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TEB 2 4 1094

INCENTIVES OFFICE

1993 OPAP REPORT





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#### INTRODUCTION

The 1993 OPAP Grant was divided between four project areas.

- This project was done in conjunction with Winfried Brack and my portion of the project consisted of a soil geochemical survey close to a northwest trending lineament known to host gold mineralization in other parts of the township. Work by Brack and myself did not yield the desired results and the scope of the work on this project was reduced.
- 2) Clarendon Township or Ardoch Property, Southeastern Ontario This project was the continuation of work done in 1992. The work consisted of a soil geochemical survey and follow-up of the 1992 soil geochemical survey.
- 3) Hinchinbrooke Township, Southeastern Ontario

This project was added in late 1993 and was funded by the money not spent on the Grimsthorpe project. This work was follow-up of a 1990/1991 exploration program on the Slave Lake property funded by OPAP grants of Wayne Holmstead and Winfried Brack in which an area that is highly anomalous in zinc in the B horizon soils was discovered. The anomalous area was considered a valid anomaly and measured approximately 800 meters long and 100 to 200 meters wide. The soil geochemical zinc anomalies found here were strikingly similar to those found over the Long Lake zinc deposit located 15 kilometers to the northeast. At Long Lake it was found that an induced polarization survey was very useful in delineating the mineralized zones. The source of the zinc anomalies had not been explained to date and it was decided that an Induced polarization survey may be useful in delineating the source of the anomalous zinc. Some additional soil sampling was also done.

4) Kaladar Township Property, Southeastern Ontario

This project was a continuation of the 1991 and 1992 OPAP projects that consisted of a soil geochemistry survey on the property, anomaly follow-up and trenching. The 1993 work consisted of trenching in one of the anomalous areas.

This project was done in conjunction with Winfried Brack.

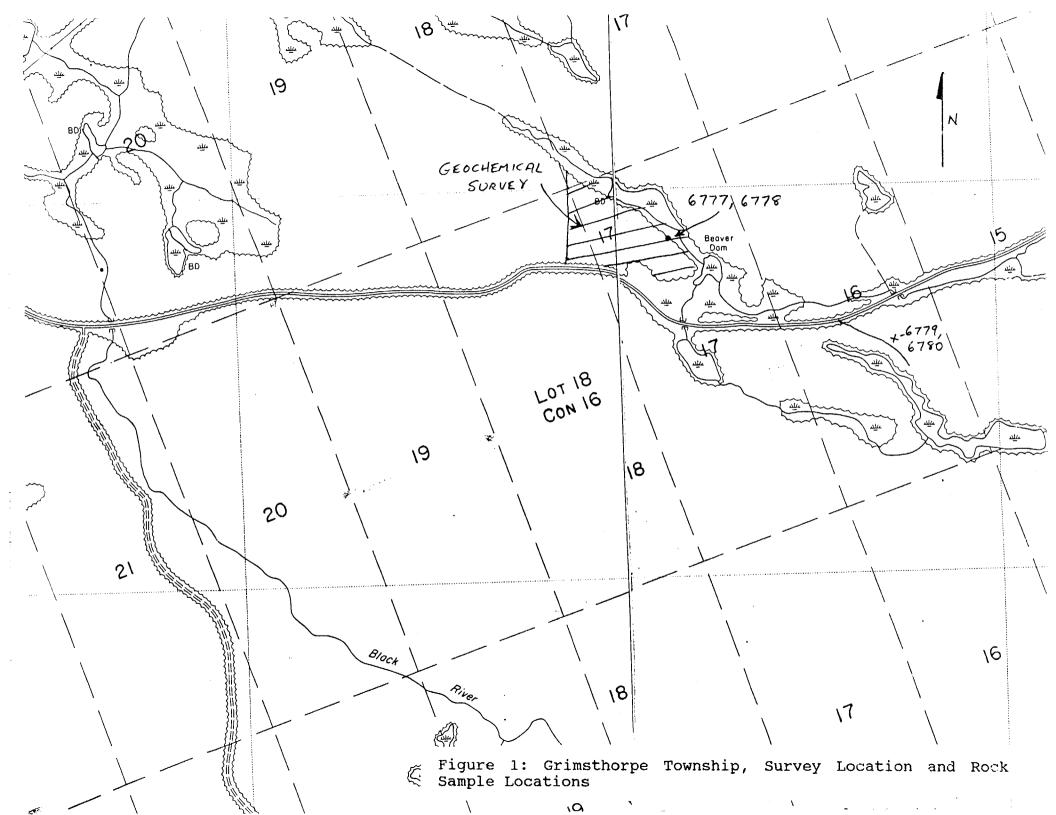
### **GRIMSTHORPE TOWNSHIP**

#### Location and Access

A soil geochemical survey was done in Concession 16, Lot 17 and 18 (NTS 31C/11, Latitude 44 47', 77 28' (Figure 1). The Grimsthorpe Township property is located about 32 km NE of Madoc, Ontario. Access is via Highway 62 north from Madoc approximately 35 km and east on Gilmour Road for about 8 km.

### Geology

The geology of the property consists of basaltic and gabbroic flow sequences, mafic metavolcanic schists and meta-wacke schists. These rocks have been intruded by the Lingham Lake complex to the west the Weslemekoon granite to the northeast and the Canniff and the Elzevir granite to the southeast. Gold has been discovered in the township associated with arsenopyrite mineralization located in northwest trending topographic lineations related to faulting in the area. The area also seems to have the right geology for greenstone related base metal mineralization.



#### Work Done

A total of 75 (Sample numbers 1500 to 1574, Figure 2) "B" horizon soil samples were taken at 25 meter station intervals on lines spaced 50 meters apart. Four rock samples were taken in areas of geological interest during the soil sample survey.

Rock Samples (see Figure 1)

6777 Gossanous mafic volcanic on east side of road

6778 Same as 6777, 50 meters south

6779 Quartz float from south bank of creek

6780 Mafic volcanic from vicinity of 6779, trace sulphide, possible arsenopyrite

### Results and Recommendations

Gold anomalies (Figure 3) were located in the "B" horizon soil at 18E, 250N (137, 2325, 65 ppb) and 20E, 225N (52, 1219, 75 ppb). These two anomalies may be related since strike and dip information for this area indicates the two anomalies are on strike with each other. Arsenic and copper anomalies (Figure 4, 5) were located to the north of the gold anomalies at 18E, 400N (80 ppm arsenic, 97 ppm copper) and 20E, 350N (56 ppm arsenic, 159 ppm copper). Another arsenic and copper anomaly was located at 21E, 25N (77 ppm arsenic, 122 ppm copper). Another copper anomaly is located at 20E, 175N (134 ppm copper).

No anomalous values were detected in the rock samples.

It is recommended to investigate the soil sample anomalies next field season.

CLARENDON TOWNSHIP

Location and Access

The Clarendon Township property is located in Clarendon Township, Eastern Ontario

Mining Division, Ontario (Figure 6).

NTS 31C/14-15

Latitude: 44 52', Longitude: 76 58'

It covers Concession VIII, Lot 28, 30 and 31 as well as Concession IX, Lot 27, 28, 29,

30 and 31.

The property is well positioned within easy access of roads. To get to the property

proceed west from Ardoch to Hwy 506. Continue west on 506 about 2.2 km to sideroad

that travels north about 0.7 km to Swaugers Lake.

The property is covered by claims 1156647, 1156648 and 1156649.

Geology

The main target of the project is gold associated with quartz veining. The veins appear

to be spatially related to a major flexures along a strike-slip fault at the Flinton Group

unconformity. Production of gold is recorded from the adjoining Concession VIII, Lot

29, where the former Boerth-Hill property produced 13 ounces of gold, dating back to

1900. Two shafts were sunk (Hattie B and Uncle Sam). Previous exploration efforts

indicate a zinc occurrence at the margin of the property. It is disseminated sphalerite

hosted by calcitic marble. The marble unit extends into the above mentioned claims.

5

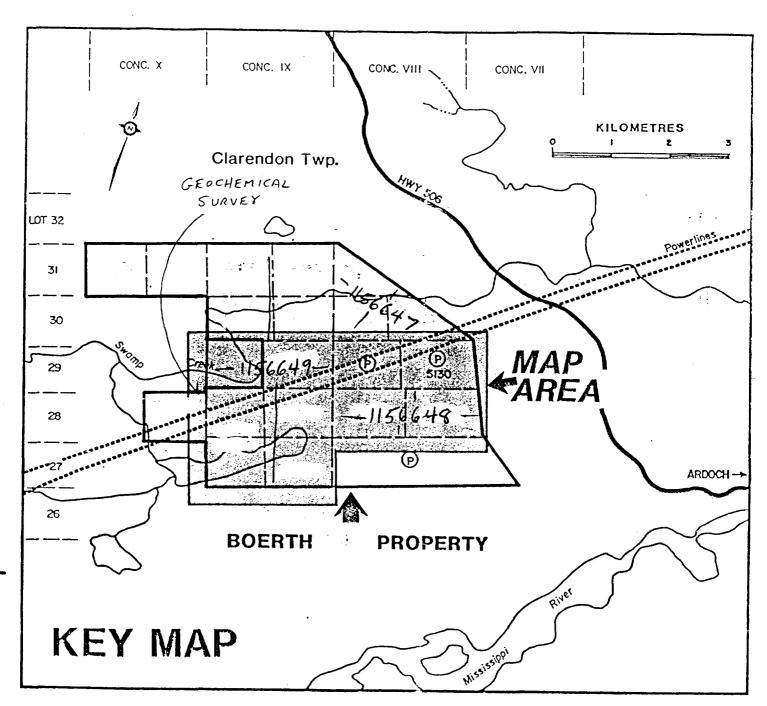


Figure 6: Clarendon Township, Location Map

#### Work Done

A total of 85 "B" Horizon soil samples were taken on the property. Sample numbers 841 and 1001 to 1040 were taken as a result of follow-up work on anomalies identified in a soil geochemistry survey completed in 1992. Sample numbers 1041 to 1084 extended last year's soil sample survey to the west. A total of five rock samples were taken during the follow-up work. (Figure 7)

#### Results and Recommendations

Results of sampling in Clarendon Township are shown in Figures 8 to 10. Sample 841 was a resample of 6W, 275N. Last years sample at this location assayed 36 ppb gold and this year the resample assayed 52 ppb gold. This appears to be related to a series of anomalous values in gold that extends in a northeasterly direction from 8W, 250N to 4W, 350N.

Samples 1001 to 1005 were taken in the vicinity of 4W, 350N where last year, an average gold value of 345 ppb was found in the soils. No anomalous gold values were detected but the arsenic values (80 to 145 ppm) were all found to be above average (58 ppm) based on last year's soil survey.

Sample 1006 was taken in the vicinity of 5E, 200N where a value of 140 ppb gold was discovered during last year's soil survey. This sample was not found to be anomalous in gold (<5, check 9 ppb) and slightly above average for arsenic.

Sample 1007 was taken from the tailings near the mill site at 14E, 670N. This sample was found to be anomalous in gold (2798 ppb, check 3867 ppb), silver (5.2 ppm), lead (117 ppm), antimony (87 ppm), tungsten (92 ppm), copper (194 ppm), arsenic (1346 ppm) and mercury (18,073 ppb).

Samples 1008 to 1011 were taken in the vicinity of 7E, 100N where a value of 36 ppb gold was obtained in the soil survey of 1992. Sample 1011 was not anomalous in gold but was anomalous in zinc (1314 ppm) and arsenic (179 ppm).

Sample 1012 was a duplicate of the 1992 sample at 7E, 75N, which assayed 31 ppb gold. Sample 1012 was not anomalous in gold but was anomalous in zinc (1439 ppm) and arsenic (105 ppm).

Samples 1013 to 1017 were taken in the vicinity of 7E, 75S where gold values of 63 to 98 ppb gold were found in 1992. The duplicate of that sample (1013) assayed 276 ppb, check 147 ppb gold. The sample taken 12.5 meters west assayed 28 ppb gold (check 30 ppb).

Samples 1018 to 1022 were taken in the vicinity of 11E, 75N where in 1992 a zinc value of 1469 ppm was found in 1992. The duplicate of this sample (1018) was found to assay 1589 ppm zinc and all the other samples assayed 282 to 577 ppm zinc. Sample 1020 assayed 42 ppb gold (check 21 ppb).

Samples 1023 to 1029 were taken in between lines where high zinc values were found in the soil in 1992. The new samples were taken on 11+50E, 00 to 150N. Of the new samples the highest zinc value was 738 ppm (1028). Sample 1027 was found to be anomalous in chromium (336 ppm) and nickel (113 ppm)

Samples 1030 to 1033 were taken in the vicinity of 13E, 50N where a value of 31 ppb gold (check 10 ppb) was found in 1992. No anomalous values were found in the follow-up samples.

Samples 1034 to 1038 were taken in the vicinity of 12E, 200N where a gold value of 42 ppb was found in the soils in 1992. No anomalous values were found in the new samples.

Sample 1039 was a duplicate of the 1992 sample where 34 ppb gold (check 50 ppb) was found. Nothing of interest was found in this sample.

The remaining samples 1040 to 1084 were taken at the west end of the 1992 soil sampling survey in order to extend the original survey. Three gold anomalies were found at 8W, 250N (162 ppb, check 9 ppb), 9W, 300N (35 ppb, check 81 ppb) and 9W, 75S (207 ppb, check 67 ppb).

The following rock samples were taken during the course of the follow-up work by the author;

6772: 5E, 200N, quartz float

6773: 5E, 200N, silica rich, gneissic wall rock with trace sulphides

6774: 7E, 75N, quartz boulder

6775: 8E, 80S, mafic boulder with sulphides

6776: 9+50E, 300S, old trench, marble with sulphides

Nothing of interest was found in these samples.

The "AR" samples were taken by Winfried Brack and are fully described in his report (OPAP 93-446)

#### HINCHINBROOKE TOWNSHIP

#### Location and Access

The Slave Lake zinc property is located in the west central part of Hinchinbrooke Township in the Southeastern Mining Division of Ontario (Figure 11). The claim numbers on are also shown on Claim Maps M150 (Sheffield Twp.) and M104 (Hinchinbrooke Twp). The NTS is 31C/10SW. The property may be located by taking Concession Road 6 north from Highway 401 at Interchange 599 near Odessa. Slave Lake is located in Sheffield Township about 35 kilometres north of Highway 401. An all-weather gravel access road runs from Enterprise to Parham and the prospect is accessible from a vehicle trail which passes south of Slave Lake and joins the access road approximately 10 road kilometres north of the CPR crossing in northeast Camden East Township. Logging roads which are passable by pick-up truck in dry weather, provide good access to the claims east of Concession Road 6. Similar bush roads are at the west end of lot 10 concession 15, and recent logging suggests heavy equipment can reach the western end of the claim block via the road running west through lot 11 concession 15.

### Geology

The Slave Lake property occurs within a narrow north-to-northeasterly trending belt of marble that is completely contained within the Hinchinbrooke Gneiss, a large circular granitic intrusion. Calcitic and minor dolomitic marble, granite and amphibolite-biotite-plagioclase gneiss are exposed in the vicinity.

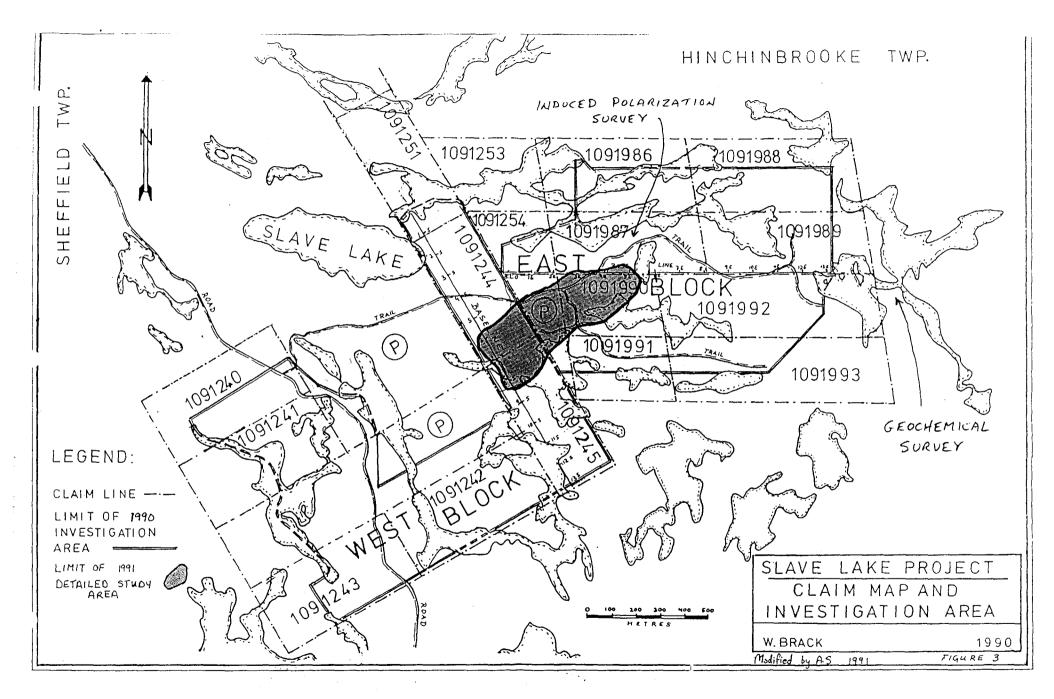


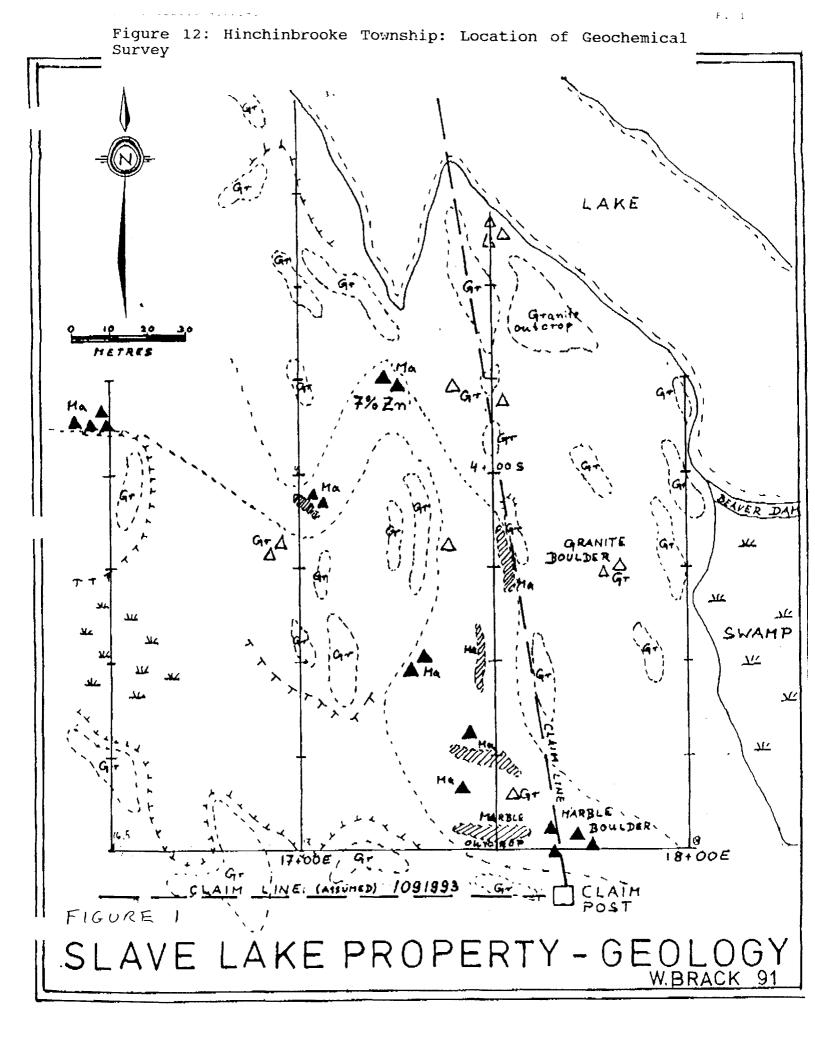
Figure 11: Hinchinbrooke Township: Location Map

The target of the current exploration programme is zinc mineralization associated with marble intercalations within granitic intrusive rocks. The Long Lake zinc deposit located about 15 km northeast of the Slave Lake occurrence is an example of comparable sphalerite mineralization that has been mined in the past. We have used this deposit as an exploration model when exploring the Slave Lake property.

