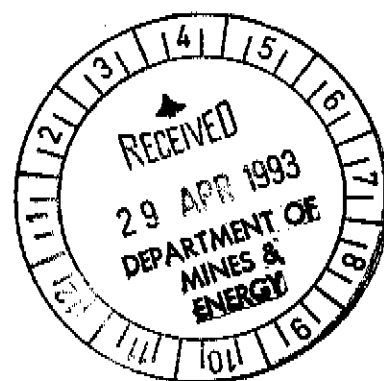


SEL 7707

ANNUAL EXPLORATION REPORT

To April 1993

Pine Creek Sheet SD 52.08 Burrundie 14/6-IV, 5270.4



Compiled for Northern Gold NL
by Warren Cooper
April 1993

OPEN FILE

CR 93 / 291

SUMMARY

Exploration on SEL 7707 was designed to assess the potential of the tenement for hosting gold and base metal mineralisation.

A program of detailed soil sampling was carried out over an area defined by previous workers as containing anomalous Au mineralisation. This area contains numerous small workings that appeared to have exploited Sn and possibly Au.

Results of the soil sampling program returned values of up to 2333 ppb Au, 259 ppm Cu, 75 ppm Zn, 289 ppm As and 710 ppm Sn. Two zones of anomalous Au were defined that are open to the south and to the north of the area sampled. Another zone contained anomalous soil results for As, Cu and Zn and is open to the north

Results of the sampling program were encouraging and further detailed work is required to define the extent and nature of the anomalous zones identified. Further detailed mapping and soil sampling, combined with rock chip sampling possibly followed by shallow drilling or costeaning is required to test the extent of the sub-surface mineralisation.

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1 INTRODUCTION

1.1 Title and location

SEL 7707 was granted on 31st March 1992 to Mr RM Biddlecombe for a period of three years. The licence covers 34 blocks (106 sq km) and had an expenditure covenant of \$35,000 for the first year of tenure. The tenement is managed by Northern Gold NL under a farm-in agreement with Mr RM Biddlecombe.

SEL 7707 is located around Emerald Springs (Fig. 1) within the Cullen Mineral Field. Access to the tenement is from the Stuart Highway via bush tracks.

SEL 7707 lies within the Mary River Pastoral Lease (PL 815).

1.2 Previous Work

A Search of the Department of Mines and Energy open file records was undertaken to determine the extent of exploration undertaken to date on the tenement.

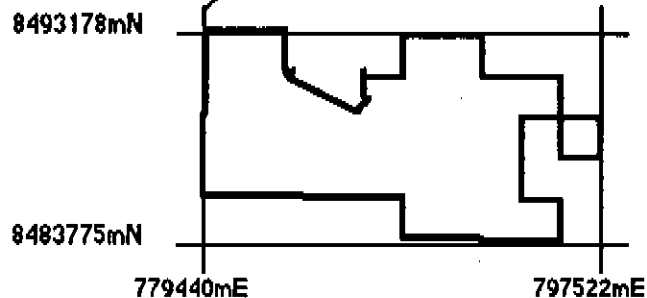
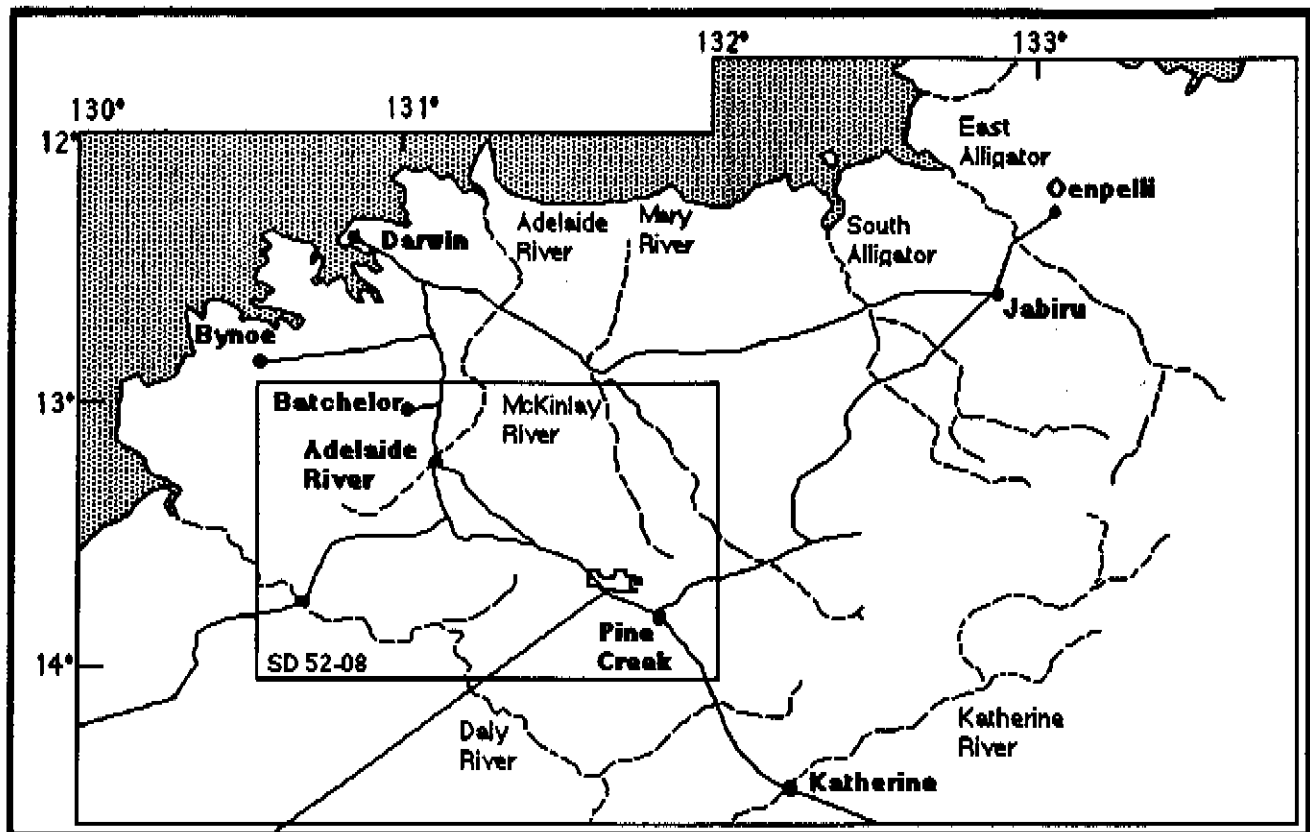
The western half of the tenement overlies the McMinns Bluff Granite and has been partially explored for Sn and W. No significant occurrences were defined (CR90/690) although elsewhere within the tenement old alluvial workings within the granitic rocks do occur.

Old workings occur in the sediments and intrusives in the eastern half of the tenement and appear to have exploited small quartz vein occurrences of Sn and possibly Au. Alluvial workings within creeks draining these areas are common. Previous detailed exploration over the eastern half of the tenement has been targeted at epigenetic or syngenetic gold and base metal mineralisation.

Enterprise Gold Mines N.L explored EL 5126, which is contained within SEL 7707, for gold and base metals (Enterprise Gold Mines N.L 1989). Exploration consisted of mapping, stream sediment sampling, rock chip sampling, soil sampling and costeaning. The rock chip sampling identified anomalous Au values in the north-eastern portion of the tenement. This area was soil sampled and costean sampled. Results were not encouraging and the tenement was relinquished.

EL 5050, which is now covered by SEL 7707, was explored by Calvert River Manganese P/L for gold and base metal mineralisation (Ferguson 1988, 1989). Three areas (containing Au mineralisation) were defined by rock chip sampling and mapping. Up to 3.6 ppm Au were returned from quartz veins and associated wallrock from the Ridgetop area where numerous old workings are evident along an anticlinal axis. Although further work, including drilling, was recommended, the ground was relinquished.

Northern Gold targeted the Ridgetop area defined by Ferguson 1988.



EL 7707 (SEL)

Snaddens Creek

Date granted:- 31/3/1992

Expiry date:- 30/3/1995

Report date:- 30/4/1993

Reduction date:- N/A

Rent:-\$220

Covenant:-93- \$35,000

Size:- 22 Bl.

1KM

Figure 1

2 GEOLOGY

2.1 Regional Geology

SEL 7707 is situated within the Pine Creek Geosyncline, a tightly to isoclinally folded sequence of mainly pelitic and psammitic Lower Proterozoic sediments with interlayered tuff units. All the lithologies in the area have been metamorphosed to low, and in places medium grade, metamorphic assemblages. For the purposes of this report the prefix meta is implied, but omitted from the rock names and descriptions.

