



41P14NW2003 2.20288

SOTHMAN

010

1999 SOTHMAN PROPERTY REPORT

including

Prospecting Traverses

and

VLF - EM 16 Geophysical Survey

in

Sothman Twp (M-1121) & Nursey Twp.(G-2282)

Latitude : 47 deg 53 ' North

Longitude : 81 deg 18 ' West

Porcupine Mining Division

NTS sheet 41 P/14

2.20288

January 26 / 2000

By: **David V. Jones**, HBScF



41P14NW2003 2.20288 SOTHMAN

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Location & Access :

The Sothman Property is situated in Sothman Twp. (claim map sheet M1121) and Nursey Twp. (claim map sheet G 2282) of the Porcupine Mining District. A partial copy of the property claim map is shown in Figure 1, while the full township claim maps are in Appendix A. Figure 2 depicts the location on a regional scale map. The claims are covered by NTS map sheet 41 P/14 and the center of the block is located at latitude 47deg 53' N and longitude 81deg 18' W.

The Sothman Property is approximately 50 kilometres south of Timmins and can be accessed by a main logging road ("Pine St. South Road") that originates from the city and cuts through the centre of the claims. A series of smaller bush roads wind through other sections of the claims where one road starts just east of Sinclair Lake and runs northward up to Eddleston Lake. Another small road runs from the main road starting west of Bardwell Lake and heads westward to the shore of Sinclair Lake .

Property Description & Ownership

The Sothman Property prospect consists of 14 claims and covers a large block of land encompassing 154 claim units or 2,464 hectares. The following table summarizes the entire claim block along with recording dates and present expiry dates.

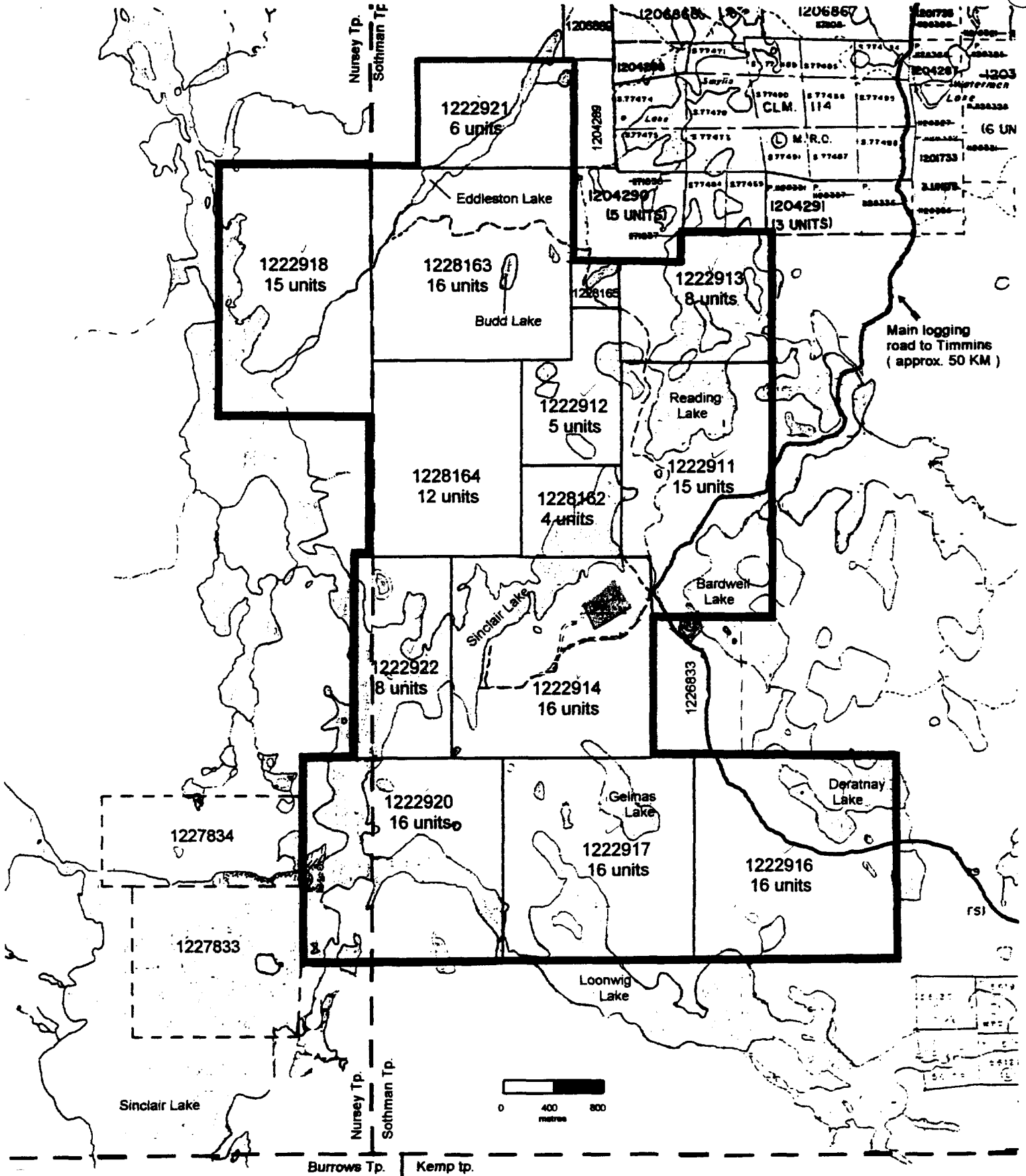
Table A : Claim Summary

Township	Claim Number	Number of Units	Recording Date	Expiry Date (as of April/99)
Sothman	1222911	15	June 24, 1998	June 24, 2000
Sothman	1222912	5	June 24, 1998	June 24, 2000
Sothman	1222913	8	June 24, 1998	June 24, 2000
Sothman	1222914	16	June 24, 1998	June 24, 2000
Sothman	1222916	16	June 24, 1998	June 24, 2000
Sothman	1222917	16	June 24, 1998	June 24, 2000
Nursey	1222918	15	Sept 23, 1998	Sept 23, 2000
Sothman & Nursey	1222920	16	June 24, 1998	June 24, 2000
Sothman	1222921	6	Sept 23, 1998	Sept 23, 2000
Sothman & Nursey	1222922	8	June 24, 1998	June 24, 2000
Sothman	1228162	4	Nov 19,1997	Nov 19, 2000
Sothman	1228163	16	Nov 19,1997	Nov 19, 2000
Sothman	1228164	12	Nov 19,1997	Nov 19, 2000
Sothman	1228165	1	Nov 19,1997	Nov 19, 2000
Total	14 claims	154 units		

All claims are registered as follows:

a) David V. Jones - 50 %
Box 1513
South Porcupine, Ont.
P0N 1H0

b) J. Kevin Filo - 50%
535 Bartleman St.
Timmins, Ont.
P4N 4X2



SOTHMAN PROPERTY		
Total 14 claims - 154 units (6,160 acres)		
claim #	1228162 - 4 units	1222912 - 5 units
	1228163 - 16 units	1222913 - 8 units
	1228164 - 12 units	1222914 - 16 units
	1228165 - 1 unit	1222916 - 16 units
	1222911 - 15 units	1222917 - 16 units
	1222918 - 15 units	
	1222920 - 16 units	
	1222921 - 6 units	
	1222922 - 8 units	



TABLE 1

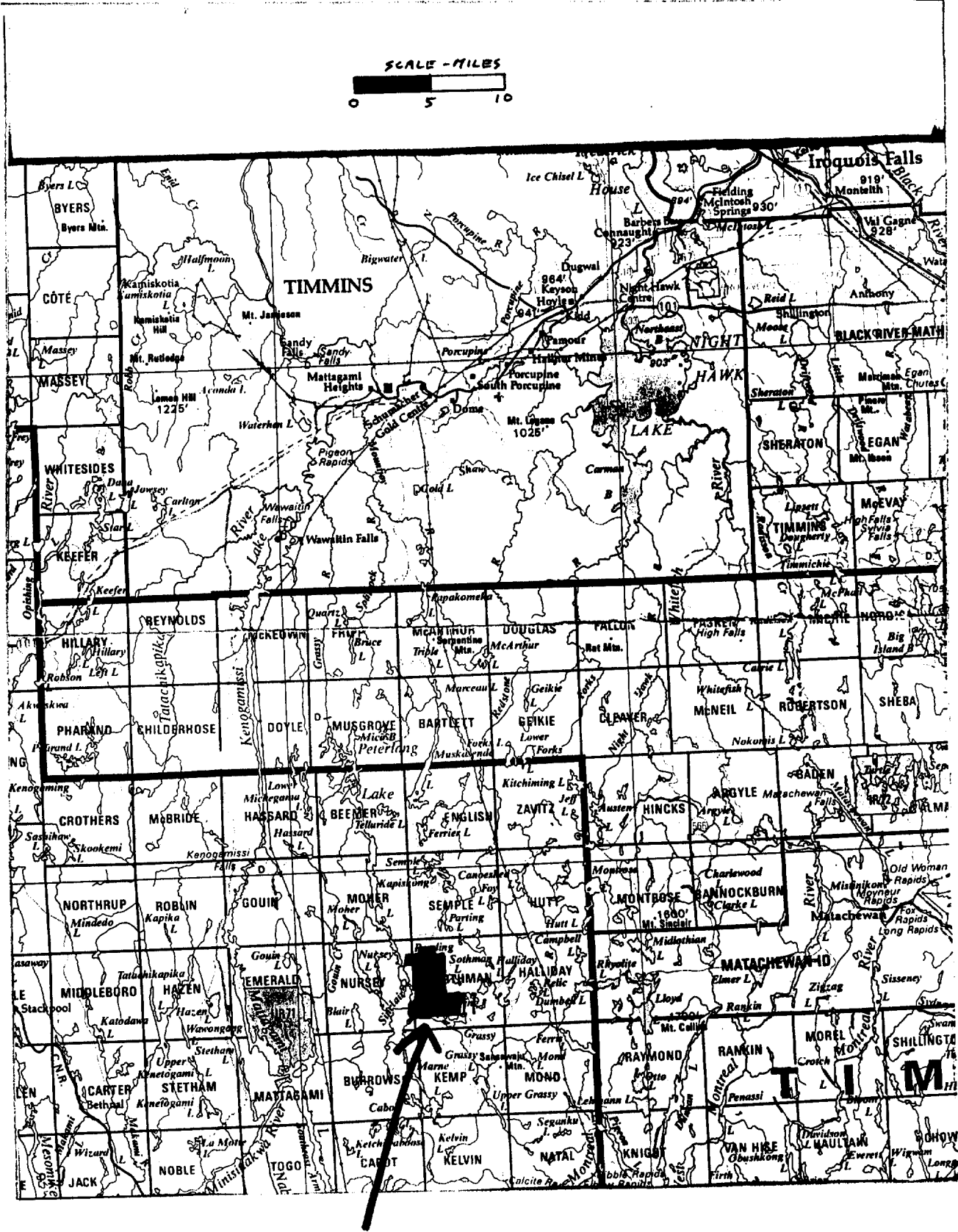


Figure 2 - Sothman Property - General Location Map

General Geology :

A detailed report of the area is given in the 1953 ODM annual report (vol 62, part 6), while a general overview can be seen on OGS map 2205-Timmins-Kirkland Lake. This report shows that the property is underlain by an intercalated suite of ultramafic to felsic volcanics. A thin layer of early Proterozoic sedimentary rocks (Cobalt series) overlaying the Archean rocks on some portions of the property. References from past exploration data suggest this sedimentary layer is in the order of 100 feet thick.

Faulting or major zones of structural deformation have been mapped on the property. The two major fault zones on this prospect are the Eldest Fault and the Sinclair Fault; these faults trend in a southwest to northeast direction. Substantial cross faulting has displaced these early deformation zones and considerable alteration and favourable structure has resulted (talc-chlorite schists, green carbonates, feldspar porphyries, heavy sulphide mineralization and carbonatization). Speculation has also been raised as to whether the area represents the western extension of the major regional structure, the Kirkland-Larder Lake Break.

Fold structures are also present; the axis of these structures generally trend east-west and the property is located at the nose of a major regional anticlinal fold structure, where the nose is situated west of Bardwell Lake.

The property also lies on the west side of a large felsic volcanic dome structure known as the Halliday Dome, which covers a large area spanning over several townships, and is host to several base metal and gold occurrences. In 1991, the OGS regional airborne electromagnetic and total intensity magnetic "Shining Tree" survey was flown over the property which allowed further geophysical interpretation of the geological structures in the area.

Previous Exploration Work

Table B lists all the documented historical assessment work that was on file at the Porcupine District Resident Geologists Office, for the area covered by the Sothman Property.