#### Work Done

Additional soil sampling (samples 581 to 601) was done where geological mapping in 1991 was successful in locating additional marble lenses and a locally derived boulder mineralized with sphalerite that assayed 7.58% zinc (sample 6010). Soil sample 679 taken at L16E, 250S was anomalous in gold (78 ppb), manganese (4189 ppm), magnesium (>10%), calcium (9.53%), copper (113 ppm), arsenic (30 ppm), yttrium (20 ppm), molybdenum (5 ppm), cadmium (2.5 ppm), antimony (38 ppm), lead (35 ppm), bismuth (21 ppm) and mercury (240 ppm). (Figures 12 and 13)

An induced polarization survey (1.8 kilometers) was done over an area that in 1990 was found to be highly anomalous in zinc in the B horizon soils. The anomalous area was considered a valid anomaly and measured approximately 800 meters long and 100 to 200 meters wide. The zone trended in an northeasterly direction and may continue to the southwest on to patented property and to the northeast into a large swamp where geochemical sampling could not be done. (Figure 11)



### Results and Recommendations

The soil sample survey did not show anything of interest. No further soil geochemistry is recommended at this site. (Figures 14 and 15)

The results of the Induced Polarization survey are included in Appendix C (Figures 16 to 20). A significant induced polarization anomaly was detected that lies to the north of the zinc geochemical anomaly described above. It is possible that the high zinc values in the soil are derived from the mineralized zone by glacial erosion and dispersion. It is recommended that this anomaly be tested for zinc mineralization by basal till sampling over the IP anomaly or diamond drilling.

#### KALADAR TOWNSHIP

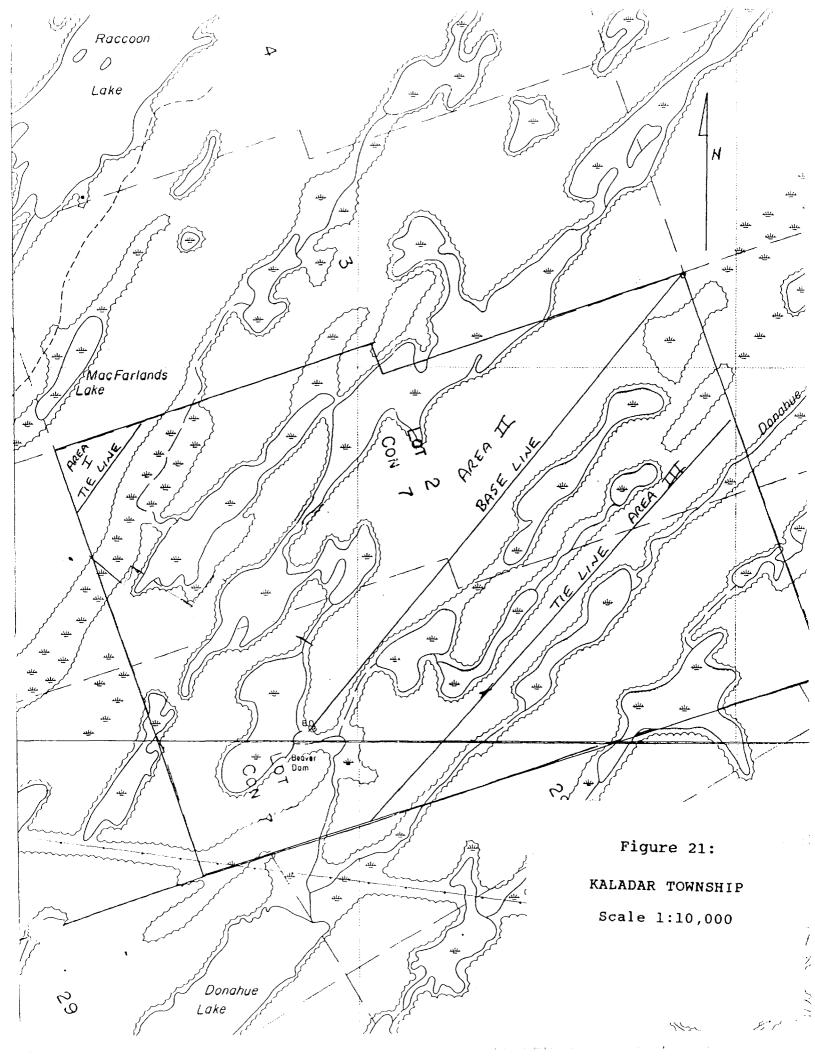
#### Location and Access

The property is located in Kaladar Township, Lots 1 and 2, Concession 7, Southern Ontario Mining Division (NTS 31C/11 SE, Latitude: 44 35', Longitude: 77 06'). Access is gained to the property by taking Highway 41 north from Napanee to the Raccoon Lake Road, just south of the town of Kaladar (Figure, 21).

### Geology

The target of the project is soil geochemical anomalies detected during the 1991 OPAP program by Winfried Brack and Wayne Holmstead. We are particularly interested in zinc anomalies associated with marble lenses. The rocks on the property are Grenville in age and include a series of northeast striking bands of metamorphosed basic volcanic rocks, quartzite and marbles intruded by granitic rocks and granitic pegmatites.

In the area, past workers have reported pyrite, pyrrhotite with minor chalcopyrite and sphalerite associated with highly schistose sedimentary bands. One showing in the northwest corner of Lot 2, Concession 7 was reported by McCannell (1975) to contain "heavy sphalerite" mineralization and a sample from trenches here assayed 29.29% zinc, 0.007% lead and 0.04 oz/ton silver. A second showing was located in the northeast corner of Lot 2, Concession 7. A sample of zinkenite mineralization from an old trench located here returned an assay of 0.13% lead, 0.02 oz/ton gold and 4.44 oz/ton silver.



### Work Done

Two days were spent assisting Winfried Brack in trenching and sampling a site of anomalous zinc in the soils and bedrock.

The following samples were taken by the author;

6781: 7E, 3+30S, mafic metasediment

6782: 7E, 3+45S, mafic metasediment

6784: 7E, 3+30S, felsic metasediment, 10% sulphide

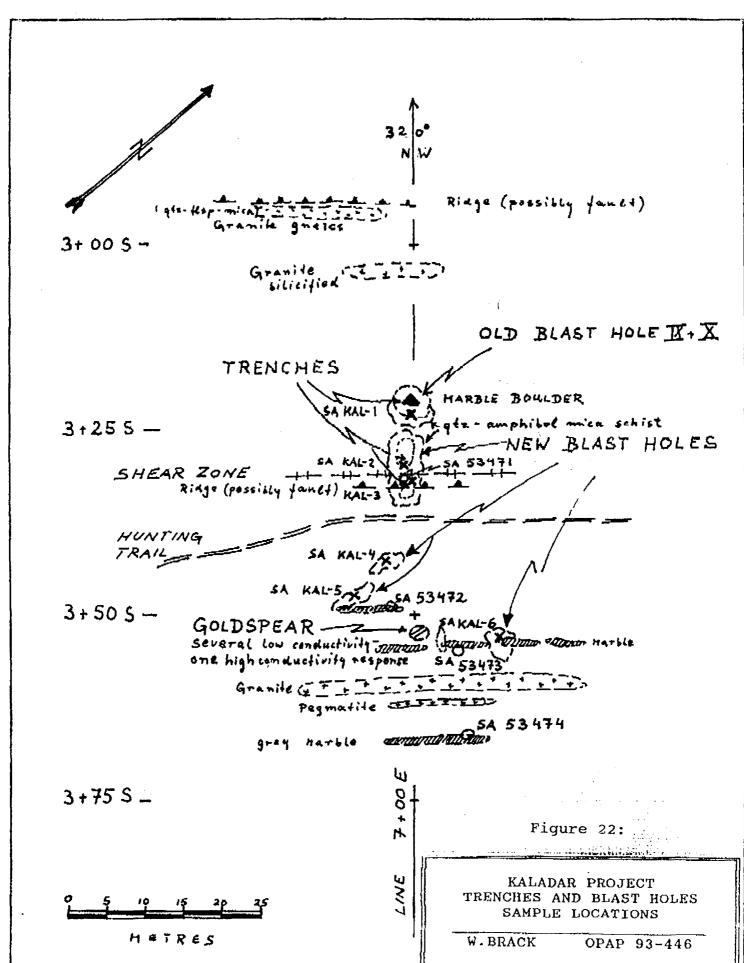
6785: 7E, 3+00S, same as 6784

6786: 7E, 3+45S, altered marble

Samples CHIP 1-3 were taken by Winfried Brack and are fully described in his 1993 report OPAP 93-446.

### Results and Recommendations

The trenches and sample locations are shown in Figure 22. Nothing of interest was indicated in the rock samples taken. For more details please see the 1993 report of Winfried Brack (OPAP 93-446). Based on the results of the sampling no further work is recommended at this site.



APPENDIX A
ANALYSES



SAMPLE   ELEMENT   AU   AURENCY   AU   AURON   AURON			• • • • • • • • • • • • • • • • • • • •										REPORT: 093-
			Sn	Ra	Fe	7n	Pb	Aa	AuRew2	AuRew1	Au	FI FMFNT	CAMPI F
1501   \$5	,,,,	PCT						_					
1502	.48 0.03 49	1.48	<20	26	3.07	82	11	0.6		•••••	<5		1500
1503   45	.64 0.02 10	0.64	<20	32	1.43	38	10	0.6			<5		1501
1504   \$\begin{array}{c c c c c c c c c c c c c c c c c c c	.49 0.04 35	1.49	<20	35	2.74	69	9	0.5			18		1502
1505   9	.86 0.04 33	0.86	<20	78	2.97	96	9	0.5			<5		1503
1506	.22 0.02 13	1.22	<20	33	3.89	98	8	0.9			<5		1504
1507	.38 0.02 13	1.38	21	57	6.13	98	6	0.9	***************************************	***************************************	9		1505
1508	.03 0.03 17	2.03	<20	82	6.17	159	12	0.9			<5		1506
1509   -5	.41 0.05 10	2.41	<20	42	4.08	57	8	0.7			7	•	1507
1510	.42 0.02 18	1.42	22	43	5.54	66	10	1.0	75	1219	52		1508
1511	.62 0.03 20	1.62	<20	42	3.36	88	9	0.5			<5		1509
1511	.78 0.03 14	1.78	<20	32	4.26	79	10	0.8			<5	,	1510
1513	.50 0.03 10	2.50	<20	55	6.53	98	8	0.9			7		1511
1514   <  5	.65 0.02 10	1.65	<20	51	4.03	77	11	0.7			<5		1512
1515   <  5	.07 0.04 272	3.07	<20	258	5.84	232	15	1.6			<5		1513
1516	.70 0.02 11	0.70	<20	29	3.91	30	6	0.9			<5		1514
1517         <5	.59 0.03 13	1.59	<20	50	3.46	112	7	0.7	••••••		< <b>5</b>		1515
1517         <5	.03 0.03 13	2.03	<20	38	2.84	60	7	0.5			<5		1516
1518					3.55	55	6	0.8			<5		
1519   <  5		2.86	<20	58	3.66	138	10	0.6			<b>&lt;</b> 5		
1521         8         0.9         10         117         5.17         94         <20													
1521         8         0.9         10         117         5.17         94         <20	.57 0.03 11	2.57	<20	45	3.63	61	10	0.8			<5		1520
1522         <5													
1523         <5													
1524         <5         0.6         11         146         5.20         65         <20         3.38         0.05           1525         <5													
1526         <5													
1526         <5	.83 0.04 18	1 87	<b>√2</b> 0	50	2 84	80	0	η 6			<5		1525
1527         7         0.7         6         99         3.34         65         <20													
1528         <5													
1529         10         0.3         7         44         2.09         22         <20         0.96         0.02           1530         <5													
1531       7       1.6       8       96       >10.00       42       28       1.62       0.03         1532       <5													
1531         7         1.6         8         96         >10.00         42         28         1.62         0.03           1532         <5	.74 0.02 10	1.74	<20	22	3.66	61	7	0.8			<b>&lt;</b> 5		1530
1532         <5													
1533     <5													
1534         <5         0.4         9         106         2.60         47         <20         2.18         0.03           1535         <5													
1536 <5 0.6 10 131 3.08 39 <20 2.25 0.02 1537 <5 0.6 10 141 4.23 44 <20 1.90 0.03												•	
1536 <5 0.6 10 131 3.08 39 <20 2.25 0.02 1537 <5 0.6 10 141 4.23 44 <20 1.90 0.03	.73 0.03 11	1 73	<2n	36	2 88	ลด	10	0.5	***************************************	*****	<5	***************************************	1535
1537 <5 0.6 10 141 4.23 44 <20 1.90 0.03													
····· 0.0 0 33 2.01 10 (20 0.03 0.02													
1539 13 0.6 14 94 3.25 66 <20 1.78 0.03													



REPORT: 093-	42641.0 ( COM	IPLETE )							E PRINTED  DJECT: NON			PAGE 1B	
SAMPLE	ELEMENT	Mg	K	Sc	٧	Cr	Ni	Mo	Cd	Sb	W	Ca	Cu
IUMBER	UNITS	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PP <b>M</b>	PPM	PCT	PPM
1500	·····	0.38	0.05	<5	50	31	16	<1	<0.2	<5	<20	0.19	30
1501		0.11	0.05	<5	28	16	8	1	<0.2	<5	<20	0.36	11
1502		0.64	0.05	<b>&lt;</b> 5	41	36	28	<1	0.3	5	<20	0.38	70
1503		0.26	0.06	<5	60	25	21	<1	<0.2	<5	<20	0.32	31
1504		0.25	0.05	<b>&lt;</b> 5	55	26	18	<1	<0.2	<5	<20	0.25	16
1505	• • • • • • • • • • • • • • • • • • • •	0.52	0.05	<5	129	24	14	<1	<0.2	<5	<20	0.42	15
1506		1.14	0.12	<5	78	31	17	<1	<0.2	<5	<20	0.36	134
1507		0.64	0.02	<5	57	48	30	1	<0.2	<b>&lt;</b> 5	<20	0.37	60
1508		0.28	0.05	<b>&lt;</b> 5	183	26	16	<1	<0.2	<b>&lt;</b> 5	<20	0.26	33
1509		0.28	0.05	<b>&lt;</b> 5	56	23	19	<1	<0.2	<5	<20	0.21	32
1510		0.34	0.03	<b>&lt;</b> 5	66	34	22	<1	<0.2	<5	<20	0.20	21
1511		1.04	0.03	<b>&lt;</b> 5	118	75	34	<1	<0.2	6	<20	0.24	46
1512		0.19	0.04	< <b>5</b>	69	30	12	<1	<0.2	<5	<20	0.24	11
1513		0.65	0.10	11	81	63	96	<1	0.6	5	<20	1.11	159
1514		0.17	0.04	<5	150	27	9	1	<0.2	<b>&lt;</b> 5	<20	0.42	18
1515		0.23	0.05	<5	55	30	14	<1	0.9	<b>&lt;</b> 5	<20	0.24	12
1516		0.36	0.05	<5	37	28	18	<1	<0.2	< <b>5</b>	<20	0.24	20
1517		0.29	0.04	<5	63	26	15	<1	<0.2	<5	<20	0.28	29
1518		0.65	0.03	<b>&lt;</b> 5	48	57	40	1	0.9	5	<20	0.20	37
1519		0.18	0.03	<b>&lt;</b> 5	46	27	19	1	<0.2	<b>&lt;</b> 5	<20	0.12	15
1520		0.34	0.03	<5	50	38	24	1	<0.2	<b>&lt;</b> 5	<20	0.21	32
1521		0.66	0.09	<5	108	27	19	<1	<0.2	5	<20	0.37	17
1522		0.76	0.11	<b>&lt;</b> 5	133	33	19	<1	<0.2	<b>&lt;</b> 5	<20	0.30	20
1523		0.55	0.06	<b>&lt;</b> 5	50	42	30	<1	<0.2	<b>&lt;</b> 5	<20	0.22	38
1524		2.75	0.46	6	91	62	68	<1	<0.2	9	<20	0.61	122
1525		0.78	0.08	<5	50	38	31	<1	<0.2	7	<20	0.44	66
1526		1.01	0.08	< <b>5</b>	61	60	34	<1	<0.2	7	<20	0.28	53
1527		1.05	0.03	<5	71	64	33	<1	<0.2	6	<20	0.17	16
1528		0.56	0.05	<5	51	41	41	<1	<0.2	<b>&lt;</b> 5	<20	0.25	39
1529		0.14	0.03	<5	39	17	11	<1	<0.2	<b>&lt;</b> 5	<20	0.13	31
1530	***************************************	0.19	0.03	<b>&lt;</b> 5 <sub>.</sub>	55	30	13	<1	<0.2	<5	<20	0.13	15
1531		0.32	0.08	<5	180	66	42	2	0.4	<5	<20	0.29	29
1532		0.23	0.05	<5	84	39	41	<1	<0.2	<5	<20	0.31	48
1533		0.26	0.04	<5	72	31	20	<1	<0.2	<5	<20	0.14	16
1534		0.38	0.04	<5	38	30	26	<1	0.3	<5	<20	0.22	18
1535	***************************************	0.20	0.04	<b>&lt;</b> 5	42	24	13	<1	<0.2	<5	<20	0.19	16
1536		0.25	0.03	<5	44	25	18	<1	<0.2	<5	<20	0.16	16
1537		0.29	0.04	<5	54	30	39	1	<0.2	<5	<20	0.18	44
1538		0.16	0.04	<5	98	22	12	1	<0.2	<5	<20	0.22	13
1539		0.44	0.05	<5	52	27	19	•	<0.2	4.0	`20	V.LL	1.3



REPORT: 093	-42641.0 ( COMI	PLETE )							E PRINTED: 7-DEC-9 DJECT: NONE	PAGE 1C
SAMPLE	ELEMENT	Со	As	Bi	Те	La	Sr	Υ	Hg	
NUMBER	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PP <b>M</b>	РРВ	
1500		10	16	<5	<10	5	5	4	42	
1501		3	6	<5	<10	5	9	4	31	
1502		12	15	<5	<10	7	7	6	52	
1502		14	13	<5	<10	4	7	4	39	
1503		7	16	<5	<10	3	6	3	42	
1504					~10				<b>46</b>	
1505		6	18	<5	<10	2	9	2	36	
1506		10	22	<5	11	5	8	3	31	
1507		17	17	. <5	<10	3	6	4	86	
1508		10	14	<5	<10	4	7	4	42	
1509		9	20	<b>&lt;</b> 5	<10	5	6	4	44	
1510		9	28	<b>&lt;</b> 5	<10	4	5	4	52	
1511		12	26	<b>&lt;</b> 5	13	3	9	2	78	
1512		5	31	<5 -	<10	3	8	3	39	
1513		35	56	<b>&lt;</b> 5	<10	36	18	61	114	
1514		5	19	<b>&lt;</b> 5	<10	3	6	3	26	
1515		6	12	<b>&lt;</b> 5	<10	4	5	3	44	
1516		7	26	<5	<10	4	6	5	47	
1517		6	14	<5	<10	4	6	3	31	
1518		14	19	<5	<10	2	6	2	59	
1519		5	26	<b>&lt;</b> 5	<10	4	4	4	83	
			~~		.40					
1520		10	27	<5 .5	<10	5	6	4	96	
1521		14	17	<5	<10	4	7	5	48	
1522		16	18	<5 	10	4	5	4	45	
1523		14	30	<b>&lt;</b> 5	<10	5	6	5	64	
1524		45	77	<5	11	6	14	6	21	
1525		14	36	<5	<10	8	9	6	32	
1526		14	42	<5	<10	4	9	3	48	
1527		15	23	<5	<10	3	5	2	59	
1528		16	20	<5	11	6	7	5	48	
1529		4	10	<5	<10	3	4	3	40	
4534			~~						/7	
1530		5	22	<b>&lt;</b> 5	<10	3	4	4	67	
1531		10	30	<b>&lt;</b> 5	12	5	6	4	29	
1532		20	27	<b>&lt;</b> 5	<10	4	6	6	54	
1533		6	50	<b>&lt;</b> 5	<10	3	5	2	48	
1534		10	26	<5	<10	5	6	5	48	
1535		6	19	<5	<10	4	6	4	40	
1536		8	24	<b>&lt;</b> 5	<10	4	4	3	62	
1537		17	30	<b>&lt;</b> 5	<10	6	7	6	70	
1538		4	50	<5	<10	2	4	4	21	
1539		11	23	<5	<10		8	4	37	



