	14+50N	40	13+25N	35
16+50N	48	14+75N	51	13+50N	50
16+75N	50	15+00N	68	13+75N	31
17+00N	49	15+25N	43	14+00N	55
17+25N	54	15+50N	48	14+25N	40
17+50N	40	15+75N	66	14+50N	36
17+75N	51	16+00N	63	14+75N	60
18+00N	36	16+25N	64	15+00N	41
18+25N	52	16+50N	49	15+25N	24
18+50N	50	16+75N	54	15+50N	18
18+75N	69	17+00N	25	15+75N	40
19+00N	53	17+25N	39	16+00N	21
L28E 19+25N	68	17+50N	43	16+25N	26
L29E 12+25N	65	17+75N	55	16+50N	35
12+50N	62	18+00N	58	16+75N	40
12+75N	44	18+25N	68	17+00N	46
13+00N	36	L29E 18+50N	37	17+25N	28
13+25N	38	L30E 12+00N	226(100)	17+50N	43
13+50N	58	12+25N	74	18+00N	57
13+75N	65	12+50N	50	18+25N	13
L29E 14+00N	35	L30E 12+75N	29	L30E 18+50N	42

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

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c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L24E 15+00N	41	L25E 5+00N	45	L25E 10+00N	65
15+25N	35	5+25N	38	10+25N	69
15+50N	43	5+50N	62	10+50N	71
15+75N	23	5+75N	91	10+75N	49
16+00N	27	6+00N	59	11+00N	70
16+25N	60	6+25N	64	11+25N	78
16+50N	29	6+50N	60	11+50N	73
16+75N	23	6+75N	48	11+75N	57
17+00N	25	7+00N	57	L25E 12+00N	79
17+25N	35	7+25N	67	L26E 3+25N	39
17+50N	58	7+50N	26	3+50N	64
17+75N	53	7+75N	58	3+75N	24
18+00N	44	8+00N	10	4+00N	44
L24E 18+25N	49	8+25N	15	4+25N	37
L25E 3+50N	49	8+50N	22	4+50N	60
3+75N	29	8+75N	42	4+75N	65
4+00N	92	9+00N	49	5+00N	53
4+25N	46	9+25N	60	5+25N	53
4+50N	38	9+50N	53	5+50N	56
L25E 4+75N	37	L25E 9+75N	35	L26E 5+75N	63

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ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-02/01/7307 Date: January 18, 1988
Received 280 Samples of Soils
Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L1W-25-s	22	L1W-525-s	37	L1W-1025-s	41
50	17	550	25	1050	29
75	29	575	30	1075	49
100	34	600	41	1100	38
125	23	625	38	1125	24
150	30	650	29	1150	36
175	26	675	36	1175	32
200	35	700	33	L1W-1200-s	23
225	45	725	31	L7W- 25-N	25
250	49	750	39	50	34
275	25	775	28	75	21
300	22	800	21	100	38
325	28	825	33	125	36
350	36	850	28	150	37
375	23	875	40	175	42
400	50	900	32	200	38
425	44	925	37	225	50
450	43	950	18	250	48
475	36	975	24	275	41
L1W-500-s	29	L1W-1000-s	30	L7W-300-N	46

ASSAYERS (ONTARIO) LIMITED

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ASSAYERS (ONTARIO) LIMITED

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Certificate No. SBA-02/02/7307

Date: January 18, 1988

Received 280 Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
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Project: CENTRA CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L7W-325-N	32	L7W-875-N	36	L7W-1425-N	38
350	37	900	30	1450	49
375	43	925	15	1475	35
400	36	950	39	1500	47
425	27	975	17	L7W-1525-N	48
450	29	1000	20	L8W- 25-S	52
475	28	1025	37	50	36
500	34	1075	30	75	45
525	44	1100	35	100	46
550	41	1125	46	125	33
575	39	1150	40	150	21
625	20	1175	25	175	19
650	26	1200	16	200	31
675	31	1225	38	225	54
700	32	1250	34	250	20
725	39	1275	27	275	10
750	34	1300	21	300	30
775	29	1325	15	325	27
800	35	1350	40	350	39
825	24	1375	37	375	50
L7W-850-N	38	L7W-1400-N	39	L8W-400-S	48

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J. van Engelen Mgr.

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-02/03/7307

Date: January 18, 1988

Received 280 Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
L8W-425-S	39	BLO-200-W	53	BLO-750-W	46
450	25	225	44	775	32
475	42	250	36	800	41
500	41	275	45	825	33
525	34	300	48	850	23
550	53	325	32	875	36
575	45	350	41	900	32
600	59	375	24	925	16
625	49	400	27	950	22
650	31	425	14	975	34
675	26	450	30	1000	14
700	33	475	36	1025	19
L8W-725-S	44	500	41	1050	30
BLO-000-W	10	525	27	1075	34
025	60	550	40	1100	42
050	54	575	38	1125	57
075	22	600	25	1150	39
100	18	625	47	1175	35
125	29	650	34	1200	80
150	15	675	43	1225	31
BLO-175-W	59	BLO-725-W	27	BLO-1250-W	28

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Per J. van Engelen

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Certificate of Analysis

Certificate No. SBA-02/04/7307 Date: January 18, 1988

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Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb	Sample No.	Au ppb
BLO-1275-W	10	BLO-1800-W	39	BLO-2325-W	27
1300	7	1825	42	2350	32
1325	12	1850	34	2375	44
1350	20	1875	44	2400	46
1375	22	1900	41	2425	35
1400	28	1925	35	2450	31
1425	95	1950	28	2475	20
1450	25	1975	34	2500	38
1475	10	2000	29	2525	22
1500	17	2025	27	2550	52
1525	16	2050	16	2575	33
1550	22	2075	47	2600	75
1575	43	2100	55	2625	55
1600	37	2125	40	2650	43
1625	57	2150	46	2675	46
1650	59	2175	48	BLO-2700-W	51
1675	29	2200	52	L10W- 25-N	38
1700	36	2225	85	50	40
1725	50	2250	80	75	57
1750	48	2275	66	100	28
BLO-1775-W	34	BLO-2300-W	26	L10W-125-N	53

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Project: CENTRAL CRUDE

Sample No.	Au ppb	Sample No.	Au ppb
L10W-150-N	31	L10W-375-S	26
175	42	400	20
200	46	425	23
225	30	450	17
250	53	475	18
L10W-275-N	61	500	12
L10W- 25-S	45	525	33
50	38	550	42
75	16	575	21
100	41	600	45
125	19	L10W-625-S	34
150	54		
175	47		
200	26		
225	40		
250	62		
275	39		
300	40		
325	41		
L10W-350-S	38		

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/05/7264

Date: December 31, 1987

Received 800 Samples of Soils

Submitted by Sears, Barry & Associates Att'n: Mr. C. E. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

(SOUTH) Sample No.	Au ppb	(SOUTH) Sample No.	Au ppb	(SOUTH) Sample No.	Au ppb	(SOUTH) Sample No.	Au ppb
L17E 0+25S	20	L18E 0+25S	37	L18E 5+25S	70	L19E 4+75S	21
0+50S	43	0+50S	54	L18E 5+50S	49	5+00S	33
0+75S	25	0+75S	51	L19E 0+25S	110	5+25S	42
1+00S	27	1+00S	43	0+50S	64	5+50S	57
1+25S	21	1+25S	40	0+75S	55	5+75S	59
1+50S	43	1+50S	38	1+00S	56	6+00S	36
1+75S	22	1+75S	53	1+25S	61	6+25S	63
2+00S	49	2+00S	52	1+50S	52	L19E 6+50S	54
2+25S	60	2+25S	35	1+75S	55		
2+50S	55	2+50S	65	2+00S	60		
2+75S	37	2+75S	50	2+25S	68		
3+00S	35	3+00S	54	2+50S	35		
3+25S	43	3+25S	42	2+75S	25		
3+50S	50	3+50S	54	3+00S	28		
3+75S	34	3+75S	43	3+25S	40		
4+00S	42	4+00S	103	3+50S	61		
4+25S	38	4+25S	45	3+75S	41		
4+50S	29	4+50S	55	4+00S	49		
4+75S	30	4+75S	70	4+25S	27		
L17E 5+00S	50	L18E 5+00S	80	L19E 4+50S	31		

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ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/08/7264

Date: December 31, 1987

Received _____ 80 Samples of Soils

Submitted by Sears, Barry & Associates Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

(SOUTH) Sample No.	Au ppb
L21E 0+25S	61
0+50S	68
0+75S	37
1+00S	42
1+25S	28
1+50S	60
1+75S	72
2+00S	68
2+25S	55
L21E 2+50S	30

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ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01A/01/7330

Date: January 26, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L10E 0+00N	3	L10E 7+75N	4	L10E 14+25N	3
0+25N	1	8+50N	4	14+50N	2
0+50N	1	8+75N	9	14+75N	3
0+75N	<1	9+00N	5	15+00N	2
2+00N	2	9+25N	3	15+25N	1
2+75N	<1	9+50N	2	15+50N	2
3+00N	3	9+75N	2	15+75N	1
3+25N	1	10+00N	2	L11E 0+00N	5
3+50N	2	10+50N	<1	0+25N	2
3+75N	<1	10+75N	4	0+50N	3
4+50N	5	11+00N	5	0+75N	<1
4+75N	9	11+25N	4	1+00N	2
5+00N	3	11+50N	6	1+25N	1
6+00N	4	11+75N	3	1+50N	6
6+25N	2	12+00N	6	1+75N	5
6+50N	7	12+50N	2	2+25N	1
6+75N	8	12+75N	3	2+50N	4
7+00N	5	13+00N	3	2+75N	1
7+25N	6	13+75N	5	3+00N	2
L10E 7+50N	5	L10E 14+00N	3	L11E 3+25N	3

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Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L11E 3+50N	3	L11E 11+25N	6	L12E 0+25N	6
4+00N	1	11+50N	8	0+50N	5
4+25N	<1	12+00N	7	1+00N	8
5+50N	4	12+25N	6	1+25N	6
5+75N	4	12+50N	4	1+50N	6
6+00N	5	12+75N	6	1+75N	10
6+25N	4	13+00N	4	2+00N	5
6+50N	4	13+25N	2	2+25N	7
6+75N	3	13+50N	3	2+50N	3
7+25N	5	13+75N	5	2+75N	6
7+50N	6	14+00N	6	3+00N	3
8+00N	6	14+75N	9	3+25N	2
8+25N	9	15+00N	4	3+50N	4
8+50N	4	15+25N	7	3+75N	19
8+75N	3	15+50N	3	4+00N	13
9+25N	6	15+75N	4	5+00N	15
9+50N	6	16+00N	6	5+25N	16
9+75N	3	16+25N	3	5+50N	10
10+00N	3	L11E 16+50N	2	5+75N	6
L11E 10+25N	5	L12E 0+00N	9	L12E 6+00N	10

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Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L12E 6+25N	14	L12E 14+50N	4	L13E 4+75N	5
6+50N	14	L13E 0+00N	3	5+00N	6
6+75N	13	0+25N	3	5+25N	5
7+00N	3	0+50N	4	5+50N	15
7+25N	9	0+75N	7	5+75N	17
7+50N	2	1+00N	4	6+00N	2
7+75N	2	1+25N	69	6+25N	3
8+00N	4	1+50N	4	6+50N	17
8+25N	5	1+75N	6	6+75N	7
8+50N	2	2+00N	3	7+00N	1
10+75N	6	2+25N	5	7+25N	3
12+25N	5	2+50N	7	7+50N	2
12+50N	6	2+75N	19	7+75N	2
12+75N	2	3+00N	4	8+00N	2
13+00N	5	3+25N	3	8+25N	1
13+25N	5	3+50N	3	8+50N	2
13+50N	4	3+75N	2	8+75N	2
13+75N	5	4+00N	6	9+00N	1
14+00N	4	4+25N	17	9+25N	2
L12E 14+25N	4	L13E 4+50N	20	L13E 9+50N	3