The sequence has been intruded by pre-orogenic dolerite sills of the Zamu Dolerite and a number of late syn-orogenic to post-orogenic Proterozoic granitoids. Largely undeformed Middle and Late Proterozoic, Palaeozoic and Mesozoic strata as well as Cenozoic sediments and laterite overlie the Pine Creek Geosyncline lithologies.

2.2 Local Geology

The local geology is dominated by sediments of the South Alligator and Finnis River Groups, and by granitic rocks of the syn-orogenic Cullen Batholith. The sediments have been intruded by pre-orogenic sills of the Zamu dolerite and folded into tight SE plunging folds.

The western portion of the tenement is dominated by the Mcminns Bluff Granite, a coarse porphyritic adamellite, that is preserved as low relief hills commonly covered by sandy alluvium and soils. The granite caused hornfelsing of the sediments along the contact zone. The sediments in the eastern portion of the tenement are mainly pelitic with units of ferruginous and carbonaceous shale and siltstone, chert, tuff, quartzite and phyllite. Quartz veins cut all lithologies and are generally white bucky veins generally sub-parallel to the regional axial planar cleavage.

Old working in the area consist of alluvial diggings in creeks that incise both the sediments and granite, and numerous shallow pits and shafts on gossanous quartz veins within the sediments and dolerite. The hard rock workings generally form linear trends sub-parallel to anticlinal axis and appear to have exploited dominantly quartz vein hosted Sn mineralisation although Au mineralisation occurs within some of the old workings.

3 EXPLORATION COMPLETED

Northern Gold completed a soil sampling program designed to test the extent of the Au anomaly defined by previous workers. This area was determined as having the best potential for hosting any significant mineralisation. The area sampled was termed Ridgetop by Ferguson 1988.

3.1 Soil Sampling

Detailed soil sampling was conducted along a 2.8 km base line with sample lines spaced every 100 meters. Samples were collected every 20 meters and composited to 40 meters for 200 meters either side of the base line. Approximately 2 kg of soil sieved to -6mm was collected for each of the samples. A total of 292 samples including duplicates were collected and sent to Assaycorp in Pine Creek for analysis. Samples were analysed for Au (BLEG) and for Cu, Pb, Zn, As and Sn (AAS).

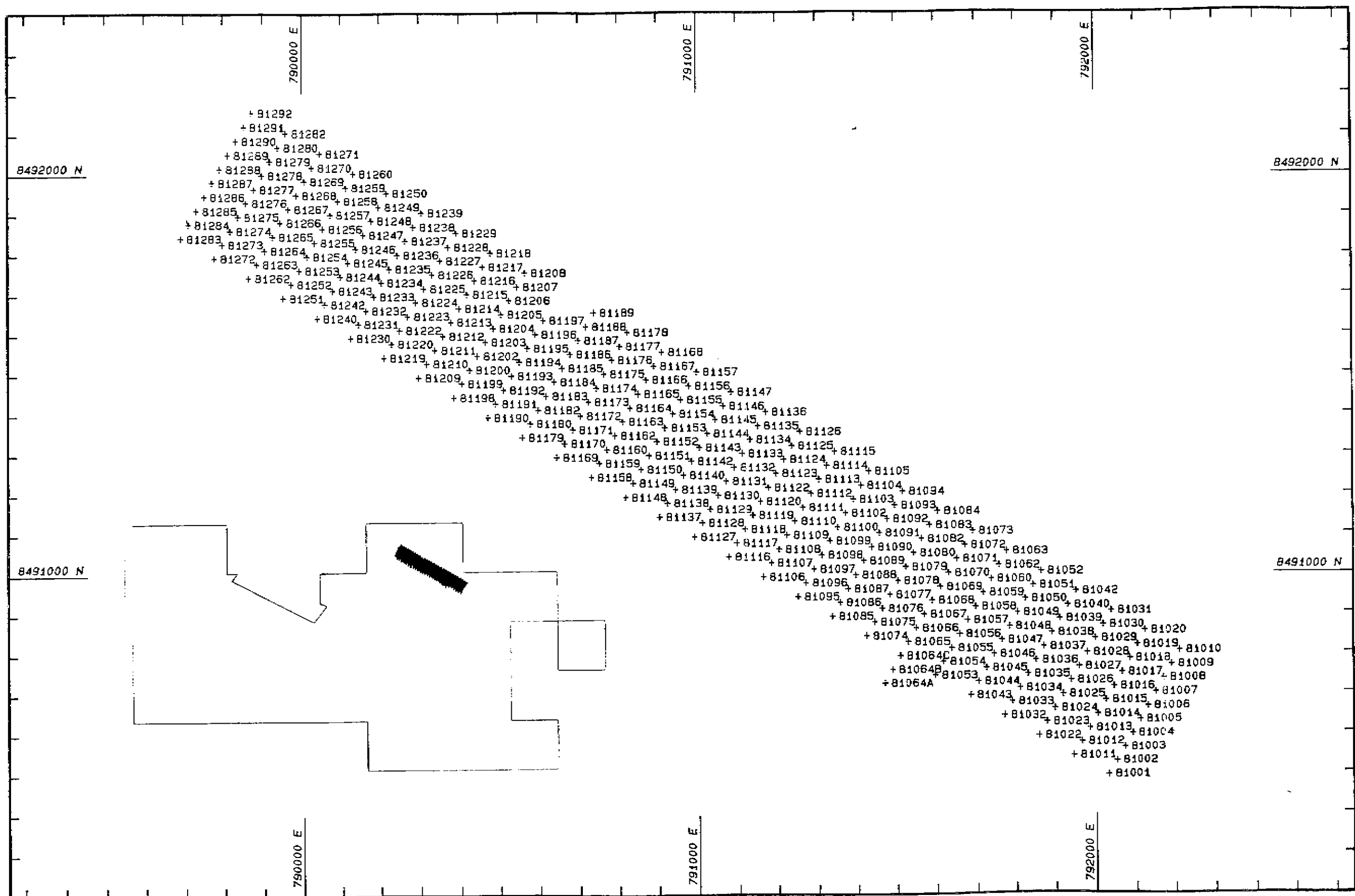
3.2 Results

Soil sample locations are presented in Figure 2 and Appendix 1 with results for Au, As, Cu, Pb and Zn as Figures 3 to 7.

The results for Au show an anomaly with values of up to 2333 ppb Au that is 700 meters long by 250 meters wide with values generally between 10 and 100 ppb Au (Figure 3, Anomaly 1). This anomalous zone is spatially associated with old workings and the mineralised quartz veining identified by previous workers (Ferguson 1989). Located along an anticlinal axis where siltstone and dolerite are exposed the Au soil anomaly has spatially associated Cu, Zn and Sn low order anomalism (Figures 5,6 and 7).

The second Au anomaly is evident in the central portion of the area sampled and is defined by 10 to 50 ppb Au soil results (anomaly B). This anomalous zone is up to 1.3 km long and 400 meters wide and has an associated smaller Sn soil anomaly to 710 ppm (Figure 7). The broad diffuse nature of the anomaly makes it hard to define the source of the mineralisation although an anticlinal axis with old workings is observed to strike through the center portion of the anomaly.

The north-western end of the sampled area has a well defined Cu, As and Zn anomaly that is 800 meters long by 250 meters wide and is defined by up to 259 ppm Cu, 289 ppm As and 71 ppm Zn (Figures 4,5 and 6). The source of this anomaly is unknown and will be field checked during the following years work.