REPORT: 093	-42641.0 ( COM	PLETE )							TE PRINTED			PAGE 2A	
SAMPLE	ELEMENT	Au	AuRew1	AuRew2	Ag	Pb	Zn	Fe	Ва	Sn	Al	Na	Mn
NUMBER	UNITS	PPB	PPB	PPB	PPM	PP <b>M</b>	PP <b>M</b>	PCT	PPM	PPM	PCT	PCT	PPM
1540		<5		******	0.6	10	72	3.70	34	<20	1.50	0.03	208
1541		<5			0.5	9	88	2.68	27	<20	1.19	0.03	399
1542		<5			0.5	7	86	2.75	32	<20	1.33	0.02	131
1543		12			0.5	7	62	1.86	40	<20	1.39	0.04	184
1544		<5			0.7	10	73	2.97	31	<20	1.77	0.04	212
1545	***************************************	<5			0.9	8	144	3.09	106	<20	2.69	0.03	891
1546		<5			0.6	8	47	3.94	37	<20	1.05	0.01	87
1547		<5			0.4	6	20	1.34	20	<20	0.30	<0.01	55
1548		<5			0.5	7	78	2.39	55	<20	1.39	0.04	401
1549		<b>&lt;</b> 5			0.9	8	82	4.93	33	<20	1.56	0.03	194
1550		<5	•••••••••••		0.6	6	110	3.54	94	<20	1.71	0.03	282
1551		<b>&lt;</b> 5			1.0	10	138	3.66	69	<20	1.65	0.03	329
1552		<b>&lt;</b> 5			0.6	7	61	3.73	46	<20	1.16	0.02	98
1553		<b>&lt;</b> 5			0.7	8	97	2.96	40	<20	1.65	0.04	175
1554		<5			0.8	7	88	4.40	42	<20	1.16	0.02	179
1555		<5			0.6	14	118	2.52	82	<20	1.69	0.03	1236
1556		<5			0.7	10	83	3.06	36	<20	1.84	0.03	196
1557		<5			0.8	9	105	3.81	53	24	2.11	0.03	182
1558		<5			0.8	7	22	2.14	45	<20	0.68	0.02	83
1559		<b>&lt;</b> 5			0.8	9	96	5.29	85	<20	2.15	0.04	212
1560		<5	• • • • • • • • • • • • • • • • • • • •		0.7	18	212	4.05	61	<20	1.60	0.03	216
1561		<5			0.9	9	86	4.82	58	<20	1.39	0.03	137
1562		<5			0.4	10	109	2.89	40	<20	2.07	0.02	182
1563		<5			0.9	9	66	3.20	49	<20	1.18	0.02	242
1564		<b>&lt;</b> 5			0.5	10	128	3.39	108	<20	1.48	0.02	2150
15/5		<5			0.4	6	54	2 00	34		4 25	0.07	470
1565 1566		137	2325	65	0.4	8	114	2.09 3.06	98	<20 <20	1.25 2.22	0.03 0.04	132 485
1567		137 <b>&lt;</b> 5	دعدء	כט	0.5	12	127	3.35	80	<20	2.65	0.04	1499
1568		6			0.7	8	107	3.08	37	<20	2.30	0.02	193
1569		< <b>5</b>			0.6	10	107	3.04	26	<20	2.67	0.03	217
			·····					•••••		·····			
1570		<5			0.6	8	99	3.48	62	<20	1.51	0.02	791
1571		<5			0.6	9	126	3.91	57	<20	1.77	0.02	384
1572		8			0.5	9	81	3.62	62	<20	1.47	0.02	219
1573		8			0.7	10	74	3.56	41	<20	1.77	0.02	140
1574		<5			0.7	11	86	2.65	61	<20	2.30	0.02	151



									TE PRINTED				
REPORT: 093-4	42641.0 ( COM	PLETE )						PRO	DJECT: NON	Ε		PAGE 2B	
SAMPLE	ELEMENT	Mg	K	Sc	٧	Cr	Ní	Мо	Cd	Sb	W	Са	Cu
UMBER	UNITS	PCT	PCT	PPM	PPM	PP <b>M</b>	PPM	PPM	PPM	PPM	PPM	PCT	PPM
1540		0.32	0.04	<5	67	28	21	<1	0.2	<5	<20	0.26	39
154 <b>1</b>		0.31	0.04	<5	54	25	18	<1	1.0	<5	<20	0.28	27
1542		0.25	0.03	<5	34	21	19	<1	<0.2	<5	<20	0.40	34
1543		0.45	0.03	<5	34	34	21	<1	0.2	<5	<20	0.36	14
1544		0.40	0.05	<5	47	33	23	1	<0.2	<5	<20	0.40	24
1545		0.58	0.05	5	42	51	50	1	<0.2	5	<20	0.55	5
1546		0.10	0.03	<5	94	21	9	<1	<0.2	<5	<20	0.42	13
1547		0.05	0.02	<b>&lt;</b> 5	90	12	5	<1	<0.2	<5	<20	0.14	
1548		0.44	0.07	<b>&lt;</b> 5	38	23	20	<1	<0.2	<5	<20	0.30	3
1549		0.52	0.06	<5	71	43	31	<1	<0.2	<b>&lt;</b> 5	<20	0.33	4
1550		0.42	0.05	<5	53	31	34	<1	<0.2	<5	<20	0.52	5
1551		0.46	0.05	5	55	38	41	<1	<0.2	<b>&lt;</b> 5	<20	0.58	7
1552		0.19	0.05	<b>&lt;</b> 5	74	25	14	<1	<0.2	<5	<20	0.39	1
1553		0.49	0.06	<b>&lt;</b> 5	47	34	27	<1	0.7	6	<20	0.33	3
1554		0.24	0.07	<b>&lt;</b> 5	59	29	16	<1	<0.2	<5	<20	0.25	1
1555		0.40	0.06	<5	38	32	32	<1	0.3	<5	<20	0.48	3
1556		0.38	0.05	<5	43	31	27	<1	<0.2	5	<20	0.18	1
1557		0.41	0.04	<b>&lt;</b> 5	57	50	33	<1	<0.2	5	<20	0.22	2
1558		0.10	0.03	<5	68	17	7	<1	<0.2	<5	<20	0.43	
1559		1.09	0.08	<5	81	67	50	<1	<0.2	7	<20	0.30	8
1560		0.43	0.06	<5	56	33	66	<1	<0.2	<b>&lt;</b> 5	<20	0.32	9
1561		0.25	0.06	<5	99	38	19	4	<0.2	<5	<20	0.22	2
1562		0.42	0.05	<5	38	30	32	<1	<0.2	<b>&lt;</b> 5	<20	0.76	3
1563		0.23	0.04	<5	53	27	15	1	<0.2	<b>&lt;</b> 5	<20	0.36	1
1564		0.38	0.06	<5	54	29	23	1	<0.2	6	<20	0.54	4
1565		0.48	0.03	<5	31	27	30	1	<0.2	<5	<20	0.40	7
1566		0.97	0.04	<5	37	61	63	<1	<0.2	6	<20	0.69	6
1567		0.80	0.05	6	42	38	42	<1	<0.2	6	<20	1.08	4
1568		0.63	0.04	<5	54	58	41	<1	<0.2	8	<20	0.43	4
1569		0.33	0.04	<b>&lt;</b> 5	43	32	31	2	<0.2	5	<20	0.19	3
1570		0.44	0.05	<b>&lt;</b> 5	76	39	18	1	<0.2	<5	<20	0.63	2
1571		0.49	0.04	<5	73	30	19	<1	<0.2	5	<20	0.23	1
1572		0.49	0.03	<5	52	28	17	<1	0.8	<5	<20	0.23	1
1573		0.23	0.03	<b>&lt;</b> 5	59 ·	30	17	<1	0.7	<5	<20	0.15	1
1574		0.30	0.03	<b>&lt;</b> 5	38	30 27	37	<1	<0.2	5	<20 <20	0.13	2
1314		0.30	0.04	<b>\</b> 3	20	۲.	J1	<u> </u>	٧٠.٧	ر	~20	0.20	4



DEDORY OCT	/2//4 0 / 2011	DIETE >							E PRINTED: 7-DEC-	PAGE 2C
REPORT: 093	-42641.0 ( COMI	PLEIE )						PRC	JECT: NONE	PAGE 2U
SAMPLE	ELEMENT	Co	As	Bi	Te	La	Sr	Y	Нд	
UMBER	UNITS	P₽₩	PP <b>M</b>	PPM	PPM	PPM	PP <b>M</b>	PPM	PPB	
1540		9	18	<5	<10	4	7	4	37	
1541		10	12	<5	<10	4	7	3	37	
1542		7	14	<5	<10	3	11	4	24	
1543		10	8	<5	<10	9	7	11	43	
1544		10	21	<5	<10	5	9	5	56	
1545		22	21	<5	<10	22	12	30	104	
1546		5	13	< <b>5</b>	<10	4	8	3	37	
1547		3	<5	<5	<10	2	4	2	29	
1548		9	11	<5	<10	6	6	7	35	
1549		16	18	<b>&lt;</b> 5	<10	4	6	4	45	
1550		14	15	<5	<10	5	9	7	29	
1551		20	18	<5	<10	18	9	, 50	72	
1552		20 6	16	<5 <5	<10	4	8	50 4	72 32	
1553		11	44	<5	<10	6	o 7	6	40	
1554		9	24	<5	<10	۵	6	3	43	
1.7.54		<b>7</b>	£ <del>4</del>		``\U	••••••••••••••••••••••••••••••••••••••			TJ	
1555		14	22	<5	<10	13	10	16	64	
1556		13	25	<5	<10	4	4	4	37	
1557		14	14	<5	<10	3	6	3	59	
1558		3	6	<5	<10	2	14	2	27	
1559		24	21	<5	12	4	8	3	48	
1560	***************************************	17	80	<5	<10	4	7	6	21	
1561		7	39	<5	<10	4	6	3	56	
1562		11	24	<5	<10	4	18	6	43	
1563		8	12	<5	<10	4	7	4	43	
1564		23	14	<5	<10	5	10	4	53	
1565	••••••	10	19	<5	<10	6	6	7	29	
1566		26	11	<5	14	8	10	10	56	
1567		22	21	<b>&lt;</b> 5	10	17	13	19	99	
1568		23	20	<5	11	5	8	4	29	
1569	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	14	18	<5	<10	4	4	4	77	
1570	.,,,,,	12	18	<5	<10	3	14	4	37	
1571		15	18	<5	10	3	6	3	35	
1572		8	12	<5	<10	3	7	3	40	
1573		7	22	< <b>5</b>	<10	3	6	3	56	
1574		13	11	<b>&lt;</b> 5	<10		10	3	40	



									ED: 3-DE			
REPORT: 093-	42642.0 ( COMI					*****	PR	OJECT: N			PAGE 1A	
SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Pb PPM	Zn PPM	Fe PCT	Ba PPM	Sn PPM	Al PCT	Na PCT	Mn PPM	Mg PCT
6777		<5	0.3	4	62	3.13	29	<20	0.80	0.11	356	0.67
6778		<5	0.7	6	50	5.21	237	<20	1.79	0.13	357	1.58
6779			0.3	2	14	1.19	20	<20	0.57	0.10	277	0.33
6780						4.98					436	0.86
						***************************************						
						***************************************						
							•••••••				•••••••••	



REPORT: 093-	42642.0 ( COM	APLETE )						ATE PRINTE ROJECT: NO			PAGE 1B	
SAMPLE	ELEMENT	K	Sc	V	Cr	Ni PPM	Mo PPM	Cd	Sb	W	Ca	C PP
NUMBER	UNITS	PCT	PPM	PP <b>M</b>	PPM	PPM	rrn 	PPM	PPM	PPM	PCT	PP
6777		0.09	5	57	93	88	3	0.8	<5	<20	1.38	8
6778		0.59	9	129	62	19	2	0.5	<5	<20	1.02	22
6779		0.06	<5	29	137	12	2	0.7	<5	<20	1.11	1
6780		0.05			65						1.40	32
												••••••
			•••••		•••••				••••••••			••••••
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REPORT: 093-	42642.0 ( COM						PR	TE PRINTE		PAGE 1C
SAMPLE NUMBER	ELEMENT UNITS	Co PPM	As PPM	Bi PPM	Te PPM	La PPM	Sr PPM	Y PPM	Hg PPB	
6777		29	<b>&lt;</b> 5	<5	<10	5	7	6	8	
6778		20	<5		<10	5	10	8	5	
6779		7	6		<10		13	2	5	
6780		32	<5	<>>	<10	8	5	6	8	
				•••••				•••••		



	-42487.0 ( COM						DA		ED: 1-NO\		PAGE 1A	
SAMPLE NUMBER	ELEMENT UNITS		Ag PPM	Pb PPM	Zn PPM	Fe PCT	Ba PPM	Sn PP <b>M</b>	Al PCT	Na PCT	Mn PPM	Mg PC1
841		52	<0.2	7	75	2.54	39	<20	1.77	0.05	93	0.53
												•••••
					.,,,,,,							



SAMPLE ELEMENT K SC V Cr Ni Mo Cd Sb W Ca Co NHBER UNITS PCT PPN PPN PPN PPN PPN PPN PPN PPN PPN PP	SAMPLE ELEMENT K Sc V Cr Ni No Cd Sb U Ca Ct Ni No Cd Sb U Ca Ct Ni		10107.0 1.00							TE PRINTE			
NUMBER UNITS PCT PPM PPM PPM PPM PPM PPM PPM PPM PCT PPM 841 0.02 <5 35 35 14 1 <0.2 <5 <20 0.15 11	NUMBER UNITS PCT PPM PPM PPM PPM PPM PPM PPM PCT PPM PSM PSM PSM PSM PSM PSM PSM PSM PSM	REPORT: 093	-42487.0 ( COM									PAGE 1B	
841 0.02 <5 35 35 14 1 <0.2 <5 <20 0.15 10	841 0.02 <5 35 35 14 1 <0.2 <5 <20 0.15 10					-							Ct PPI
		841		0.02	<5	35	35	14				0.15	10
											 		•••••••
													-
									<i>,</i>		 		



REPORT: 093-	42487.0 ( COMP	PLETE )			•••••			TE PRINTEI		3 PAGE 1C		
SAMPLE NUMBER	ELEMENT UNITS	Co PPM	As PPM	Bi PPM	Te PPM	La PPM	Sr PPM		Hg PPB			
841		7	272	<5	<10	7	8	4	38			
										•••••••••••••••••••••••••••••••••••••••		
· · · · · · · · · · · · · · · · · · ·				***************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						



SAMPLE         ELEMENT         Au         Aurew1         Ag         Pb         Zn         Fe         Ba         Sn         Al         Na         M           NUMBER         UNITS         PPB         PPB         PPM         PPM </th <th colspan="7">REPORT: 093-42487.1 ( COMPLETE )</th> <th colspan="6">DATE PRINTED: 1-NOV-93 PROJECT: OPAP-93 PAGE 1A</th>	REPORT: 093-42487.1 ( COMPLETE )							DATE PRINTED: 1-NOV-93 PROJECT: OPAP-93 PAGE 1A					
NUMBER UNITS PR8 PP8 PPM PPM PPM PCT PPM PPM PCT PCT PCT PFT PFT PPM PCT PCT PCT PFT PFT PFM PCT PCT PCT PFT PFM PCT PCT PCT PFT PFM PCT	KETOKI. UJJ TETUJ. I COMPLETE J										TAGE TA		
1001													M
1002	NUMBER	UN113		Frb							PG1		rrı
1003			<5										24
1004													6
1005 < \$ 0.6 10 243 2.97 86 <20 1.52 0.06 11  1006 < \$ 9 0.4 9 174 3.46 66 <20 1.68 0.07 17  1007 2798 3867 5.2 117 190 2.47 71 <20 0.99 0.08 54													
1006													
1007 2798 3867 5.2 117 190 2.47 71 <20 0.99 0.08 54	7005		<2		U.O		243	2.91	80	<b>&lt;</b> 20	1,34	0.06	
	1006		<5	9	0.4	9	174	3.46	66	<20	1.68	0.07	17
	1007		2798	3867	5.2	117	190	2.47	71	<20	0.99	0.08	54
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REPORT: 093	-42487.1 ( COM	PLETE )						TE PRINTE OJECT: OF	ED: 1-NOV PAP-93		PAGE 1B	
SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	K PCT	Sc PPM	V PPM	Cr PPM	Ni PPM	Mo PPM	Cd PPM	Sb PPM	W PPM	C PC
1001		1.33	0.07	<5	48	17	16	<1	<0.2	10	<20	0.39
1002		0.33	0.20	<5	68	10	7	<1	0.7	<5	<20	0.0
1003		0.48	0.15	<5	105	13	9	<1	<0.2	8	<20	0.1
1004		0.54	0.05	<5	55	19	14	<1	0.6	7	<20	0.2
1005		0.27	0.06	<5	53	20	16	<1	<0.2	<5	<20	0.1
1006		0.65	0.04	<5	79	23	15	<1	1.2	8	<20	0.2
1007		1.00	0.47	<5	27	13	16	<1	<0.2	87	92	3.4



REPORT: 093-	42487.1 ( COM	PLETE )			*******			TE PRINTE		v-93	PAGE 1	C
SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Co PP <b>M</b>	As PPM	Bi PPM	Те РР <b>м</b>	La PPM	Sr PPM	<b>Y</b> PP <b>M</b>	Hg PPB		
1001		14	13	129	<b>&lt;</b> 5	<10	7	12	5	32		
1002		5	4	122	<5	<10	5	5	1	40		
1003		15	7	145	<5	<10	4	6	2	38		
1004		25	7	87	<5	<10	9	7	11	23		
1005		13	6	80	<5	<10	6	7	5	29		
1006		9	10	76	<5	<10	5	9	5	26	*****************	•••••
1007		194	17	1346	<5	<10	. 8	41	8	18073		
				,		***************************************						
		••••••••••										***************************************
					•••••••				• • • • • • • • • • • • • • • • • • • •			
		***************************************		• • • • • • • • • • • • • • • • • • • •	***************************************		***************************************					
					•••••							
											<del></del>	•••••••



REPORT: 093	-42555.0 ( COMPLETE	)					NTE PRINTE ROJECT: NO		V-73	PAGE 1A	
SAMPLE	ELEMENT AU	AuRew1	Ag	Pb	Zn	Fe	Ва	Sn	Al	Na	M
NUMBER	UNITS PPB	PPB	PPM	PP <b>M</b>	PPM	PCT	PPM	PPM	PCT	PCT	PP
1008	<5	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.2	17	94	2.76	88	<20	2.00	0.09	24
1009	<5		<0.2	16	121	2.17	66	<20	1.10	0.07	93
1010	<5		<0.2	26	293	3.84	77	<20	2.33	0.07	55
1011	<5		1.4	39	1314	6.70	485	<20	1.82	0.07	617
1012	<5		1.4	66	1439	4.54	165	<20	1.70	0.07	234
1013	276	147	1.4	48	311	3.23	48	<20	3.26	0.05	156
1014	6		0.3	23	218	3.92	77	<20	2.14	0.06	65
1015	<5		0.4	27	223	4.05	91	<20	2.50	0.06	101
1016	28	30	0.5	54	233	4.33	53	<20	5.68	0.05	141
1017	<5		0.4	27	131	3.86	102	<20	3.05	0.06	28
1018	<5		0.8	46	1589	3.65	52	<20	2.57	0.07	2
1019	<5		0.6	37	360	4.51	62	<20	2.56	0.07	33
1020	42	21	0.3	22	577	3.97	113	21	2.29	0.07	24
1021	<5		0.7	27	284	3.26	33	<20	1.91	0.06	15
1022	<5		0.9	34	282	3.36	39	<20	1.77	0.06	16
1023	6		0.3	18	124	3.42	65	<20	1.92	0.06	27
1024	<5		<0.2	20	173	1.65	62	<20	1.34	0.06	30
1025	<5		0.3	20	238	3.08	55	<20	1.90	0.06	19
1026	<5		0.3	16	89	2.35	44	<20	1.26	0.05	28
1027	6		0.4	29	179	4.89	40	<20	7.05	0.07	47
1028	<5		0.2	23	738	2.47	43	<20	1.86	0.07	2:
1029	<5		0.4	26	329	3.74	49	<20	2.18	0.06	30
1030	. <5		0.3	27	149	3.41	91	<20	2.19	0.06	103
1031	<5		0.7	31	180	3.88	114	<20	3.32	0.07	154
1032	<5		0.3	32	188	3.98	97	<20	2.70	0.06	65
1033	<5	***************************************	0.4	19	174	3.58	69	<20	1.84	0.06	43
1034	<5		0.3	23	114	3.45	57	<20	1.89	0.07	38
1035	<5		<0.2	27	94	2.59	65	<20	1.38	0.06	40
1036	<5		0.2	23	116	4.25	73	<20	2.38	0.06	6!
1037	<5		<0.2	11	46	1.55	55	<20	0.96	0.08	3
1038	<5		<0.2	18	96	1.59	58	<20	0.98	0.07	95
1039	<5		0.2	34	298	3.89	94	<20	2.19	0.07	9
1040	<5		0.4	26	102	5.52	58	23	2.48	0.07	23
1041	207		0.4	26	529	3.67	146	<20	2.64	0.06	84
1042	7		0.3	30	141	2.50	165	<20	1.82	0.06	53
1043	8		<0.2	17	162	3.04	200	<20	2.15	0.06	162
1044	<5		0.4	19	61	3.10	106	<20	1.60	0.07	12
1045	<5		<0.2	17	547	2.26	81	<20	1.68	0.07	11
1046	<5		0.2	11	69	1.60	71	<20	0.53	0.05	10
1047	6		0.2	12	91	1.78	60	<20	1.18	0.06	32

Bondar-Clegg & Company Ltd.