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Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L13E 11+25N	3	L14E 1+50N	4	L14E 7+25N	2
11+50N	1	1+75N	8	7+50N	4
11+75N	3	2+00N	3	7+75N	2
12+00N	3	2+25N	1	8+00N	1
12+25N	3	2+50N	1	8+25N	<1
12+50N	2	2+75N	1	8+50N	2
12+75N	2	3+00N	2	8+75N	2
13+00N	2	3+25N	2	9+00N	2
13+25N	3	3+50N	1	9+25N	1
13+50N	2	3+75N	2	9+50N	1
13+75N	3	4+00N	6	9+75N	1
14+00N	4	4+25N	2	11+00N	2
14+25N	3	4+50N	1	11+25N	6
L13E 14+50N	2	4+75N	1	11+50N	4
L14E 0+00N	2	5+00N	1	11+75N	9
0+25N	16	5+50N	<1	12+00N	4
0+50N	7	5+75N	4	12+25N	3
0+75N	4	6+00N	4	12+50N	1
1+00N	20	6+25N	4	12+75N	3
L14E 1+25N	6	L14E 6+75N	3	L14E 13+00N	4

ASSAYERS (ONTARIO) LIMITED

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c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L14E 13+25N	3	L15E 4+00N	2	L15E 10+00N	8
13+50N	5	4+25N	13	10+25N	36
13+75N	4	4+50N	25	10+50N	57
14+00N	31	5+25N	18	10+75N	24
14+25N	24	5+50N	13	11+00N	11
14+50N	20	5+75N	8	11+25N	15
L15E 0+00N	28	6+00N	7	11+50N	9
0+25N	16	6+25N	9	11+75N	11
0+50N	12	6+50N	5	12+00N	7
0+75N	19	6+75N	6	12+25N	60
1+25N	12	7+25N	5	12+50N	38
1+50N	6	7+50N	4	12+75N	32
1+75N	5	7+75N	10	13+00N	23
2+00N	3	8+00N	10	13+25N	25
2+25N	2	8+25N	9	13+50N	17
2+50N	3	8+50N	6	13+75N	11
2+75N	2	8+75N	4	14+00N	6
3+00N	4	9+00N	6	14+25N	15
3+25N	1	9+25N	9	14+50N	10
3+50N	1	9+50N	13	14+75N	21
L15E 3+75N	1	L15E 9+75N	15	L16E 0+00N	13

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Certificate No. SBA-01A/06/7330

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Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	FIRE ASSAY	
					Au ppb
L16E 0+25N	30	L16E 5+50N	6		
0+50N	32	5+75N	6		
0+75N	13	6+00N	5		
1+00N	9	6+25N	5		
1+25N	7	6+50N	7		
1+50N	8	6+75N	11		
1+75N	10	L17E 0+25S	4		
2+00N	15	0+50S	5		
2+25N	8	0+75S	11		
2+50N	8	1+00S	9		
2+75N	5	1+25S	6		
3+00N	15	1+50S	10		
3+25N	19	1+75S	7		
3+75N	9	2+00S	5	60	
4+00N	4	2+25S	4	56	
4+25N	12	2+50S	5	52	
4+50N	5	2+75S	2	40	
4+75N	5	3+00S	3	51	
5+00N	5	3+25S	4	56	
L16E 5+25N	6	L17E 3+50S	4	60	

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c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L16E 7+00N	51	L16E 13+00N	6	L17E 3+25N	4
7+25N	21	13+25N	2	3+50N	6
7+75N	5	13+50N	1	3+75N	3
8+25N	3	13+75N	1	4+00N	3
8+50N	4	14+00N	2	4+25N	5
8+75N	3	14+25N	2	4+50N	5
9+00N	3	14+50N	4	4+75N	4
9+25N	7	L17E 0+00N	3	5+00N	3
9+50N	4	0+25N	3	5+25N	2
9+75N	2	0+50N	4	5+75N	4
10+00N	3	0+75N	4	6+00N	6
10+25N	2	1+00N	3	6+25N	2
10+75N	5	1+25N	2	6+50N	1
11+25N	5	1+50N	3	6+75N	2
11+50N	10	1+75N	8	7+00N	4
11+75N	4	2+00N	12	7+25N	3
12+00N	4	2+25N	16	7+50N	2
12+25N	5	2+50N	5	7+75N	2
12+50N	6	2+75N	6	8+00N	4
L16E 12+75N	6	L17E 3+00N	3	L17E 8+25N	7

ASSAYERS (ONTARIO) LIMITED

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01A/08/7330

Date: January 29, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	FIRE ASSAY		Sample No.	As ppm
		As ppm	Au ppb		
L17E 3+75S	6		48	L17E 12+50N	11
4+00S	12		60	12+75N	6
4+25S	5		54	13+00N	7
4+50S	3		43	13+25N	5
4+75S	4		49	13+50N	9
5+00S	6		44	13+75N	8
9+00N	13			14+00N	5
9+25N	8			14+25N	7
9+50N	14			L18E ^{pp} 14+00N	4
9+75N	6			0+25N	5
10+00N	4			0+50N	4
10+25N	6			0+75N	4
10+50N	6			1+00N	2
10+75N	6			1+25N	3
11+00N	7			1+50N	6
11+25N	7			1+75N	11
11+50N	7			2+00N	6
11+75N	5			2+25N	5
12+00N	12			2+50N	5
L17E 12+25N	18			L18E 2+75N	3

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J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01A/09/7330

Date: January 29, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm	FIRE ASSAY Au ppb
L18E 3+00N	35	L18E 8+25N	9	L18E 13+25N	3	
3+25N	50	8+50N	7	13+50N	7	
3+50N	34	8+75N	4	13+75N	4	
3+75N	13	9+00N	7	14+00N	4	
4+00N	8	9+25N	6	14+25N	5	
4+25N	7	9+50N	7	14+50N	6	
4+50N	6	9+75N	9	14+75N	6	
4+75N	7	10+00N	6	15+00N	5	
5+00N	4	10+25N	9	0+25S	4	43
5+25N	4	10+50N	11	0+50S	4	44
5+50N	6	10+75N	7	0+75S	5	32
5+75N	11	11+00N	14	1+00S	2	52
6+00N	12	11+25N	7	1+25S	17	55
6+25N	12	11+50N	8	1+50S	5	52
6+50N	21	11+75N	13	1+75S	4	36
6+75N	11	12+00N	12	2+00S	2	64
7+00N	16	12+25N	11	2+25S	3	45
7+25N	8	12+50N	9	2+50S	4	72
7+75N	19	12+75N	8	2+75S	3	60
L18E 8+00N	11	L18E 13+00N	13	L18E 3+00S	2	68

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J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA/01A/10/7330

Date: January 29, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	FIRE ASSAY		Sample No.	As ppm	Sample No.	As ppm
		Au ppb					
L17E 8+50N	5			L19E 2+00N	10	L19E 8+25N	12
L17E 8+75N	5			2+25N	6	8+50N	24
L18E 3+25S	52	52		2+50N	2	8+75N	37
3+50S	18	64		2+75N	3	9+00N	33
3+75S	22	56		3+00N	2	9+25N	22
4+00S	29	95		3+25N	4	9+50N	16
4+25S	25	61		3+50N	13	9+75N	11
4+50S	11	70		3+75N	9	10+00N	15
4+75S	53	81		4+00N	5	10+75N	9
5+00S	16	68		4+25N	5	L19E 11+00N	6
5+25S	16	88		4+50N	10		
L18E 5+50S	8	71		4+75N	10		
L19E 0+00N	6			5+00N	16		
0+25N	6			5+25N	6		
0+50N	17			5+50N	11		
0+75N	19			5+75N	13		
1+00N	14			6+00N	6		
1+25N	9			6+25N	6		
1+50N	12			6+50N	7		
L19E 1+75N	9			L19E 8+00N	5		

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Certificate of Analysis

Certificate No. SBA-01A/17/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L21E 7+50N	7	L21E 1+75S	19	L22E 5+50N	12
7+75N	5	2+00S	11	5+75N	25
8+00N	3	2+25S	2	6+00N	11
8+25N	5	2+50S	3	6+25N	8
8+50N	7	L22E 0+00N	8	6+50N	14
8+75N	5	0+25N	4	6+75N	9
9+75N	6	0+50N	7	7+00N	2
10+00N	5	0+75N	6	7+25N	5
10+25N	3	1+00N	6	7+50N	14
10+50N	5	1+25N	2	9+25N	6
10+75N	8	1+50N	9	9+50N	21
11+00N	6	1+75N	4	9+75N	11
11+25N	6	2+00N	3	10+25N	5
11+50N	4	2+25N	2	10+50N	12
0+25S	5	4+00N	15	10+75N	9
0+50S	3	4+25N	12	11+00N	14
0+75S	5	4+50N	4	L22E 11+25N	14
1+00S	6	4+75N	4	L24E 0+00N	11
1+25S	7	5+00N	4	0+25N	7
1+50S	8	L22E 5+25N	6	0+50N	5
L21E 0+25S	5			L24E 0+00N	13

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Certificate of Analysis

Certificate No. SBA-01A/11/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL

Sample No.	As ppm	Sample No.	As ppm	Sample No.	A ppm
L19E 11+25N	8	L19E 1+50S	7	L20E 0+00N	9
11+50N	11	1+75S	3	0+25N	7
11+75N	6	2+00S	19	0+50N	12
12+00N	4	2+25S	31	0+75N	8
12+25N	9	2+50S	15	1+00N	10
12+50N	11	2+75S	6	1+25N	9
12+75N	6	3+00S	12	1+50N	15
13+00N	5	3+25S	5	2+00N	9
13+25N	7	3+50S	6	2+25N	5
13+50N	21	3+75S	2	2+50N	2
13+75N	13	4+00S	3	2+75N	13
14+00N	5	4+25S	3	3+00N	7
14+25N	2	4+50S	2	3+25N	4
14+50N	4	4+75S	4	3+50N	5
14+75N	7	5+00S	14	3+75N	2
0+25S	6	5+25S	8	4+00N	2
0+50S	3	5+50S	7	4+25N	8
0+75S	6	5+75S	8	4+50N	3
1+00S	7	6+00S	4	4+75N	4
L19E 1+25S	4	L19E 6+25S	16	5+00N	5
				L20E 5+25N	7

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Certificate of Analysis

Certificate No. SBA-12/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L20E 5+50N	2	L20E 11+00N	5	L21E 0+75N	26
5+75N	2	11+25N	4	1+00N	22
6+00N	5	11+50N	8	1+25N	12
6+25N	2	11+75N	8	1+50N	6
6+50N	4	12+00N	6	3+25N	8
6+75N	9	12+25N	5	3+50N	5
7+00N	3	12+50N	4	3+75N	4
7+25N	4	12+75N	7	4+00N	14
7+50N	7	13+00N	9	4+25N	7
8+00N	5	A13+25N	8	4+50N	4
8+25N	1	B13+25N	16	4+75N	7
8+50N	2	13+50N	8	5+00N	4
8+75N	6	13+75N	5	5+25N	2
9+00N	6	14+00N	6	5+50N	3
9+25N	3	14+25N	4	5+75N	2
9+50N	4	14+50N	3	6+00N	3
9+75N	4	14+75N	3	6+25N	1
10+00N	13	L20E 15+00N	2	6+50N	2
10+25N	7	L21E 0+00N	11	6+75N	5
10+50N	14	0+25N	5	7+00N	6
L20E 10+75N	5	L21E 0+50N	3	L21E 7+25N	8