Table B: Historical Assessment Work on Area Covered by Sothman Property

Assessment File #	Year & Company	Type of Work Done
T-265	1948 -1951: Miami General	- mag & self potential surveys - drilling
T-2288	1970's: A. Decker	- stripping & trenching - 4 x-ray drill holes
T-267	1953 - 54: Dominion Gulf	- geology + mag survey - drilling
T-1809	1951: Wrights Hargroves	- mag survey - drilling
T-2919	1987: Dome Exploration	- HLEM ground survey - drilling
T-3362	1989 to 1993: Falconbridge	- ground geochem -airborne Mag, VLF, EM, Resist. - drilling
T-1931	1957: Queenston	-drilling
T-2685	1965: Monpre Mining	-geology (prospectus) -drilling

T-2289	1970: Canex Aerial	-mag, EM, IP -geology -drilling
T-2232	1966: PCE Exploration	- Mag, EM, - drilling
T-2121	1951: Preston East Dome	- prospecting, - stripping, trenching - drilling
T-269	1973: Dowa Mining	- geology survey - EM(veritcal loop) - trenching , stripping & drilling
T-2293	1983: Johns Manville 1989: Quote Resources	- geological mapping - trenching - magnetometer, and IP survey - drilling
T-229	1974: Ecstall Mining	- magnetometer and horizontal loop - drilling
T-2183	1961: Empire Expl	- drilling

Work Program:

A) Grid Layout

Four separate grid layouts were set up (grids A to D) with their general location being shown on Figure 3. Total size of each grid is as follows:

- Grid A (north) = 12.8 kilometres
- Grid A (south) = 9.8 kilometres
- Grid B = 5.5 kilometres
- Grid C = 8.8 kilometres
- Grid D = 9.2 kilometres
- Total of all grids = 46.1 kilometres

Grid orientation was designed to provide coverage with lines being run perpendicular to the interpreted strike of the geology found in that particular section and/or as dictated by the location of the VLF transmitter station (ie. maintain survey direction at right angle to the transmitter). Details of each grid can be viewed on either the Prospecting Traverses or the VLF profiles found in this report.

Specific locations of each grid was intended to cover areas that hosted airborne EM anomalies (from OGS - 1991 Shining Tree Airborne Survey) that appear to be located in or proximal to the magnetic low (possible felsic volcanics) areas of the airborne survey.

All grids were established as compass and flagged lines with 100 metre spaced lines and 25 metre stations. Topographic control was maintained with tie-ins to any lakes or creeks that were proximal to each grid.

Both grids were then used for a VLF -EM16 geophysical survey and a prospecting survey.

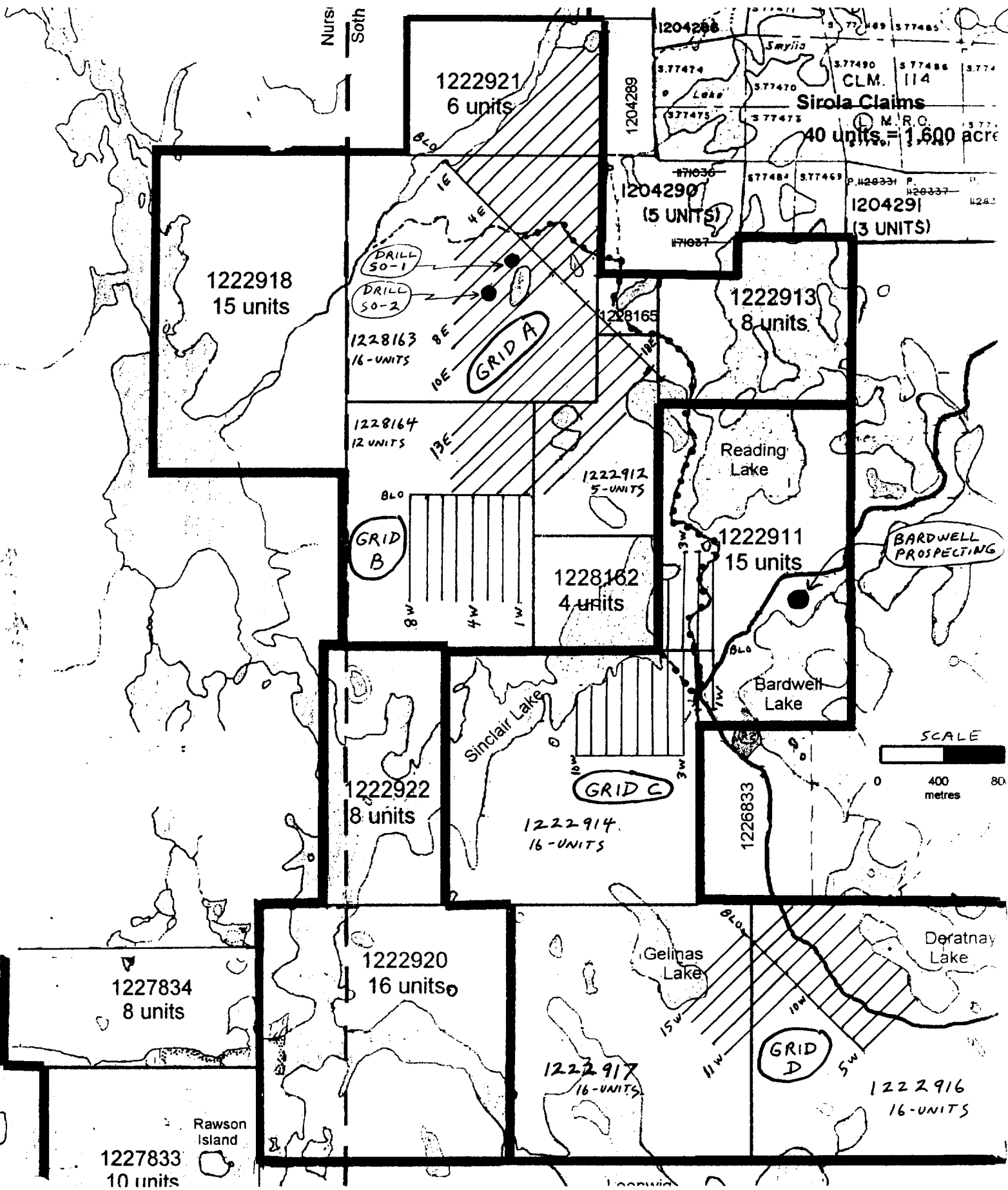


FIGURE 3 - GRID LAYOUT + WORK AREAS

B) VLF-EM16 Geophysical Survey

The survey was completed in its entirety by the author of this report,
 David V. Jones
 P.O. Box 1513
 South Porcupine, Ont.
 P0N 1H0

Geophysical field work commenced on May 23/99 and finished on Oct 30/99.

The survey was completed using a Geonics VLF-EM 16 instrument, where the transmitter station Cutler, Maine was used (NAA - 24.0 KHz). The VLF readings were taken with the instrument operator facing at approximately 015 degrees, which resulted in the transmitter station being perpendicular to the instrument. The in-phase and quadrature of the vertical magnetic field were measured as a percentage of the horizontal primary field. An in-phase sensitivity of plus or minus 150% and a quad-phase of plus or minus 40% was used with a resolution of plus or minus 1 %. Appendix B outlines the operating procedures for the instrument.

Data was manually plotted on Figures 4 to 8 at a scale of 1:2,500.

A total of 42.3kilometres VLF surveying was completed on all the blocks combined.

VLF-EM16 Results & Interpretation

All grids on the Sothman Property resulted in the delineation of several VLF anomalies, and a discussion of each anomaly is presented as follows:

Grid A (north) - Figure 4

Anomaly A - strong anomaly that covers at least 200 metres of strike length (from L8E to L10E), and may extend further east & west, however grid coverage was not present on lines 7E & 11E. The anomaly is coincident with a magnetic high & low contact on the OGS airborne, and is most likely representing a geological contact, however a conductor caused by disseminated mineralization cannot be ruled out at this stage.

Anomaly B - a single line, weak anomaly that is adjacent to Budd Lake. A "lone" airborne input EM anomaly is proximal to the north of this VLF anomaly and may be related. Strike may extend to the east into Budd Lake, however no geophysical coverage was done there.

Anomaly C - a strong anomaly covering at least 200 metres of strike length. Closely coincident with the geological contact shown on OGS map 1953-3 between the Huronian conglomerates and the volcanics and may represent this structure. However, proximity to airborne EM anomalies at L8E, 125S and L6E, 100N may also suggest a possible bedrock conductor.

Anomaly D - weak anomalies just beginning to be traced at edge of grid. Strike length is unknown since grid was not extended to the east.

Anomalies E, F, & G - all coincident with airborne EM conductors, resulting in a good probability of being bedrock conductors. Historical drilling in this area by Dowa Mining intersected zones of graphite which most likely is causing the anomalies, but sphalerite and chalcopyrite was also noted in the logs.

Grid A (south) - Figure 5

Anomaly H - a strong anomaly covering at least 300 metres of strike length and is coincident with a single airborne EM conductor on L17E, 300S, suggesting possible conductor of bedrock origin.

Anomaly I - a weak anomaly striking for 200metres and running west out of the grid. Conductive overburden or a weak bedrock conductor could be possible sources.

Grid B - Figure 6

Anomaly K - a strong anomaly striking for over 600 metres and running east off the grid. This anomaly is coincident with a string of three adjoining airborne EM conductors on lines 6W, 4W & 2W, suggesting a high probability of being a conductor of bedrock origin.

Grid C - Figure 7

Anomaly L & M - strike length of both anomalies are separated by a 150 metre north-south offset which may suggest that they are the same anomaly that is faulted at L5W. These anomalies cover a combined strike of over 900 metres (running off the grid both to the east and west), and are partially coincident with an airborne EM conductor at L6W, 400S.

Anomaly N - a strong but short anomaly on L4W that is proximal and possibly related to the airborne EM conductor that is in Sinclair Lake at L5W, BLO. There seems to be a good possibility that this anomaly will continue to strike west into Sinclair Lake to this EM conductor, suggesting a possible conductor of bedrock origin.

Grid D - Figure 8

Anomaly O - a strong anomaly running for at least 300 metres and off the grid to both the east and west. It is also coincident with the contact of the gabbro intrusion and mafic volcanics (as shown on OGS map 1953-3), and may be representing this structure.

Anomaly P - comprising of three weak single line anomalies that may be one continuous anomaly that is faulted at L12W, 200S. and runs off the grid to the west and east. It is coincident with a pair of airborne EM conductors at line13W, BLO suggesting a possible bedrock conductor.

Anomaly Q - a series of strong parallel anomalies striking for over 900 metres. They are also coincident with the contact of a gabbro intrusion and felsic volcanics (as shown on OGS map 1953-3) and may be representing this structure.

VLF-EM16 - Recommendations

Since the VLF survey was successful in delineating several strong anomalies on all grids, and it also confirmed the presence of previously delineated airborne Input EM anomalies, it is recommended to follow up on the property with further geophysics such as an Induced Polarization survey. The VLF anomalies may represent possible bedrock conductors or structural features that would be more accurately defined with the IP survey. The IP survey would also provide better coverage for delineating anomalies that represent disseminated sulphide conductors which could have easily been missed by previous EM surveys on the claims.

Depending on the results of such future geophysics it would be highly recommended to test any resultant anomalies with diamond drilling.

C) Prospecting Program

In an effort to find untested mineralization, possibly related to the areas exhibiting airborne input EM conductors, VLF anomalies, or areas of interpreted felsic volcanics, a detailed program of prospecting was completed on the Sothman Property. Prospecting traverses were completed over all the grids with several compass traverses being completed in-between grid lines (in areas of geophysical anomalies or known outcrop and mineralization).

Prospecting Results & Recommendations

A total 51.5 kilometres of traverses were completed with traverse dates and observations being plotted on Figures 12 to 29, at a scale of 1: 2,500.

Although much of the property is covered with overburden, and has little outcrop, the prospecting was successful in finding some areas of interest. Four areas with mineralization were found and are depicted in Figures 12, 16, 18, & 19. From these areas a total of 11 samples were collected and assayed, with results shown in Table C. Sample descriptions were given by co-applicant J. Kevin Filo (P. Geo) and are written on each corresponding Figure that covers the area where they were found.

From the samples taken, only one returned a significant value. Sample 99-S-20 gave 690 ppb Au, and was taken from an old trench found near L16E, 900S (grid A). Follow up work would be recommended in this area as there is no historical data on these old trenches and further mineralization may be found with the aid of an IP survey which could possibly trace the weak mineralization that was in the sample (4% cubic pyrite). Also, power stripping around the trench would give more information on the structure that is hosting the Au, but since the area is not near any roads, it was not within the budget of this program to proceed with this idea.

Also, due to the historical gold and base metal showings that are documented around the Budd Lake area, it would still be prudent to prospect in areas of the property that were not covered by this survey, in hopes of finding more mineralization, as was done in this survey. It has been shown from historical data along with this recent sampling, that the Sothman Property does contain suitable geology to host significant assays that warrant further exploration on the claims.