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							DA	TE PRINTE	ED: 15-NOV	-93		
REPORT: 093	-42555.0 ( COM	PLETE )					PR	OJECT: NO	ONE		PAGE 1B	
SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	K PCT	Sc PPM	V PPM	Сг РР <b>М</b>	Ni PPM	Mo PPM	Cd PPM	Sb PP <b>M</b>	PPM	Ca PC1
									.,			··············
1008		1.01	0.12	<5	46	28	21	1	<0.2	<5	<20	0.57
1009		0.26	0.07	<5	38	19	7	<1	<0.2	<5	<20	0.27
1010		1.35	0.12	<5	85	43	24	1	<0.2	<5	<20	0.6
1011		0.46	0.08	<5	61	28	15	4	4.7	8	<20	3.0
1012		0.83	0.07	6	46	24	17	2	2.1	7	<20	1.90
1013		4.13	0.06	<5	44	34	29	1	0.4	11	<20	0.5
1014		0.75	0.09	< <b>5</b>	72	38	18	2	<0.2	5	<20	0.3
1015		0.97	0.09	<5	63	32	19	<1	<0.2	<b>&lt;</b> 5	<20	0.3
1016		4.01	0.06	10	102	51	44	2	<0.2	<b>&lt;</b> 5	<20	0.6
1017		1.82	0.09	<5	61	43	28	2	<0.2	<5	<20	0.3
	***************************************					••••••	•••••••					······
1018		0.74	0.07	<5	49	32	19	2	8.0	<b>&lt;</b> 5	<20	0.2
1019		0.77	0.07	<b>&lt;</b> 5	66	33	18	2	0.3	<b>&lt;</b> 5	<20	0.3
1020		0.86	0.07	<b>&lt;</b> 5	80	59	23	1	<0.2	<b>&lt;</b> 5	<20	0.2
1021		0.60	0.07	<5 -	50	22	11	2	0.5	<b>&lt;</b> 5	<20	0.1
1022		0.34	0.06	<5	50	22	8	<1	<0.2	<5	<20	0.10
1023		0.75	0.07	<5	55	29	20	<1	<0.2	<5	<20	0.2
1024		0.32	0.07	<5	24	13	8	<1	<0.2	<5	<20	0.19
1025		0.44	80.0	<5	49	28	15	1	0.4	<5	<20	0.1
1026		0.38	0.12	<5	41	15	9	<1	<0.2	<5	<20	0.0
1027		3.38	0.04	9	114	336	113	1	<0.2	<5	<20	0.4
1028		0.52	0.07	<5	39	24	16	2	0.2	<5	<20	0.3
1029		0.78	0.07	<5	62	31	16	1	<0.2	<5	<20	0.2
1030		0.93	0.22	<5	59	22	17	2	<0.2	<5	<20	0.2
1031		1.97	0.12	< <b>5</b>	64	29	20	1	<0.2	<5	<20	0.4
1032		1.61	0.13	<5	73	25	19	1	0.4	5	<20	0.2
					······································		••••••					••••••
1033		0.58	0.11	<5	57	28	24	2	<0.2	<5	<20	0.3
1034		0.82	0.06	<5	76	40	25	<1	0.4	5	<20	0.3
1035		0.43	0.09	<5	52	21	10	<1	<0.2	<5	<20	0.3
1036		1.19	80.0	6	78	29	20	<1	<0.2	<5	<20	0.3
1037		0.40	0.06	<5	28	19	10	<1	<0.2	<5	<20	0.4
1038		0.28	0.05	<5	29	16	10	<1	<0.2	<5	<20	0.3
1039		0.81	0.10	<b>&lt;</b> 5	61	34	24	<1	0.5	<b>&lt;</b> 5	<20	0.4
1040		1.26	0.06	<5	50	31	17	4	<0.2	5	<20	0.3
1041		1.37	0.23	<5	35	29	19	<1	0.4	<5	<20	0.6
1042		0.85	0.10	<5	35	22	15	3	0.4	5	<20	0.23
*****	•••••			······			٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠			·······		
1043		0.99	0.10	<5 <5	45	33 30	17	1	0.2	<5 -5	<20	0.2
1044		0.37	0.07	<5 <5	44	29	13	1	0.5	<5 -5	<20	0.2
1045 1046		0.42 0.21	0.06	<5 ~5	32 52	22 9	19 5	1	<0.2	<5 .s	<20 <30	0.3
1040		0.21	0.11	<5	52	y	•	2	<0.2	<5	<20	U.2

Bondar-Clegg & Company Ltd.



REPORT: 093	-42555.0 ( COM	PLETE )						TE PRINTE OJECT: NO		/-93 PAGE 10
SAMPLE	ELEMENT	Cu	Co	As	Bi	Te	La	Sr	Y	Нд
NUMBER	UNITS	PPM	PP <b>M</b>	PP <b>M</b>	PPM	PPM	PPM	PP <b>M</b>	PP <b>M</b>	PPB
1008		21	11	11	<5	<10	7	14	8	21
1009		3	6	7	<5	<10	5	7	4	24
1010		13	15	23	<5	<10	5	12	5	21
1011		32	19	179	<5	<10	26	43	40	233
1012		21	18	105	<5	<10	19	29	32	196
1013		55	15	129	<5	<10	6	8	7	67
1014		10	11	40	<5	<10	7	8	6	46
1015		11	13	159	<5	<10	7	8	5	43
1016		125	32	468	<5	<10	9	10	10	91
1017		25	14	123	<5	<10	11	9	8	32
1018		55	8	6	<5	<10	6	8	4	54
1019		8	10	104	<5	<10	7	10	6	72
1020		11	10	11	<5	<10	5	7	3	35
1021		29	5	<5	<5	<10	4	5	2	40
1022	********************************	5	3	<5	<5	<10	4	4	3	51
1023		20	9	14	<5	<10	13	8	11	46
1024		9	4	<5	<5	<10	6	7	5	51
1025		17	7	7	<5	<10	11	6	8	48
1026		14	6	<5	<5	<10	4	4	2	40
1027		26	18	14	<5	14	13	15	5	104
1028		8	6	14	<5	<10	8	9	7	46
1029		11	10	22	<5	<10	7	7	5	38
1030		23	12	6	<5	<10	5	10	4	43
1031		22	16	9	<5	<10	6	14	3	54
1032		21	18	9	<5	<10	5	8	2	46
1033		34	9	19	<5	<10	12	8	12	48
1034		39	16	22	<5	<10	8	9	8	32
1035		11	6	47	<5	<10	6	8	4	54
1036		16	13	220	<5	<10	11	10	12	54
1037		12	5	<5	<b>&lt;</b> 5	<10	7	12	8	21
1038		8	6	12	<5	<10	9	7	7	51
1039		15	12	108	<5	<10	10	10	9	62
1040		9	10	47	<5	<10	7	10	6	40
1041		17	11	204	<b>&lt;</b> 5	<10	5	17	. 3	32
1042	***************************************	14	7	32	<5	<10	7	7	4	94
1043		14	10	<5	<5	<10	5	8	3	51
1044		9	5	11	<b>&lt;</b> 5	<10	6	8	4	54
1045		34	6	<5	<5	<10	8	9	7	32
1046		2	2	<5	<5	<10	5	7	<1	43
1047		8	4	<5	<5	<10	5	5	1	40



DEDODITA NOS.	-42555.0 ( COMI	DIETE 1						NTE PRINTE ROJECT: NO		V-93	PAGE 2A	
KEPUKI: U93	-4233 .0 ( COMI	rLEIE )						COJECT: NO	/RC		PAGE ZA	
SAMPLE	ELEMENT UNITS	Au PPB	AuRew1 PPB	Ag PPM	Pb PP <b>M</b>	Zn PPM	Fe PCT	Ba PPM	Sn PPM	Al PCT	Na	M
NUMBER	Outio	rrb	rrb	rrn 	rrm	rrn 	PCI	rrn 	rrm	PUI	PCT	PP
1048		<5		0.5	20	270	3.46	85	<20	2.22	0.06	56
1049		<b>&lt;</b> 5		0.4	58	553	3.08	245	<20	3.50	0.06	37
1050		<5		0.3	17	187	2.74	153	<20	1.91	0.05	12
1051		<5		<0.2	9	26	1.27	68	<20	0.47	0.05	12
1052		<5		0.2	10	64	3.84	36	<20	1.00	0.05	19
1053		<5	•••••	0.3	16	85	2.89	52	<20	1.85	0.07	11
1054		<5		0.3	20	105	3.12	89	<20	1.60	0.06	18
1055		35	81	0.4	16	122	4.07	59	<20	2.56	0.06	64
1056		5		0.4	16	80	2.38	27	<20	1.95	0.06	20
1057		<5	***************************************	0.3	18	167	3.74	68	<20	1.89	0.07	145
1058	************************	<5		<0.2	20	248	3.70	36	<20	3.50	0.06	23
1059		<5		<0.2	15	64	3.13	40	<20	1.47	0.05	9
1060		7		<0.2	12	41	2.23	28	<20	1.28	0.06	17
1061		<5		0.3	13	105	2.40	43	<20	1.53	0.06	9
1062		<5		0.2	18	68	2.39	41	<20	1.32	0.06	7
1063		<5		0.3	15	117	2.37	52	<20	1.69	0.07	34
1064		15		<0.2	15	91	2.05	24	<20	1.18	0.06	10
1065		<5		0.3	18	177	2.19	46	<20	1.29	0.05	16
1066		<5		0.3	11	26	1.33	21	<20	0.43	0.06	5
1067		<5		0.4	13	130	4.59	40	<20	1.25	0.06	55
1068		<5		0.3	16	119	3.65	40	<20	2.37	0.05	37
1069		<5		0.4	30	157	4.78	106	<20	2.55	0.06	34
1070		19		0.4	20	102	4.78	40	<20	2.75	0.06	23
1071		162	9	<0.2	16	50	2.00	24	<20	0.77	0.05	4
1072		<5		0.3	20	91	3.70	35	<20	1.51	0.06	12
1073	***************************************	<5	***************************************	<0.2	20	105	2.94	46	<20	2.39	0.06	14
1074		<5		0.3	16	112	2.89	36	<20	2.00	0.06	19
1075		<5		0.4	38	186	3.13	40	<20	2.94	0.05	32
1076		5		0.2	21	134	3.15	39	<20	2.88	0.05	30
1077		10		0.2	26	177	4.00	46	<20	2.94	0.06	55
1078		<5		0.2	16	73	2.48	51	<20	1.14	0.06	13
1079		11		0.3	18	90	2.74	209	<20	1.47	0.05	107
1080		6		0.4	27	168	2.61	116	<20	2.17	0.05	125
1081		20		0.3	18	145	4.31	159	<20	2.66	0.05	53
1082		10		0.3	22	119	2.92	111	<20	2.17	0.06	205
1083		<5		0.3	43	377	3.70	108	<20 <sup>°</sup>	2.51	0.06	182
1084		<5		0.3	21	196	2.71	57	<20	1.99	0.06	31



REPORT: 093	-42555.0 ( COM	IPLETE )						OJECT: NO	ED: 15-NOV DNE		PAGE 2B	
SAMPLE	ELEMENT	Mg	ĸ	Sc	٧	Cr	Ni	Мо	Cd	Sb	W	
NUMBER	UNITS	PCT	PCT	PPM	PP <b>M</b>	PPM	PPM	PPM	PPM	PPM	PPM	
1048		0.97	0.12	<b>&lt;</b> 5	40	15	12	1	<0.2	<5	<20	0
1049		2.36	0.08	<5	41	26	21	<1	0.4	<5	<20	0
1050		1.30	0.04	<b>&lt;</b> 5	37	33	17	<1	0.4	<5	<20	0
1051		0.10	0.06	<5	33	11	3	1	<0.2	<5	<20	0
1052		0.44	0.07	<5	53	24	8	1	<0.2	<5	<20	0
1053		0.30	0.06	<5	40	22	13	<1	<0.2	<5	<20	0
1054		0.45	0.07	<5	41	22	11	<1	<0.2	<5	<20	0
1055		1.25	0.07	<5	90	24	21	<1	<0.2	<5	<20	0
1056		0.38	0.06	<5	38	23	11	<1	<0.2	<5	<20	0
1057		0.91	0.06	<5	95	47	20	1	<0.2	5	<20	0
1058		1.53	0.10	<5	38	28	19	1	0.4	<5	<20	0
1059		0.57	0.09	<5	50	19	10	1	<0.2	<5	<20	0
1060		0.35	0.06	<5	49	17	10	<1	<0.2	<5	<20	0
1061		0.62	0.09	<5	33	17	11	<1	0.4	<5	<20	0
1062		0.68	0.06	<5	49	25	12	<1	<0.2	<5	<20	0
1063	***************************************	0.72	0.09	<5	38	24	15	<1	<0.2	<5	<20	0
1064		0.34	0.07	<5	38	14	8	<1	<0.2	<5	<20	0
1065		0.62	0.11	<5	28	14	8	<1	<0.2	5	<20	0
1066		0.09	0.06	<5	42	10	3	<1	0.2	<5	<20	0
1067		0.55	0.05	<5	121	16	8	2	0.5	7	<20	0
1068		1.45	0.05	<5	79	132	40	<1	0.6	<5	<20	0
1069		0.98	0.13	<5	80	22	16	5	<0.2	5	<20	0
1070		1.29	80.0	<5	66	25	17	3	0.3	6	<20	0
1071		0.24	0.05	<5	43	9	5	<1	<0.2	<5	<20	0
1072		0.37	0.07	<5	60	22	11	1	<0.2	<5	<20	0
1073		0.55	0.07	<5	45	28	18	<1	<0.2	<5	<20	0
1074		0.37	0.06	<5	40	23	13	1	<0.2	<5	<20	0
1075		1.24	0.06	<5	37	28	34	1	0.3	5	<20	0
1076		0.96	0.08	<5	38	16	12	1	<0.2	<5	<20	0
1077		1.84	0.22	<b>&lt;</b> 5	42	31	18	<1	<0.2	7	<20	0
1078		0.23	0.07	<5	40	22	10	<1	<0.2	<5	<20	0
1079		0.73	0.09	<5	40	19	10	<1	<0.2	5	<20	0
1080		0.77	0.06	<b>&lt;</b> 5	38	31	14	<1	<0.2	<5	<20	0
1081		1.62	0.08	<5	83	25	16	<1	<0.2	<5	<20	0
1082		0.99	0.08	<5	41	45	14	1	<0.2	6	<20	0
1083	***************************************	1.28	0.12	<5	33	24	37	3	<0.2	10	<20	0
1084		0.63	0.07	<5	41	26	19	1	<0.2	<5	<20	0



REPORT: 093	-42555.0 ( COM	PLETE )						TE PRINTE OJECT: NO		-93	PAGE 2C
						······································				u_	
SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Co PPM	AS PPM	Bi PPM	Te PPM	La PPM	Sr PPM	Y PP <b>M</b>	Hg PPB	
							••••••		•••••••	· · · · · · · · · · · · · · · · · · ·	
1048		12	8	<b>&lt;</b> 5	<b>&lt;</b> 5	<10	5	6	2	59	
1049		18	11	7	<5	10	5	11	3	32	
1050		10	7	<b>&lt;</b> 5	<5 -	<10	8	5	2	35	
1051		4	2	<5 -	<5 	<10	13	7	10	32	
1052		3	5	<5	<5	<10	6	4	1	29	
1053		7	6	7	<5	<10	5	5	4	38	
1054		6	6	<5	<5	<10	5	9	3	29	
1055		29	21	13	<5	<10	5	7	3	40	
1056		5	5	<5	<5	<10	7	4	4	40	
1057		26	19	12	<5	<10	5	11	2	27	
1058		13	10	15	<5	<10	4	5	1	62	
1059		5	5	7	<5	<10	5	4	1	21	
1060		6	5	286	<5	<10	5	4	2	24	
1061		7	6	<5	<5	<10	5	8	2	32	
1062		6	5	10	<5	<10	4	6	2	34	
1063		11	9	<5	<5	<10	5	7	4	48	
1064		7	4	<5	<5	<10	5	4	2	26	
1065		5	6	12	<5	<10	3	9	1	40	
1066		3	2	<5	< <b>5</b>	<10	3	5	2	21	
1067		34	14	<5	<5	<10	4	5	4	40	
1068		10	14	15	<5	<10	3	6	1	29	
1069		18 15	16 16	47	<5	<10	7	12	3	48	
1070		8	12	7	<5	<10	4	10	2	40	
1071		2	3	, <5	<5	<10	3	3	<1	29	
1072		7	6	10	<5	<10	5	5	2	40	
								······			
1073		10	9	8	<5 -5	<10	8	5	5	48	•
1074		4	6	6	<5 .r.	<10	5	5		50	
1075		11	10	122	<5 -5	<10	7	, ,	4	77	
1076		13	9	21	<5	<10	5	4	2	66 77	
1077		18	13	13	<5	<10	5	6	2	37	
1078		4	4	<5	<b>&lt;</b> 5	<10	5	8	3	45	
1079		11	8	17	<b>&lt;</b> 5	<10	5	14	2	40	
1080		7	8	10	<5	<10	4	8	1	48	
1081		16	18	13	<b>&lt;</b> 5	<10	4	11	2	26	
1082		10	10	28	<5	<10	7	9	5	61	
1083		20	14	169	<5	<10	11	14	11	88	
1084		12	7	88	<5	<10	7	6	6	40	



REPORT: 093-4	2/84 0 / 2011	DIETE						TE PRINTE	D: 1-NO			
	2486.0 ( COM											
SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Pb PP <b>M</b>	Zn PPM	Fe PCT	Ba PPM	Sn PPM	Al PCT	Na PCT	Mn PPM	Mg PCT
6772 6773		<5	<0.2	<2 3	<b>7</b> 20	0.54	7 105	<20 <20	0.06 0.58	0.04 0.06	29 806	0.08 3.32
												••••••
-												•••••••
												••••••
			•••••••••••									•••••••



	42486.0 ( COM	MPLETE )		*****			D.A	TE PRINTE	D: 1-NOV		PAGE 1B	.,
SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sc PPM	V PPM	Cr PPM	Ni PPM	Mo PPM	Cd PPM	Sb PPM	W PPM	Ca PCT	Cu PPM
6772 6773		<0.01 0.23	<5 <5	2	119 45	31 15	4 <1	<0.2 <0.2	<5 <5	<20 <20	0.02 >10.00	14
												•••••••••••••••••••••••••••••••••••••••



REPORT: 093-	42486.0 ( COM	PLETE )	.,					OJECT: OP	D: 1-NOV-93 AP-93	PAGE 1C
SAMPLE NUMBER	ELEMENT UNITS	Co PPM	As PPM	Bi PPM	Te PPM	La PPM	Sr PPM	Y PPM	Hg PPB	
6772 6773		3 6	188 16	<5 <5	<10 <10	<1 4	2 286	<1 4	8 13	



									ED: 9-NO	V-93		
REPORT: 093-	42556.0 ( COM	• • • • • • • • • • • • • • • • • • • •					PR	OJECT: N	ONE		PAGE 1A	******
SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Pb PPM	Zn PPM	Fe PCT	Ba PPM	Sn PPM	Al PCT	Na PCT	Mn PPM	PC
6774		<5	<0.2	5	62	0.26	7	<20	0.02	0.05	44	0.1
6775			1.2		30		140		2.78	0.08	50	2.0
6776		14	0.5		142		86		1.75	0.07	1218	2.7
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	42556.0 ( CO⊬						PR	OJECT: NO			PAGE 1B	
SAMPLE NUMBER	ELEMENT UNITS	K PCT	Sc PPM	V PPM	Cr	Ni PPM	Mo PPM	Cd PPM	Sb PP <b>M</b>	W PPM	Ca PCT	Cı PP <b>I</b>
6774 6775 6776		0.01 1.04 0.80	<5 12 10		220 56 112		1 <1 18		11	<20	0.88 0.47 3.84	3 56 49



REPORT: 093-	REPORT: 093-42556.0 ( COMPLETE )							DATE PRINTED: 9-NOV-93 PROJECT: NONE PAGE 10				
SAMPLE NUMBER	ELEMENT Units	Co PPM	As PPM	Bi PPM	Te PPM	La PPM	Sr PPM	Y PPM	Hg PPB			
6774 6775 6776			<5 37 19	<5 <5 <5			7 9 25	<1 8 21	20 <b>34</b> <5			