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Certificate of Analysis

Certificate No. SBA-01A/15/7330 Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L24E 0+75N	17	L24E 5+75N	7	L24E 10+75N	6
1+00N	9	6+00N	6	11+00N	3
1+25N	6	6+25N	6	11+25N	1
1+50N	13	6+50N	3	11+50N	<1
1+75N	7	6+75N	3	11+75N	<1
2+00N	19	7+00N	3	12+00N	<1
2+25N	20	7+25N	10	12+25N	<1
2+50N	9	7+50N	2	12+50N	3
2+75N	6	7+75N	4	12+75N	1
3+00N	3	8+00N	5	13+00N	1
3+25N	6	8+25N	13	13+25N	1
3+50N	7	8+50N	10	13+50N	1
3+75N	4	8+75N	12	13+75N	1
4+00N	3	9+00N	5	14+00N	40
4+25N	6	9+25N	2	14+25N	38
4+50N	5	9+50N	10	14+50N	22
4+75N	12	9+75N	13	14+75N	12
5+00N	6	10+00N	14	15+00N	5
5+25N	3	10+25N	20	15+25N	2
L24E 5+50N	3	L24E 10+50N	28	15+50N	<1
				L24E 15+75N	3

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Certificate of Analysis

Certificate No. SBA-01A/16/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L22E 11+50N	13	L24E 16+00N	3	L26E 6+75N	5
11+75N	5	16+25N	<1	7+00N	3
12+00N	4	16+50N	<1	7+25N	1
12+25N	2	16+75N	<1	7+50N	1
12+50N	1	17+00N	1	7+75N	2
12+75N	3	17+25N	3	8+00N	1
13+00N	1	17+50N	4	8+25N	1
13+25N	3	17+75N	1	8+50N	1
13+50N	7	18+00N	<1	8+75N	3
13+75N	4	L24E 18+25N	2	9+00N	3
14+00N	4	L26E 4+00N	7	9+25N	5
14+25N	1	4+25N	6	9+50N	2
14+50N	<1	4+50N	4	9+75N	1
14+75N	<1	4+75N	2	10+00N	1
15+00N	<1	5+00N	4	10+25N	1
15+25N	1	5+25N	1	10+50N	13
15+50N	1	5+50N	1	10+75N	3
L22E 15+75N	1	5+75N	3	11+00N	<1
L26E 3+25N	1	6+00N	5	11+25N	1
3+50N	1	6+25N	2	11+50N	1
L26E 3+75N	4	L26E 6+50N	6	L26E 11+75N	4

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Certificate of Analysis

Certificate No. SBA-01A/18/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L26E 12+00N	1	L27E 9+75N	1	L27E 14+75N	12
L27E 4+75N	1	10+00N	<1	15+00N	10
5+00N	<1	10+25N	2	15+25N	31
5+25N	<1	10+50N	2	15+50N	22
5+50N	1	10+75N	1	15+75N	11
5+75N	<1	11+00N	2	16+00N	4
6+00N	<1	11+25N	3	16+25N	2
6+25N	<1	11+50N	1	16+50N	2
6+50N	<1	11+75N	1	16+75N	1
6+75N	<1	12+00N	1	17+00N	3
7+00N	<1	12+25N	1	17+25N	1
7+25N	<1	12+50N	<1	17+50N	2
7+50N	<1	12+75N	1	17+75N	1
7+75N	<1	13+00N	<1	18+00N	1
8+00N	1	13+25N	<1	18+25N	5
8+25N	1	13+50N	1	18+50N	3
8+50N	<1	13+75N	2	18+75N	4
8+75N	<1	14+00N	1	19+00N	4
9+00N	<1	14+25N	1	L27E 19+25N	6
9+25N	<1	L27E 14+50N	1	L28E 6+25N	4
L27E 9+50N	<1				

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Certificate of Analysis

Certificate No. SBA-01/22/7434

Date: February 25, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L24E 16+00N	20	44	L26E 6+00N	17	21
25	25	31	25	12	14
50	21	17	50	7	12
75	28	25	75	14	19
17+00	23	20	7+00	9	21
25	29	24	25	19	40
50	18	42	50	17	27
75	11	13	75	26	33
18+00	15	16	8+00	31	26
25	17	24	25	15	20
L26E 3+25	14	24	50	40	26
50	20	37	75	14	34
75	5	19	9+00	16	39
4+00	21	21	25	21	24
25	8	24	50	25	40
50	30	79	75	27	20
75	5	13	10+00	17	13
5+00	9	21	25	20	5
25	12	11	50	14	21
50	13	4	75	16	9
L26E 5+75N	19	9	L26E 11+00N	15	15

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Certificate of Analysis

Certificate No. SBA-01A/19/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L28E 6+50N	6	L28E 11+50N	1	L28E 16+50N	3
6+75N	5	11+75N	7	16+75N	4
7+00N	4	12+00N	2	17+00N	7
7+25N	4	12+25N	2	17+25N	14
7+50N	5	12+50N	2	17+50N	4
7+75N	1	12+75N	2	17+75N	6
8+00N	4	13+00N	1	18+00N	23
8+25N	2	13+25N	12	18+25N	19
8+50N	2	13+50N	7	18+50N	32
8+75N	1	13+75N	8	18+75N	15
9+00N	2	14+00N	17	19+00N	8
9+25N	2	14+25N	19	L28E 19+25N	5
9+50N	4	14+50N	21	L29E 12+25N	4
9+75N	3	14+75N	13	12+50N	1
10+00N	3	15+00N	20	12+75N	6
10+25N	2	15+25N	208	13+00N	13
10+50N	5	15+50N	64	13+25N	12
10+75N	13	15+75N	106	13+50N	13
11+00N	4	16+00N	26	13+75N	12
L28E 11+25N	6	L28E 16+25N	18	L29E 14+00N	29

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Certificate of Analysis

Certificate No. SBA-01A/20/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L29E 14+25N	18	L30E 12+50N	6	L30E 17+50N	3
14+50N	19	12+75N	3	18+00N	3
14+75N	7	13+00N	7	18+25N	4
15+00N	35	13+25N	7	L30E 18+50N	4
15+25N	23	13+50N	8	L30E 18+75N	N/S
15+50N	30	13+75N	2		
15+75N	39	14+00N	2		
16+00N	18	14+25N	5		
16+25N	11	14+50N	4		
16+50N	6	14+75N	3		
16+75N	2	15+00N	13		
17+00N	4	15+25N	8		
17+25N	1	15+50N	12		
17+50N	5	15+75N	23		
17+75N	3	16+00N	31		
18+00N	15	16+25N	28		
18+25N	5	16+50N	26		
L29E 18+50N	2	16+75N	29		
L30E 12+00N	6	17+00N	11		
L30E 12+25N	6	L30E 17+25N	13		

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Certificate of Analysis

Certificate No. SBA-02/20/7330

Date: January 29, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L1W- 25-S	30	L1W- 550-S	2	L1W-1075-S	3
50	21	575	<1	1100	6
75	12	600	<1	1125	4
100	4	625	17	1150	12
125	7	650	6	1175	5
150	4	675	3	L1W-1200-S	6
175	2	700	<1	L7W 25-N	6
200	<1	725	41	50	6
225	2	750	22	75	17
250	2	775	15	100	15
275	<1	800	4	125	18
300	<1	825	2	150	12
325	<1	850	3	175	7
350	3	875	4	200	12
375	7	900	4	225	14
400	3	925	3	250	8
425	3	950	7	275	15
450	13	975	4	300	6
475	28	1000	4	325	12
500	17	1025	5	350	37
L1W-525-S	31	L1W-1050-S	3	L7W 375-N	23

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Certificate of Analysis

Certificate No. SBA-02A/21/7330

Date: January 29, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L7W-400-N	3	L7W- 950-N	2	L8W 25-S	2
425	3	975	1	50	18
450	1	1000	2	75	19
475	2	1025	2	100	16
500	<1	1075	<1	125	27
525	<1	1100	<1	150	20
550	3	1125	4	175	20
575	<1	1150	2	200	27
625	3	1175	2	225	28
650	3	1200	4	250	30
675	31	1225	3	275	29
700	15	1250	3	300	13
725	25	1275	2	325	7
750	27	1300	2	350	4
775	12	1325	2	375	4
800	3	1350	1	400	29
825	3	1375	3	425	22
850	4	1400	19	450	3
875	2	1425	9	475	2
900	3	L7W-1450-N	13	500	1
L7W-925-N	2			L8W 525-S	5

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Certificate No. SBA-02A/22/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L8W 550-S	2	BLO-275-W	5	BLO-825-W	11
575	1	300	18	850	10
600	1	325	13	875	11
625	5	350	14	900	11
650	3	375	8	925	285
675	3	400	12	950	66
700	1	425	23	975	20
725	2	450	13	1000	15
1500-N	2	475	8	1025	11
1525-N	2	500	17	1050	15
BLO 00-W	3	525	18	1075	13
25	1	550	8	1100	5
50	15	575	7	1125	11
75	4	600	11	1150	307
100	32	625	7	1175	211
125	29	650	14	1200	93
150	13	675	6	1225	115
175	12	725	4	1250	215
200	12	750	2	1275	88
225	6	775	7	1300	17
BLO 250-W	3	BLO-800-W	7	BLO-1325-W	16

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr.



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-02A/24/7330

Date: January 29, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
L10W 25N	111	L10W-225-S	225	L21E 11+75N	19
50N	13	250	49	12+00N	15
75N	14	275	17	12+25N	10
100N	4	300	4	12+50N	6
125N	3	325	37	12+75N	11
150N	2	350	19	13+00N	13
175N	21	375	14	13+50N	4
200N	12	400	13	13+75N	4
225N	6	425	13	14+00N	3
250N	8	450	19	14+25N	8
275N	136	475	11	14+50N	124
25S	81	500	13	14+75N	71
50S	20	525	10	15+00N	21
75S	12	550	13	15+25N	127
100S	19	575	5	15+50N	26
125S	20	600	6	L21E 15+75N	12
150S	13	L10W-625-S	5		
175S	37	L7W-1475-N	10		
L10W-200S	143				

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J. van Engelen Mgr.