Plotted with  MICROMINE Resources Software Perth, Australia Tel +61 8 396 8722 Fax +61 8 396 7462	NOTES: 0 to 99999		SCALE 1: 10000	DATE 16/04/93 REF No.	SHEET 1 of 1	EL 7707 SOIL SAMPLE LOCATION FIGURE 2	Northern Gold NL
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Figure 2

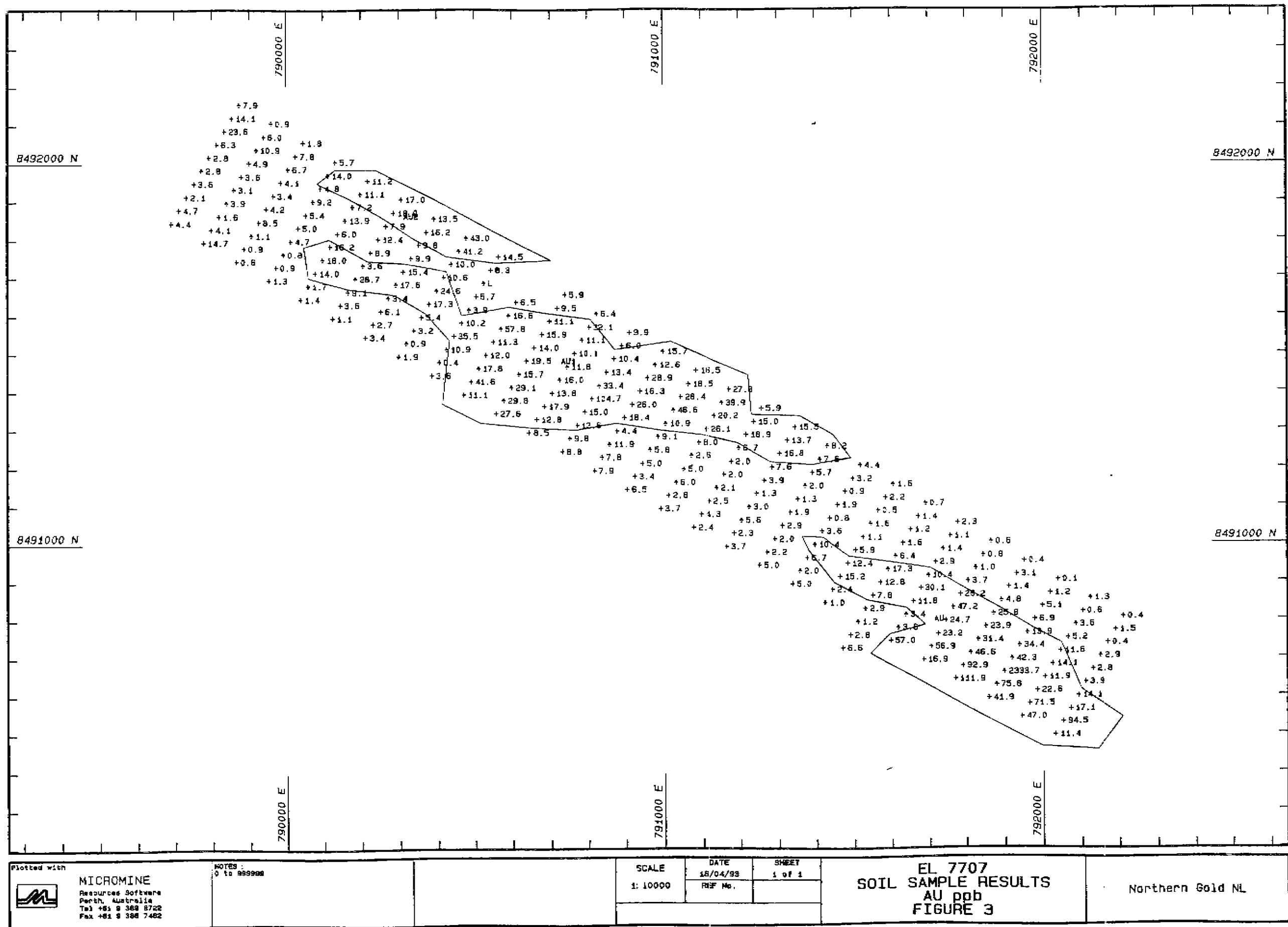


Figure 3

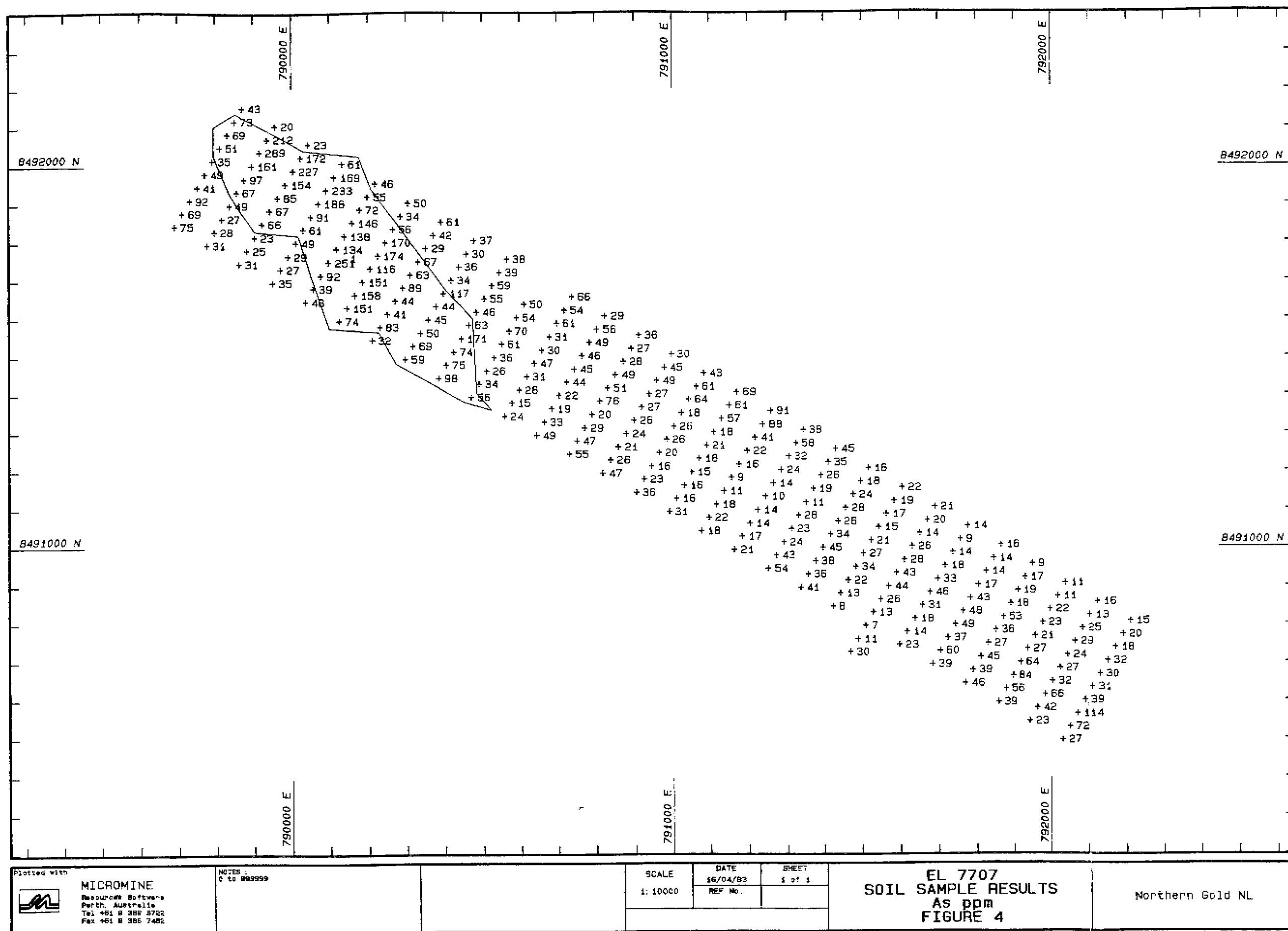


Figure 4

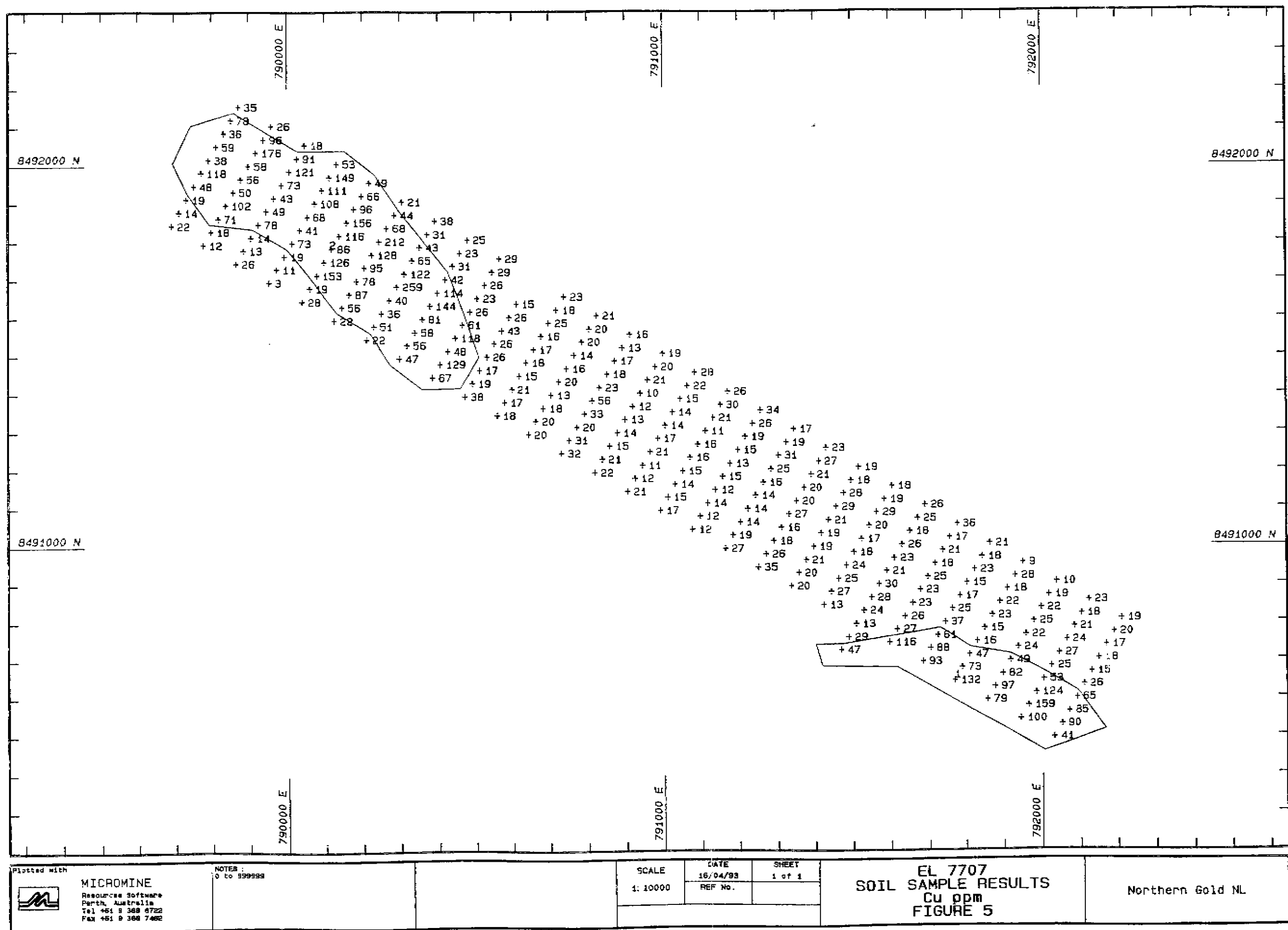


Figure 5

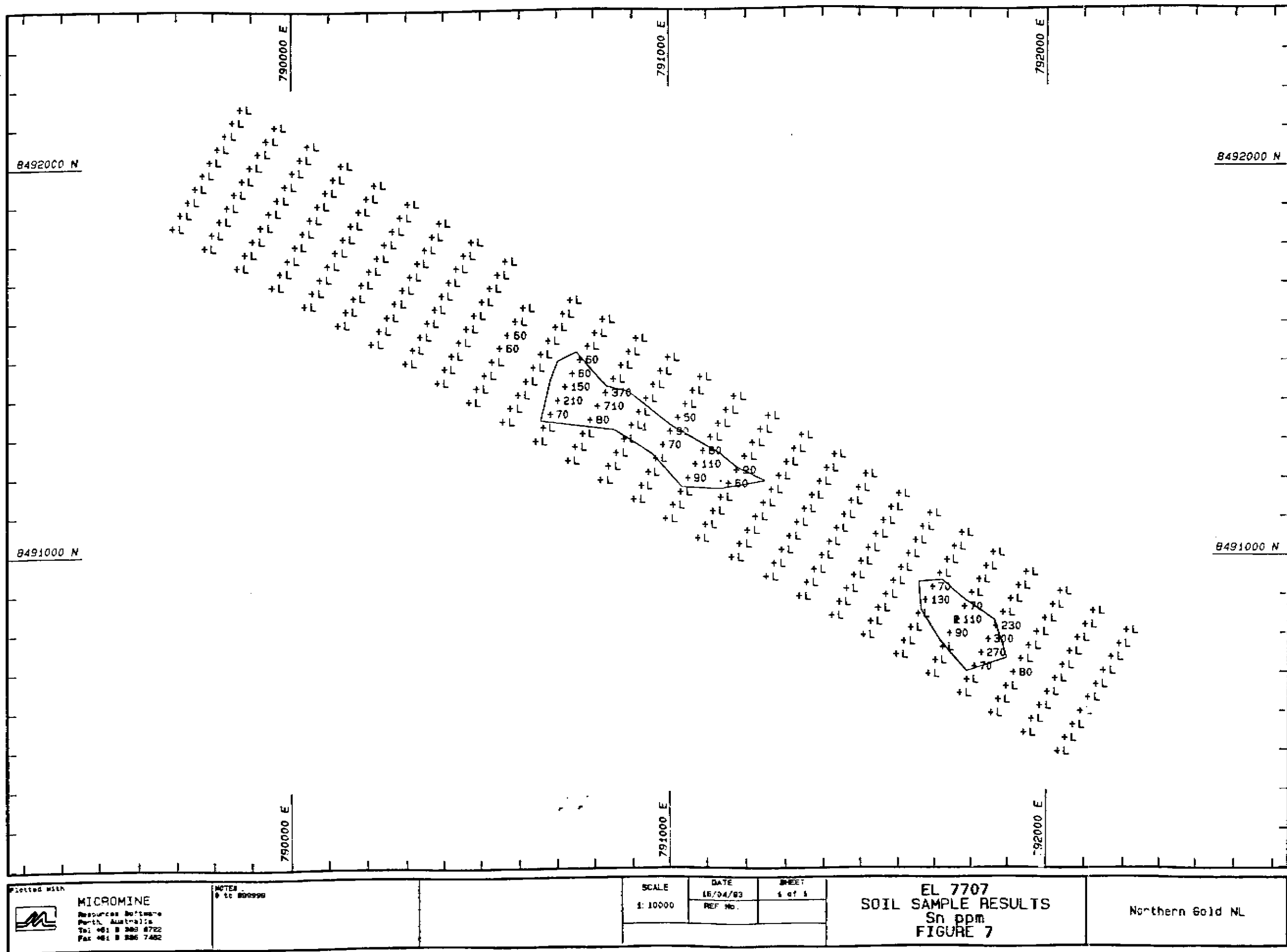


Figure 7

3.3 Aeromagnetics

Northern Gold purchased aerial geophysics of the Pine creek area from Aerodata. (This data set included magnetic data and uranium and potassium radiometric data.) Sel 7707 lies within the area covered by the geophysics. The survey had the following specifications.

Aircraft	Rockwell Shrike Commander 500S
Magnetometer	Scintrex V201 Split Beam Cesium
Vapour	Resolution: 0.04 nanoTesla Cycle Rate: 0.2 second Sample Interval: 14 meters
Spectrometer	256 Channel Geometrics Exploranium GR800B
Processed Channels:	Total Count 0.4 - 3.01 MeV K40 1.37 - 1.56 MeV Bi214 1.67 - 1.86 MeV Tl208 3.02 - 6.00 Cosmic 3.02 - 6.00 Volume: 33.56 litres Cycle Rate: 1.0 second Sample Interval: 70 meters
Data Acquisition	Hewlett Packard 9000 Series Computer Aerodata Digital Data Acquisition System.
Flight Line Spacing	Traverse Lines: 200 meters Tie Lines 5000 meters
Flight Line Direction	Traverse Lines: 090-270 degrees Tie Lines: 180-360 degrees
Survey Height	70 meters - mean terrain clearance
Navigation	Syledis UHF positioning system.

3.4 Aeromagnetic Results

Results of the geophysics were used primarily as imaged processed data for regional interpretation of exploration concepts. These images are not suitable to submit in a individual Licence report as the information affects many other areas and possible future targets. However, a copy of the Total field magnetic intensity contour map of the licence is included as Appendix 2.

4 CONCLUSIONS

The initial soil sampling of an area defined as containing mineralised quartz veins within SEL 7707 produced encouraging results. Coincident polymetallic anomalies were defined with the strong southerly Au/Cu anomaly open to the south. Further work, consisting of mapping, further soil sampling and rock chip sampling is needed to test the extent of the mineralisation. Further exploration over the rest of the tenement is required

5 REFERENCES

CR90/690, 1990. Final Report Exploration Licence 6595. The Possum Gold Mining Co Ltd. Northern Territory Department of Mines Open File Report.