								DAT	E PRINTE	D: 23-DEC	-93		
REPORT: 093-4	2710.0 ( COM	PLETE )					••••••	PRO	JECT: NO	NE		PAGE 1A	
SAMPLE	ELEMENT	Au	AuRew1	Ag	Pb	Zn	Fe	Ba	Sn	Al	Na	Mn	Mg
IUMBER	UNITS	PPB	PPB	PPM	PPM	PPM	PCT	PPM	PPM	PCT	PCT	PPM	PCT
581	•••••	<b>&lt;</b> 5		0.2	24	240	3.18	161	<20	2.80	0.02	1727	0.56
582		8		<0.2	87	726	3.18	133	<20	2.77	0.02	591	1.14
583		10		<0.2	20	112	2.48	129	<20	2.17	0.02	590	0.79
584		<5		0.3	19	127	2.36	90	<20	2.16	0.02	338	0.67
585		<b>&lt;</b> 5		0.2	20	225	2.71	181	<20	1.82	0.02	1816	0.67
586	***************************************	<5	***************************************	<0.2	9	129	2.27	121	<20	1.64	0.02	939	0.46
587		<5		0.3	11	93	3.64	66	<20	1.15	0.02	174	0.44
588	•	5		<0.2	13	175	2.71	136	<20	2.07	0.02	699	0.57
589		<5		0.4	40	259	2.72	136	<20	2.27	0.02	306	0.95
590		7		<0.2	11	158	2.57	104	<20	1.80	0.02	675	0.58
591		<5		0.2	12	183	2.83	116	<20	1.79	0.02	612	0.57
592		<b>&lt;</b> 5		0.3	9	103	3.26	85	<20	1.88	0.02	157	0.49
593		<5		<0.2	11	127	3.01	90	<20	2.40	0.03	311	0.8
594		<5		<0.2	12	167	2.57	94	<20	2.47	0.02	594	0.6
595		<5		<0.2	13	159	3.21	75	<20	2.13	0.02	241	0.9
596		<5		<0.2	30	386	3.27	180	<20	1.89	0.02	3770	0.7
597		7		1.6	15	142	3.54	142	25	0.75	0.21	3064	19.60
598		<5		<0.2	8	119	1.55	50	<20	0.82	0.02	195	0.43
599		<5		<0.2	7	104	1.46	112	<20	0.80	0.02	557	0.2
600		<5		<0.2	12	123	2.87	99	<20	2.28	0.02	339	0.7
601	•••••	<5		<0.2	6	119	2.35	75	<20	1.49	0.02	507	0.42
702		5		0.6	59	306	5.99	208	<20	2.75	0.02	475	2.02
AR147-1		<5		0.5	54	4569	4.05	309	<20	2.75	0.02	894	2.07
AR147-2		<5		0.4	25	300	4.06	606	<20	3.38	0.02	607	2.22
AR147-3	••••	<5		0.3	25	284	4.17	414	<20	2.72	0.02	634	1.91
AR165-1		<5	•••••	0.4	135	814	4.84	216	<20	2.50	0.02	1812	2.53
AR165-2		<5		0.3	43	427	7.12	555	<20	2.14	0.02	9468	2.23
AR1671		<5		<0.2	29	487	3.32	145	<20	1.74	0.02	925	0.72
AR1672		<5		<0.2	11	896	2.64	153	<20	1.38	0.02	438	0.48
AR174-1		29	22	0.2	29	79	2.49	74	<20	2.65	0.03	303	1.25
AR174-2		43	42	0.3	29	50	3.99	54	<20	3.18	0.05	348	1.34
AR233-1		256	383	0.4	32	99	2.11	104	<20	0.91	0.02	2766	0.37
AR233-2		20	23	0.3	25	67	2.21	79	<20	0.74	0.02	2440	0.12
AR233-3		<5		<0.2	34	95	2.57	44	<20	1.32	0.02	693	0.81
KAL-1		10		0.4	39	212	4.94	121	<20	2.41	0.02	512	1.41
KAL-2		<5		0.6	158	940	5.47	196	<20	2.88	0.03	359	1.88
KAL-3		<b>&lt;</b> 5		0.8	218	431	5.79	211	<20	2.83	0.03	428	1.68
KAL-4		13		<0.2	19	122	3.29	107	<20	1.88	0.03	446	0.92
KAL-5		<5		0.4	23	294	3.86	316	<20	2.17	0.02	1121	1.09
KAL-6		<5		0.5	24	284	1.61	255	<20	0.71	0.03	8367	6.87



									E PRINTED				
REPORT: 093-4	2710.0 ( COM	PLETE )				••••	*******	PRO	JECT: NON	Έ	Р	AGE 1B	
SAMPLE	ELEMENT	K	Sc	٧	Cr	Ni	Мо	Cd	Sb	¥	Ca	Cu	Со
NUMBER	UNITS	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PP <b>M</b>	PPM	PCT	PPM	PPM
581		0.09	<5	41	49	25	8	0.6	<5	<20	0.78	16	15
582		0.08	<5	42	95	47	4	0.8	<5	<20	0.50	20	15
583		0.20	<5	46	43	21	2	0.3	<5	<20	0.23	13	16
584		0.10	<b>&lt;</b> 5	40	38	19	3	0.3	<b>&lt;</b> 5	. <20	0.31	11	11
585		0.06	<5	36	41	23	3	<0.2	<b>&lt;</b> 5	<20	0.38	12	11
586		0.05	<5	33	33	20	2	0.2	<5	<20	0.20	10	13
587		0.06	<5	52	32	14	3	0.4	<5	<20	0.30	8	6
588		0.09	<5	35	38	21	3	1.0	<5	<20	0.23	13	12
589		0.08	<5	37	40	26	4	0.3	<5	<20	0.34	14	10
590		0.05	<5	37	43	30	2	<0.2	<5	<20	0.28	14	11
591		0.06	<5	43	47	27	3	<0.2	<5	<20	0.30	12	12
592		0.05	<5	48	56	34	3	0.5	<5	<20	0.32	15	9
593		0.09	<5	48	62	42	3	0.4	<5	<20	0.45	32	15
594		0.07	<5	36	41	21	3	<0.2	<5	<20	0.17	14	9
595		0.07	<5	46	38	24	4	0.8	<5	<20	0.41	17	13
596		0.07	<5	37	43	24	2	1.1	<5	<20	0.56	22	15
597		0.12	<5	14	21	24	17	3.0	59	50	5.91	68	13
598		0.06	<5	24	21	8	<1	<0.2	<5	<20	0.25	4	6
599		0.06	<5	25	23	11	1	<0.2	<5	<20	0.20	5	6
600		80.0	<5	46	55	37	4	<0.2	<5	<20	0.38	18	11
601	••••••	0.05	<5	37	41	22	3	0.6	<5	<20	0.21	9	9
702		0.69	13	138	82	14	10	<0.2	<5	<20	0.20	48	10
AR147-1		0.58	. 7	95	58	66	6	2.7	<5	<20	0.53	16	29
AR147-2		0.80	7	102	59	54	5	<0.2	<5	<20	0.23	21	25
AR147-3		0.51	5	95	54	45	5	0.4	<5	<20	0.30	22	20
AR165-1		0.14	<5	80	56	28	8	0.3	<5	<20	0.27	16	11
AR165-2		0.05	<5	36	46	29	7	1.1	<5	<20	0.82	13	11
AR1671		0.09	<5	55	35	31	4	0.3	<5	<20	0.42	18	14
AR1672		0.06	<5	43	30	31	2	0.9	<5	<20	0.26	8	10
AR174-1		0.04	<5	27	17	15	5	<0.2	<5	<20	0.72	31	9
AR174-2	••••••••••	0.03	<5	47	29	21	7	0.6	<5	<20	0.71	81	17
AR233-1		0.07	<b>&lt;</b> 5	30	23	12	3	1.2	< <b>5</b>	<20	0.20	6	26
AR233-2		0.06	<5	32	17	8	3	0.5	<5	<20	0.24	13	52
AR233-3		0.05	<5	33	26	28	3	0.5	<5	<20	0.28	12	25
KAL-1		0.40	8	67	46	33	6	0.9	<5	<20	0.33	78	20
KAL-2		0.60	13	111	71	40	7	1.2	<5	<20	0.16	65	18
KAL-3		0.84	13	127	78	19	8	0.3	<5	<20	0.20	52	13
KAL-4		0.14	5	39	30	37	4	<0.2	<5	<20	0.43	57	17
KAL-5		0.24	<b>&lt;</b> 5	33	24	18	4	<0.2	<5	<20	0.33	30	13
KAL-6		0.06	<5	15	26	22	3	3.3	<5	<20	>10.00	221	18



								DATE PRINTED: 23-DE	c-93
EPORT: 093-4	42710.0 ( COM	PLETE )						PROJECT: NONE	PAGE 1C
	PI PAPAR		<b></b>	T-		<b>C</b> -		11-	
SAMPLE IUMBER	ELEMENT UNITS	AS PPM	Bi PPM	Te PPM	La PPM	Sr PPM	Y PPM	Hg PPB	
UMBEK	URITS		rrm	rrm		FM		FFO	
581		6	<5	<10	35	23	21	123	
582	-	8	<5	11	22	14	8	59	
583		<5	<5	<10	15	14	4	15	
584		<5	<5	<10	13	16	4	36	
585		<5	<5	<10	11	17	3	46	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•••••	•••••		•••••	• • • • • • • • • • • • • • • • • • • •			
586		<5	<5	<10	10	18	2	26	
587		<5	<5	<10	8	13	3	31	
588		<5	<b>&lt;</b> 5	10	11	13	3	33	
589		<b>&lt;5</b>	<b>&lt;</b> 5	<10	10	14	3	38	
590		<5	<5	<10	9	14	3	33	
				-40		4/			
591 592		6 <5	<5 <5	<10 <10	9 9	14 22	2 2	33 38	
592 593		<5	<5	<10	12	17		36 15	
594		<5	<5	<10	11	10	3	59	
595		12	<5	<10	12	17	4	31	
596		<5	<5	<10	13	16	5	48	
597		14	<5	65	17	31	15	79	
598		<5	<5	<10	11	10	3	18	
599		<5	<5	<10	11	10	3	20	
600		<5	<5	<10	11	15	3	38	
······	•••••••••	•••••	·········	········	•••••	••••••		······	
601		<5	<5	<10	9	13	2	36	
702		5	<5	11	13	13	4	33	
AR147-1		<5	<b>&lt;</b> 5	<10	23	25	9	56	
AR147-2		9	<5 -	<10	12	13	3	41	
AR147-3		<5	<5	11	9	17	3	26	
AR165-1	•••••	8		4.4	4.5	44	e		
AR165-1		o 17	<5 <5	11 <10	15 49	11 16	5 35	43 94	
AR 163-2 AR 1671		12	<5	<10	10	21	5 5	38	
AR1672		9	<5	<10	9	13	5	20	
AR174-1		20	<5	<10	10	17	4	84	
							,		
AR174-2		29	<5	10	20	17	12	112	
AR233-1		<5	<b>&lt;</b> 5	<10	15	7	3	84	
AR233-2		<5	<5	<10	11	9	2	64	
AR233-3		<5	<5	<10	13	Ş.	5	72	
KAL-1		8	<5	<10	32	12	18	28	
	***************************************		•••••••		••••••	••••••			
KAL-2		<5	<5	10	15	13	6	36	
KAL-3		<b>&lt;</b> 5	<b>&lt;</b> 5	<10	10	19	5	46	
KAL-4		<5	<5 	11	16	7	10	36	
KAL-5		8	<b>&lt;</b> 5	<10	18	7	13	48	
KAL-6		9	<5	<10	25	55	30	146	



REPORT: 093-42709.0 ( COMPLETE )  SAMPLE ELEMENT AU AG PD ZN FE BB SN AL NA		
UMBER         UNITS         PPB         PPM         PPM         PPM         PCT         PPM         PPM	PAGE 1A	
6781	Mn Mg	)
6782       <5	PPM PCT	PC
6783       <5	570 1.21	1.18
6784	195 0.41	0.1
6786 <5 <0.2 38 62 3.89 18 <20 2.29 0.35  6786 <5 <0.2 <2 20 0.42 13 <20 0.04 0.03  CHIP-1 <5 <0.2 29 46 0.06 23 <20 0.03 0.04  CHIP-2 <5 <0.2 6 86 0.08 3 <20 0.04 0.04	107 0.32	0.17
6786 <5 <0.2 <2 20 0.42 13 <20 0.04 0.03 CHIP-1 <5 <0.2 29 46 0.06 23 <20 0.03 0.04 CHIP-2 <5 <0.2 6 86 0.08 3 <20 0.04 0.04	145 0.91	0.48
CHIP-1 <5 <0.2 29 46 0.06 23 <20 0.03 0.04 CHIP-2 <5 <0.2 6 86 0.08 3 <20 0.04 0.04	362 0.75	0.08
CHIP-2 <5 <0.2 6 86 0.08 3 <20 0.04 0.04	1617 10.08	0.0
	264 1.32	0.04
CHIP-3 <5 <0.2 4 208 0.30 9 <20 0.05 0.22	519 5.24	0.0
	469 11.59	0.09
		•



REPORT: 093-42709.0 ( COMPLETE )									JECT: NO		P	AGE 1B	
AMPLE	ELEMENT	Sc	٧	Cr	Ni	Мо	Cd	Sb	W	Ca	Cu	Со	As
JMBER	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PP <b>M</b>	PCT	PPM	PP <b>M</b>	PPM
6781	•••••	11	97	97	46	6	<0.2	<5	<20	0.34	64	23	<5
6782		<5	29	58	119	3	0.4	<5	<20	1.83	61	49	<5
6783		<5	17	62	4	1	0.3	<5	<20	0.19	8	5	<5
6784		5	53	68	37	8	2.4	<5	<20	0.12	47	14	<5
6785		7	50	77	41	2	0.2	<5	<20	2.22	42	25	<5
6786	•••••	<5	5	21	5	<1	<0.2	<b>&lt;</b> 5		>10.00	18	9	<5
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CHIP-2		<5	1	26	3	<1	0.5	<5	<20		9	6	<5
CHIP-3		<b>&lt;</b> 5	2	17	17	17	9.8	63	29	>10.00	3	<1	<5
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REPORT: 093-	42709.0 ( COMI	PLETE )						DATE PRINTED: 17-DEC-93 PROJECT: NONE	PAGE 1C
SAMPLE	ELEMENT	Bi	Te	La	Sr	Y	Нд		······································
NUMBER	UNITS	PP <b>M</b>	PPM	PPM	PPM	PPM	PPB		
6781		<5	<10	14	11	7	<5		
6782		<5	<10	1	33	3	<5		
6783		<5	<10	2	17	2	<5		
6784		<5	10	7	5	4	8		
6785		<b>&lt;</b> 5	12	9	63	4	<5		
6786		<5	<10	6	87	7	13		•••••••••••••••••••••••••••••••••••••••
CHIP-1		<5	<10	2	218	2	<5		
CHIP-2		<5	<10	1	73	3	<5		
CHIP-3		24	<b>7</b> 5	<1	126	1	<5		
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# APPENDIX B DAILY REPORTS AND EXPENSES

#### W. E. HOLMSTEAD AND ASSOCIATES INC. 1074 DILLINGHAM STREET KINGSTON, ONTARIO K7P 2P4 (613) 384 8944 FAX (613) 389 8950

#### FAX TRANSMITTAL FORM

January 31, 1994

TO:

**MNDM** Incentives

ATTENTION:

SUBJECT:

**OPAP Final Report** 

FAX:

705 670 5803

NO. PAGES:

7 pages

COPIES TO:

**COMMENTS:** 

Following is the final submission form for OP93-649. I am still awaiting data and report for the IP survey done on the Hinchinbrooke project. When I have this, I will forward the completed reports to your offices.

Thank-you,

Wayne Holmstead

SENDER: Wayne Holmstead



## ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) FINAL SUBMISSION FORM 1993

INSTRUCTIONS: Please read the guidebook before completing form Please type or print
Submit completed form and supporting documentation by January 31, 1994 (May 31, 1994 for winter program) to:
Incentives Office (Mineral Development and Rehabilitation Branch)
Ministry of Northern Development & Mines
5th Floor, 933 Ramsey lake Rd., Sudbury, Ontario P3E 6B5

TO BE COMPLETED BY SUCCESSFUL GRANTEES AFTER PROJECT COMPLETION AND ACCOMPANIED BY WRITTEN REPORTS, MAPS, ETC.

Winter Program
-649
Completed?
es 🖳 No 🗆
es 🖭 No 🔾
No. days worked by applicant (that's only you)
4 DAYS
4 DAYS

	WORK PERFORMED BY					NT
2.	Project #2 area/name	CLARENDON TU	) (	<del></del>		No. days worked by applicant
	Traditional prospecting	No. of samples				
	Geological surveys	Scale				
	Geophysical surveys	Туре		Miles/km		
•	Geochemical surveys	Type <u>Sõic "В</u>		No. of samples_	83	5 DAYS
	Drilling	Туре		Ft./m		
	Stripping/Trenching	Method				
	Other	Type_				
	TSEE A	ITTACHED			TOTAL	5 DAYS
	TOTAL DAYS (ALL PRO				A.	15 DAYS
		s for additional project are	eas as	required)	11.	
II.	EXPENDITURES (total	of all projects) - Summ	ary	of I and II		
	1. Number of working da (A) x \$100/day	ys <b>by applicant</b> y				\$ 1500.00
	·					\$ 600.00
		paration days <b>by applica</b>				-
	3. Analyses/Assay costs					\$ 3346.42
	4. Equipment rentals/suj	pplies (specify)				
						\$
	••••		\$			
	5. Contract services (stat			_		
		NDUCED POLARIZATION	\$	3210.00		
						\$ 32/0.00
	••••		\$			
	6. Travel (state method:					
		RUAD				
						\$ 1002.00
			\$_			
	7. Food and Accommodat	tion				\$ 3.75.00
	8. Other expenses (speci-	fy, e.g. helpers)				
	-	5 MIPPING	\$_	30.00		367.12
	6	LOTTER PEN	\$	50.98		\$_715_93
	5_	COPPLIES / REPORT	\$_	35.00		
	ذ	XPLOSIUES POTAL	જેલજન	251:14		e in 100.54

#### I. WORK PERFORMED BY APPLICANT, cont'd

Project #3: Hinchinbrooke Township

Induced Polarization Survey, 1.8 kilometers 3 days Soil Geochemistry, 21 samples 1 day

Project #4: Kaladar Township

Trenching by hand and explosives 2 days

III. DETAILED LIST OF EXPENDITURES

DATE	PROJECT	RECIPIENT	SALARY	KM	FOOD	MISC.	EXPLAN.
07-Oct-93	CLARENDON	HOLMSTEAD	\$100	220	\$25		7 SOILS
13-Oct-93	GENERAL	BUS				\$18.24	SHIPPING
14-Oct-93	CLARENDON	HOLMSTEAD	\$100	220	\$25		15 SOIL 3 R
19-Oct-93	CLARENDON	HOLMSTEAD	\$100	220	\$25		17 SOILS
20-Oct-93	CLARENDON	HOLMSTEAD	\$100	220	\$25		22 SOIL
21-Oct-93	CLARENDON	HOLMSTEAD	\$100	220	\$25		22 SOIL
27-Oct-93	GRIMSTH	HOLMSTEAD	\$100	250	\$25		19 SOIL
28-Oct-93	GRIMSTH	HOLMSTEAD	\$100	250	\$25		20 SOIL
29-Oct-93	GRIMSTH	HOLMSTEAD	\$100	250	\$25		18 SOIL
29-Oct-93	CLARENDON	BONDAR-CLI	EGG			\$67.41	ASSAY
01-Nov-93	CLARENDON	BONDAR-CLI	EGG			\$36.38	ASSAY
01-Nov-93	GRIMSTH	HOLMSTEAD	\$100	250	\$25		18 SOIL
01-Nov-93	CLARENDON	BONDAR-CLI	EGG			\$14.55	ASSAY
01-Nov-93	CLARENDON	BONDAR-CLE	EGG			\$114.70	ASSAY
09-Nov-93	CLARENDON	BONDAR-CLE	EGG			\$54.57	ASSAY
15-Nov-93	CLARENDON	BONDAR-CLI	EGG			\$1,128.53	ASSAY
30-Nov-93	HINCHIN	HOLMSTEAD	\$100	200	\$25		21 SOIL
01-Dec-93	KALADAR	ABBOTT				\$251.14	EXPLOSIVES
01-Dec-93	KALADAR	HOLMSTEAD	\$100	220	\$25		TRENCHING
02-Dec-93	KALADAR	HOLMSTEAD	\$100	220	\$25		TRENCHING
03-Dec-93	GRIMSTH	BONDAR-CLI	EGG			\$72.76	ASSAY
03-Dec-93	GRIMSTH	BONDAR-CLI	EGG			\$1,098.89	ASSAY
15-Dec-93	REPORT	UPS				\$50.98	PLOTTER PEN
17-Dec-93	KALADAR	BONDAR-CLI	EGG			\$170.13	ASSAY
24~Dec-93	HINCHIN	BONDAR-CLI	EGG			\$588.50	ASSAY
18-Jan-94	HINCHIN	HOLMSTEAD	\$100	200	\$25		IP
19-Jan-94	HINCHIN	HOLMSTEAD	\$100	200	\$25		IP
20-Jan-94	HINCHIN	HOLMSTEAD	\$100	200	\$25		IP
21-Jan-94	REPORT	HOLMSTEAD	\$100				PLOTTING
22-Jan-94	REPORT	HOLMSTEAD	\$100				PLOTTING
23-Jan-94	REPORT	HOLMSTEAD	\$100				REPORT
24-Jan-94	HINCHIN	MEIKLE				\$3,210.00	IP
24-Jan-94	REPORT	HOLMSTEAD	\$100				REPORT
25-Jan-94	REPORT	HOLMSTEAD	\$100				REPORT
26-Jan-94	REPORT	HOLMSTEAD	\$100				REPORT
31-Jan-94	REPORT					\$11.76	
31-Jan-94	REPORT					\$35.00	SUPPLIES