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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-02A/23/7330

Date: January 29, 1988

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Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Project: CENTRAL CRUDE

Sample No.	As ppm	Sample No.	As ppm	Sample No.	As ppm
BLO-1350-W	7	BLO-1875-W	16	BLO-2400-W	17
1375	8	1900	11	2425	14
1400	44	1925	8	2450	18
1425	378	1950	6	2475	11
1450	69	1975	2	2500	21
1475	125	2000	4	2525	25
1500	12	2025	8	2550	83
1525	22	2050	7	2575	16
1550	17	2075	57	2600	15
1575	8	2100	16	2625	6
1600	30	2125	46	2650	4
1625	526	2150	13	2675	146
1650	119	2175	13	BLO-2700	263
1675	14	2200	6	L7W-1050-W	62
1700	54	2225	17		
1725	86	2250	350		
1750	12	2275	6		
1775	11	2300	25		
1800	35	2325	19		
1825	14	2350	162		
BLO-1850-W	12	BLO-2375-W	27		

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/01/7434

Date: February 23, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page /
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L10 0+00N	18	18	L10E 7+75N	28	17
25	16	19	8+50	39	23
50	4	23	75	41	35
75	15	15	9+00	24	9
2+00	9	18	25	26	13
75	11	19	50	37	19
3+00	5	21	75	14	22
25	14	19	10+00	17	14
4+50	19	11	50	63	30
75	18	10	75	27	13
50	9	26	11+00	29	20
75	28	14	25	42	31
5+00	16	13	50	40	29
6+00	21	17	75	21	16
25	22	15	12+00	30	58
50	25	35	50	10	32
75	28	26	75	16	11
7+00	41	18	13+00	30	21
25	30	25	75	27	37
L10 7+50N	32	24	14+00	9	20
			14+25N	11	14

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/02/7434

Date: February 23, 1988

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Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L10E 14+50N	10	18	L11E 4+25N	13	21
75	19	21	5+50	17	36
15+00	18	26	75	14	31
25	7	10	6+00	23	26
50	13	17	25	24	20
75	15	7	50	14	22
L11E 0+00	7	13	75	14	30
25	14	5	7+25	10	10
50	11	14	50	18	29
75	10	5	8+00	22	17
1+00	24	9	25	28	39
25	19	6	50	24	24
50	36	32	75	20	15
75	26	14	9+25	21	16
2+25	30	21	50	35	18
50	29	37	75	31	14
75	34	21	10+00	20	8
3+00	36	22	25	25	21
25	20	34	11+25	14	19
50	32	29	L11E 11+50N	36	26
L11E 4+00N	18	26			

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Certificate of Analysis

Certificate No. SBA-01/03/7434

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Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L11E 12+00N	35	16	L12E 1+25N	18	19
25	10	19	50	13	13
50	14	13	75	18	21
75	28	50	2+00	19	22
13+00	32	24	25	34	42
25	14	8	50	28	20
50	22	7	75	29	19
75	30	57	3+00	30	28
14+00	19	9	25	35	35
75	23	31	50	53	20
15+00	34	15	75	40	14
25	33	17	4+00	34	19
50	25	24	5+00	25	23
75	39	38	25	16	38
16+00	30	41	50	18	29
25	11	6	75	20	27
50	22	16	6+00	30	47
L12E 0+00	16	11	25	25	21
25	7	17	50	29	42
50	8	18	L12E 5+75N	23	23
L12E 1+00N	23	27			

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Certificate of Analysis

Certificate No. SBA-01/04/7434

Date: February 23, 1988

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Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L12E 7+00N	12	23	L13E 0+50N	12	14
25	10	31	75	20	30
50	18	25	1+00	22	27
75	7	18	25	18	28
8+00	16	9	1+50	9	13
25	15	26	75	13	20
50	8	18	2+00	5	17
10+75	16	16	25	22	29
12+25	11	13	50	15	31
50	12	32	75	12	27
75	23	34	3+00	17	42
13+00	7	40	25	6	17
25	11	13	50	13	20
50	9	16	75	10	23
75	12	17	4+00	4	18
14+00	14	31	25	24	19
25	19	18	50	25	41
50	27	35	75	23	29
L13E 0+00	25	69	5+00	30	33
L13E 0+25N	15	17	L13E 5+25N	23	32

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Certificate of Analysis

Certificate No. SBA-01/05/7434

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Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L13E 5+50N	10	66	L13E 12+00N	18	34
75	13	53	25	15	24
6+00	9	72	50	16	37
25	14	54	75	21	31
50	12	47	13+00	30	33
75	15	22	25	28	24
7+00	20	33	50	26	46
25	21	47	75	32	44
50	30	48	14+00	35	29
75	22	34	25	25	36
8+00	24	60	50	19	34
25	23	27	L14E 0+00	17	24
50	18	39	25	6	35
75	16	30	50	16	38
9+00	27	28	75	12	26
25	30	24	1+00	25	45
50	20	29	25	37	62
11+25	26	55	50	32	34
50	25	34	75	31	83
L13E 11+75N	32	32	L14E 2+00N	26	45

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Certificate of Analysis

Certificate No. SBA-01/06/7434

Date: February 23, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L14E 2+25N	13	46	L14E 8+00N	25	20
50	11	27	25	30	15
75	16	16	50	38	30
3+00	22	57	75	32	27
25	20	22	9+00	30	43
50	15	30	25	17	40
75	28	36	50	21	23
4+00	35	33	75	18	17
25	40	39	11+00	23	33
50	32	35	25	14	40
75	39	31	50	20	28
5+00	39	16	75	16	25
50	30	28	12+00	25	24
75	35	32	25	10	44
6+00	31	35	50	14	53
25	27	30	75	17	64
75	17	29	13+00	27	46
7+25	33	23	25	20	16
50	15	18	50	13	34
L14E 7 75N	22	32	L14E 13+75N	39	28

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Certificate of Analysis

Certificate No. SBA-01/07/7434

Date: February 23, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L14E 14+00N	20	5	L15E 4+50N	27	21
25	21	33	5+25	19	25
50	33	25	50	10	8
0+00	44	42	75	398	17
25	10	16	6+00	23	18
50	25	18	25	30	22
75	50	29	50	29	15
1+25	34	28	75	40	25
50	32	20	7+25	24	21
75	40	25	50	23	41
2+00	42	21	75	17	25
25	34	30	8+00	31	24
50	38	23	25	16	16
75	10	7	50	11	17
3+00	29	21	75	5	18
25	30	20	9+00	168	18
50	188	7	25	22	19
75	22	24	50	18	25
4+00	24	26	75	27	23
L14E 4+25	19	35	L15E 10+00N	146	65

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/08/7434

Date: February 23, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L15E 10+25N	11	15	L16E 0+25N	16	11
50	16	29	50	10	15
75	10	57	75	19	19
11+00	8	30	1+00	8	27
25	12	22	25	10	31
50	17	33	50	6	13
75	25	38	75	7	17
12+00	18	37	2+00	9	27
25	38	95	25	12	24
50	10	39	50	19	25
75	27	60	75	11	23
13+00	22	57	3+00	18	65
25	17	20	25	26	53
50	25	30	75	19	17
75	4	22	4+00	23	16
14+00	22	26	25	8	26
25	25	28	50	20	19
50	36	34	75	9	27
75	33	31	5+00	13	18
L16E 0+00N	26	14	L16E 5+25N	10	15

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/09/7434

Date: February 23, 1988

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Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm
L21E 11+75N	25	10
12+00	12	40
25	15	19
50	20	15
75	19	8
13+00	18	35
50	26	8
75	11	5
14+00	18	4
25	17	4
50	20	6
75	2	5
15+00	5	13
25	3	10
50	4	19
L21E 15+75N	22	14

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/10/7434

Date: February 24, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L16E 5+50N	16	31	L16E 12+00N	12	23
75	24	34	25	21	44
6+00	28	33	50	8	27
25	19	25	75	25	22
50	12	26	13+00	10	16
75	10	19	25	8	22
7+00	8	9	50	9	15
25	5	18	75	5	27
75	7	18	14+00	3	25
8+25	9	23	25	20	13
50	3	27	L16E 14+50	9	15
75	8	32	L17E 0+00	4	22
9+00	14	22	25	8	44
25	20	27	50	23	30
50	25	22	75	26	12
75	18	29	1+00	31	20
10+00	28	36	25	34	44
25	21	16	50	36	46
75	23	31	75	33	22
11+25	19	33	2+00	30	34
50	13	26	25	26	36
L16E 11+75N	14	28	L17E 2+50N	32	47

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/11/7434

Date: February 24, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L17E 2+75N	31	31	L17E 9+00N	14	23
3+00	27	34	25	24	36
25	19	17	50	9	18
50	18	16	75	16	27
75	31	18	10+00	11	28
4+00	21	11	25	12	25
25	16	12	50	15	15
50	28	22	75	22	8
75	22	13	11+00	10	13
5+00	21	14	25	15	12
25	19	19	50	10	21
75	33	28	75	7	10
6+00	27	29	12+00	28	11
25	25	24	25	26	70
50	23	22	50	21	25
75	32	20	75	11	13
7+00	34	29	13+00	23	24
25	43	11	25	14	25
50	32	19	50	16	55
75	27	5	75	46	81
8+00	33	6	14+00	13	38
L17E 8+25N	39	24	L17E 14+25N	15	24

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/12/7434

Date: February 24, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L17E 0+25S	5	18	L18E 0+00N	12	28
50	9	20	25	9	33
75	14	24	50	13	36
1+00	10	25	75	14	26
25	6	21	1+00	10	35
50	9	33	25	15	13
75	9	32	50	21	9
2+00	5	40	75	13	20
25	8	38	2+00	19	6
50	13	27	25	34	25
75	11	20	50	30	18
3+00	8	43	75	20	11
25	12	38	3+00	29	28
50	15	24	25	22	26
75	18	22	50	24	22
4+00	60	83	75	8	27
25	46	45	4+00	5	15
50	29	33	25	13	8
75	15	20	50	8	24
L17E 5+00S	10	19	L18E 4+75	16	28
L17E 8+50N	25	130			
L17E 8+75N	19	135			

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/13/7434

Date: February 24, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
C.C. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L18E 5+00N	3	18	L18E 10+25N	56	265
25	25	86	50	36	12
50	24	17	75	33	10
75	33	23	11+00	38	23
6+00	26	31	25	20	18
25	31	24	50	22	14
50	23	39	75	25	17
75	34	28	12+00	25	8
7+00	24	30	25	23	32
25	25	26	50	11	28
75	29	24	75	15	14
8+00	26	34	13+00	18	16
25	16	16	25	8	19
50	11	5	50	5	28
75	15	18	75	7	17
9+00	24	32	14+00	11	10
25	25	14	25	9	23
50	23	20	50	15	19
75	30	21	75	12	22
L18E 10+00	27	23	L18E 15+00N	10	20

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/14/7434

Date: February 24, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L18E 0+25S	16	49	L19E 1+50S	14	17
50	10	39	75	10	22
75	25	30	2+00	12	31
1+00	7	17	25	20	22
25	46	71	50	19	20
50	22	26	75	23	12
75	15	30	3+00	35	96
2+00	9	18	25	10	17
25	19	9	50	12	28
50	11	38	75	13	20
75	27	20	4+00	9	21
3+00	10	27	25	11	17
25	40	62	50	7	22
50	14	55	75	8	20
75	25	58	5+00	14	32
4+00	10	30	25	22	23
25	8	31	50	30	72
50	15	17	75	22	25
75	10	18	6+00	18	22
5+00	21	4	L19E 6+25S	21	29
25	27	11			
L18E 5+50S	20	8			

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Certificate No. SBA-01/15/7434

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Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L19E 0+00N	28	127	L19E 4+50N	15	22
25	26	179	75	8	19
50	23	315	5+00	13	16
75	13	210	25	22	21
1+00	19	90	50	19	34
25	17	107	75	7	20
50	33	144	6+00	15	39
75	31	211	25	21	17
2+00	20	139	50	21	21
25	40	45	8+00	16	19
50	34	52	25	7	33
75	30	68	50	14	28
3+00	21	126	75	11	18
25	20	77	9+00	10	20
50	27	69	25	19	12
75	13	82	50	25	25
4+00	18	115	75	29	16
L19E 4+25N	10	25	10+00	14	13
			75	22	19
			L19E 11+00N	14	22

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J. van Engelen Mgr.

ANALYTICAL CHEMISTS · ASSAYING · CONSULTING · ORE DRESSING · REPRESENTATION



ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/16/7434 Date: February 24, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L19E 11+25N	16	14	L20E 0+00N	17	16
50	22	16	25	8	12
75	11	13	50	10	16
12+00	23	18	75	10	13
25	30	8	1+00	15	11
50	33	29	25	13	24
75	22	20	50	16	18
13+00	7	13	2+00	22	17
25	14	20	25	23	18
50	30	45	50	17	9
75	10	19	75	18	26
14+00	8	24	3+00	22	24
25	5	14	25	12	6
50	9	22	50	16	12
14+75N	9	21	75	18	17
0+25S	12	34	4+00	11	16
50	7	24	25	25	27
0+75	11	37	50	18	10
L19E 1+00S	16	34	75	20	30
L19E 1+25S	15	27	5+00	17	34
			L20E 5+25N	16	35

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J. van Engelen Mgr.