P-12



Intertek Testing Services
Chimitec Bondar Clegg

Rapport Lab Geochimie
Geochemical Lab Report

CLIENT: MR.KEVIN FILO

PROJECT: NONE

REPORT: T99-57290.0 (COMPLETE)

DATE RECEIVED: 25-JUN-99

DATE PRINTED: 1-JUL-99 PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT	Al ₂ O ₃	Au	Pd	Pt	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ba	Li	Nb	Sc	Ta	Ti	Zr
			UNITS	PPB	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
99-S-1			2	3	<5	<2	70	3	149	<1	154	40	0.4	<5	48	<5	6.36	1296	<10	9	534	110	<20	<20	51	3.82	5.14	5.03	<.01	<.01	282	9	2	70	5	18	<10	0.13	21
99-S-2			77			0.9	349	46	111	3	422	76	0.5	<5	61	<5	>10.00	265	<10	8	616	51	<20	<20	1	0.84	1.06	0.79	0.05	0.03	23	2	<2	9	1	7	<10	0.05	4
99-S-3			10			<2	14	4	43	3	250	26	<2	<5	7	<5	2.61	418	<10	17	562	36	<20	<20	2	0.91	1.12	2.07	0.08	0.03	58	2	<2	7	1	5	<10	0.04	9
99-S-4			9			<2	47	6	127	7	912	81	0.3	<5	24	<5	5.57	888	<10	13	1619	116	<20	<20	5	2.13	2.58	3.54	0.05	0.02	87	7	2	18	5	20	<10	0.09	15
99-S-5			5	5	<5	<2	13	2	41	<1	51	28	0.2	<5	3	<5	4.38	772	<10	136	197	103	<20	<20	50	1.77	2.20	2.46	0.07	0.13	229	11	3	18	5	<5	<10	0.19	10
99-S-10			7	<1	<5	<2	37	<2	45	1	4	16	<2	<5	<5	<5	3.72	270	<10	18	85	37	<20	<20	19	1.40	0.88	1.07	0.07	0.04	14	16	4	8	2	<5	<10	0.30	24
99-S-11			<5			<2	689	<2	54	<1	31	88	<2	<5	<5	<5	9.43	476	<10	23	67	45	<20	<20	4	2.62	1.11	1.68	0.03	0.12	6	5	2	19	1	5	<10	0.08	14
99-S-12			35	6	<5	0.6	607	3	35	<1	27	54	0.2	<5	53	<5	>10.00	20	<10	6	84	6	<20	<20	<1	0.12	0.03	0.08	0.01	0.02	4	<1	<2	<1	<1	<5	<10	<.01	<1
99-S-13			<5			<2	106	<2	15	<1	25	19	<2	<5	<5	<5	4.66	180	<10	4	122	42	<20	<20	5	2.23	1.08	1.24	0.03	0.02	50	3	2	17	1	<5	<10	0.13	12
99-S-14			<5			<2	449	<2	32	<1	37	56	<2	<5	<5	<5	>10.00	256	<10	29	69	36	<20	<20	2	2.61	0.84	1.74	<.01	0.15	25	2	3	19	<1	<5	<10	0.08	16

P-13



Intertek Testing Services

Chimitec Bondar Clegg

Rapport Lab Geochimie Geochemical Lab Report

CLIENT: FILO - JONES

PROJECT: NONE

REPORT: T99-57370.0 (COMPLETE)

DATE RECEIVED: 21-SEP-99

DATE PRINTED: 29-SEP-99

PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	Al ₂ O ₃	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Tl	Zr
		PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
99-5-20		690	0.3	26	18	71	3	251	31	0.5	<5	43	<5	5.65	2381	<10	57	603	45	<20	<20	2	1.25	1.90	>10.00	<.01	.01	338	10	<2	4	3	9	<10	.03	<1

ms

References

1954, Ontario Department of Mines 62nd annual report, vol. LXII, part 6, Geology of Sothman Township, E.M. Abraham..

1991, OGS Airborne electromagnetic and total intensity magnetic survey, Shining Tree area, scale 1:20,000 Maps 81405 & 81406.

Map 2205, Timmins-Kirkland Lake, Geological Compilation Series, scale 1 inch to 200 miles

Statement of Qualifications

I, David V. Jones of P.O. Box 1513, South Porcupine, Ontario, certify that :

1. I have been actively practicing in the mining exploration business as a Contractor & Prospector since 1983, including performing geophysical surveys and prospecting such as that outlined in this report,
2. I have a 50% interest in the property mentioned in this report,
3. I am a graduate of Lakehead University with an Honours Bachelor of Science in Forestry degree (1981).

Respectfully submitted by



David V. Jones, Hon.B.Sc.For.
Prospector - Exploration Contractor

Date of report completion : Jan 26/2000

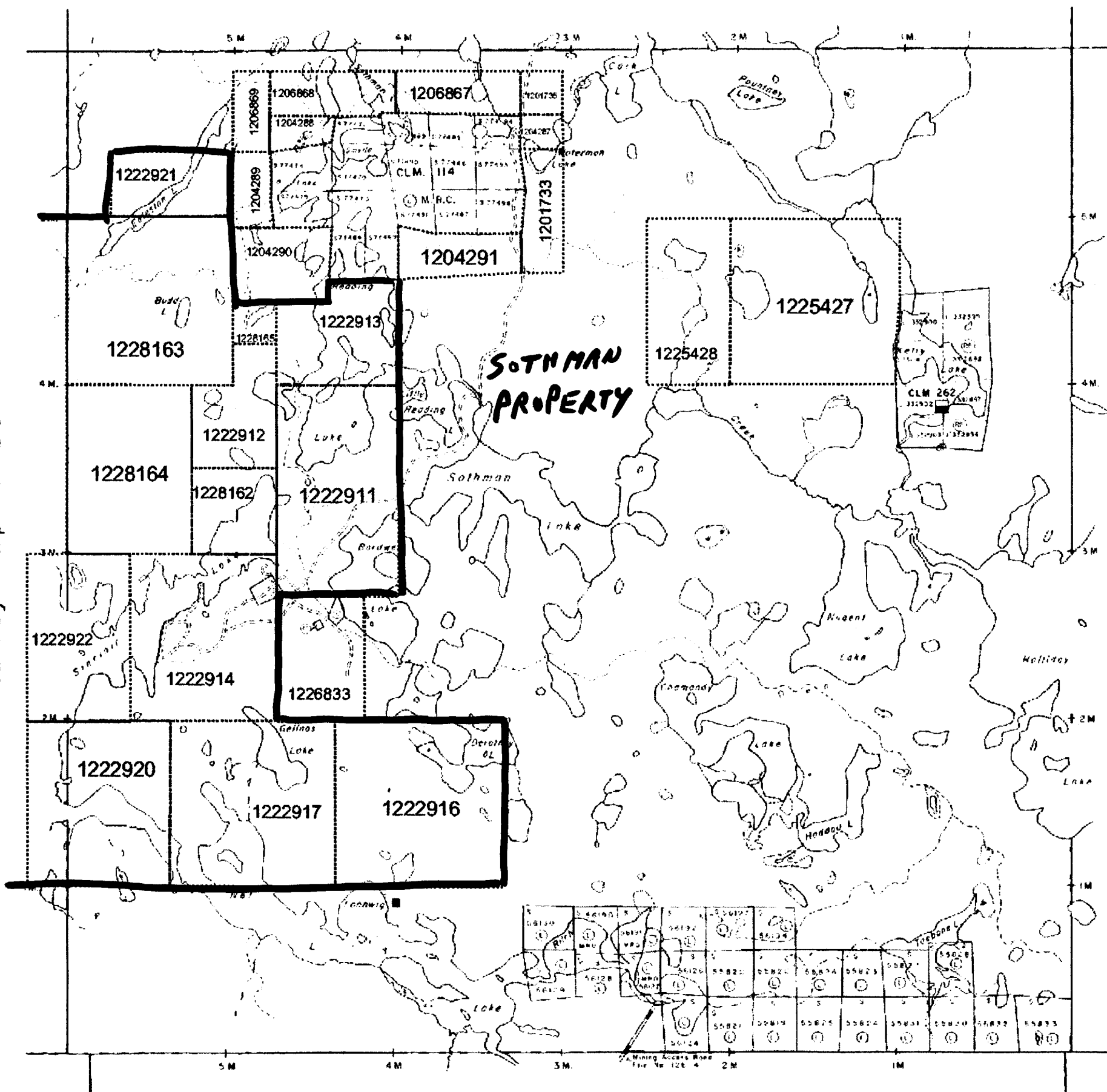
Appendix A :

Claim maps of Sothman & Nursey Townships

Semple Twp. - M. 1100

Nursey Twp. - M. 1031

Holliday Twp. - M. 910



Kemp Twp. - M. 966

THE TOWNSHIP OF
OF
SOTHMAN

DISTRICT OF
SUDBURY

PORCUPINE
MINING DIVISION

LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊙
LOCATED LAND	Lo
LICENSE OF OCCUPATION	LO
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	⊙
CANCELLED	C.

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Flooding Rights - L.O. 7191 File No. 1162 vol 4

Areas withdrawn from staking under Section 42 of the Mining Act (R.S.O. 1970):

Order No	File	Date	Disposition
RS 12821	1222917	26/2/81	S.R.O.
RS 12822	1222917	26/2/81	S.R.O.
RS 12823	1222917	26/2/81	S.R.O.
RS 12824	1222917	26/2/81	S.R.O.
RS 12825	1222917	26/2/81	S.R.O.
RS 12826	1222917	26/2/81	S.R.O.
RS 12827	1222917	26/2/81	S.R.O.
RS 12828	1222917	26/2/81	S.R.O.
RS 12829	1222917	26/2/81	S.R.O.
RS 12830	1222917	26/2/81	S.R.O.
RS 12831	1222917	26/2/81	S.R.O.
RS 12832	1222917	26/2/81	S.R.O.
RS 12833	1222917	26/2/81	S.R.O.
RS 12834	1222917	26/2/81	S.R.O.
RS 12835	1222917	26/2/81	S.R.O.
RS 12836	1222917	26/2/81	S.R.O.
RS 12837	1222917	26/2/81	S.R.O.
RS 12838	1222917	26/2/81	S.R.O.
RS 12839	1222917	26/2/81	S.R.O.
RS 12840	1222917	26/2/81	S.R.O.
RS 12841	1222917	26/2/81	S.R.O.
RS 12842	1222917	26/2/81	S.R.O.
RS 12843	1222917	26/2/81	S.R.O.
RS 12844	1222917	26/2/81	S.R.O.
RS 12845	1222917	26/2/81	S.R.O.
RS 12846	1222917	26/2/81	S.R.O.
RS 12847	1222917	26/2/81	S.R.O.
RS 12848	1222917	26/2/81	S.R.O.
RS 12849	1222917	26/2/81	S.R.O.
RS 12850	1222917	26/2/81	S.R.O.
RS 12851	1222917	26/2/81	S.R.O.
RS 12852	1222917	26/2/81	S.R.O.
RS 12853	1222917	26/2/81	S.R.O.
RS 12854	1222917	26/2/81	S.R.O.
RS 12855	1222917	26/2/81	S.R.O.
RS 12856	1222917	26/2/81	S.R.O.
RS 12857	1222917	26/2/81	S.R.O.
RS 12858	1222917	26/2/81	S.R.O.
RS 12859	1222917	26/2/81	S.R.O.
RS 12860	1222917	26/2/81	S.R.O.
RS 12861	1222917	26/2/81	S.R.O.
RS 12862	1222917	26/2/81	S.R.O.
RS 12863	1222917	26/2/81	S.R.O.
RS 12864	1222917	26/2/81	S.R.O.
RS 12865	1222917	26/2/81	S.R.O.
RS 12866	1222917	26/2/81	S.R.O.
RS 12867	1222917	26/2/81	S.R.O.
RS 12868	1222917	26/2/81	S.R.O.
RS 12869	1222917	26/2/81	S.R.O.
RS 12870	1222917	26/2/81	S.R.O.
RS 12871	1222917	26/2/81	S.R.O.
RS 12872	1222917	26/2/81	S.R.O.
RS 12873	1222917	26/2/81	S.R.O.
RS 12874	1222917	26/2/81	S.R.O.
RS 12875	1222917	26/2/81	S.R.O.
RS 12876	1222917	26/2/81	S.R.O.
RS 12877	1222917	26/2/81	S.R.O.
RS 12878	1222917	26/2/81	S.R.O.
RS 12879	1222917	26/2/81	S.R.O.
RS 12880	1222917	26/2/81	S.R.O.
RS 12881	1222917	26/2/81	S.R.O.
RS 12882	1222917	26/2/81	S.R.O.
RS 12883	1222917	26/2/81	S.R.O.
RS 12884	1222917	26/2/81	S.R.O.
RS 12885	1222917	26/2/81	S.R.O.
RS 12886	1222917	26/2/81	S.R.O.
RS 12887	1222917	26/2/81	S.R.O.
RS 12888	1222917	26/2/81	S.R.O.
RS 12889	1222917	26/2/81	S.R.O.
RS 12890	1222917	26/2/81	S.R.O.
RS 12891	1222917	26/2/81	S.R.O.
RS 12892	1222917	26/2/81	S.R.O.
RS 12893	1222917	26/2/81	S.R.O.
RS 12894	1222917	26/2/81	S.R.O.
RS 12895	1222917	26/2/81	S.R.O.
RS 12896	1222917	26/2/81	S.R.O.
RS 12897	1222917	26/2/81	S.R.O.
RS 12898	1222917	26/2/81	S.R.O.
RS 12899	1222917	26/2/81	S.R.O.
RS 12900	1222917	26/2/81	S.R.O.