TOTALS \$2,100 \$1,002 \$375 \$6,923.54 \$10,400.54

#### IV. DAILY REPORTS

DAY	DATE	PROJECT	WORK PERFORMED
1	07-Oct-93	CLARENDON	FOLLOW-UP OF 1992 SOIL SURVEY
2	14-Oct-93	CLARENDON	FOLLOW-UP OF 1992 SOIL SURVEY
3	19-Oct-93	CLARENDON	FOLLOW-UP OF 1992 SOIL SURVEY
4	20-Oct-93	CLARENDON	NEW SOIL SURVEY
5	21-Oct-93	CLARENDON	NEW SOIL SURVEY
6	27-Oct-93	GRIMSTH	SOIL GEOCHEMISTRY
7	28-Oct-93	GRIMSTH	SOIL GEOCHEMISTRY
8	29-Oct-93	GRIMSTH	SOIL GEOCHEMISTRY
9	01-Nov-93	GRIMSTH	SOIL GEOCHEMISTRY
10	30-Nov-93	SLAVE	SOIL GEOCHEMISTRY
11	01-Dec-93	KALADAR	TRENCHING
12	02-Dec-93	KALADAR	TRENCHING
13	18-Jan-94	SLAVE	INDUCED POLARIZATION
14	19-Jan-94	SLAVE	INDUCED POLARIZATION
15	20-Jan-94	SLAVE	INDUCED POLARIZATION

	New Showings and/or Anomalies	Commodity	Best Analyses	
HINCHIN BROWKE	IP ANOMALY	ZINC		
GRIMSTHORPE	SOIL ANOMALY	GOLD	137 PPB	
CLARENDON	SOIL ANOMALY	GOLD	137 PPB	
VI. CLAIMS STAKED D	URING/AFTER PROSPECT	TING ACTIVITY	(please complete)	
Project Area	Claim Number	s	Number of Claim Units	
VII. OPTION AGREEM	ENTS RESULTING FROM	OPAP PROJECT	-	
Optionee	Property/C	Claims	Dollar Value of Work Commitment	
The Ministry of Northern I this application.	Development and Mines may v	erify all statemen	ts related to and made herein	
1. I am the person named i	in the Application for Grant u	nder the Ontario F	Prospectors Assistance Program.	
	- "	nder the Ontario I	Prospectors Assistance Program.	
2. I am ordinarily a reside	- "	,	Prospectors Assistance Program.	
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## APPENDIX C INDUCED POLARIZATION SURVEY

#### HINCHINBROOK TOWNSHIP, KINGSTON, ONTARIO

for

WAYNE HOLMSTEAD

Submitted by: R.J. Meikle
Rayan Exploration Ltd.
January 18, 1994

#### TABLE OF CONTENTS

INTRODUCTION	Page 1
SURVEY PARAMETERS	2,3
SURVEY RESULTS	4.5
CERTIFICATION	6

#### LIST OF MAPS

PLATE - 1, I.P. PSUEDOSECTIONS

#### APPENDIX A

I.P. RECEIVER - BRGM, IP-2

#### APPENDIX B

I.P. TRANSMITTER - SCINTREX, IPC-P

#### INDUCED POLARIZATION SURVEY PARAMETERS

#### General IP Theory

The IP method involves applying voltage across two electrodes in a pulsed manner i.e. 2 seconds on, 2 seconds off. A second "dipole" or electrode pair, measures the residual potential or voltage between them after the voltage is shut off or during the 2 second off cycle. The potential is recorded at different times after the shut off. If, for example, there is sulphide mineralization within the measuring dipoles, they will be polarized or charges set up on the sulphide particles. This polarization gives the zone a capacitor effect, thereby blocking the current delay giving a higher chargeability reading.

A typical signature for many gold showings would be a chargeability high, resistivity high and magnetic low. This would be characteristic of a mineralized, highly altered carbonated and/or silicified zone. However, this is by no means the only geological setting for gold, therefore every profile should be looked at individually and correlated with all other geophysical-geological data.

#### Electrode Array

The electrode array used for the survey was the Dipole-Dipole Array. In this array two current electrodes (C1, C2) and two receiver or potential electrodes are moved down a line in unison. In this case the "a" spacing or distance between each dipole was fixed at 25 meters apart. For an N=1 reading, the closest C1 and P1 were 25 meters apart. The C1-C2 dipole remain in the same place while the potential dipole (P1-P2) moves ahead on "a" spacing and the array is ready for an N=1 reading.

#### IP Survey Parameters

The IP survey was carried out using the following parameters:

Method: Time Domain

Electrode Array: Dipole-Dipole

"a" spacing: 25 meters

Number of Dipoles Read: 1-4

Pulse Duration: 2 seconds on, 2 seconds off

Delay Time: 500 milliseconds

Integration Time: 420 milliseconds

Receiver: EDA IP-2

Transmitter: Scintrex IPC-9, 200 watt

Data Presentation: Plate-1, stacked psuedosections

Scale: 1:1250

- -narrow, 3X background chargeability centred at 75N
- -moderately conductive
- -weaker chargeability response of the five lines surveyed
- -resistive zone 255 25N

#### Line 225E

- -strong chargeability, 7X background centred at 125N
- -moderately conductive
- -in contact with resistive unit to south at approx. 60m north
- -poss. geological contact at 225n with a resistive and chargeable unit to the north. Insufficient coverage to north to delineate resolve this anomaly.

#### Line 300E

- -strong, chargeability, 8X background centred at 88N
- -quite conductive
- -in contact with narrow resistive unit to south at ON
- -northern resistive unit detected on above lines not covered

### Line 400E

- -strong chargeability, 5X background centred at 100N
- -anomaly is conductive
- -the same narrow resistive unit on the south flank of the anomaly exists, but with a coincident moderate chargeability response. This zone is centred at 50s.
- -conductive zone centred at 1875, with no chargeability response could be shear or fault zone. Would probably have a VLF-EM response, but does not appear to be mineralized.
- -there is a resistive unit from 225S, open to the south, which has an elevated chargeability background. There is insufficient coverage to resolve this zone to determine if the higher chargeability is due to the rock type or mineralization.

#### Line 500E

- -strong chargeability, 6X background centred at 150N
- -anomaly is conductive
- -south flanking resistive zone detected on above lines is not apparent
- -the southern conductive and resistive zones were not covered.

It should be noted that the main chargeability anomaly is not as conductive on the two most western line surveyed, L100E and L225E. The chargeability response is relatively constant on all lines with an approximate 3-4 times background. If indeed the causative source of the chargeability anomaly is sulphides, the consistent chargeability response with a decrease in conductivity in the west part may indicate an increase in sphalerite content and a decrease in pyrite content. Obviously, this would be the most favourable explanation but it is speculative at this point.

Results of the I.P. Survey should be correlated with all other available data. If it is thought that the anomalies could be the source of the anomalous Zn/Pb soil anomalies, they should be explained by trenching and or diamond drilling.

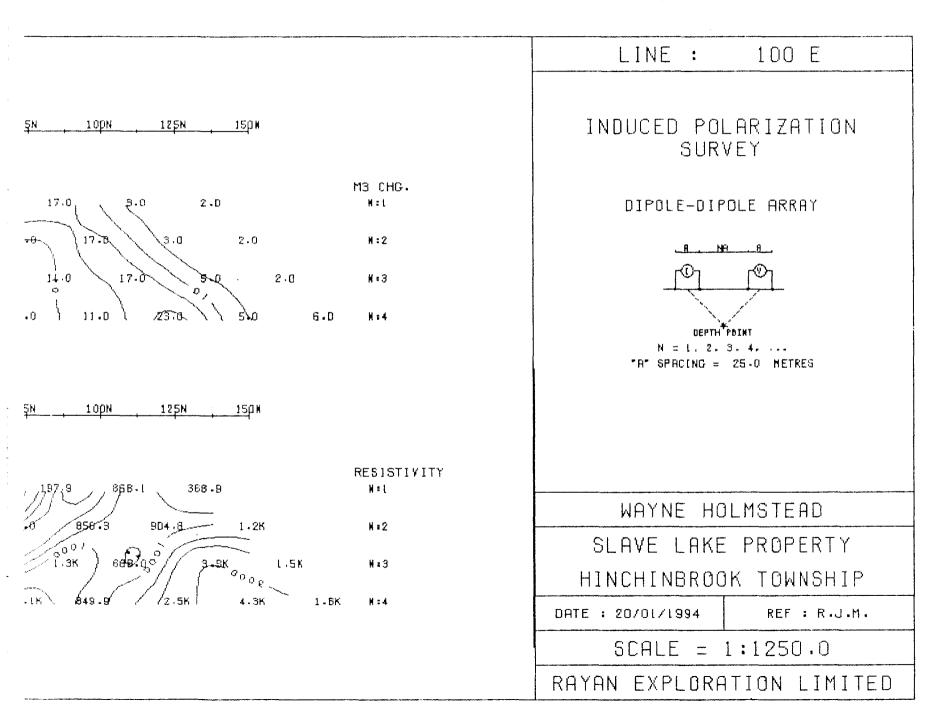
#### CERTIFICATION

- I, Raymond Joseph Meikle of Timmins, Ontario hereby certify that:
- 1. I hold a three year Technologist Diploma from the Haileybury School of Mines, Haileybury, Ontario, obtained in May 1975.
- 2. I have been practising my profession since 1973 in Ontario, Quebec, Nova Scotia, New Brunswick, Newfoundland, NWT, Manitoba, Germany and Chile.
- 3. I have been employed directly with Teck Corporation, Metallgessellschaft Canada Ltd. Sabina Industries, .S. Middleton Exploration Services Ltd., self employed 1979-1985 (Rayan Exploration Ltd.) and currently with Rayan Exploration Ltd.
- 4. I have based conclusions and recommendations contained in this report on knowledge of the area, my previous experience and on the results of the field work conducted on the property during 1994.
- 5. I hold no interest, directly or indirectly in this property, nor do I expect to receive any interest or considerations from the property, other than professional fees.

Dated this 18th day of January, 1994 at Timmins, Ontario.

R.J. Meikle Rayan Exploration Ltd.

Figure 16: Hinchinbrooke Township: Pseudosection Line 100E



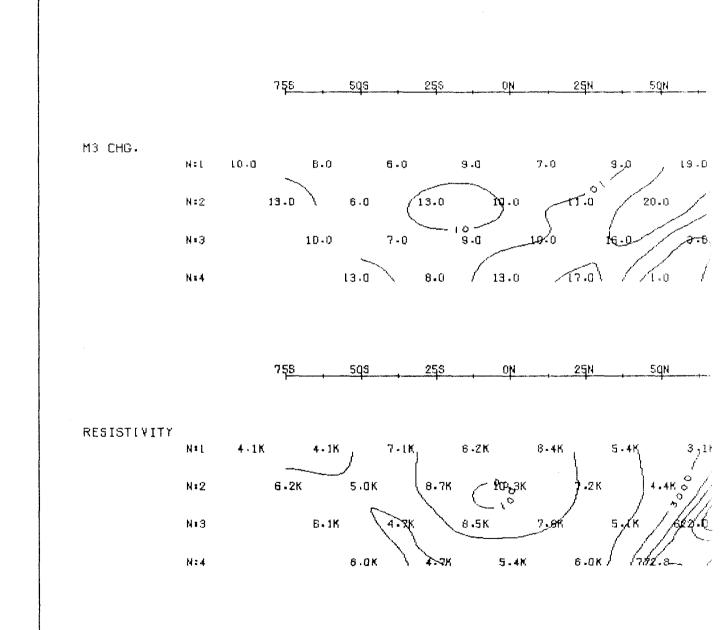
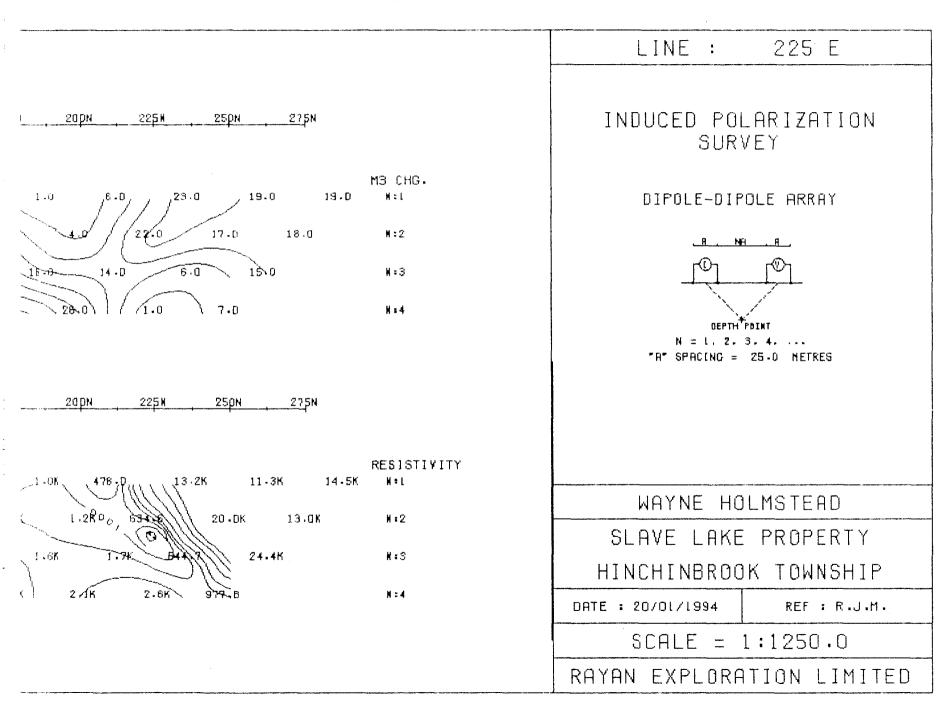
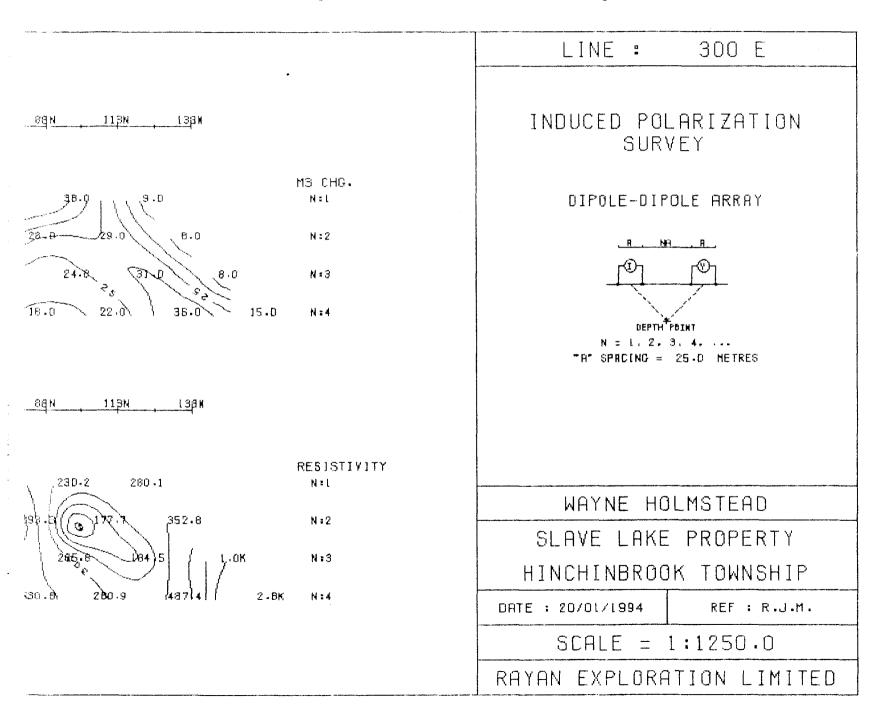


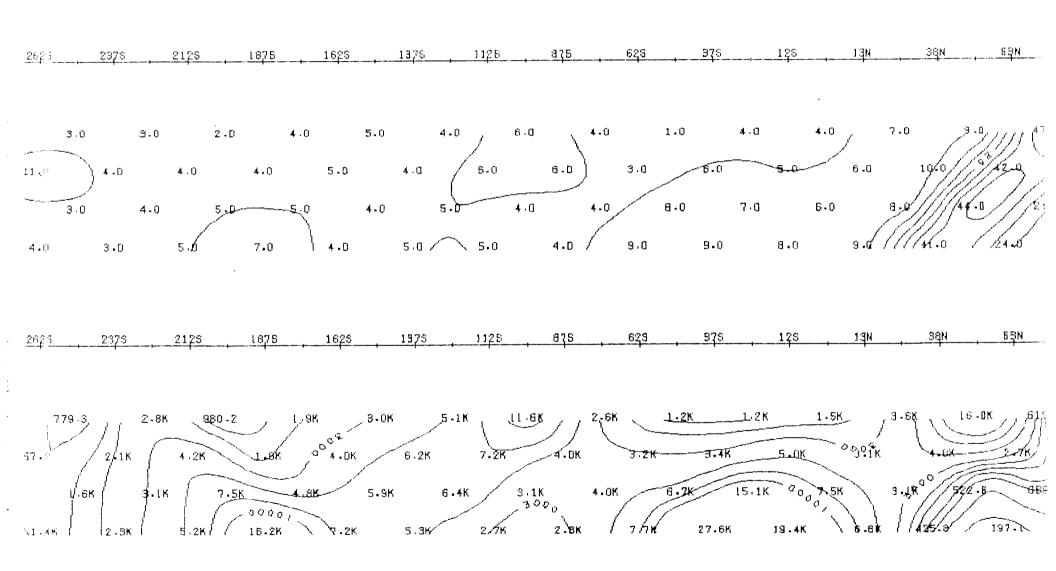
Figure 17: Hinchinbrooke Township: Pseudosection Line 225E



			5QN	75N	1 D D N	125N	тери	
M3 CHG.	N:1 N:2 N:3	6.0	6.0 6.0 12.0	h.d/	9.0 9.0 9.0 15.0 26.0	0 50 34.0 15.0	33.d %: 18.0	3
RESISTIVITY			5 <u>q</u> N .	75N	10pN	125H	, ι 5ρκ	·
	N=1 N=2 N=3 N=4	15 15.8K	18.8K	4,4K3°	5.1K 827.	.5K 925	462.7	.3K

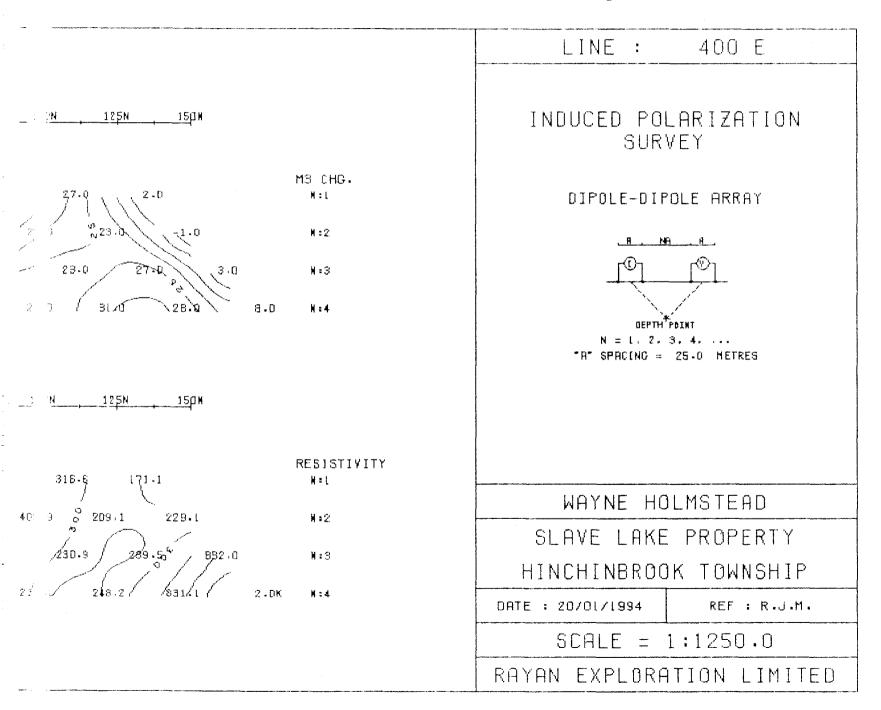
Figure 18: Hinchinbrooke Township: Pseudosection Line 300E