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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/17/7434

Date: February 24, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L20E 5+50N	7	11	L20E 11+00N	10	22
75	18	22	25	6	21
6+00	40	55	50	12	16
25	21	36	75	13	7
50	11	19	12+00	14	14
75	9	12	25	16	13
7+00	5	11	50	11	10
25	22	10	75	11	12
50	16	11	13+00	22	20
8+00	26	9	25A	26	7
25	29	10	25B	17	16
50	11	8	50	16	13
75	21	20	75	17	15
9+00	17	23	14+00	11	10
25	16	18	25	13	13
50	15	15	50	7	19
75	20	22	75	12	13
10+00	26	18	L20E 15+00	14	18
25	20	19	L21E 0+00	5	11
50	32	25	25	19	8
L20E 10+75	29	21	L21E 50N	25	32

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Certificate of Analysis

Certificate No. SBA-01/18/7434

Date: February 24, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L21E 0+75N	10	32	L21E 7+50N	12	13
1+00	15	30	75	21	39
25	3	20	8+00	8	26
50	6	18	25	9	20
3+25	4	26	50	22	9
50	11	24	75	6	20
75	12	36	9+75	9	29
4+00	8	38	10+00	16	16
25	4	37	25	6	23
50	11	29	50	3	31
75	16	57	75	11	36
5+00	14	82	11+00	10	23
25	18	44	25	6	32
50	6	27	50N	18	24
75	14	49	0+25S	7	30
6+00	9	35	50	10	17
25	18	31	75	20	15
50	21	44	1+00	22	25
75	29	36	25	18	12
7+00	31	41	L21E 1+50S	16	32
L21E 7+25N	19	17	L21E 0+25S	23	26

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Certificate of Analysis

Certificate No. SBA-01/19/7434

Date: February 24, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L21E 1+75S	15	31	L22E 5+50N	10	19
2+00	10	19	75	20	11
25	5	25	6+00	22	13
50S	12	26	25	24	10
L22E 0+00N	16	38	50	26	13
25	18	22	75	20	11
50	22	20	7+00	23	8
75	23	37	25	18	5
1+00	18	28	50	15	6
25	11	20	9+25	17	12
50	10	23	50	16	11
75	9	19	75	23	20
2+00	15	18	10+25	25	26
25	27	24	50	24	25
4+00	25	12	75	20	37
25	18	8	11+00	21	28
50	8	5	25	25	23
75	13	6	50	10	25
5+00	10	10	75	3	8
L22E 5+25N	21	12	L22E 12+00N	4	17

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Certificate of Analysis

Certificate No. SBA-01/20/7434 Date: February 24, 1988
Received _____ Samples of Soils
Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L22E 12+25N	16	16	L24E 0+75N	15	29
50	10	4	1+00	10	55
75	18	11	25	13	19
13+00	24	19	50	15	48
25	22	10	75	12	32
50	30	15	2+00	25	50
75	25	23	25	22	40
14+00	7	16	50	15	14
25	14	24	75	12	17
50	20	31	3+00	8	27
75	19	12	25	11	22
15+00	22	17	50	21	28
25	20	19	75	12	16
50	15	20	4+00	9	28
L22E 15+75	5	13	25	7	25
L24E 0+00	20	27	50	7	24
25	14	29	75	5	23
L24E 0+50N	20	31	5+00	15	20
			25	12	24
			L24E 5+50N	13	25

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33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

Certificate of Analysis

Certificate No. SBA-01/21/7434

Date: February 25, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L24E 5+75N	10	10	L24E 10+75N	6	18
6+00	9	22	11+00	15	24
25	13	35	25	13	22
50	18	17	50	9	25
75	12	10	75	13	14
7+00	6	7	12+00	22	16
25	7	15	25	16	26
50	4	6	50	9	24
75	8	7	75	20	19
8+00	6	19	13+00	22	19
25	11	17	25	40	27
50	13	18	50	21	15
75	15	7	75	7	20
9+00	9	4	14+00	24	83
25	9	15	25	16	22
50	5	9	50	23	18
75	12	22	75	20	32
10+00	14	25	15+00	12	20
10+25	16	18	25	22	24
L24E 10+50N	13	23	50	30	29
			L24E 15+75N	25	26

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Certificate of Analysis

Certificate No. SBA-01/23/7434

Date: February 25, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L26E 11+25N	11	20	L27E 9+25N	17	30
50	8	28	50	26	37
75	15	24	75	7	14
12+00	24	40	10+00	3	32
L27E 4+75	12	53	25	11	33
5+00	20	42	50	9	19
25	16	65	75	10	16
50	18	40	11+00	18	18
75	14	37	25	15	20
6+00	10	51	50	7	16
25	9	61	75	11	21
50	16	75	12+00	10	20
75	6	30	25	15	21
7+00	13	46	50	12	19
25	6	31	75	20	37
50	5	19	13+00	14	20
75	7	29	25	22	25
8+00	15	30	50	20	29
25	20	32	75	24	31
50	27	20	14+00	20	26
75	24	21	25	23	30
L27E 9+00N	20	33	L27E 14+50N	16	32

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Certificate of Analysis

Certificate No. SBA-01/24/7434

Date: February 25, 1988

Received _____ Samples of Soils

Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L27E 14+75N	6	19	L28E 6+50N	9	22
15+00	15	67	75	15	17
25	9	26	7+00	10	23
50	5	20	25	9	15
75	16	18	50	11	8
16+00	20	30	75	11	9
25	14	25	8+00	19	11
50	15	24	25	18	46
75	19	53	50	25	13
17+00	19	32	75	7	17
25	15	20	9+00	18	10
50	13	25	25	33	37
75	14	14	50	32	21
18+00	20	22	75	25	22
25	23	20	10+00	21	15
50	16	11	25	12	15
75	12	21	50	27	13
19+00	14	19	75	14	15
L27E 19+25	18	21	11+00	5	14
L28E 6+25N	16	26	L28E 11+25N	16	14

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Certificate of Analysis

Certificate No. SBA-01/24/7434

Date: February 25, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L28E 11+50N	20	26	L28E 16+50N	28	57
75	19	46	75	38	21
12+00	9	13	17+00	27	17
25	17	8	25	29	19
50	23	18	50	5	6
75	25	14	75	14	6
13+00	13	22	18+00	30	13
25	5	17	25	18	5
50	11	4	50	50	27
75	8	15	75	12	21
14+00	19	47	19+00	14	24
25	21	37	25	7	28
50	7	43	L29E 12+25	10	34
75	8	28	50	18	18
15+00	16	64	75	4	9
25	33	64	13+00	5	22
50	36	80	25	6	20
75	22	58	50	8	35
16+00	4	27	75	14	31
L28E 16+25N	6	24	L29E 14+00N	7	26

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Certificate of Analysis

Certificate No. SBA-01/25/7434

Date: February 25, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L29E 14+25N	5	20	L30E 13+00N	10	14
50	13	39	25	15	27
75	21	37	50	30	150
15+00	37	45	75	16	45
25	35	43	14+00	11	32
50	33	40	25	20	41
75	25	69	50	15	18
16+00	19	41	75	12	14
25	26	53	15+00	36	20
50	17	62	25	34	15
75	10	53	50	26	24
17+00	24	71	75	14	31
25	15	41	16+00	32	33
50	20	31	25	25	47
75	7	33	50	20	45
18+00	9	66	75	30	22
25	8	31	17+00	26	47
50	12	25	25	20	32
L30E 12+00	10	44	50	13	12
25	17	31	18+00	28	27
L30E 12+50	12	30	25	14	16
L30E 12+75N	5	24	L30E 18+50N	7	25

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Certificate of Analysis

Certificate No. SBA-02/01/7434

Date: February 22, 1988

Received _____

Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L1W-25S	10	41	L1W-550S	15	33
50	5	52	575	20	49
75	4	103	600	12	48
100	9	75	625	45	118
125	26	104	650	4	43
150	9	21	675	3	54
175	13	35	700	2	36
200	16	58	725	14	109
225	7	21	750	19	61
250	2	102	775	11	68
275	20	68	800	12	47
300	16	64	825	12	72
325	11	28	850	13	88
350	17	61	875	11	68
375	9	49	900	8	96
400	13	50	925	11	69
425	7	33	950	11	90
450	16	47	975	6	74
475	46	91	1000	7	28
500	17	66	1025	20	105
L1W-525S	11	50	L1W-1050S	21	169

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Submitted by Central Crude Limited Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L1W-1075S	14	105	L7W 400N	10	92
1100	7	83	425	10	130
1125	11	45	450	13	67
1150	8	60	475	4	34
1175	12	13	500	3	23
L1W-1200S	7	53	525	8	95
L7W 25N	5	30	550	2	24
50	71	65	575	3	26
75	3	52	625	5	28
100	4	37	650	4	24
125	5	38	675	20	41
150	5	20	700	3	16
175	5	31	725	52	43
200	4	15	750	30	60
225	11	28	775	5	14
250	14	36	800	2	12
275	5	74	825	21	53
300	12	17	850	6	21
325	10	55	875	7	35
350	7	72	900	3	15
L7W 375N	10	74	L7W 925N	5	12

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Certificate No. SBA-02/03/7434

Date: February 22, 1988

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Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L7W 950N	26	29	L8W 25S	19	62
975	31	51	50	18	35
1000	22	128	75	17	42
1025	20	70	100	33	77
1075	17	53	125	32	86
1100	23	100	150	36	81
1125	30	44	175	45	72
1150	25	130	200	40	133
1175	20	31	225	30	182
1200	23	22	250	50	147
1225	23	85	275	27	155
1250	21	102	300	19	79
1275	30	80	325	19	61
1300	10	50	350	15	41
1325	14	49	375	10	80
1350	15	58	400	30	41
1375	19	66	425	26	98
1400	17	30	450	15	23
1425	27	55	475	18	48
L7W 1450	37	173	500	16	50
			L8W 525S	13	36

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Submitted by Central Crude Limited

Att'n: Mr. C. Page

c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L8W 550S	22	39	BL0 275W	15	56
575	18	47	300	18	73
600	19	106	325	11	19
625	16	36	350	16	84
650	14	25	375	20	21
675	18	23	400	17	36
700	19	56	425	3	38
L8W 725S	23	53	450	4	45
L7W 1500N	24	139	475	8	37
BL0 1525	29	126	500	14	56
00	23	24	525	5	29
25W	22	119	550	9	51
50	18	30	575	14	55
75	17	46	600	27	50
100	32	77	625	6	47
125	28	31	650	13	34
150	18	37	675	17	135
175	23	35	725	3	29
200	26	53	750	5	19
225	21	71	775	20	44
BL0 250W	20	92	BL0 800	10	53

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Samples of Soils

Submitted by Central Crude Limited

Att'n: Mr. C. Page
c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
BLO 825W	10	32	BLO 1350W	7	57
850	30	157	1375	5	60
875	40	78	1400	13	88
900	18	50	1425	9	65
925	25	69	1450	5	87
950	23	118	1475	4	160
975	40	103	1500	10	50
1000	27	29	1525	5	42
1025	41	52	1550	7	51
1050	30	48	1575	8	49
1075	23	63	1600	10	86
1100	10	73	1625	11	27
1125	16	29	1650	7	40
1150	22	307	1675	15	49
1175	20	126	1700	6	80
1200	19	63	1725	9	161
1225	20	84	1750	8	62
1250	17	134	1775	14	18
1275	21	29	1800	8	46
1300	23	45	1825	10	29
BLO 1325W	11	119	BLO 1850W	16	38

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Certificate No. SBA-02/06/7434 Date: February 22, 1988