Ferguson, K. 1988. Annual Report for Calvert River Manganese P/L. EL 5050 - Emerald Springs East, Pine Creek Area, Nt. Northern Territory Department of Mines Open File Report.

Ferguson, K. 1989. Annual Report for Calvert River Manganese P/L. EL 5050 - Emerald Springs East, Pine Creek Area, Nt. Northern Territory Department of Mines Open File Report.

Enterprise Gold Mines N.L. 1989. Snaddens Creek Joint Venture, Exploration Licence 5126, Northern Territory, Final Report. Northern Territory Department of Mines Open File Report.

6 EXPENDITURE

Expenditure on SEL 7707 during the first year of tenure totalled \$35,177. Details of this expenditure are listed below as Table 1.

Geophysics	\$10,000
Assays	\$6,056
Consumables	\$476
Motor Vehicle Costs	\$996
Field Expenses	\$975
Wages	\$3,490
Salaries	\$5,500
Mapping	\$179
Report & Plan Preparation	\$470
Subtotal	\$28,142
10% NT Administration	\$2,814
15% Head Office Administration	\$4,221
<u>TOTAL</u>	<u>\$35,177</u>

Table 1.

7 PROPOSED WORK PROGRAM

The proposed work program for SEL 7707 in 1993 with estimated amount of exploration expenditure is shown as Table 2.

Follow up detailed mapping and rock chip sampling of the sampled area with a view to test the mineralised system with costeaning or shallow drilling is to be undertaken. Testing of the rest of the tenement by stream sediment, soil and rock chip sampling is also required.

Mapping	\$1,000
Drilling/Costeaning	\$6,000
Assays	\$5,000
Wages & Consumables	\$2,000
Supervision & Geology	\$2,000
Administration & Reports	\$1,000
<u>TOTAL</u>	<u>\$17,000</u>

Table 2

APPENDIX 1

Soil Sample Results

ASSAYCORP PTY LTD

A.C.N. 052 982 911

174 Ward Street, Pine Creek, N.T. 0847

P.O. Box 41, Pine Creek, N.T. 0847

Telephone (089) 76 1262

Facsimile (089) 76 1310

ASSAY CODE: AC 05344

Northern Gold NL

SEL 7707 Soils

Distribution

Warren Cooper

81001 - 81105.

Client Reference: N 01446

Date Received: 09/12/1992

Project :

Number of Samples: 107

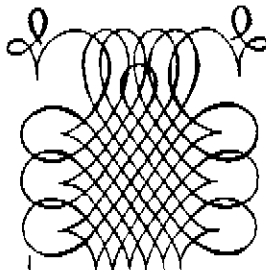
Cost Code:

Sample Preparation

Analysis	Analytical Technique	Precision & Accuracy	Detection Limit	Data Units
Au	BLEG/2kg	Prec. + 15%	0.1	ppb
Cu	AAS/MA-3	Prec. + 10%	2	ppm
Pb	AAS/MA-3	Prec. + 10%	2	ppm
Co	AAS/MA-3	Prec. + 10%	1	ppm
As	AAS/MA-3	Prec. + 10%	2	ppm
Sn	CCA/AAS	Prec. + 10%	50	ppm

Authorisation: Ray Wooldridge

Report Dated: 29/01/1993



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174 Ward Street, Pine Creek, N.T. 0847

P.O. Box 41, Pine Creek, N.T. 0847

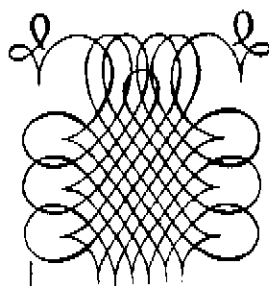
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Page 1 of 5

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81001	11.4	41	14	11	27	<50
81002	94.5	90	26	75	72	<50
81003	17.1	85	17	49	114	<50
81004	14.1	65	8	24	39	<50
81005	3.9	26	12	11	31	<50
81006	2.8	15	17	12	30	<50
81007	2.9	18	11	14	32	<50
81008	0.4	17	12	14	18	<50
81009	1.5	20	9	11	20	<50
81010	0.4	19	10	10	15	<50
81011	47.0	100	11	14	23	<50
81012	71.5	159	9	26	42	<50
81013	22.6	124	9	48	66	<50
81014	11.9	53	22	15	32	<50
81015	14.1	25	14	9	27	<50
81016	11.6	27	14	8	24	<50
81017	5.2	24	10	10	29	<50
81018	3.6	21	14	8	25	<50
81019	0.6	18	10	10	13	<50
81020	1.3	23	8	8	16	<50
81021	1.3	26	9	9	18	<50
81022	41.9	79	9	11	39	<50
81023	75.8	97	13	69	56	<50
81024	2333.7	82	11	13	84	<50
81025	42.3	49	22	11	64	80



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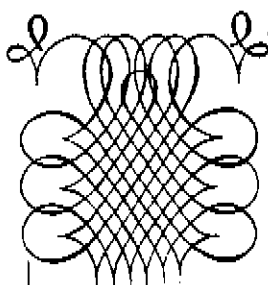
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Page 2 of 5

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81026	34.4	24	14	8	27	<50
81027	13.9	22	14	9	21	<50
81028	6.9	25	13	9	23	<50
81029	5.1	22	9	6	22	<50
81030	1.2	19	11	8	11	<50
81031	0.1	10	10	10	11	<50
81032	111.9	132	14	23	46	<50
81033	92.9	73	15	12	39	<50
81034	46.6	47	14	9	45	70
81035	31.4	16	12	6	27	270
81036	23.9	15	11	7	36	300
81037	25.8	23	12	6	53	230
81038	4.8	22	11	10	18	<50
81039	1.4	18	11	9	19	<50
81040	3.1	28	13	19	17	<50
81041	2.8	28	11	21	19	<50
81042	0.4	9	8	10	9	<50
81043	16.9	93	12	12	39	<50
81044	56.9	88	8	30	60	<50
81045	23.2	61	10	17	37	<50
81046	24.7	37	12	9	49	90
81047	47.2	25	13	14	48	110
81048	26.2	17	12	7	43	70
81049	3.7	15	9	7	17	<50
81050	1.0	23	8	8	14	<50



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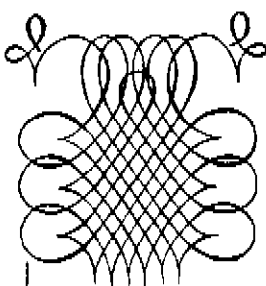
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Page 3 of 5

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81051	0.8	18	10	12	14	<50
81052	0.6	21	13	15	16	<50
81053	57.0	116	9	26	23	<50
81054	3.6	27	12	10	14	<50
81055	3.4	26	13	8	18	<50
81056	11.8	23	12	7	31	<50
81057	30.1	23	12	6	46	130
81058	10.4	25	10	9	33	70
81059	2.9	18	9	9	18	<50
81060	1.4	21	10	10	14	<50
81061	1.6	19	12	10	12	<50
81062	1.1	17	15	8	9	<50
81063	2.3	36	22	12	14	<50
81064	6.6	47	11	9	30	<50
81064B	2.8	29	8	11	11	<50
81064C	1.2	13	7	9	7	<50
81065	2.9	24	11	10	13	<50
81066	7.8	28	13	9	26	<50
81067	12.8	30	9	8	44	<50
81068	17.3	21	11	8	43	<50
81069	6.4	23	9	10	28	<50
81070	1.6	26	10	10	26	<50
81071	1.2	18	10	11	14	<50
81072	1.4	25	27	11	20	<50
81073	0.7	26	26	15	21	<50



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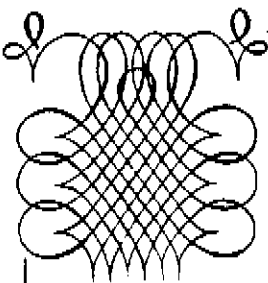
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Page 4 of 5