PLAN NO. **M-1121**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

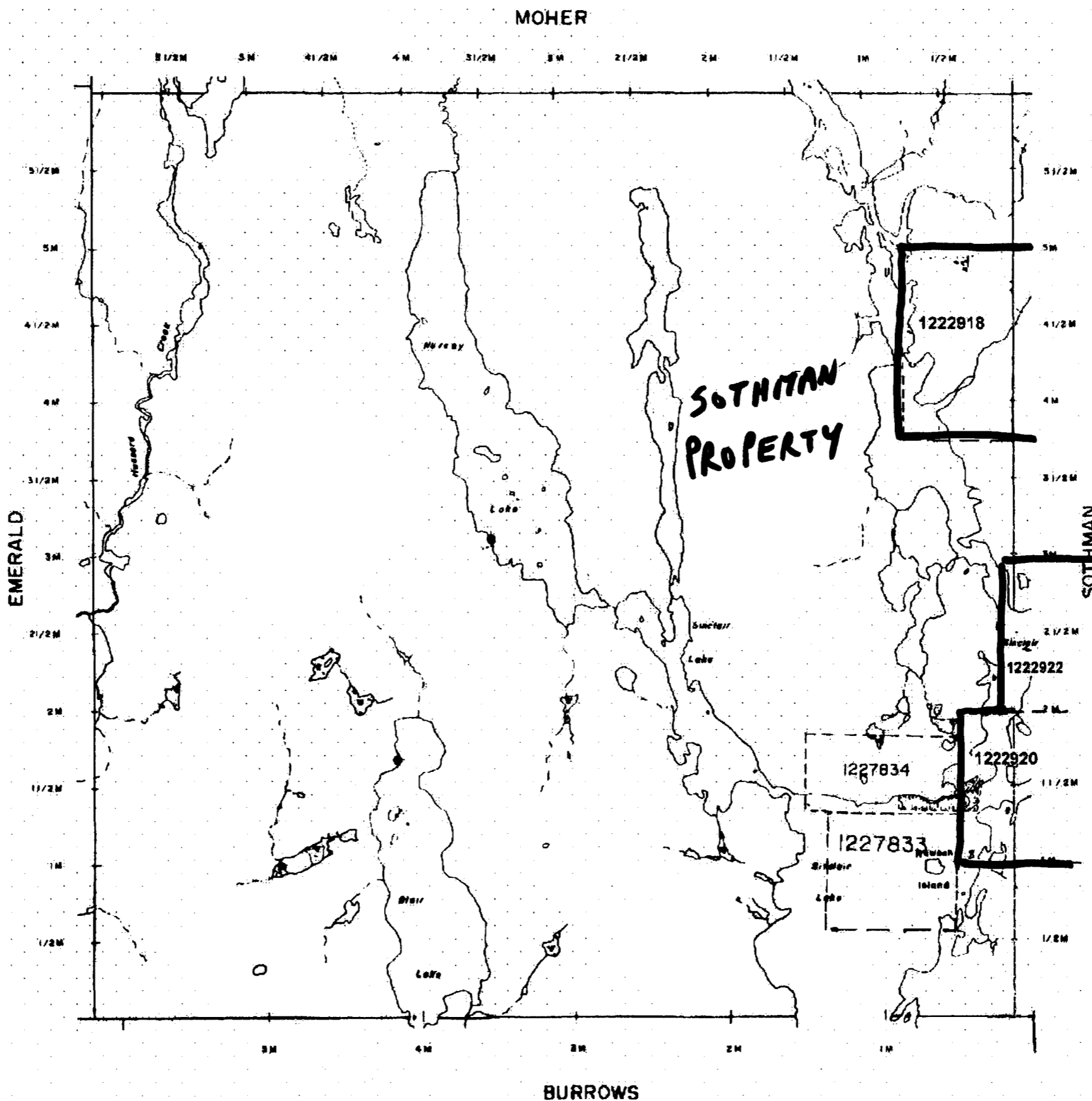
REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1) M.R.O.				77004

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



LEGEND

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

DISPOSITION OF CROWN LAND

TYPE OF DOCUMENT	SYMB
PATENT SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL RESERVATION	
CANCELLED	
SAND & GRAVEL	

AND USE PERMITS FOR COMMERCIAL TOURISM, GOLF COURSE AND OTHER RECREATION PURPOSES.
 NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1942, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S. 1970, CHAP. 106, SEC. 61, SUBSECTION 1.



TOWNSHIP
NURSEY TW
 M.N.R. ADMINISTRATIVE DISTRICT
GOGAMA
 MINING DIVISION
PORCUPINE
 LAND TITLES / REGISTRY DIVISION
SUDBURY



Date: AUGUST 20, 1982
 Number: **G-2282**

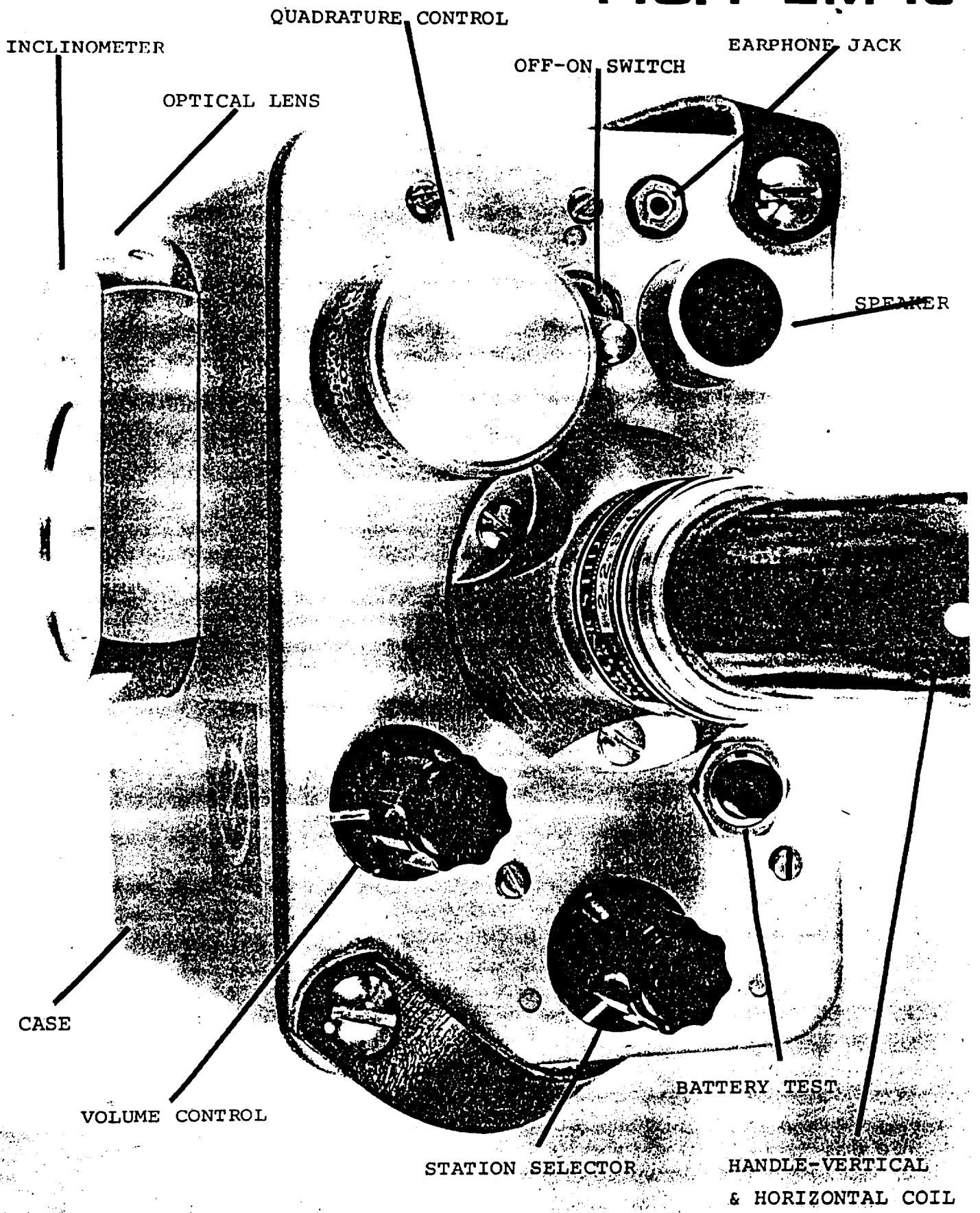
Appendix B :

VLF-EM 16 Operating Procedures

EM16 SPECIFICATIONS

MEASURED QUANTITY	In-phase and quad-phase components of vertical magnetic field as a percentage of horizontal primary field. (i.e. tangent of the tilt angle and ellipticity).
SENSITIVITY	In-phase :±150% Quad-phase :± 40%
RESOLUTION	±1%
OUTPUT	Nulling by audio tone. In-phase indication from mechanical inclinometer and quad-phase from a graduated dial.
OPERATING FREQUENCY	15-25 kHz VLF Radio Band. Station selection done by means of plug-in units.
OPERATOR CONTROLS	On/Off switch, battery test push button, station selector switch, audio volume control, quadrature dial, inclinometer.
POWER SUPPLY	6 disposable 'AA' cells.
DIMENSIONS	42 x 14 x 9cm
WEIGHT	Instrument: 1.6 kg Shipping : 4.5 kg

FIG. 1 EM 16



FIELD PROCEDUREOrientation & Taking a Reading

The direction of the survey lines should be selected approximately along the lines of the primary magnetic field, at right angles to the direction to the station being used. Before starting the survey, the instrument can be used to orient oneself in that respect. By turning the instrument sideways, the signal is minimum when the instrument is pointing towards the station, thus indicating that the magnetic field is at right angles to the receiving coil inside the handle. (Fig. 11).

To take a reading, first orient the reference coil (in the lower end of the handle) along the magnetic lines. (Fig. 12) Swing the instrument back and forth for minimum sound intensity in the speaker. Use the volume control to set the sound level for comfortable listening. Then use your left hand to adjust the quadrature component dial on the front left corner of the instrument to further minimize the sound. After finding the minimum signal strength on both adjustments, read the inclinometer by looking into the small lens. Also, mark down the quadrature reading.

While travelling to the next location you can, if you wish, keep the instrument in operating position. If fast changes in the readings occur, you might take extra stations to pinpoint accurately the details of anomaly.

The dials inside the inclinometer are calibrated in positive and negative percentages. If the instrument is facing 180° from the original direction of travel, the polarities of the readings will be reversed. Therefore, in the same area take the readings always facing in the same direction even when travelling in opposite way along the lines.

The lower end of the handle, will as a rule, point towards the conductor. (Figs. 13 & 14) The instrument is so calibrated that when approaching the conductor, the angles are positive in the in-phase component. Turn always in the same direction for readings and mark all this on your notes, maps, etc.

THE INCLINOMETER DIALS

The right-hand scale is the in-phase percentage (ie. H_s/H_p as a percentage). This percentage is in fact the tangent of the dip angle. To compute the dip angle simply take the arc-tangent of the percentage reading divided by 100. See the conversion graph on the following page.

The left-hand scale is the secant of the slope of the ground surface. You can use it to "calculate" your distance to the next station along the slope of the terrain.

- (1) Open both eyes.
- (2) Aim the hairline along the slope to the next station to about your eye level height above ground.
- (3) Read on the left scale directly the distance necessary to measure along the slope to advance 100 (ft) horizontally.

We feel that this will make your reconnaissance work easier. The outside scale on the inclinometer is calibrated in degrees just in case you have use for it.