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c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
BLO-1875W	8	38	BLO 2400W	10	203
1900	15	49	2425	14	64
1925	14	35	2450	50	140
1959	13	32	2475	11	69
1975	17	52	2500	23	74
2000	18	36	2525	11	48
2025	14	42	2550	14	81
2050	12	65	2575	29	126
2075	13	37	2600	31	125
2100	19	92	2625	14	168
2125	17	49	2650	20	106
2150	15	23	2675	25	74
2175	10	51	BLO 2700	55	197
2200	20	75	L7W 1050W	8	61
2225	24	107			
2250	13	58			
2275	5	37			
2300	3	33			
2325	4	35			
2350	8	75			
BLO 2375W	20	124			

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Certificate No. SBA-02/07/7434 Date: February 22, 1988
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c.c. Mr. S. Sears

Sample No.	Cu ppm	Zn ppm	Sample No.	Cu ppm	Zn ppm
L10W 25N	10	33	L10W 275S	2	31
50	12	81	300	8	42
75	23	43	325	13	35
100	10	14	350	19	46
125	13	12	375	20	71
150	20	47	400	21	36
175	40	827	425	22	20
200	15	33	450	19	28
225	16	29	475	24	36
250	18	19	500	26	55
275N	40	67	525	31	18
25S	25	58	550	32	71
50	33	55	575	26	36
75	30	87	600	10	34
100	27	36	L10W 625S	15	66
125	35	28	L7W 1475N	8	170
150	32	59			
175	32	68			
200	17	56			
225	20	60			
L10W 250S	16	38			

ASSAYERS (ONTARIO) LIMITED

Per _____

J. van Engelen Mgr.



42C04SE0037 2.11201 DAVID LAKES

900

Form header containing: Type of Survey(s) Soil Geochemical, Assays; Claim Holder(s) Joutel Resources Limited; Address 111 Richmond Street West, Suite 800, Toronto, Ontario M5H 2G4; Survey Company C.E.P. Consulting; Date of Survey (from & to) 15 10 87 to 05 12 87; Total Miles of line Cut 23; Name and Address of Author (of Geo-Technical report) C.E. Page, 111 Richmond Street West, Suite 800, Toronto, Ontario M5H 2G4

Special Provisions section with RECEIVED stamps (APR 8 1988, MAR 17 1988) and checkboxes for Geophysical, Geological, and other survey types.

Table with 4 columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr., and a second set of columns for another set of Mining Claims. Lists claims 779314 through 779336 and 779337 through 779359.

Expenditures (excludes power stripping) section with Type of Work Performed Assays, Performed on Claim(s) 809929-35, 809941-46, 809949-53, 809960-62, 779316-19, and Calculation of Expenditure Days Credits: \$ 24,371.00 ÷ 15 = 1625

Instructions section: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only section with Total Days Cr. Recorded 1625, Date Recorded March 17/88, and Mining Recorder signature G. A. Kuyk.

Date March 15/88 and Recorded Holder or Agent (Signature) C.E. Page

Certification Verifying Report of Work section: I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying: C.E. Page, V.P. Exploration, Suite 800, 111 Richmond Street W. Toronto, Ont M5H 2G4. Date Certified March 15, 1988.

David Lakes
Joutel Resources

Mining Claims Traversed

Mining Claim Expend
Prefix Number Days Cr.

SSM	779364	20
	779365	20
	779366	20
	779367	20
	779368	20
	779369	20
	779370	20
	779371	20
	779372	20
	779373	15
	779374	20
	779375	20
	779376	20
	809927	20
	809928	20
	809931	10
	809932	10
	809933	20
	809934	20
	809935	20
	809936	10
	809937	10
	809938	10
	809939	10
	809940	10
	809941	20
	779360	15
	779361	15
	779362	20
	779363	20

Mining Claim Expend
Prefix Number Days Cr.

SSM	809942	10
	809943	10
	809944	10
	809945	10
	809946	10
	809947	10
	809948	10
	809949	20
	809950	10
	809951	10
	809952	10
	809953	10
	809954	10
	809955	10
	809956	10
	809957	10
	809958	10
	809959	10
	809960	20
	809961	10
	809962	10

DOCUMENT NO Instructions: - Please type or print.
W8805-046 Note: - If number of mining claims traversed exceeds space on this form, attach a list.
- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

May 6

Mining Act

Type of Survey(s) **Soil Geochemical Survey** Township or Area **David Lakes (Wawa Co.)**

Claim Holder(s) **Joutel Resources Limited** **2.11201** Prospector's Licence No. **T-1943**

Address **111 Richmond Street West, Suite 800, Toronto, Ontario M5H 2G4**

Survey Company **C.E.P. Consulting** Date of Survey (from & to) **15 10 87 05 12 87** Total Miles of line Cut **23**

Name and Address of Author (of Geo-Technical report) **C.E. Page, 111 Richmond Street West, Suite 800, Toronto, Ont. M5H 2G4**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid:	- Radiometric	
Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	20
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
SSM	809929			779319	
	809930				
	809931				
	809932				
	809933				
	809934				
	809935				
	809941				
	809942				
	809943				
	809944				
	809945				
	809946				
	809949				
	809950				
	809951				
	809952				
	809953				
	809960				
	809961				
	809962				
	779316				
	779318				

RECEIVED
APR 8 1988
MINING LANDS SECTION

RECEIVED
17 CK
APR 25 1988
E.M.

RECORDED
MAR 17 1988
Receipt No.

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

Total number of mining claims covered by this report of work. **24**

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded **480** Date Recorded **March 17/88** Mining Recorder **ACTING G. A. Kuylo**

Date Approved as Recorded **See reversal work statement** Branch Director

Date **March 15/88** Recorded Holder or Agent (Signature) *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying **C.E. Page, 111 Richmond Street West, Suite 800 Toronto, Ontario M5H 2G4**

Date Certified **March 15/88** Certified by (Signature) *[Signature]*



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) SOIL GEOCHEMICAL
Township or Area DAVID LANCES, M-12 (WANA)
Claim Holder(s) IONUEL RESOURCES LIMITED
Survey Company CEP CONSULTING
Author of Report Charles E. PAGE
Address of Author 1434 WESTBURY NE, Burlington, ONT.
Covering Dates of Survey 15/10/87 to 05/12/87
(linecutting to office)
Total Miles of Line Cut 23 miles

MINING CLAIMS TRAVERSED	
List numerically	
ESM	809929
(prefix)	(number)
	809930
	809931
	809932
	809933
	809934
	809935
	809941
	809942
	809943
	809944
	809945
	809946
	809949
	809950
	809951
	809952
	809953
	809960
	809961
	89962
	779316
TOTAL CLAIMS <u>24</u>	

<u>SPECIAL PROVISIONS</u>		DAYS
<u>CREDITS REQUESTED</u>	Geophysical	per claim
ENTER 40 days (includes line cutting) for first survey.	-Electromagnetic _____	
ENTER 20 days for each additional survey using same grid.	-Magnetometer _____	
	-Radiometric _____	
	-Other _____	
	Geological _____	
	Geochemical <u>20</u>	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: April 29/88 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

<u>Previous Surveys</u>			
File No.	Type	Date	Claim Holder

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

**INDUCED POLARIZATION
RESISTIVITY**

Instrument _____

Method Time Domain Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

MINING CLAIMS TRANSGRESSED (CONT'D)

SSM

779318

779319

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken 24

Total Number of Samples 1,356
 Type of Sample B HORIZON (SOIL)
(Nature of Material)
 Average Sample Weight 1 kg to .5 kg
 Method of Collection GRUB HOE

Soil Horizon Sampled B HORIZON
 Horizon Development SANDY/CLAY TILL
 Sample Depth 30 CM.
 Terrain ROLLING

Drainage Development WELL DRAINED
 Estimated Range of Overburden Thickness NIL
to 25 feet.

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

- Mesh size of fraction used for analysis _____
 ① Dry, coarse screen (20 mesh)
 ② - 50 mesh, Blend
 ③ DIGESTION (AQUA REGIA)

General _____

ANALYTICAL METHODS

Values expressed in: per cent
 p. p. m.
 p. p. b.

(Cu), Pb, (Zn), Ni, Co, Ag, Mo, (As) (circle)

Others AU (PPB)

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (1,356 tests)

Name of Laboratory ASSAYERS ONTARIO

Extraction Method AQUA REGIA
(DISSOLUTION)

Analytical Method _____

Reagents Used HCL, HNO3,

General AS - Colimetric

Cu, Zn - ATOMIC ABSORPTION

AU - WET CHEMICAL

EXTRACTION (NIBK)

- ATOMIC ABSORPTION



Ministry of
Northern Development
and Mines

Ontario

Ministère du
Développement du Nord
et des Mines

July 29, 1988

Your file: W8805-45
W8805-46
Our file: 2.11201

Mining Recorder
Ministry of Northern Development and Mines
875 Queen Street East
Box 669
Sault Ste. Marie, Ontario
P6A 2B3

Dear Madam:

Re: Notice of Intent dated July 4, 1988
Geochemical Survey and Data for Assaying
submitted on Mining Claims SSM 779314 et al
in the Area of David Lakes

The assessment work credits, as listed with the above-mentioned
Notice of Intent, have been approved as of the above date.

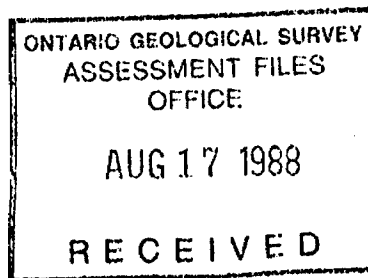
Please inform the recorded holder of these mining claims and so
indicate on your records.

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines & Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888



D. AB:pl
Enclosure

cc: Mr. G.H. Ferguson
Mining and Lands Commissioner
Toronto, Ontario

Resident Geologist
Wawa, Ontario

Joutel Resources Limited
111 Richmond Street West
Suite 800
Toronto, Ontario
M5H 2G4



Recorded Holder
Joutel Resources Limited

~~XXXXXX~~ Area
David Lakes

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	<p>\$24,371.00 SPENT ON SAMPLE ANALYSES TAKEN FROM MINING CLAIMS:</p> <p>SSM-779315-16 ✓ 2</p> <p>779318 to 20 inclusive ✓ 3</p> <p>779324-25 ✓ 2</p> <p>779327-28 ✓ 2</p> <p>779332-33 ✓ 2</p> <p>779339 to 41 inclusive ✓ 3</p> <p>779343 to 46 inclusive ✓ 4</p> <p>779353-54 ✓ 2</p> <p>779357 ✓ 1</p> <p>779360-61 ✓ 2</p> <p>779375 ✓ 1</p> <p>809928 to 35 inclusive ✓ 8</p> <p>809940 to 47 inclusive ✓ 8</p> <p>809948 to 54 inclusive ✓ 7</p> <p>809959 to 62 inclusive 4</p> <p style="text-align: right;">51</p> <p>1,625 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980</p>
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Recorded Holder
Joutel Resources Limited

Township Area
David Lakes

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	SSM-809931 ✓ 1
Radiometric _____ days	809933 ✓ 1
Induced polarization _____ days	809941 to 46 inclusive ✓ 6
Other _____ days	809949 to 53 inclusive ✓ 5
	809960 to 62 inclusive ✓ 3
	779316 ✓ 1
	779319 1
	18
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical <u>20</u> days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