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81074	1.0	13	11	9	8	<50
81075	2.4	27	12	8	13	<50
81076	15.2	25	14	6	22	<50
81077	12.4	24	12	8	34	<50
81078	5.9	18	9	8	27	<50
81079	1.1	17	17	11	21	<50
81080	1.6	20	14	9	15	<50
81081	1.4	21	12	10	13	<50
81082	0.5	29	33	16	17	<50
81083	2.2	19	15	13	19	<50
81084	1.6	18	13	8	22	<50
81085	5.0	20	19	8	41	<50
81086	2.0	20	18	9	36	<50
81087	6.7	21	14	8	38	<50
81088	10.4	19	11	7	45	<50
81089	3.6	19	13	10	34	<50
81090	0.8	21	11	10	26	<50
81091	1.9	29	11	17	28	<50
81092	0.9	28	16	15	24	<50
81093	3.2	18	13	8	18	<50
81094	4.4	19	12	8	18	<50
81095	5.0	35	21	16	54	<50
81096	2.2	26	16	13	43	<50
81097	2.0	18	14	10	24	<50
81098	2.9	16	13	9	23	<50



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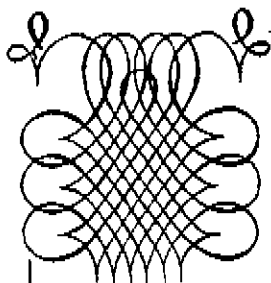
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Facsimile (089) 76 1310

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Page 5 of 5

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81099	1.9	27	12	13	28	<50
81100	1.3	20	12	9	11	<50
81101	0.8	20	13	8	10	<50
81102	2.0	20	12	10	19	<50
81103	5.7	21	12	8	26	<50
81104	7.6	27	13	7	35	<50
81105	8.2	23	12	8	45	<50



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174 Ward Street, Pine Creek, N.T. 0847

P.O. Box 41, Pine Creek, N.T. 0847

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ASSAY CODE: AC 05349

Northern Gold NL

SEL 7707 Soils

Distribution

WARREN COOPER

81106 - 81199

81200 - 81292

Client Reference: 01446

Date Received: 09/12/1992

Project :

Number of Samples: 188

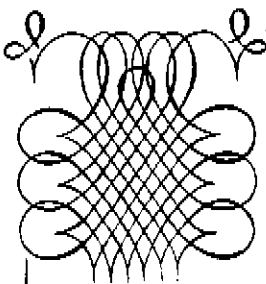
Cost Code:

Sample Preparation

Analysis	Analytical Technique	Precision & Accuracy	Detection Limit	Data Units
Ag	HLEG/2Kg	Prec. + 15%	0.1	ppb
Cu	AAS/MA-3	Prec. + 10%	2	ppm
Pb	AAS/MA-3	Prec. + 10%	2	ppm
Zn	AAS/MA-3	Prec. + 10%	1	ppm
As	AAS/MA-3	Prec. + 10%	2	ppm
Sn	CCA/AAS	Prec. + 10%	50	ppm

Authorisation: Ray Wooldridge

Report Dated: 29/01/1993



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A.C.N. 052 982 911

174 Ward Street, Pine Creek, N.T. 0847

P.O. Box 41, Pine Creek, N.T. 0847

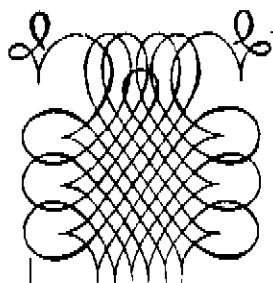
Telephone (089) 76 1262

Facsimile (089) 76 1310

ASSAY CODE: AC 05349

Page 1 of 8

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81106	3.7	27	14	10	21	<50
81107	2.3	19	15	9	17	<50
81108	5.6	14	13	7	14	<50
81109	3.0	14	10	8	14	<50
81110	1.3	14	10	7	10	<50
81111	3.9	16	7	7	14	<50
81112	7.6	25	20	11	24	<50
81113	16.8	31	18	8	32	<50
81114	13.7	19	27	7	58	<50
81115	15.5	17	28	6	38	<50
81116	2.4	12	11	8	18	<50
81117	4.3	12	12	6	22	<50
81118	2.5	14	7	8	18	<50
81119	2.1	12	14	7	11	<50
81120	2.0	15	28	7	9	60
81121	2.0	15	13	6	7	50
81122	2.0	13	14	7	16	90
81123	6.7	15	12	7	22	<50
81124	18.9	19	14	7	41	<50
81125	15.0	26	16	7	88	<50
81126	35.9	34	19	10	91	<50
81127	3.7	17	12	7	31	<50
81128	2.8	15	13	6	16	<50
81129	6.0	14	15	8	16	<50
81130	5.0	15	16	7	15	90



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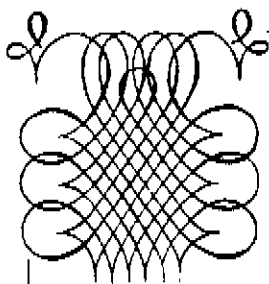
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ASSAY CODE: AC 05349

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Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81131	2.6	16	13	10	18	110
81132	8.0	16	13	9	21	80
81133	26.1	11	14	8	18	<50
81134	<< Sample not received >>					
81135	39.9	30	13	10	61	<50
81136	27.8	26	12	11	69	<50
81137	6.5	21	10	9	36	<50
81138	3.4	12	11	9	23	<50
81139	5.0	11	6	11	16	<50
81140	5.8	21	13	18	20	<50
81141	8.3	19	9	38	22	<50
81142	9.1	17	14	21	26	70
81143	10.9	14	15	9	26	90
81144	46.6	14	13	7	18	50
81145	28.4	15	17	6	64	<50
81146	18.5	22	34	7	61	<50
81147	16.5	28	9	10	43	<50
81148	7.9	22	15	9	47	<50
81149	7.8	21	12	10	26	<50
81150	11.9	15	16	9	21	<50
81151	4.4	14	18	8	24	<50
81152	18.4	13	19	7	26	<50
81153	26.0	12	18	7	27	<50
81154	16.3	10	17	6	27	<50
81155	28.9	21	19	9	49	<50



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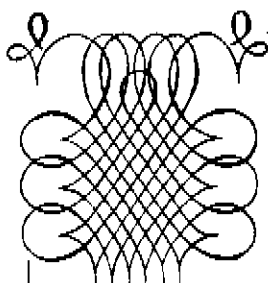
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Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81156	12.6	20	18	13	45	<50
81157	15.7	19	21	9	30	<50
81158	8.8	32	16	11	55	<50
81159	9.8	31	20	10	47	<50
81160	13.6	20	20	7	29	<50
81161	11.1	19	15	6	24	<50
81162	15.0	33	19	8	20	80
81163	104.7	56	25	9	76	710
81164	33.4	23	20	10	51	370
81165	13.4	18	16	9	49	<50
81166	10.4	17	15	9	28	<50
81167	6.0	13	14	9	27	<50
81168	9.9	16	21	10	36	<50
81169	8.5	20	18	10	49	<50
81170	12.8	20	18	6	33	<50
81171	17.9	18	14	6	19	70
81172	13.8	13	16	7	22	210
81173	16.0	20	19	8	44	150
81174	11.8	16	15	7	45	60
81175	10.1	14	18	7	46	60
81176	11.1	20	18	13	49	<50
81177	32.1	20	17	13	56	<50
81178	6.4	21	15	15	29	<50
81179	27.6	18	15	8	24	<50
81180	29.8	17	16	12	15	<50



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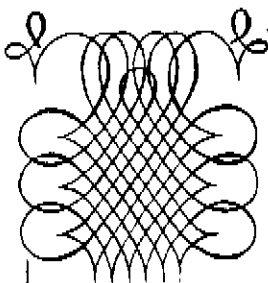
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Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81181	35.9	17	18	11	17	<50
81182	29.1	21	20	14	28	<50
81183	15.7	15	14	17	31	<50
81184	19.5	18	17	9	47	<50
81185	14.0	17	16	12	30	<50
81186	15.9	16	15	10	31	<50
81187	11.1	25	16	12	61	<50
81188	9.5	18	18	10	54	<50
81189	5.9	23	11	12	66	<50
81190	11.1	38	14	29	56	<50
81191	41.6	19	15	10	34	<50
81192	17.8	17	18	10	26	<50
81193	12.0	26	17	10	36	<50
81194	11.3	26	19	13	61	60
81195	57.8	43	23	15	70	60
81196	16.6	26	16	11	54	<50
81197	6.5	15	13	10	50	<50
81198	3.6	67	13	15	98	<50
81199	0.4	129	14	40	75	<50
81200	10.9	48	15	52	74	<50
81201	8.8	49	11	51	71	<50
81202	35.5	118	33	53	171	<50
81203	10.2	61	16	31	63	<50
81204	3.9	26	19	16	46	<50
81205	5.7	23	23	14	55	<50