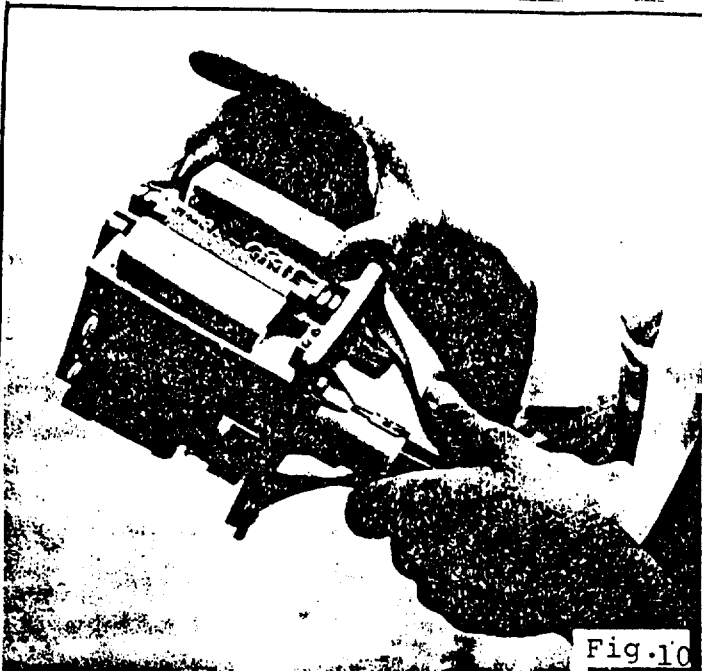


Fig.10

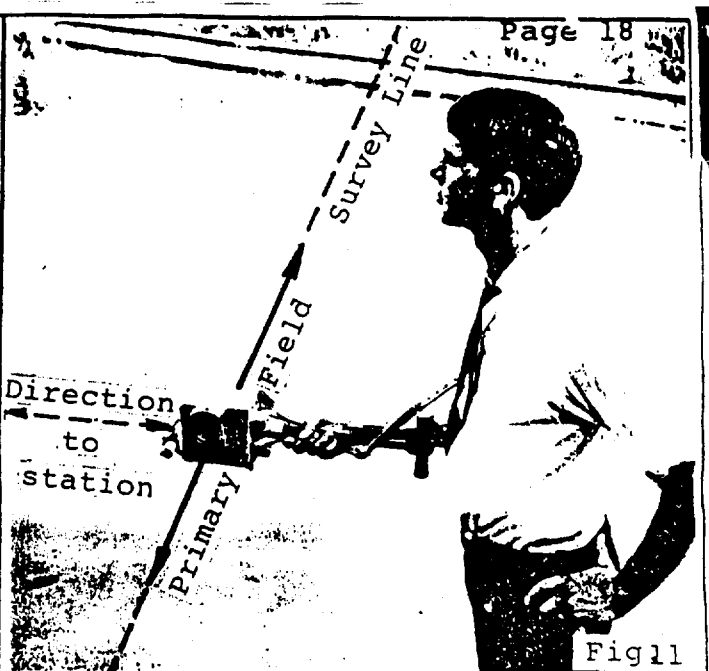


Fig.11

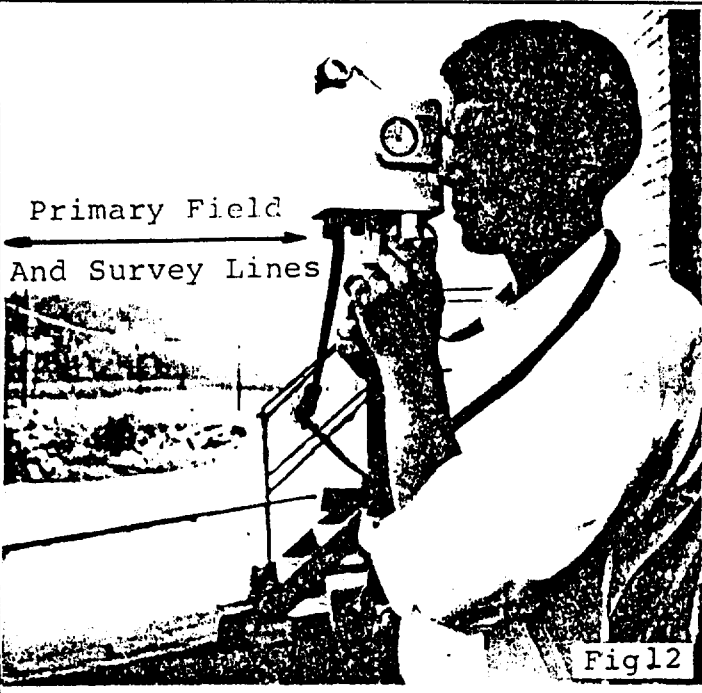


Fig.12

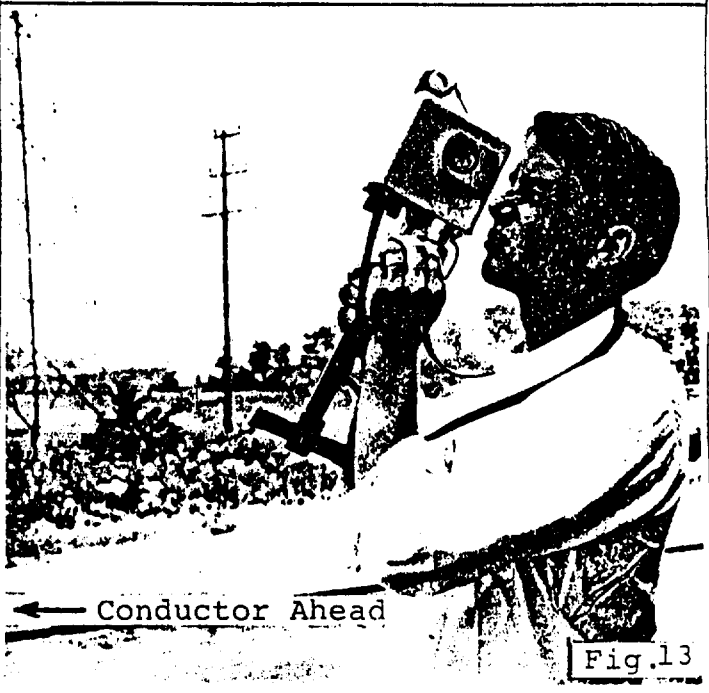


Fig.13

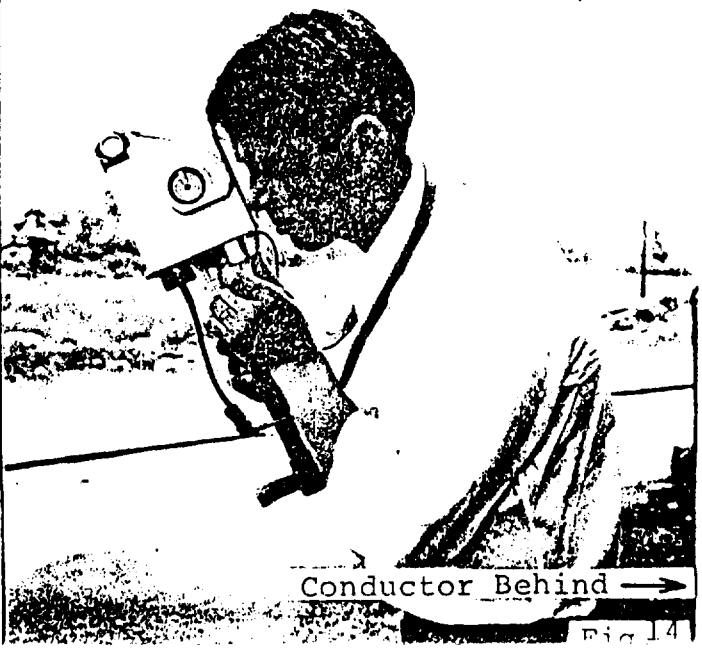


Fig.14

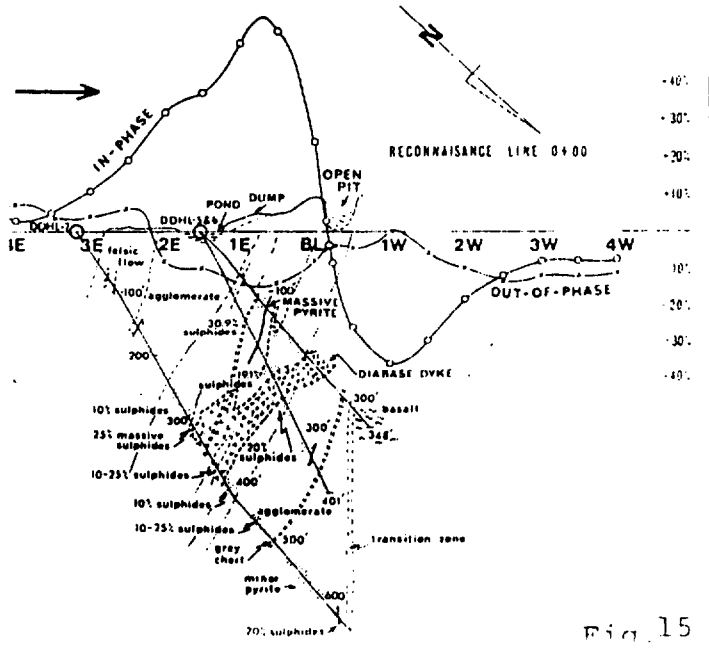


Fig.15

Appendix C:

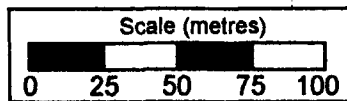
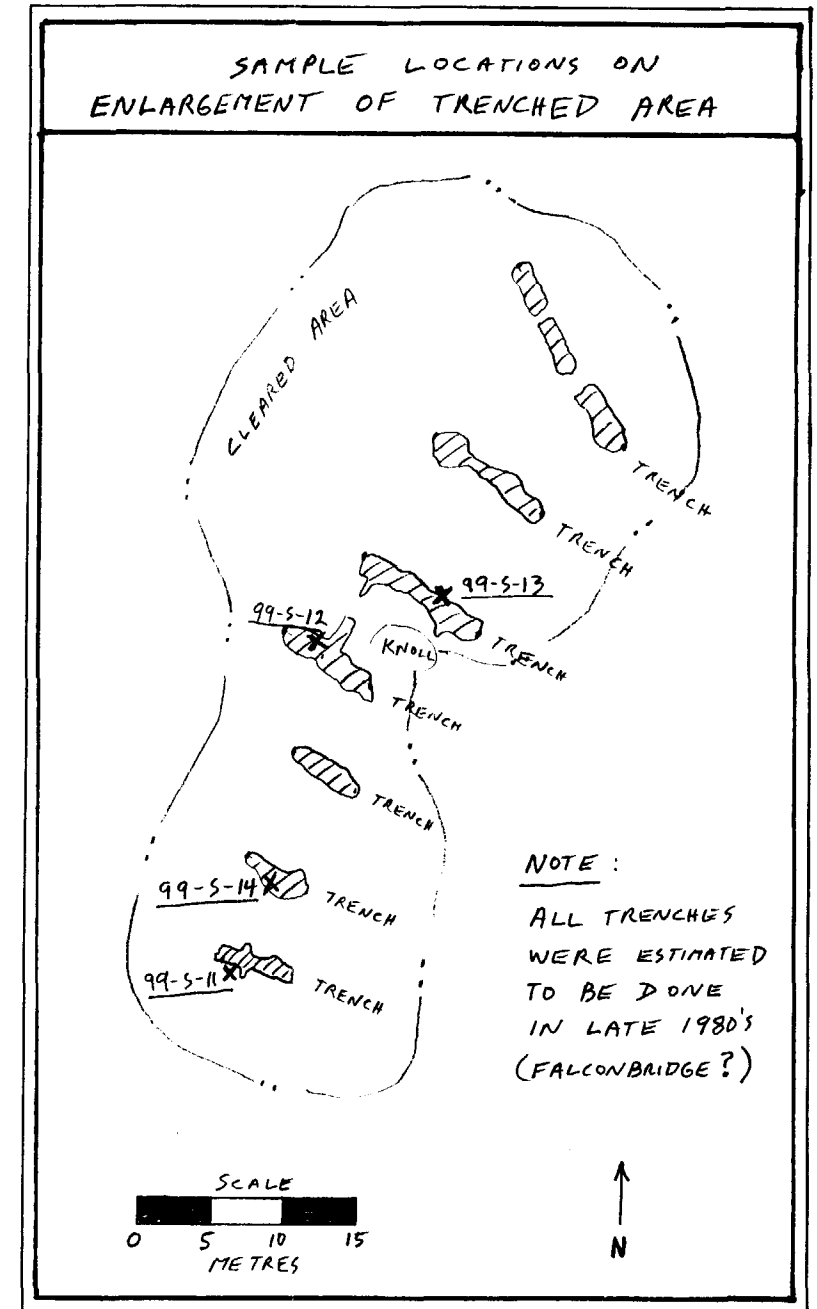
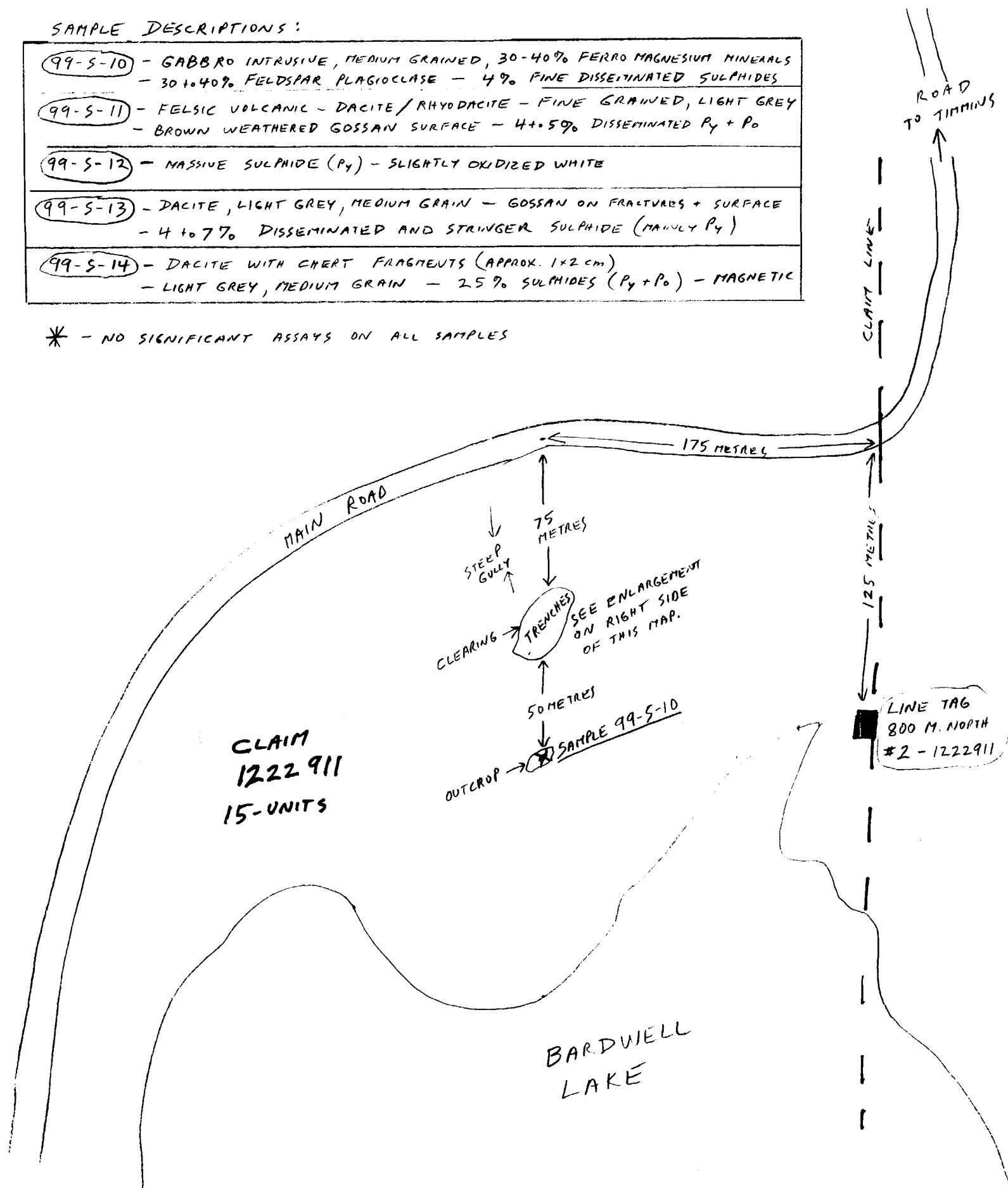
Prospecting Traverses - Grids A to D