10 days Geochemical

SSM-809929-30 ✓	2
809932 ✓	1
809934-35 ✓	2
779318	$\frac{1}{6}$

No credits have been allowed for the following mining claims

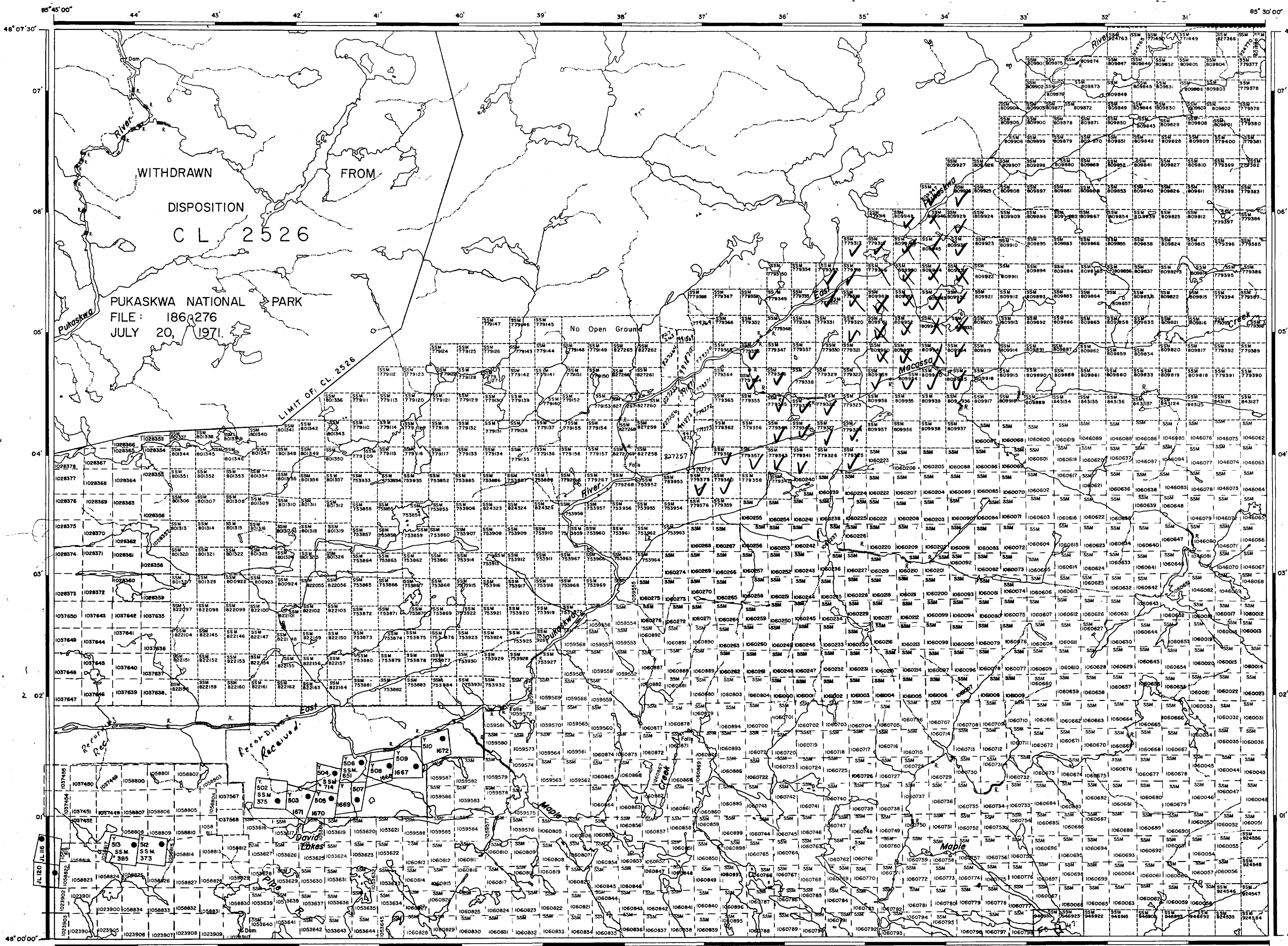
not sufficiently covered by the survey

insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

REFERENCES
AREAS WITHDRAWN FROM DISPOSITION
 M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File



DATE OF ISSUE
 JUL 8 1986
 SAULT STE. MARIE
 MINING RECORDERS OFFICE

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SURVEY LINE
- MARSH OR SHOULE
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

- | TYPE OF DOCUMENT | SYMBOL |
|---------------------------------|--------|
| PATENT, SURFACE & MINING RIGHTS | |
| " SURFACE RIGHTS ONLY | |
| " MINING RIGHTS ONLY | |
| LEASE, SURFACE & MINING RIGHTS | |
| " SURFACE RIGHTS ONLY | |
| " MINING RIGHTS ONLY | |
| LICENCE OF OCCUPATION | |
| ORDER IN COUNCIL | |
| RESERVATION | |
| CANCELLED | |
| SAND & GRAVEL | |
- NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSECTION 1.

SCALE: 1 INCH = 40 CHAINS

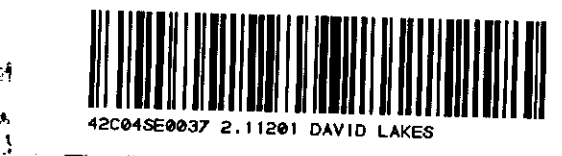
FEET 0 1000 2000 4000 6000 8000
 METRES 0 300 1000 2000 3000 4000

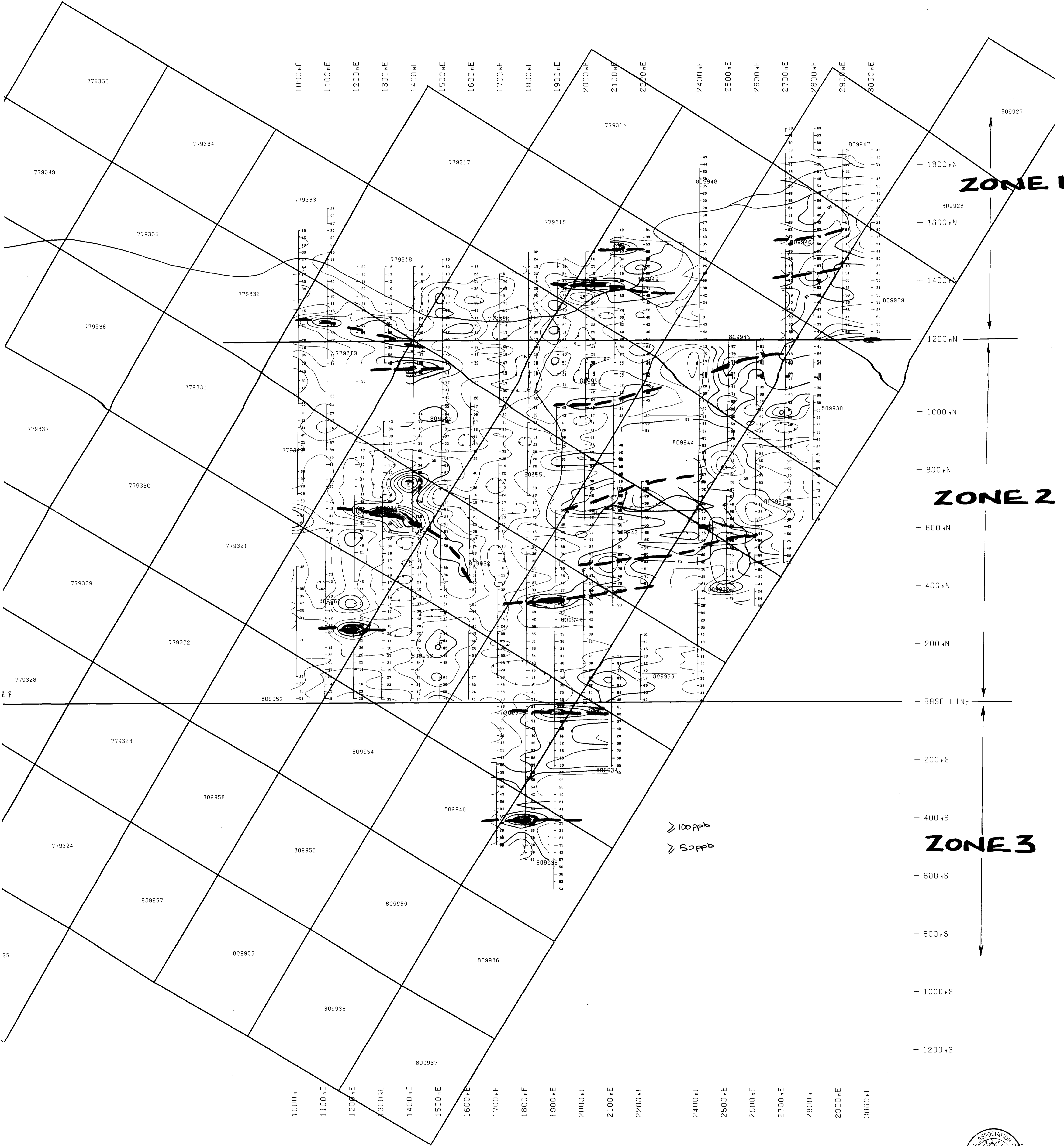
AREA
DAVID LAKE
 M.N.R. ADMINISTRATIVE DISTRICT
WAWA
 MINING DIVISION
 SAULT STE. MARIE
 LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ministry of Natural Resources Ontario
 Ministry of Northern Development and Mines