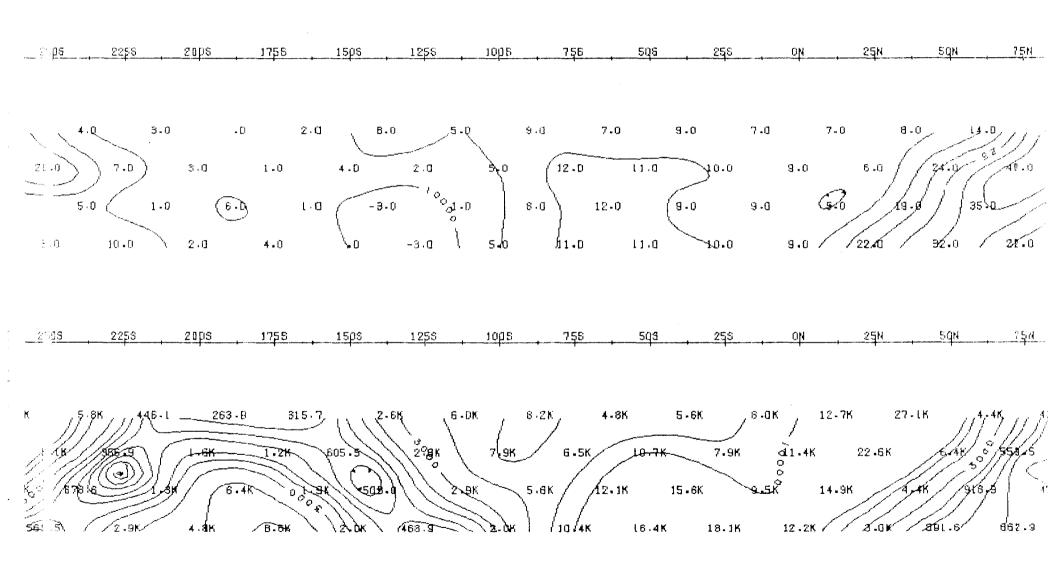




N:1 2.0 1.0 1.0 2.0  N:2 1.0 1.0 3.0 1.0  N:3 -1.0 9.0 2.0  N:4 1.0 2.0 3.0  N:4 1.0 2.0 3.0  RESISTIVITY  N:1 561.3 382.0 606.3 651.8  N:2 309.6 101k 2.4k 2.4k 2.4k 2.4k 2.4k 2.4k 2.4k 2.4				36 <u>75.</u>	•	3378	-4	<b>3</b> 128	<del>-</del>	2875	
N:3 -1.0 3.0 2.0  N:4 1.0 2.0 3.0  3625 3375 3123 2875  RESISTIVITY  N:1 561.3 362.0 606.3 651.8  N:2 308.6 10 fk 2.4k 2.4k	M3 CHG.	N:1	2.0		1.0		1.0		2.0		
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Figure 19: Hinchinbrooke Township: Pseudosection Line 400E





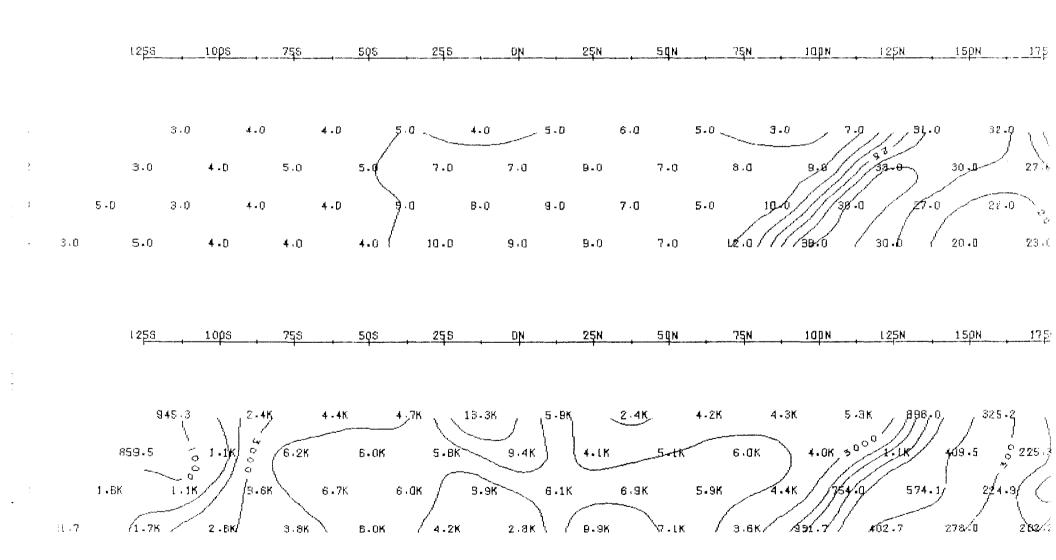
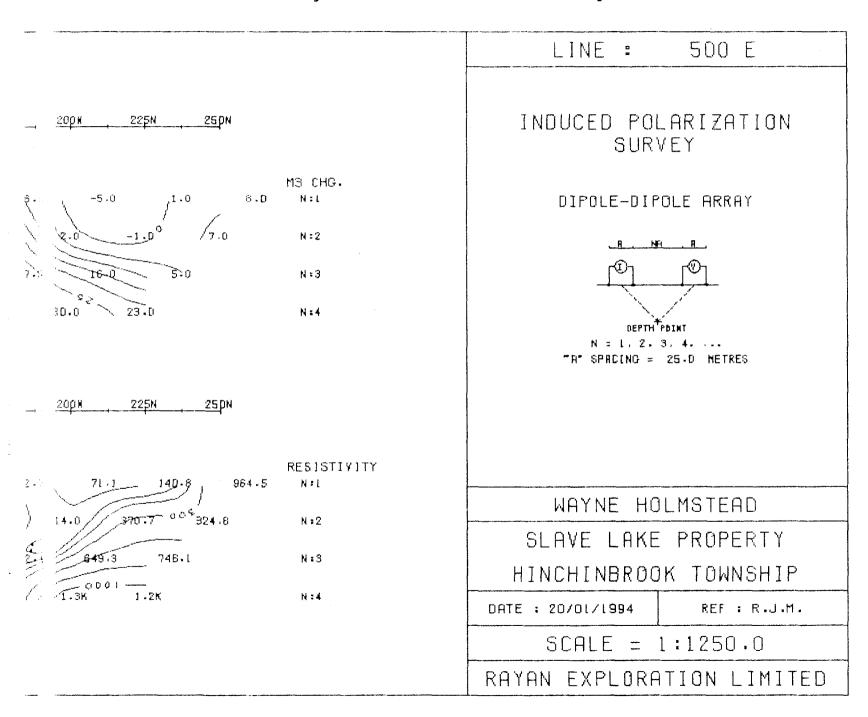
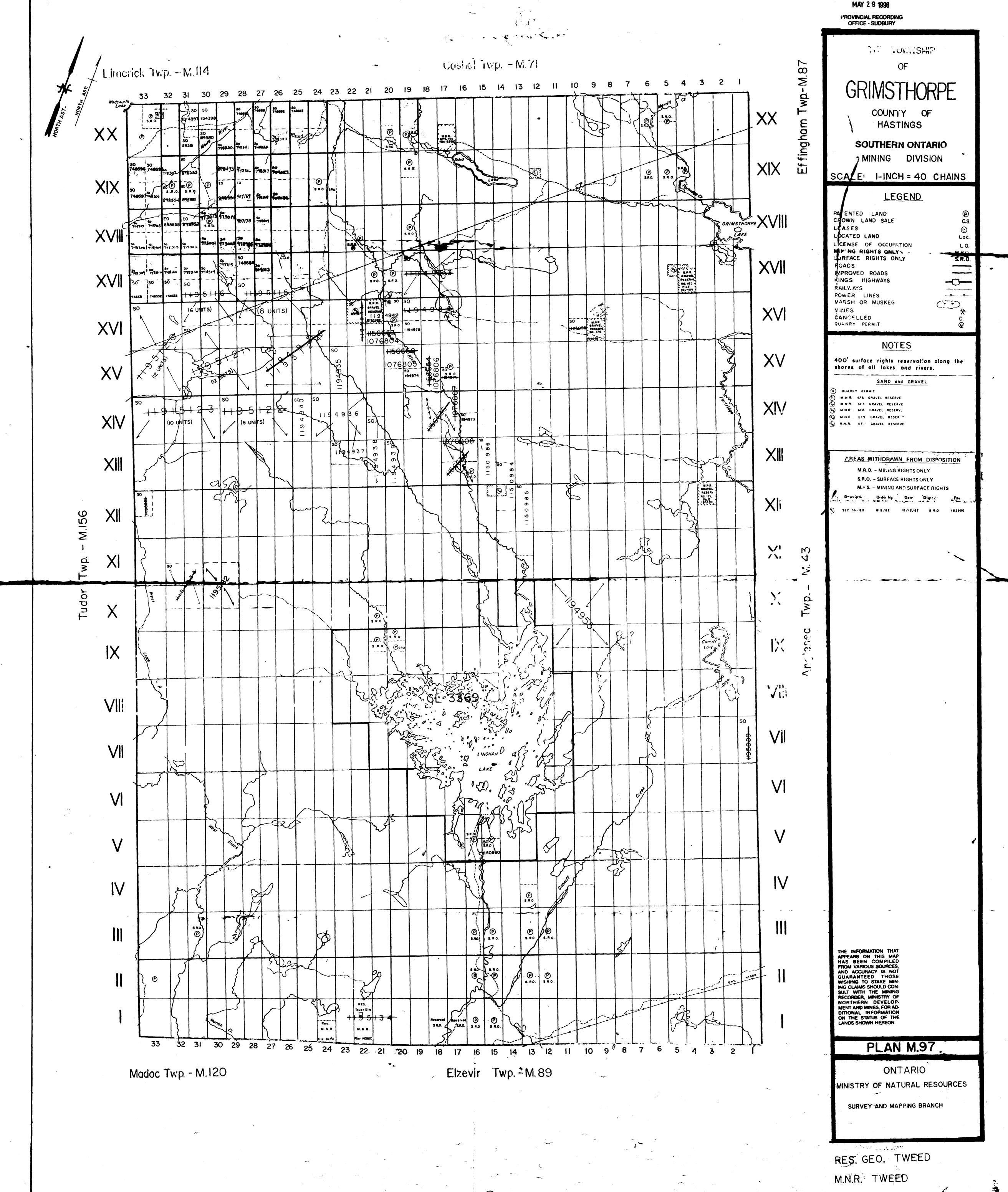


Figure 20: Hinchinbrooke Township: Pseudosection Line 500E

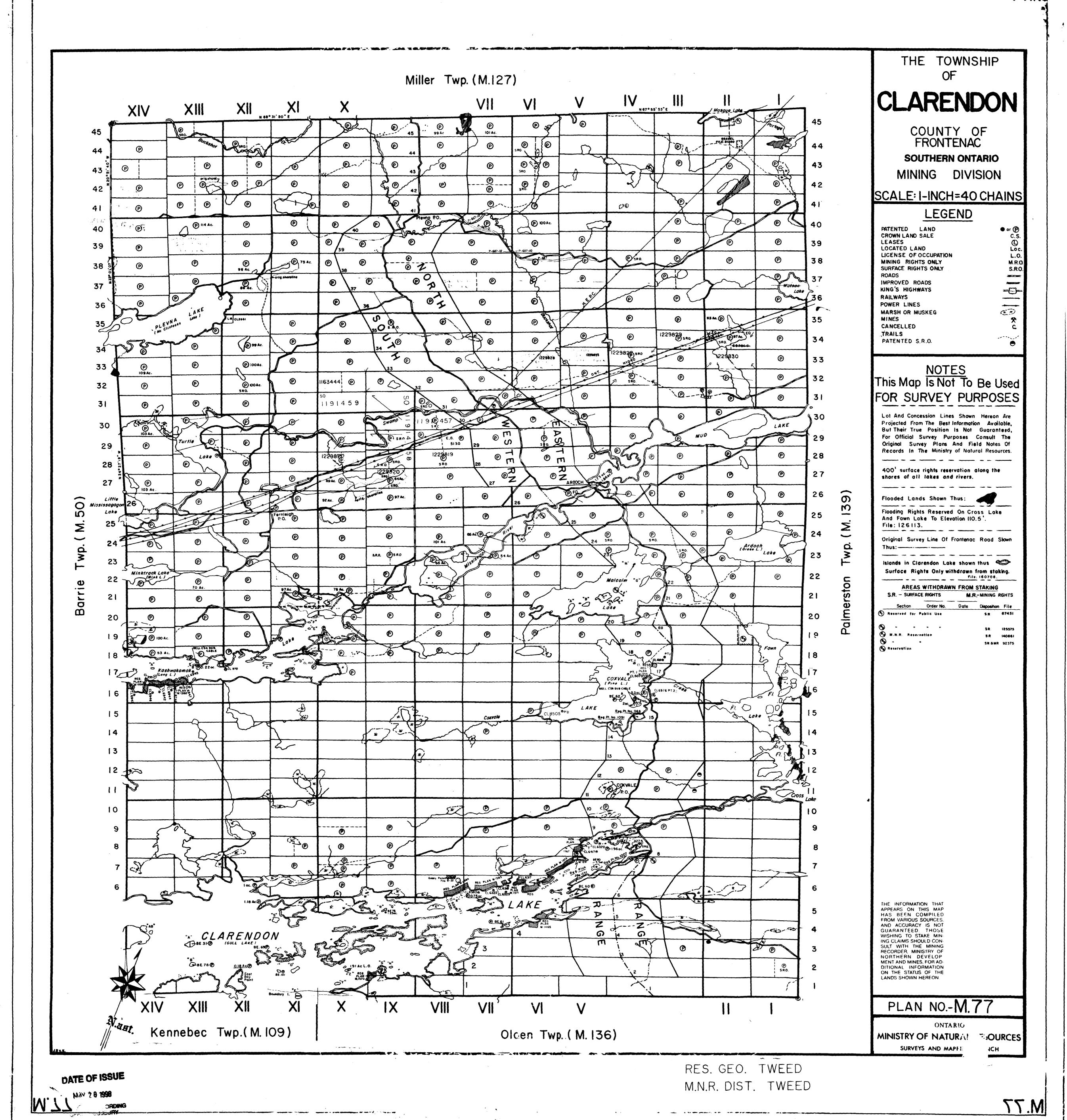


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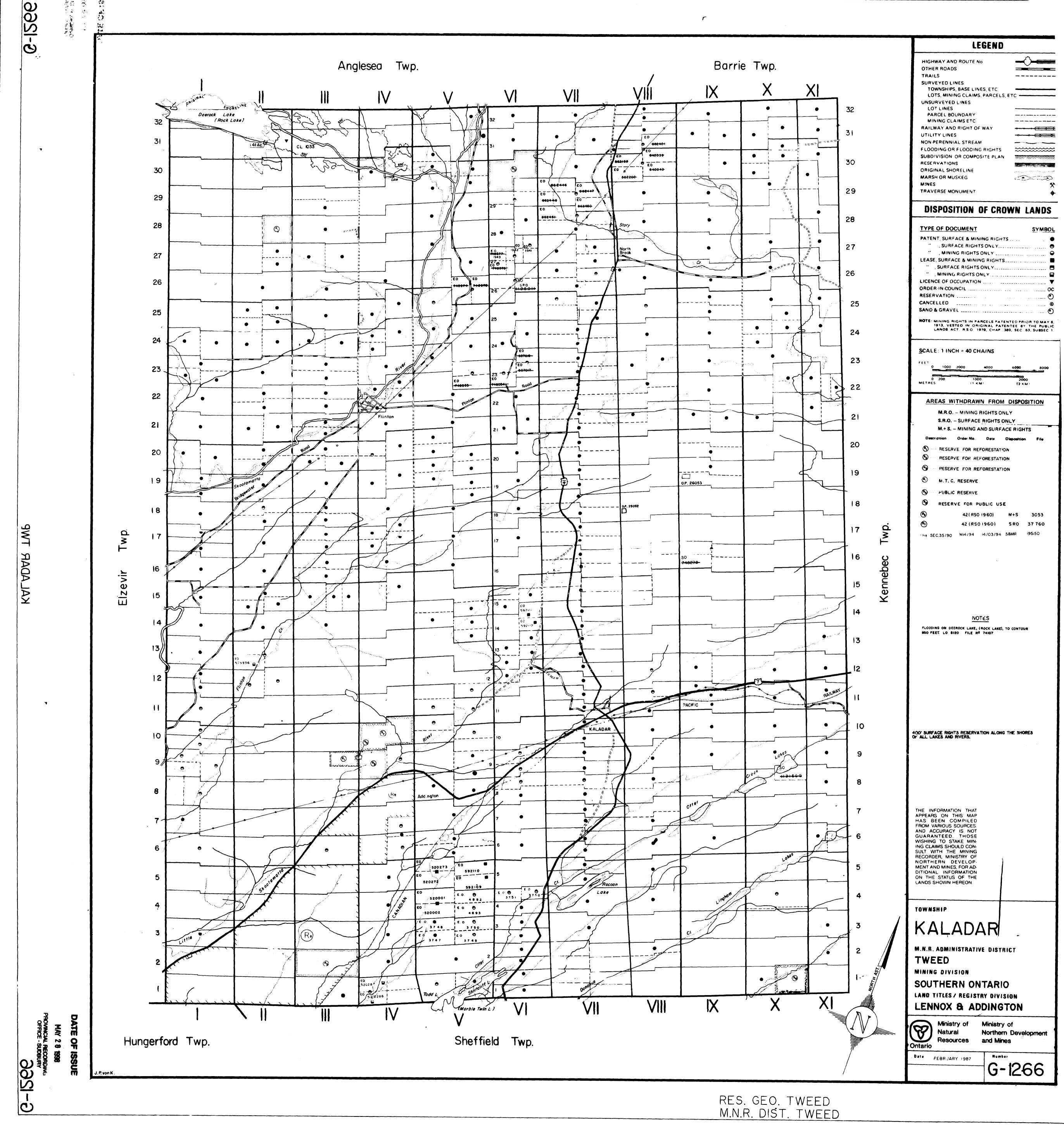
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400' Surtace rights reservation around all lakes & rivers. Areas withdrawn from staking under Section 43 of the Mining Act. R.S.O. 1970 Date Disposition 178312

APRIL 17/72

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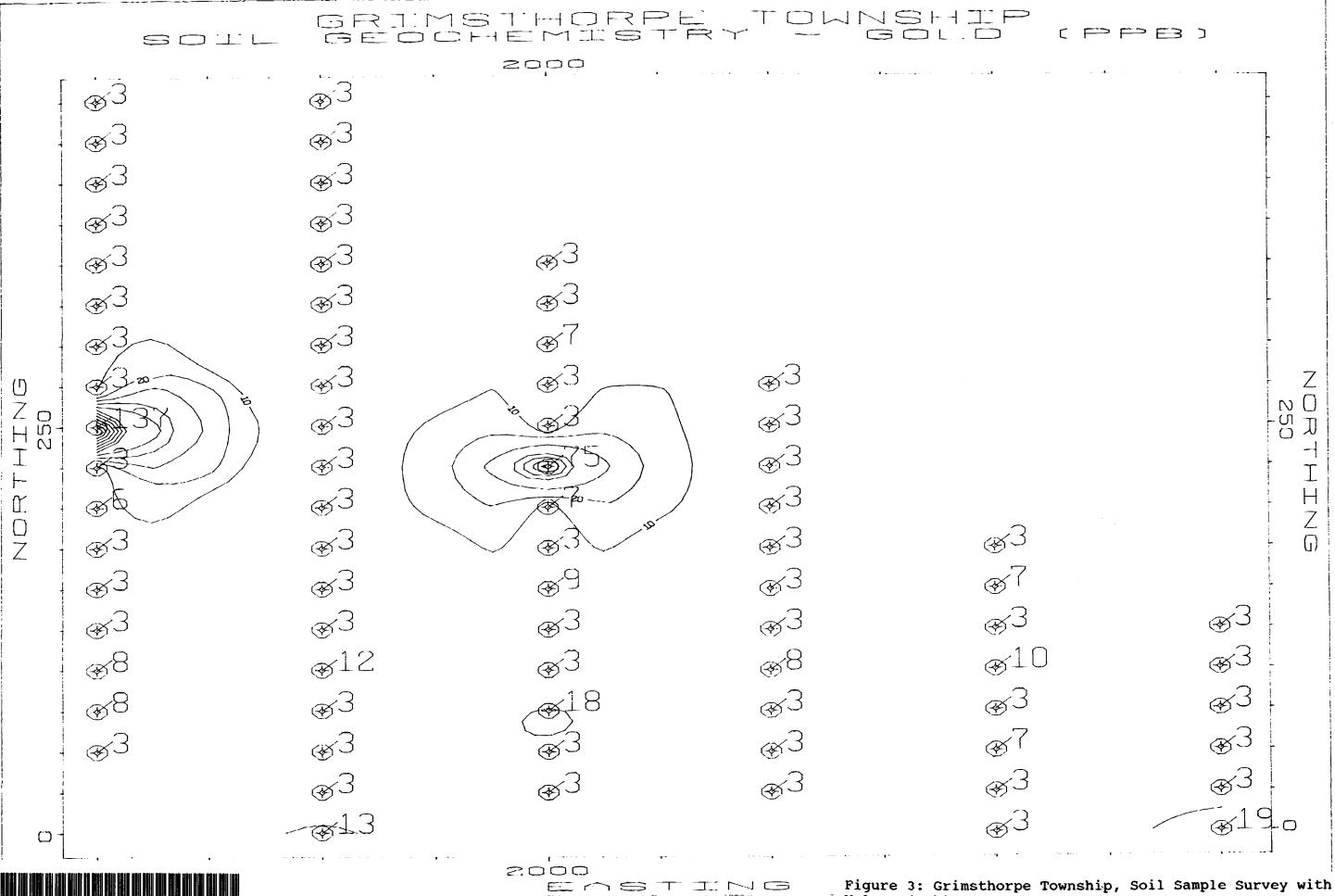
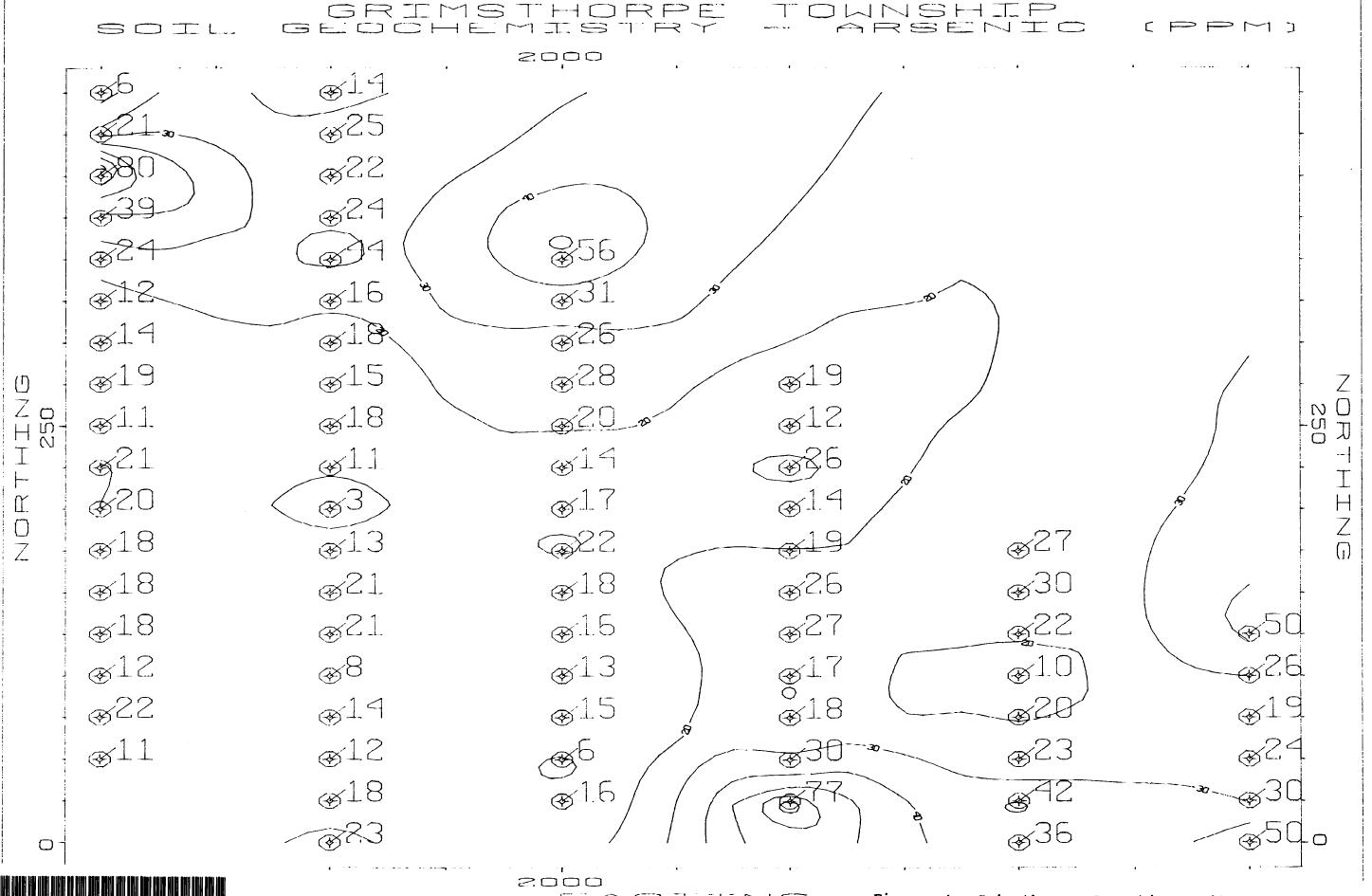