(Figures 12 to 29)

SAMPLE DESCRIPTIONS:

99-5-10	- GABBRO INTRUSIVE, MEDIUM GRAINED, 30-40% FERRO MAGNESIUM MINERALS - 30+40% FELDSPAR PLAGIOCLASE - 4% FINE DISSEMINATED SULPHIDES
99-5-11	- FELSIC VOLCANIC - DACITE / RHYODACITE - FINE GRAINED, LIGHT GREY - BROWN WEATHERED GOSSAN SURFACE - 4+5% DISSEMINATED $P_y + P_o$
99-5-12	- MASSIVE SULPHIDE (P_y) - SLIGHTLY OXIDIZED WHITE
99-5-13	- DACITE, LIGHT GREY, MEDIUM GRAIN - GOSSAN ON FRACTURES + SURFACE - 4 to 7% DISSEMINATED AND STRINGER SULPHIDE (MAINLY P_y)
99-5-14	- DACITE WITH CHERT FRAGMENTS (APPROX. 1x2 cm) - LIGHT GREY, MEDIUM GRAIN - 2.5% SULPHIDES ($P_y + P_o$) - MAGNETIC

* - NO SIGNIFICANT ASSAYS ON ALL SAMPLES



N ↑
astronomic

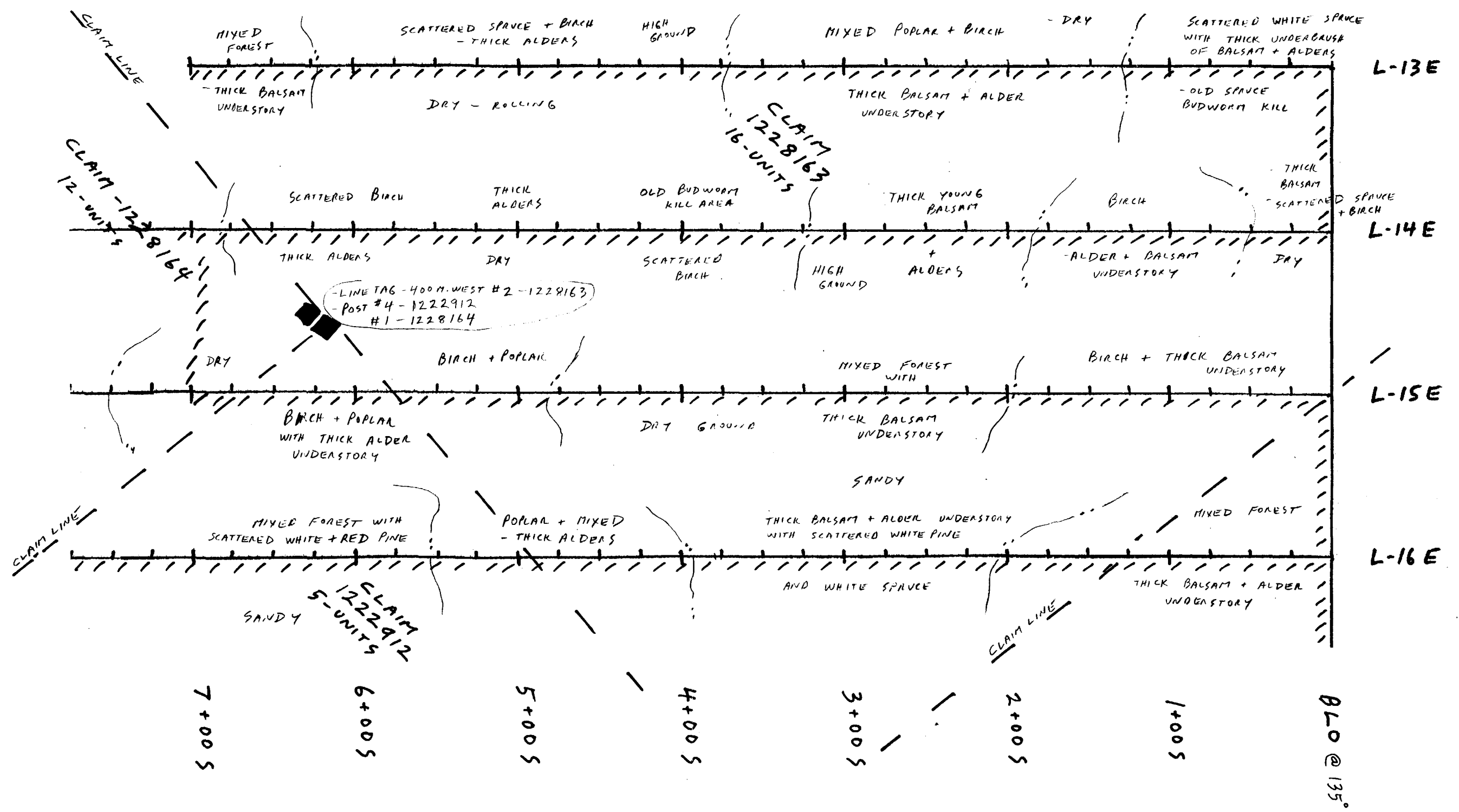
JUNE 12/99 - LOCATED + CLEANED TRENCHES
JUNE 13/99 - CLEANED + SAMPLED (5 ASSAY SAMPLES)

Traverses Performed by David V. Jones
License # M21190 *D. Jones*

Sothman Twp.
Porcupine Mining Division

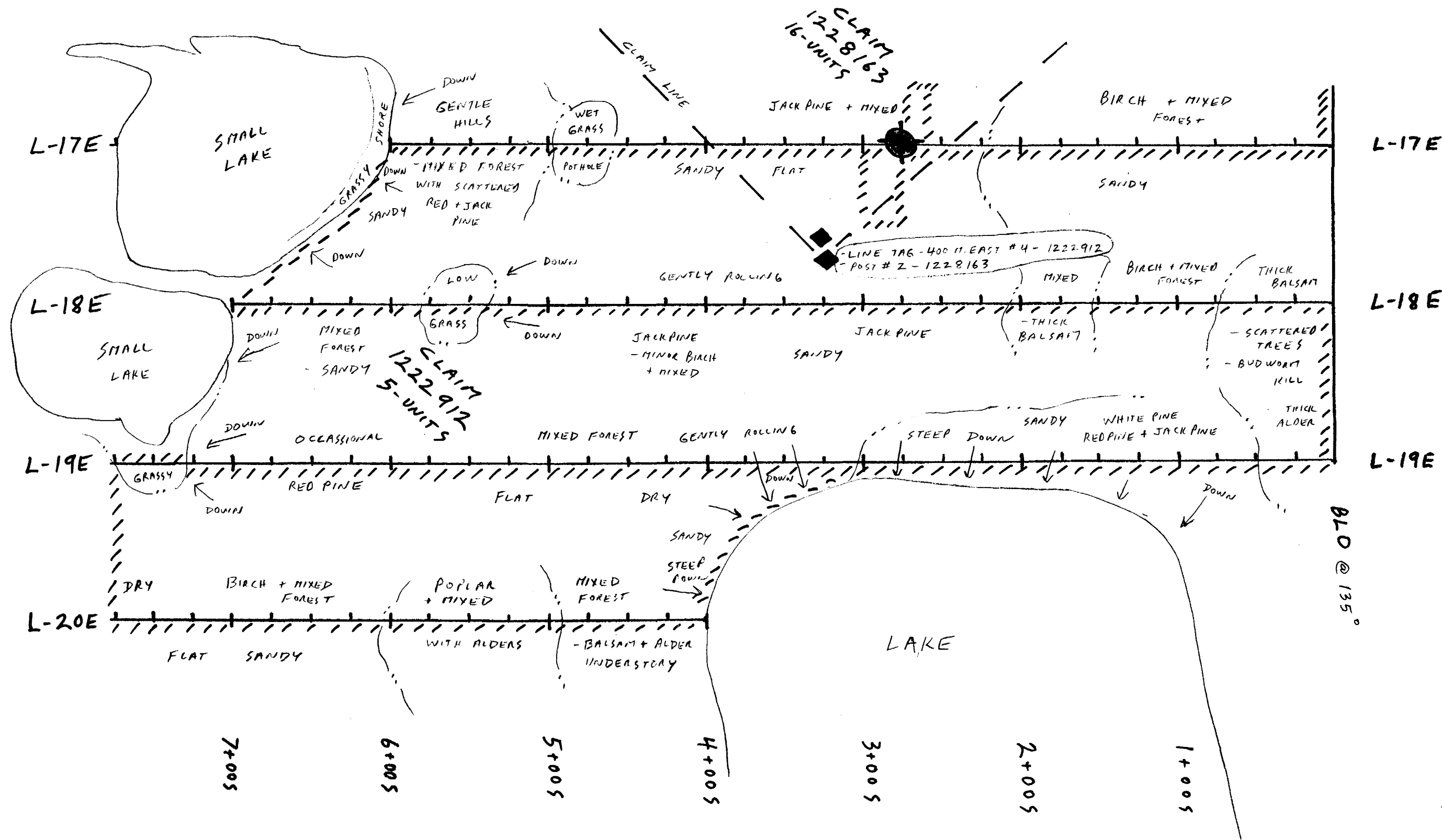
Prospecting - NORTH BARDWELL LK
(CLEAN + SAMPLE TRENCHES)

Figure #12



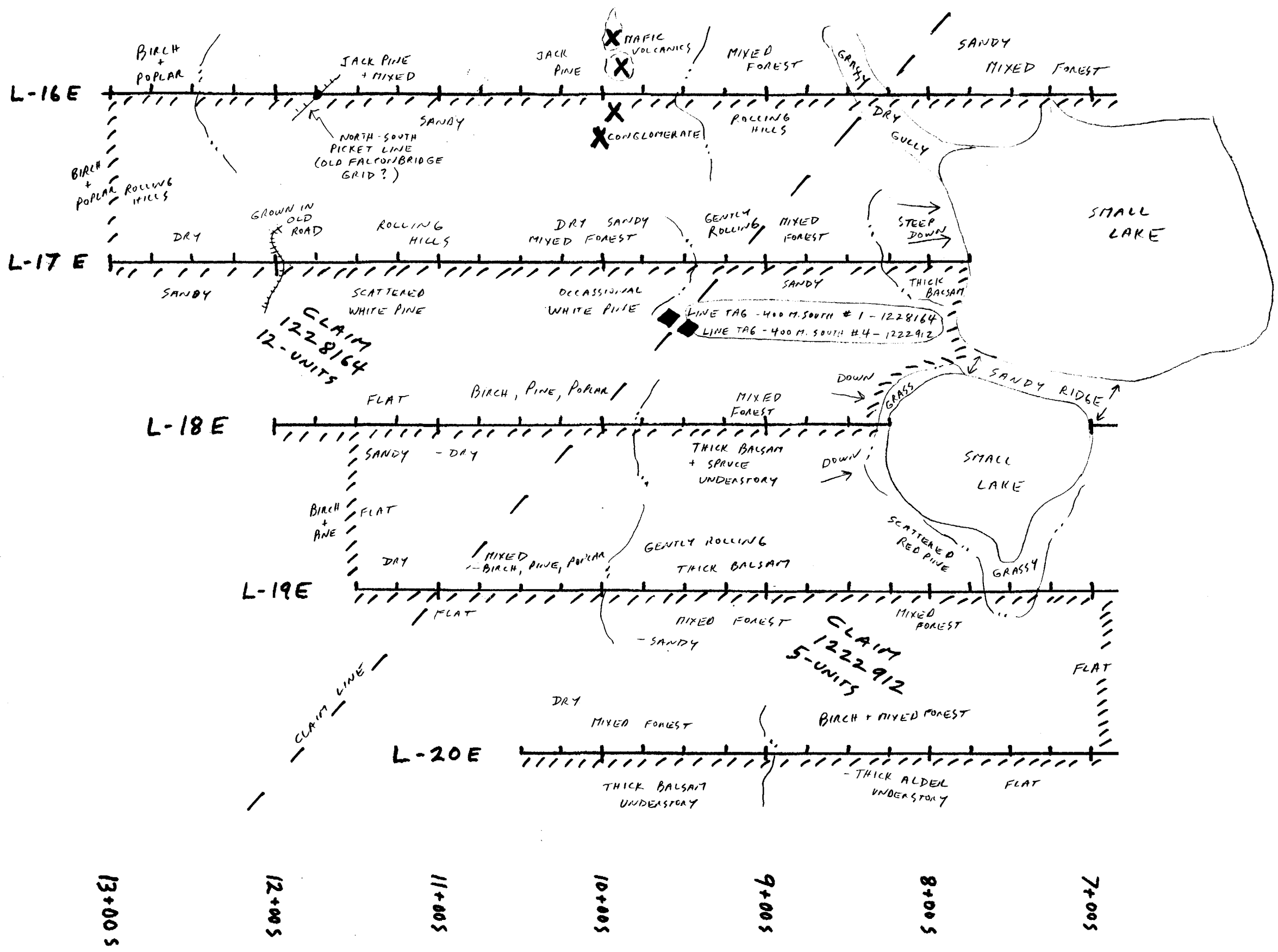
Legend

- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 13E to 16E (From BLO to 7+00S)	Figure #13
Scale (metres) 	 Grid lines @ 045 degrees astronomic	SEPT. 2 / 99 Traverses = 3.2 KM	Traverses Performed by David V. Jones License # M21190.			