Date: DECEMBER, 1986. Number: **G-3765**

SAULT STE. MARIE
RECEIVED

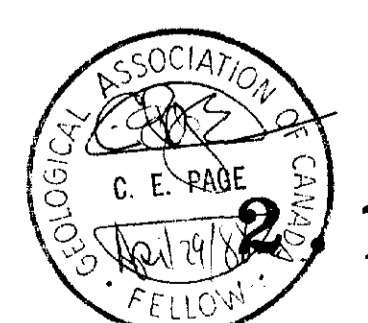




ZONE 1

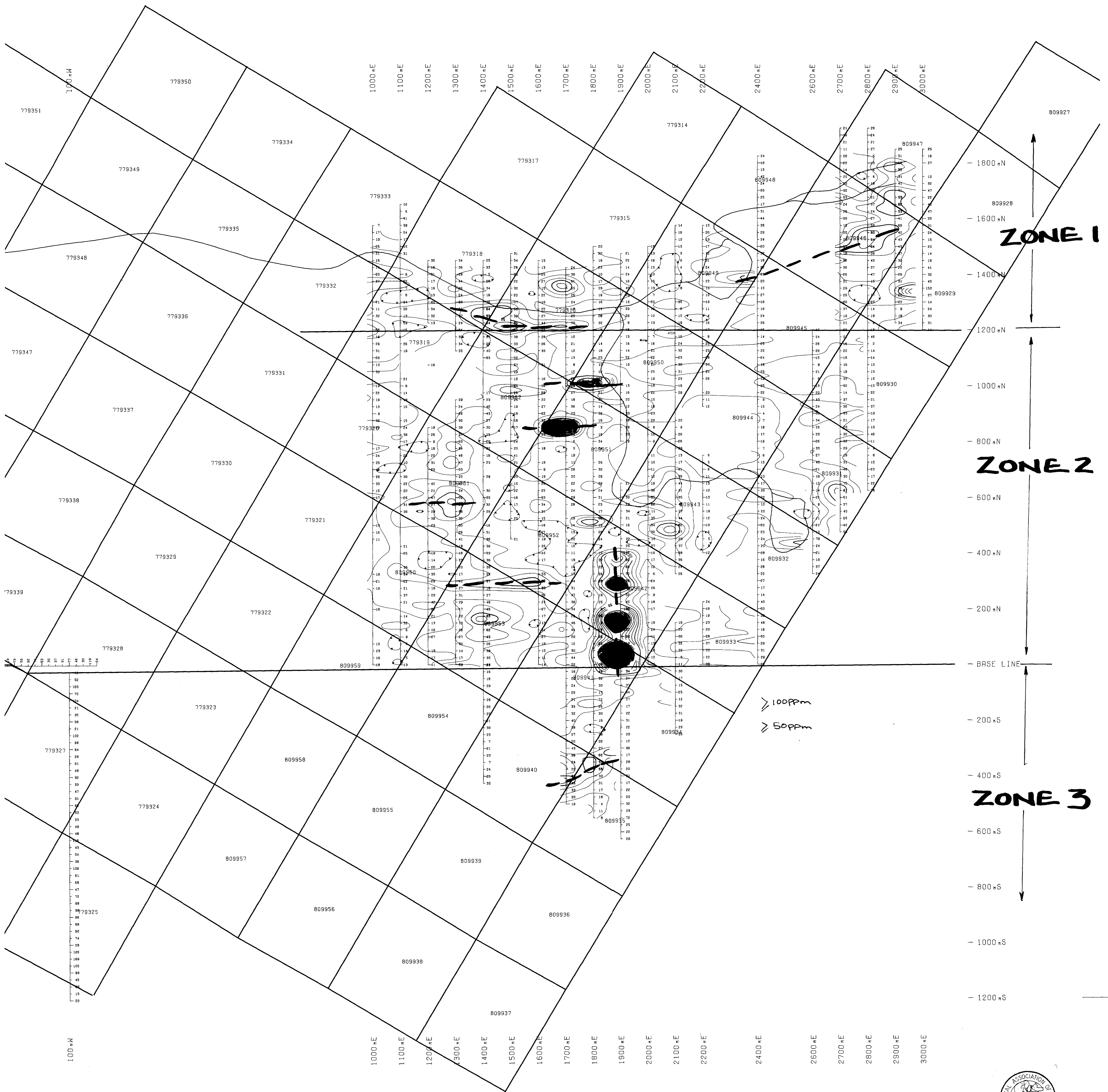
ZONE 2

ZONE 3



11201

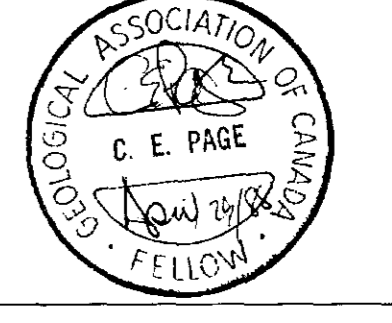
GEOCHEMICAL SURVEY (GOLD)		
OF THE		
MACASSA CREEK PROPERTY		
JOUTEL RESOURCES LIMITED		
CENTRAL CRUDE LIMITED		
DATE: FEB, 1988	SCALE: 1:5000	UNITS: PPB
PRESENTATION BY DATAPLOTTING SERVICES INC.		



ZONE 1

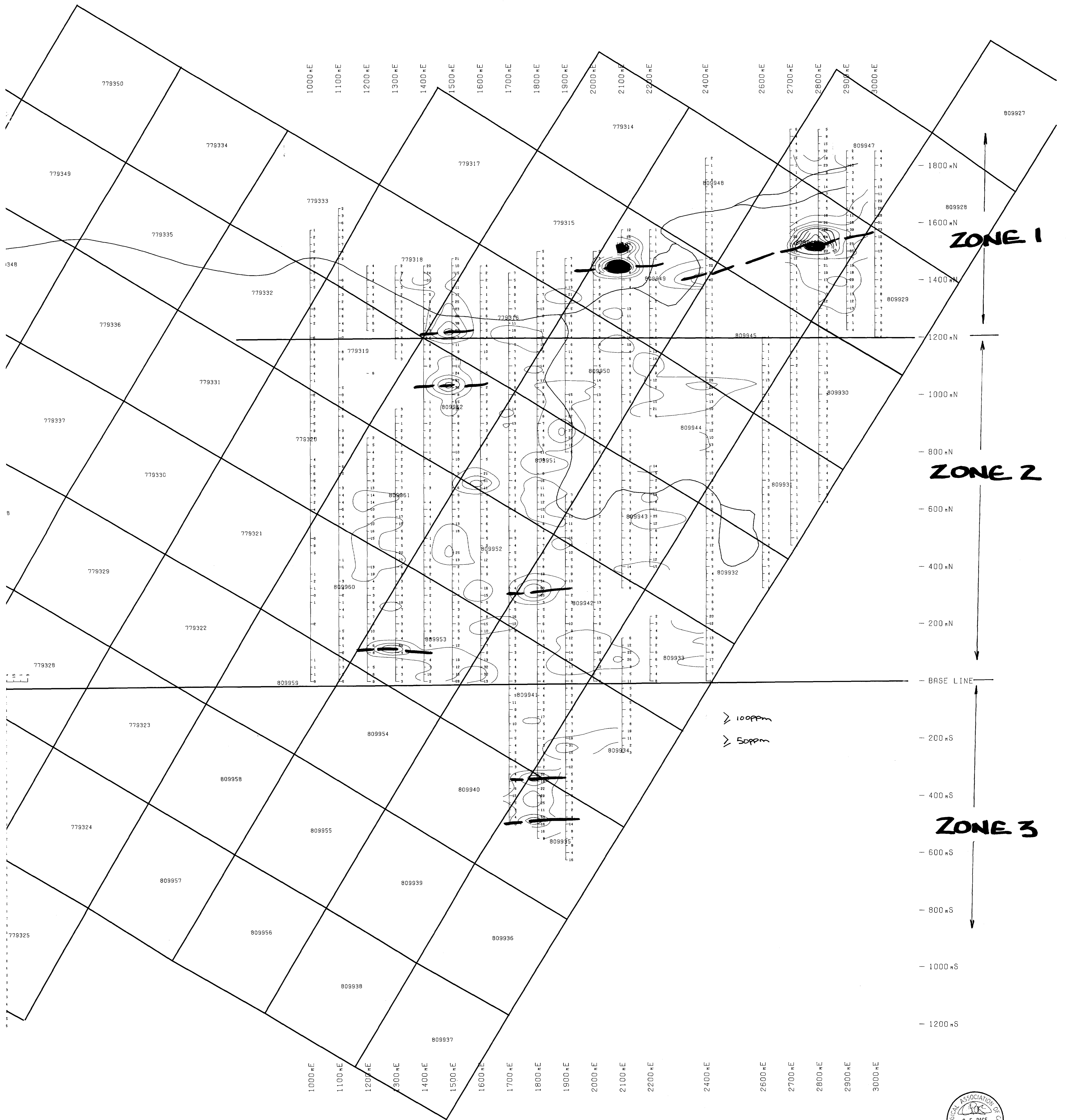
ZONE 2

ZONE 3



2.11201

GEOCHEMICAL SURVEY (ZINC)		
OF THE		
MACASSA CREEK PROPERTY		
JOUTEL RESOURCES LIMITED		
CENTRAL CRUDE LIMITED		
DATE: FEB, 1988	SCALE: 1:5000	UNITS: PPM
PRESENTATION BY DATAPLOTTING SERVICES INC.		



ZONE 1

ZONE 2

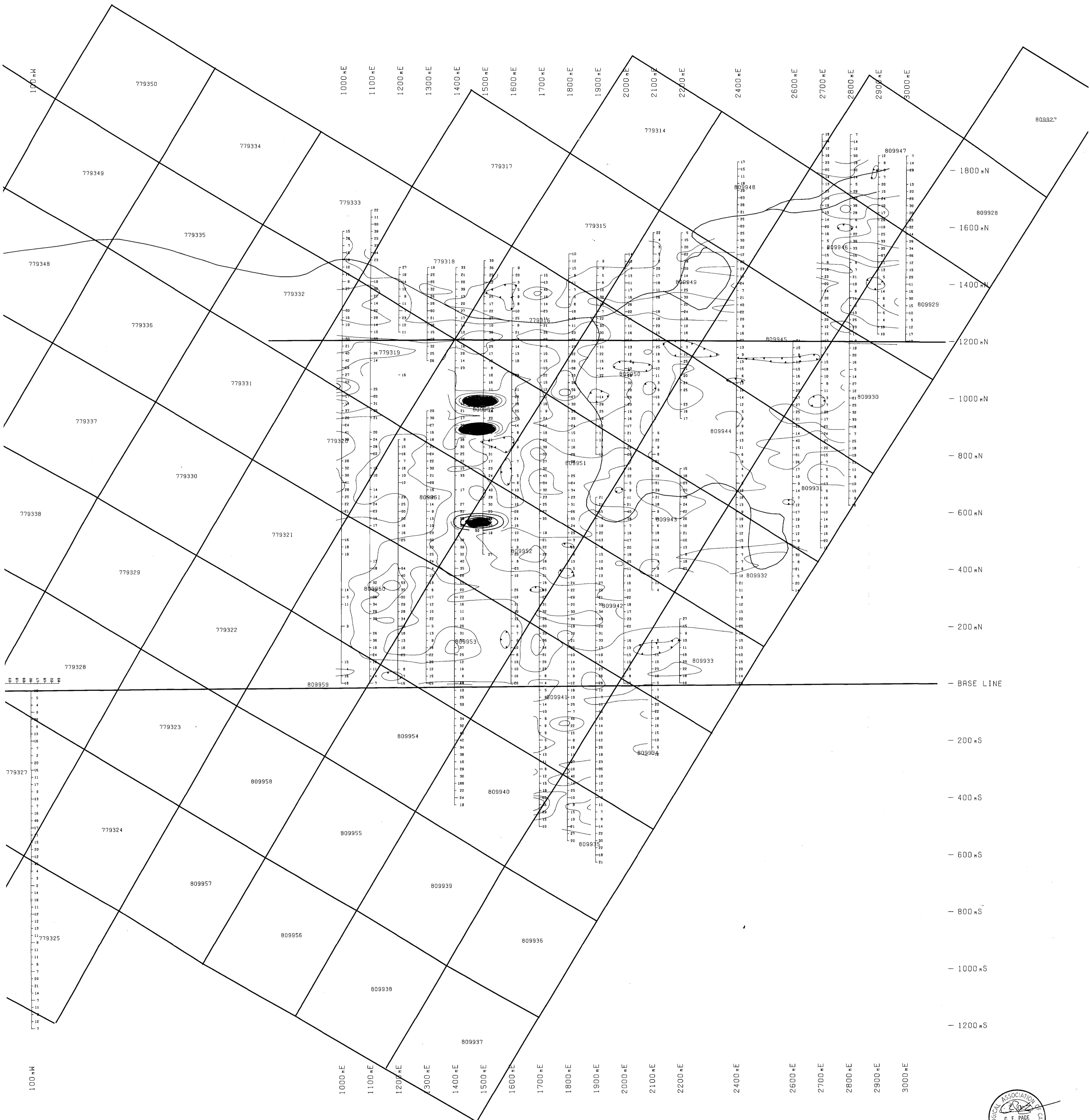
ZONE 3

>= 100ppm
>= 50ppm



2.11201

GEOCHEMICAL SURVEY (ARSENIC)		
OF THE		
MACASSA CREEK PROPERTY		
JOUTEL RESOURCES LIMITED		
CENTRAL CRUDE LIMITED		
DATE: FEB, 1988	SCALE: 1:5000	UNITS: PPM
PRESENTATION BY DATAPLOTTING SERVICES INC.		



2.11201

GEOCHEMICAL SURVEY (COPPER)		
OF THE		
MACASSA CREEK PROPERTY		
JOUTEL RESOURCES LIMITED		
CENTRAL CRUDE LIMITED		
DATE: FEB, 1988	SCALE: 1:5000	UNITS: PPM
PRESENTATION BY DATAPLOTTING SERVICES INC.		