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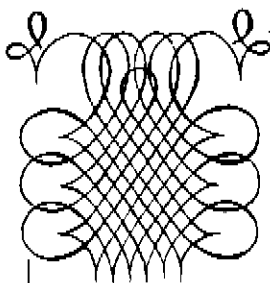
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Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81206	<0.1	26	19	11	59	<50
81207	8.3	29	20	13	39	<50
81208	14.5	29	13	9	38	<50
81209	1.9	47	17	10	59	<50
81210	0.9	56	17	14	69	<50
81211	3.2	58	17	37	50	<50
81212	5.4	81	18	65	45	<50
81213	17.3	144	14	47	44	<50
81214	24.6	114	18	22	117	<50
81215	10.6	42	18	11	34	<50
81216	10.0	31	19	11	36	<50
81217	41.2	23	13	7	30	<50
81218	43.0	25	16	8	37	<50
81219	3.4	22	17	24	32	<50
81220	2.7	51	15	12	83	<50
81221	3.5	51	19	11	95	<50
81222	6.1	36	14	12	41	<50
81223	3.4	40	12	21	44	<50
81224	17.6	259	24	64	89	<50
81225	15.4	122	13	47	63	<50
81226	9.9	65	16	11	67	<50
81227	9.8	43	13	7	29	<50
81228	16.2	31	14	6	42	<50
81229	13.5	38	15	7	61	<50
81230	1.1	22	18	15	74	<50



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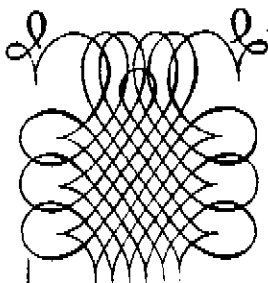
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Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81231	3.6	56	19	14	151	<50
81232	9.1	87	16	19	158	<50
81233	28.7	78	4	46	151	<50
81234	3.6	95	37	38	116	<50
81235	8.9	128	28	51	174	<50
81236	12.4	212	22	32	170	<50
81237	7.9	68	15	11	56	<50
81238	18.0	44	16	7	34	<50
81239	17.0	21	15	7	50	<50
81240	1.4	28	22	13	48	<50
81241	1.1	30	24	13	47	<50
81242	1.7	19	15	12	39	<50
81243	14.0	153	18	22	92	<50
81244	18.0	126	16	37	251	<50
81245	16.2	86	17	48	134	<50
81246	6.0	116	23	48	138	<50
81247	13.9	156	24	46	146	<50
81248	7.2	96	15	20	72	<50
81249	11.1	66	12	7	55	<50
81250	11.2	49	16	8	46	<50
81251	1.3	3	15	13	35	<50
81252	0.9	11	17	11	27	<50
81253	0.8	19	16	14	29	<50
81254	4.7	73	22	38	49	<50
81255	5.0	41	19	48	61	<50



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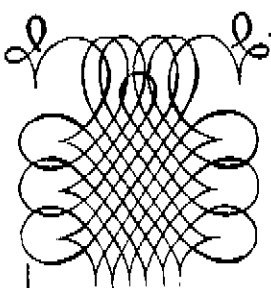
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Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81256	5.4	68	13	43	91	<50
81257	9.2	108	26	76	188	<50
81258	4.8	111	22	44	233	<50
81259	14.0	149	23	28	169	<50
81260	5.7	53	23	17	61	<50
81261	3.9	53	22	16	60	<50
81262	0.6	26	17	11	31	<50
81263	0.9	13	18	12	25	<50
81264	1.1	14	16	14	23	<50
81265	8.5	78	15	27	66	<50
81266	4.2	49	24	20	67	<50
81267	3.4	43	25	28	85	<50
81268	4.1	73	20	53	154	<50
81269	6.7	121	37	46	227	<50
81270	7.8	91	23	31	172	<50
81271	1.8	18	17	12	23	<50
81272	14.7	12	12	10	31	<50
81273	4.1	18	8	11	28	<50
81274	1.6	71	10	15	27	<50
81275	3.9	102	13	24	49	<50
81276	3.1	50	19	18	67	<50
81277	3.6	56	24	33	97	<50
81278	4.9	58	37	71	161	<50
81279	10.9	176	29	70	289	<50
81280	6.0	96	21	50	212	<50



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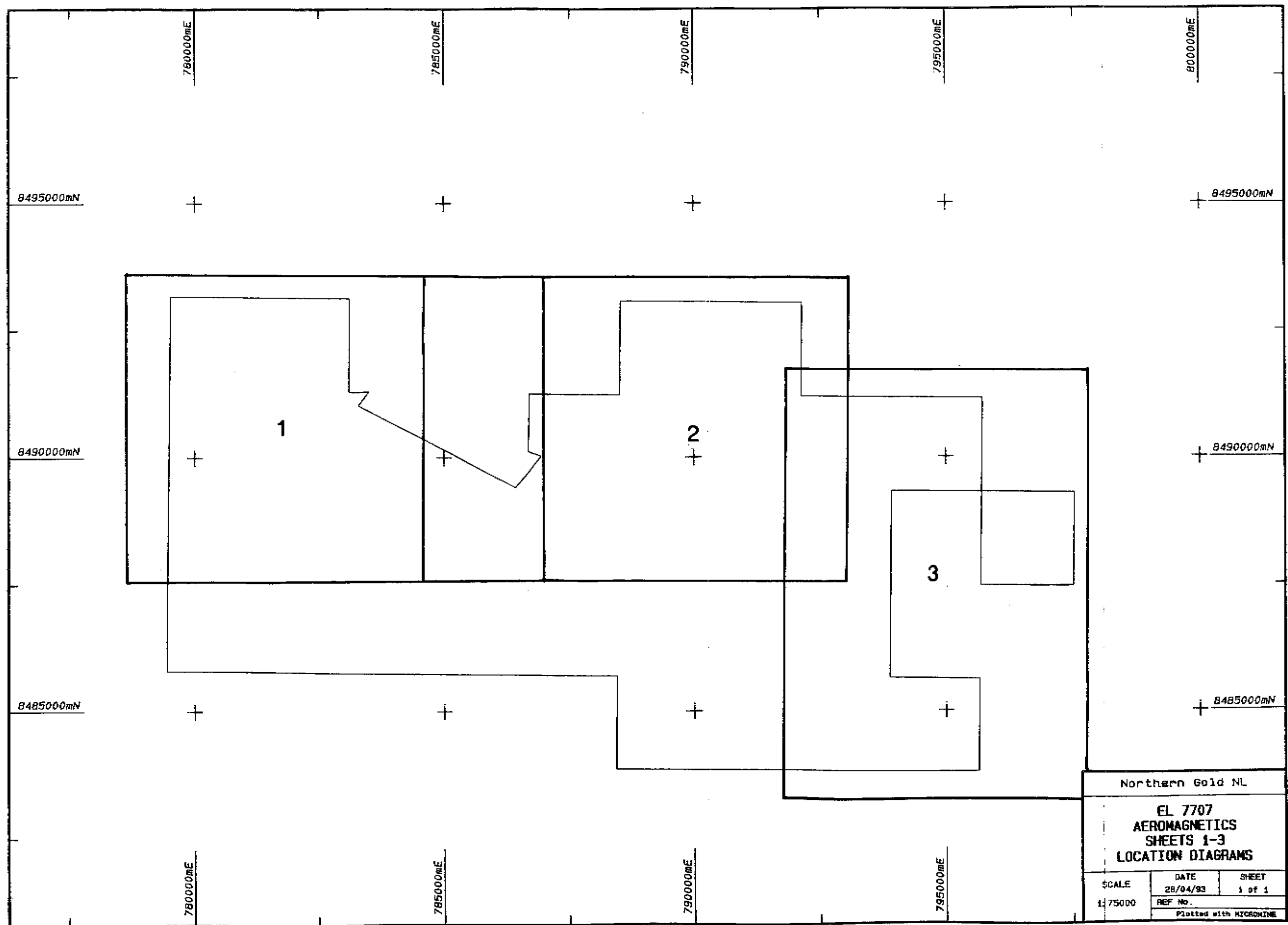
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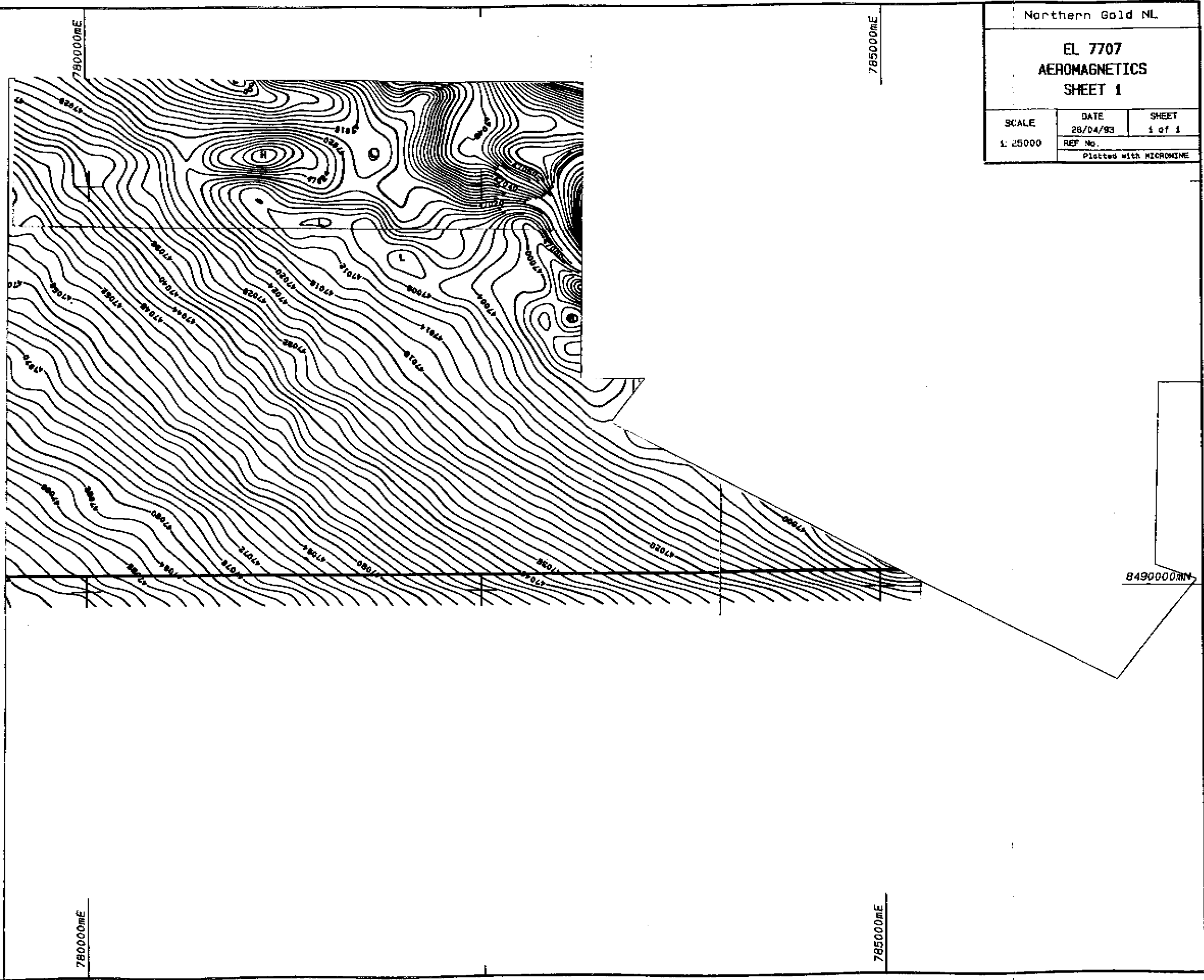
Page 8 of 8