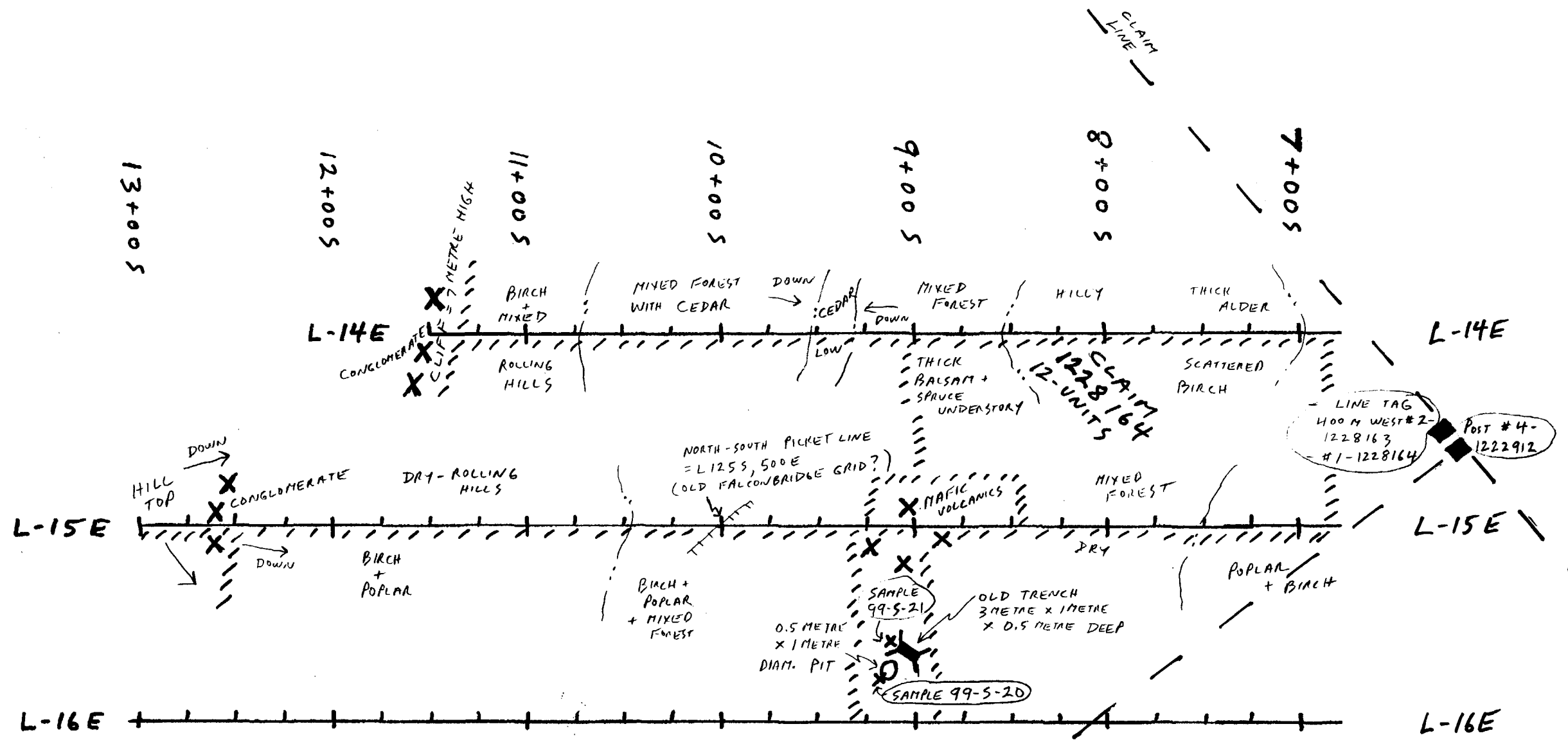
Legend

- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 17E to 20E (FROM BLD to 7+00S)	Figure # 14
Scale (metres) 	N astronomic Grid lines @ 045 degrees	SEPT. 3/99 Traverses = 2.9 KM	Traverses Performed by David V. Jones License # M21190			



Legend

- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 16E to 20E (From 7+00S to 13+00S)
Scale (metres) 0 25 50 75 100	N astronomic Grid lines @ 045 degrees	SEPT. 4/99 Traverses = 11111 2.6 KM	Traverses Performed by David V. Jones License # M21190	Figure #15	



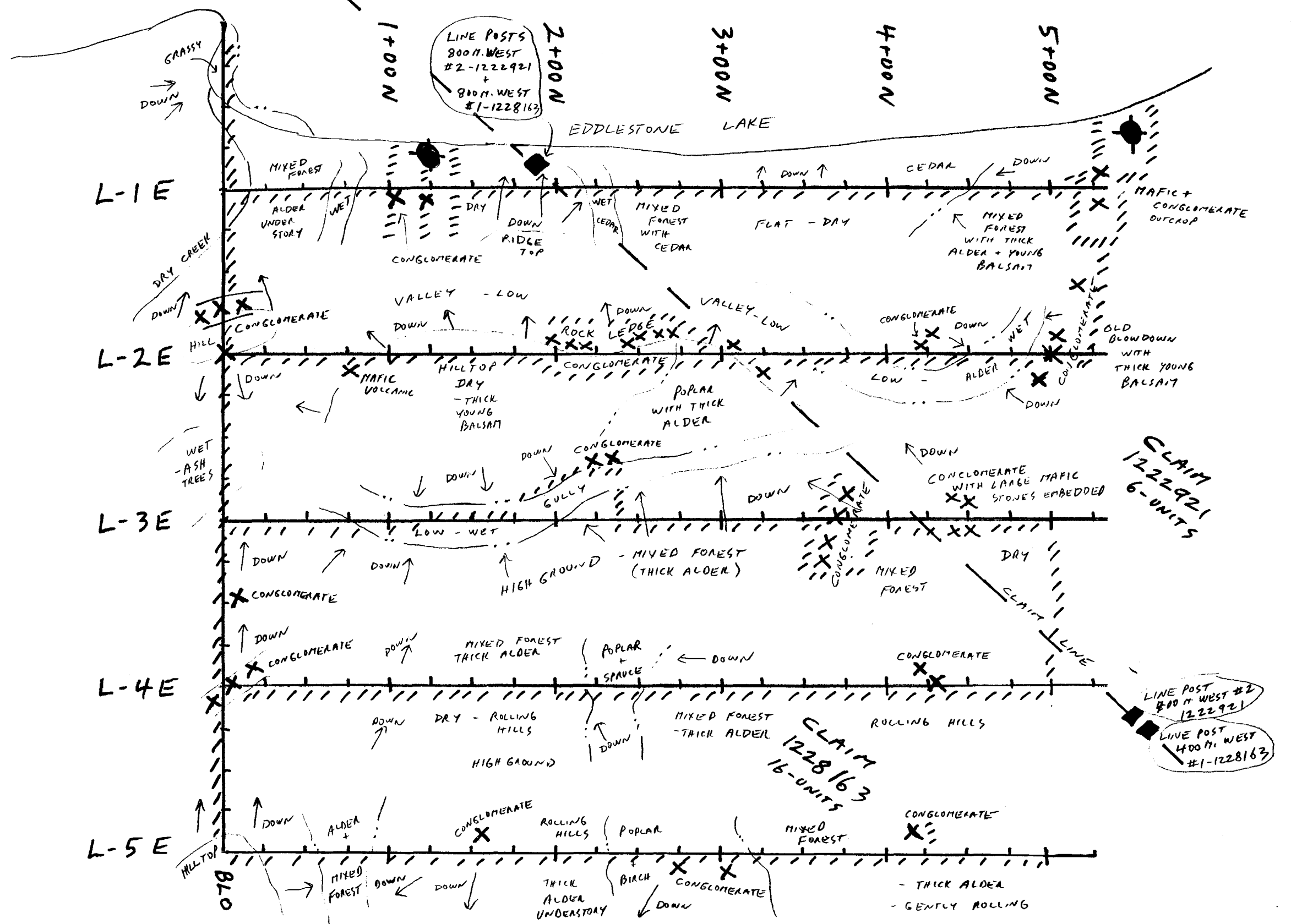
GRAB SAMPLE DESCRIPTION

99-S-20 = 690 PPB Au (SEE REPORT)
 - BLEACHED BASALT, WEAKLY TALCOSE
 - 4% CUBIC PYRITE
 - 3-4% QUARTZ STRINGERS

99-S-21 = GREY BASALT
 - 7-10% QUARTZ CLOTS + VEINLETS
 - MINOR DISSEMINATED PYRITE (1%)

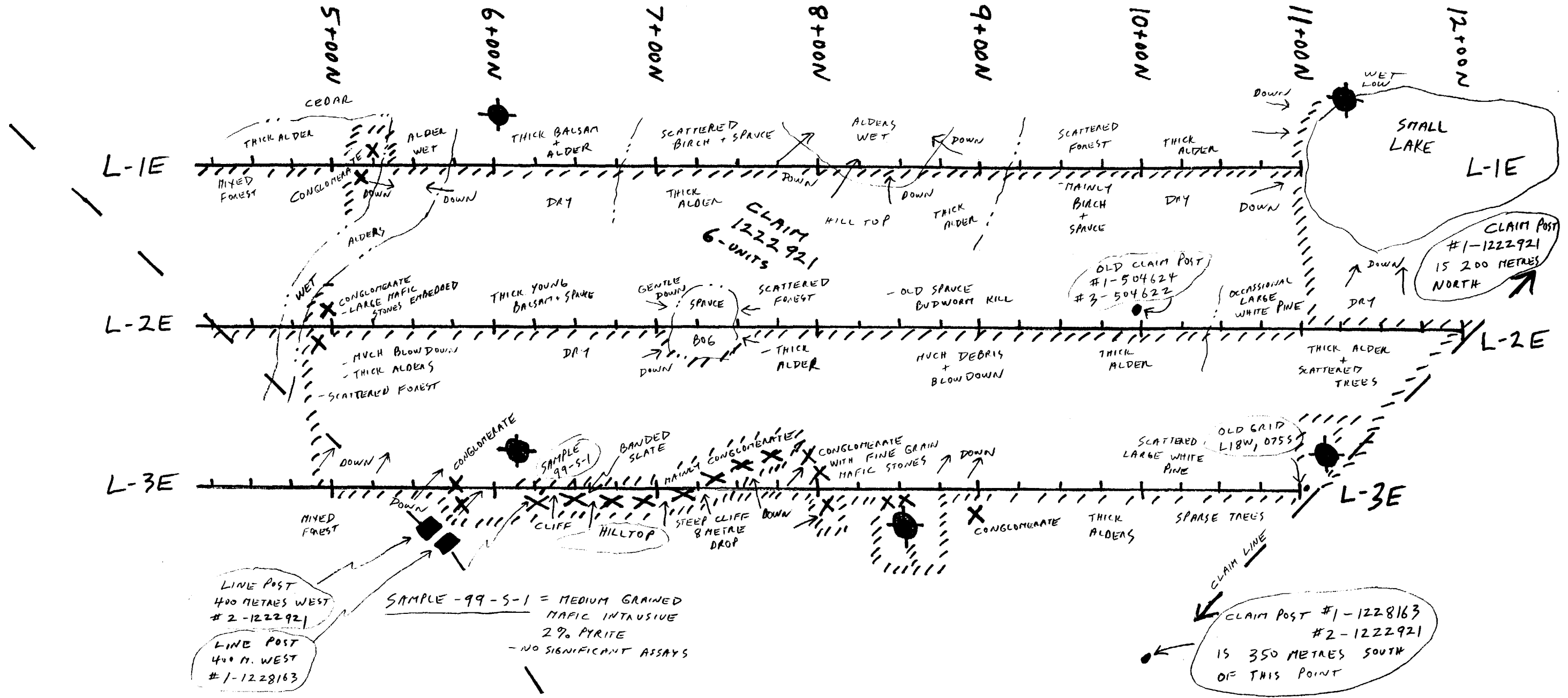
Legend

- outcrop - Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid - Forest Stand Boundary	SEPT. 18/99 Traverses = 1.4 KM	Traverses Performed by David V. Jones License # M21190 <i>Dupre</i>	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 14E to 15E (FROM 7+005 to 13+005)	Figure # 16
Scale (metres) 	N Grid lines @ 045 degrees astronomical					