Figure 3: Grimsthorpe Township, Soil Sample Survey with Gold Values (ppb)





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Figure 4: Grimsthorpe Township, Soil Sample Survey with Arsenic Values (ppm)

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Figure 2: Grimsthorpe Township, Soil Sample Locations with Sample Numbers

TOWNSHIP -- COPPER GRIMSTHORPE GEOCHEMISTRY SOIL 2000 **€**27 **§**19 **3**4 **⊛**18 **⊛**33 <sub>- €</sub>39 -wiÓ **4**6 <del>6</del>75 · \$96 **€**51 **30**€2 **%**18 Z 250 **B P** O **\$4**4 **⊛**12 **€32** æ3i **⊛**33 **€20** H - **e0**€0 **⊛**29 **⊗** ( <del>@</del>13 W3/1 **⊛**34 (<sub>1</sub>) <del>-</del> <del>2</del>9 @15 . <sub>€</sub>23 **\$**53 **%**15 # 8i8 **⊛**16 **⊛**32 €24 **1**5 **⊗**31 <u>∞3i</u> <u>-</u> <u></u> **©**14 **⊛**18. **%**17 **3**70 **⊛**39 **⊕**20, **%**16 - 17 **€**34 . <sub>@</sub>29 **⊛**16. #38° **⊗**27 **⊛**39 **253 €**66 **⊛**13 o €23 2000 MASTING

Figure 5: Grimsthorpe Township, Soil Sample Survey with Copper Values (ppm)



Figure 7: Clarendon Township, Soil Sample Locations with Sample Numbers

CLARENDON TOWNSHIP SOIL GEOCHEMISTRY - GOLD 250 **-** О 500 1.000



Figure 8: Clarendon Township, Soil Sample Survey with Gold Values (ppb)

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Figure 9: Clarendon Township, Soil Sample Survey with Arsenic Values (ppm)

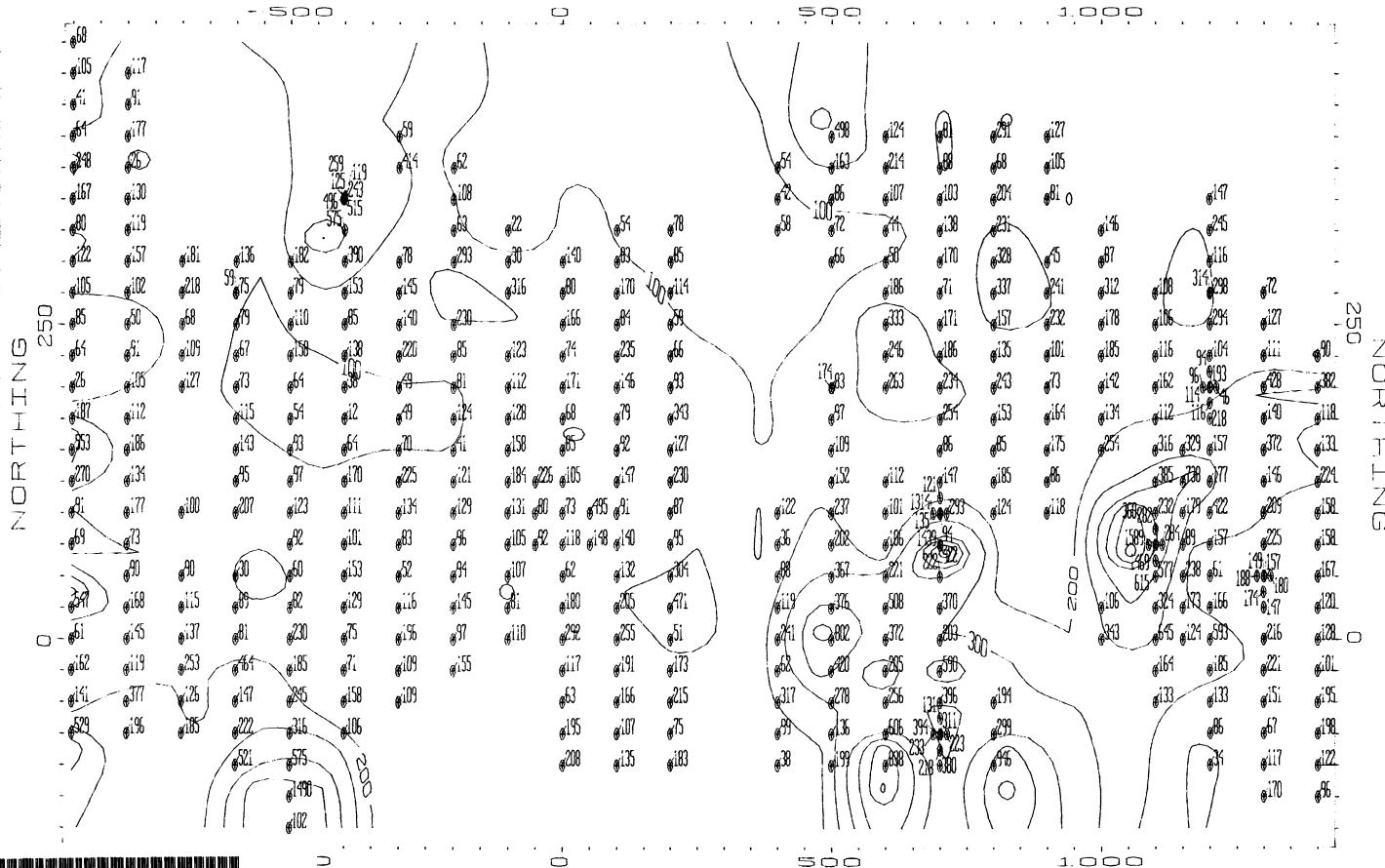
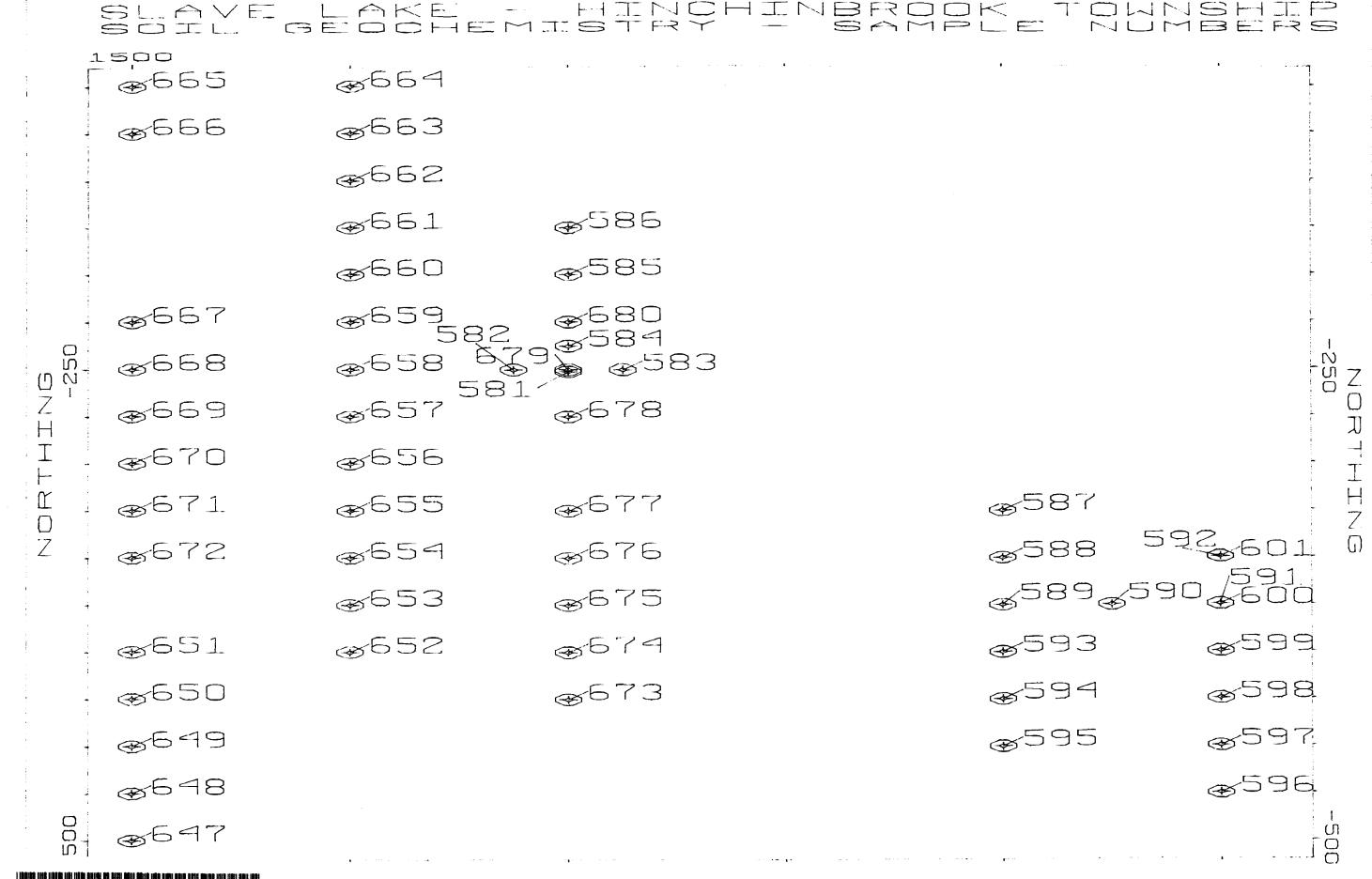




Figure 10: Clarendon Towns

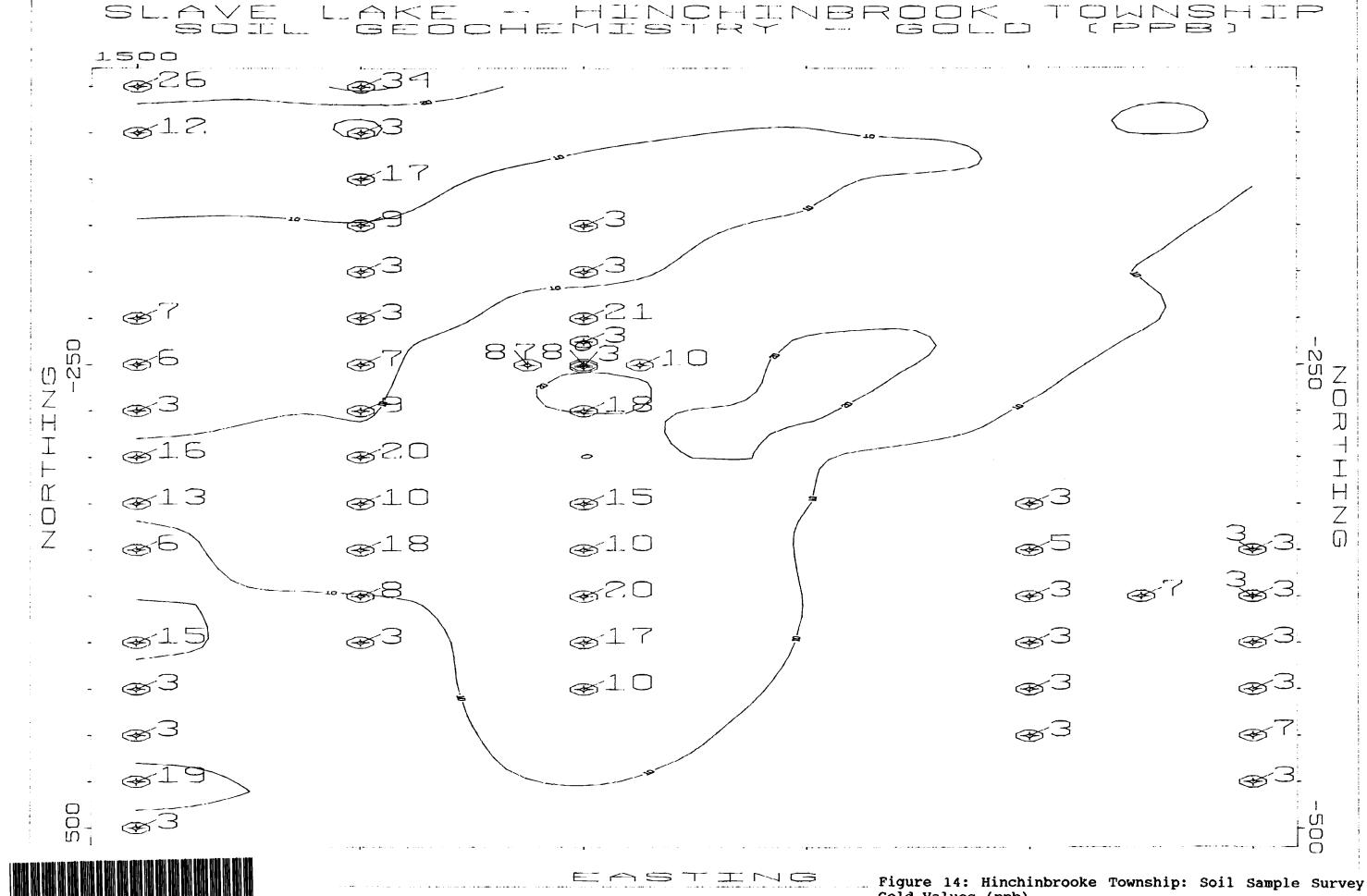
Figure 10: Clarendon Township, Soil Sample Survey with Zinc Values (ppm)



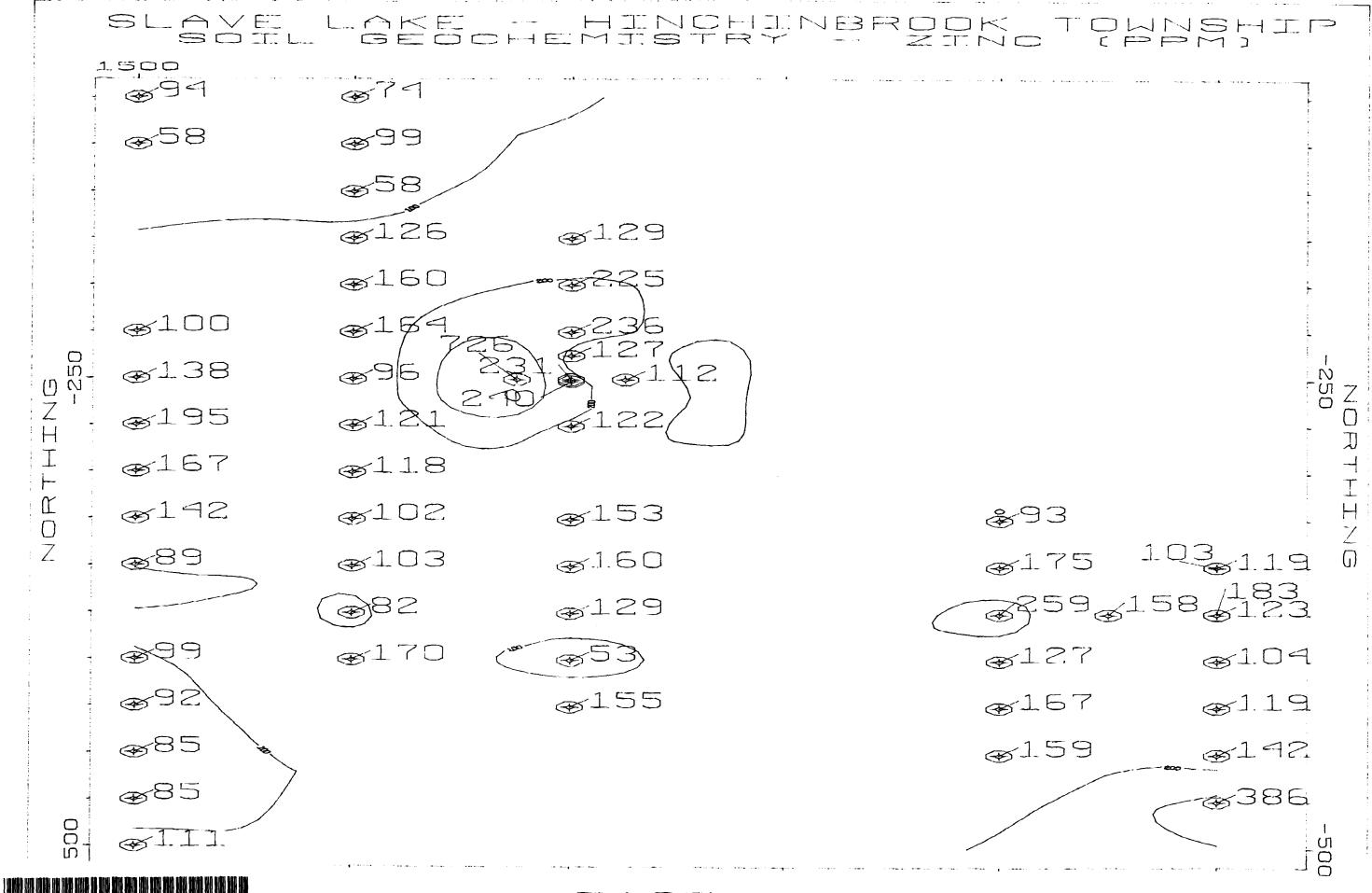


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Figure 13: Hinchinbrooke Township: Soil Sample Locations with Sample Numbers









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Figure 15: Hinchinbrooke Township: Soil Sample Surve Zinc Values (ppm)