Sample	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sn (ppm)
81281	6.0	107	24	56	209	<50
81282	0.9	26	13	18	20	<50
81283	4.4	22	14	16	75	<50
81284	4.7	14	7	15	69	<50
81285	2.1	19	8	16	92	<50
81286	3.6	48	10	17	41	<50
81287	2.8	118	11	27	49	<50
81288	2.8	38	11	16	35	<50
81289	6.3	59	16	50	51	<50
81290	23.6	36	11	58	69	<50
81291	14.1	78	54	68	73	<50
81292	7.9	35	24	31	43	<50
Extra 81124 A	20.2	21	13	10	57	<50

APPENDIX 2

Aeromagnetic Contour Maps





Northern Gold NL

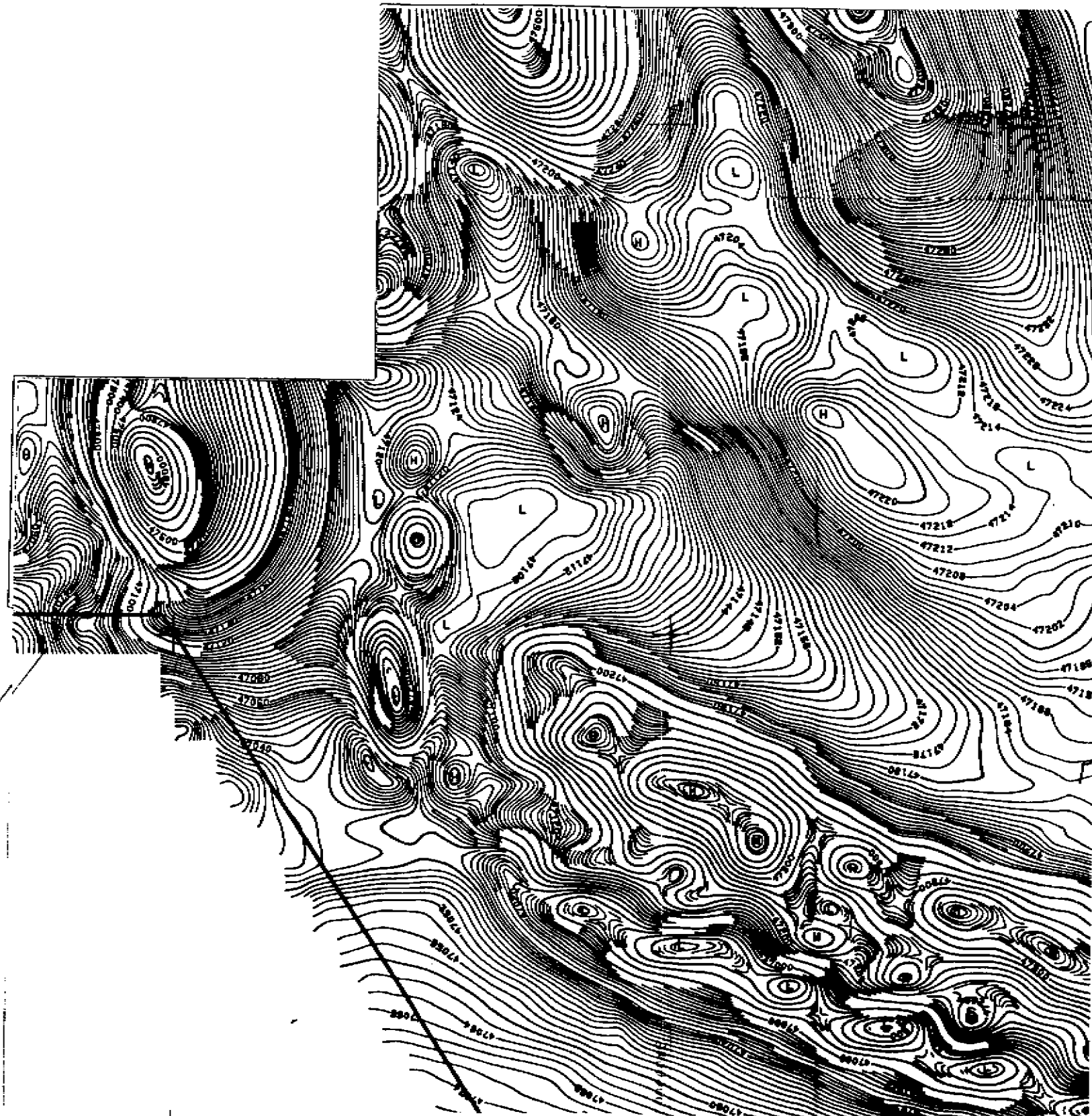
EL 7707
AEROMAGNETICS
SHEET 1

SCALE	DATE	SHEET
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REF No.		
Plotted with MICROMINE		

Northern Gold NL

EL 7707
AEROMAGNETICS
SHEET 2

SCALE 1: 25000	DATE 28/04/93	SHEET 1 of 1
	REF No. Plotted with MICROMINE	



8490000mN

8490000mE

8490000mN

8485000mN

Northern Gold NL

EL 7707
AEROMAGNETICS
SHEET 3

SCALE 1: 25000	DATE 28/04/93	SHEET 1 of 3
	REF No. Plotted with MICROMINE	

795000mE

795000mE