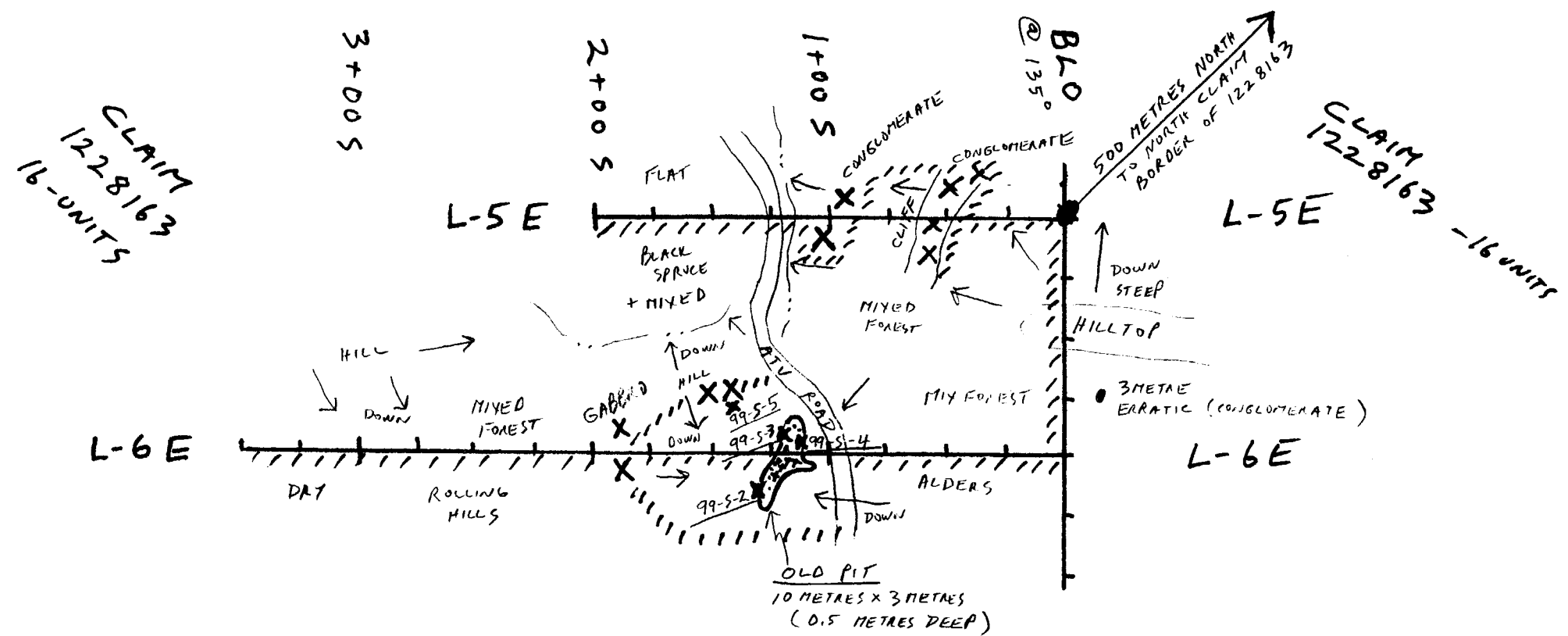
Legend

<p>X - outcrop</p>	<p>⊙ - Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)</p>	<p>— — — — — - Flagged grid</p>	<p>⋯⋯⋯ - Forest Stand Boundary</p>	<p>Sothman Twp. Porcupine Mining Division</p>	<p>Prospecting Traverses - Grid A Lines 1E to 5E (FROM BLD to 500N)</p>	<p>Figure #17</p>
<p>Scale (metres) 0 25 50 75 100</p>	<p>N ↑ astronomic Grid lines @ 045 degrees</p>	<p>JUNE 30/99 Traverses = 3.4 KM</p>	<p>Traverses Performed by David V. Jones License # M21190</p>	<p></p>	<p></p>	<p></p>



Legend

- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary
Scale (metres) 0 25 50 75 100	N ↑ Grid lines @ 045 degrees astronomic	JUNE 22/99 Traverses = 2.3 KM - 1 ASSAY SAMPLE	Traverses Performed by David V. Jones License # M21190 <i>D.V. Jones</i>
Sothman Twp. Porcupine Mining Division		Prospecting Traverses - Grid A Lines 1E to 3E (FROM 500N to 1200N)	
			Figure # 18



SAMPLE DESCRIPTIONS:

NO SIGNIFICANT ASSAYS

- 99-S-2 - GREY FELDSPAR PORPHYRY INTRUSIVE
 - MEDIUM GRAINED, SILICIFIED FRACTURE PLANES
 - 10-15% Py WITH SEMI MASSIVE 2"-3" CLOTS
 - FINE GRAIN BLACK CHLORITIC MAFIC FRAGMENTS

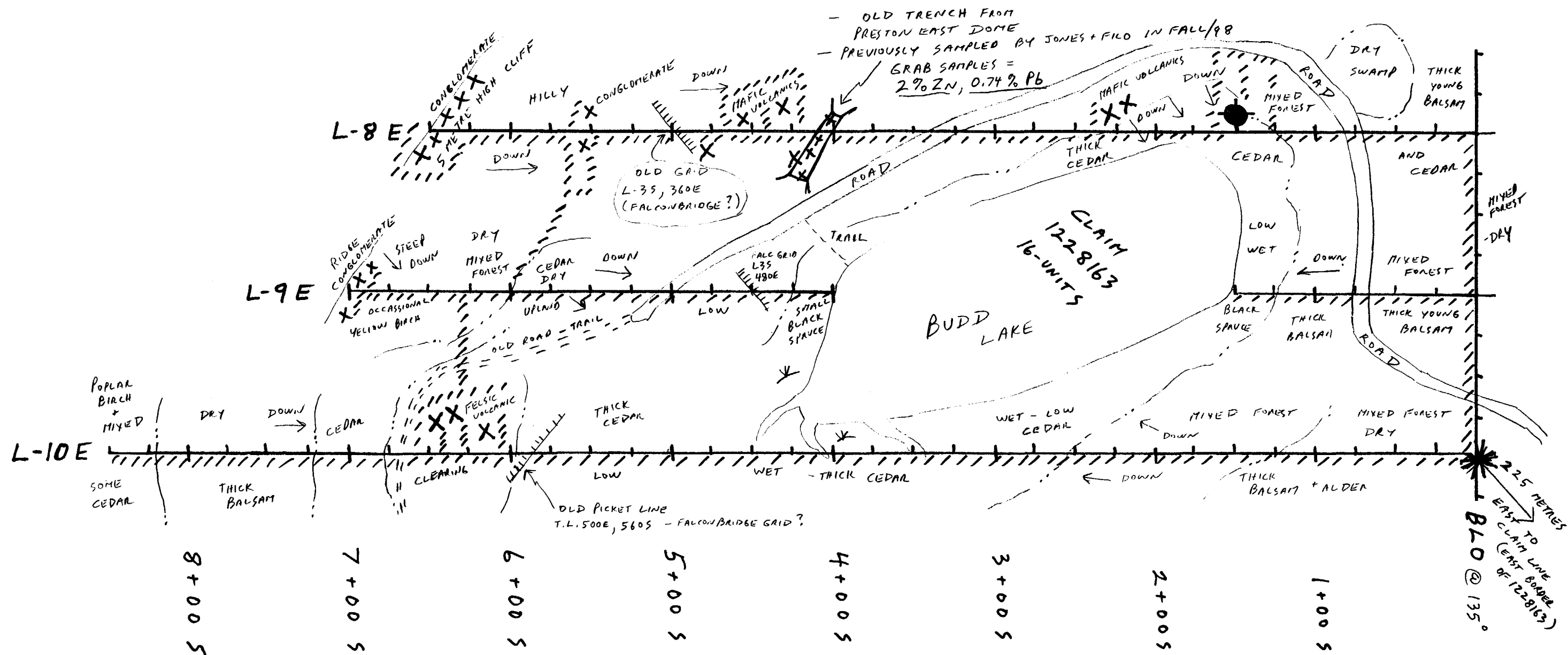
- 99-S-3 - MEDIUM GRAIN MAFIC INTRUSIVE
 - 2% Py WITH 1 CM QUARTZ VEINING

- 99-S-4 - SILICIFIED FINE GRAIN, LIGHT GREY ULTRAMAFIC
 - NUMEROUS CHLORITIC MAFIC FRAGMENTS
 - 10-15% Py (FRAGMENTS HOST MOST OF SULPHIDES)

- 99-S-5 - ULTRAMAFIC INTRUSIVE - PYROXENITE?
 - COARSE GRAINED PYROXENE CRYSTALS
 - 5% DISSEMINATED Py
 - MAGNETIC

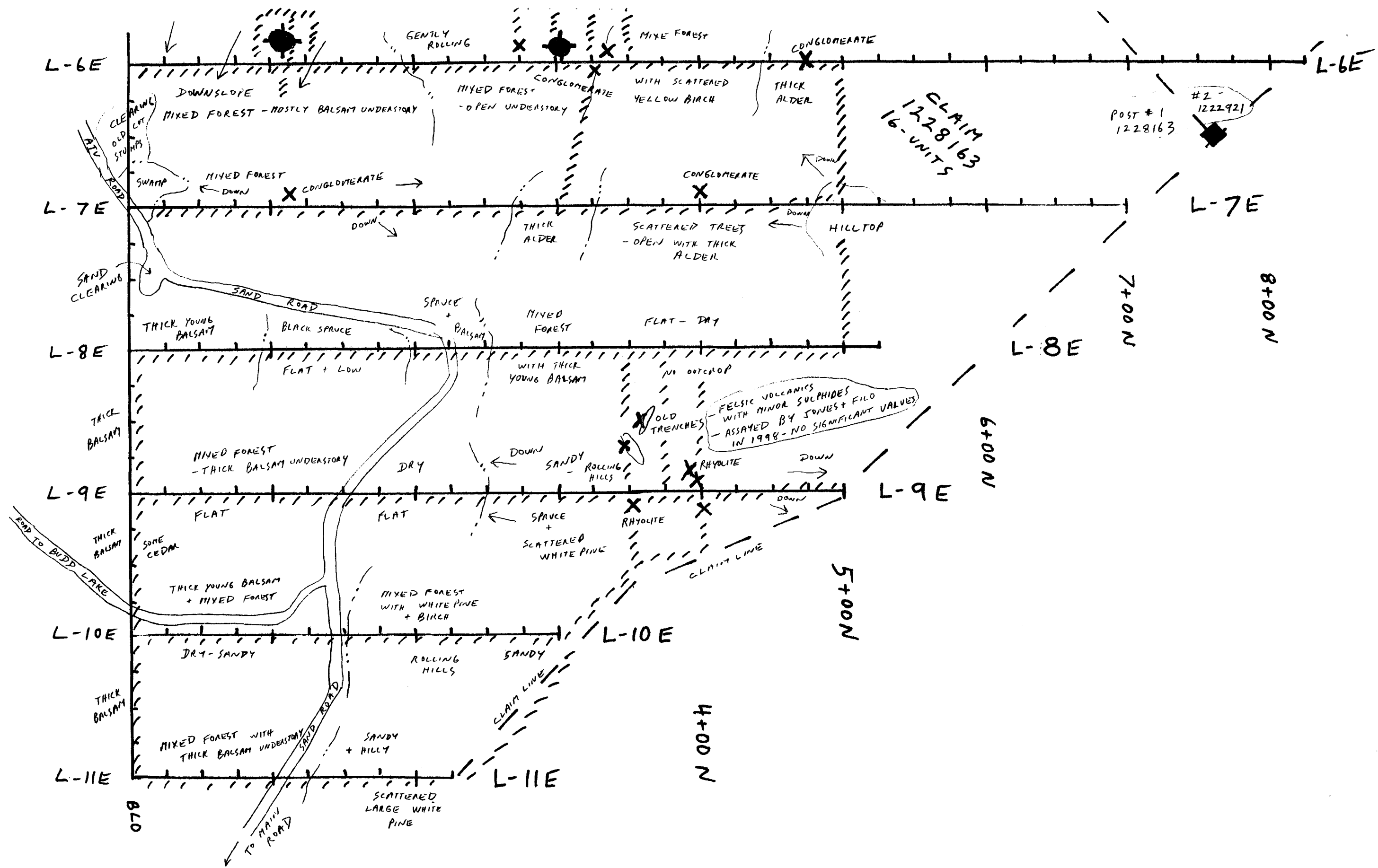
Legend

X - outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary	Traverses Performed by David V. Jones License # M21190 <i>D. Jones</i>	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 5E + 6E (FROM BLD to 350S)	Figure # 19
Scale (metres) 	- Grid lines @ 045 degrees astronomical	JUNE 23/99 Traverses = 0.8 KM - 4 ASSAY SAMPLES					



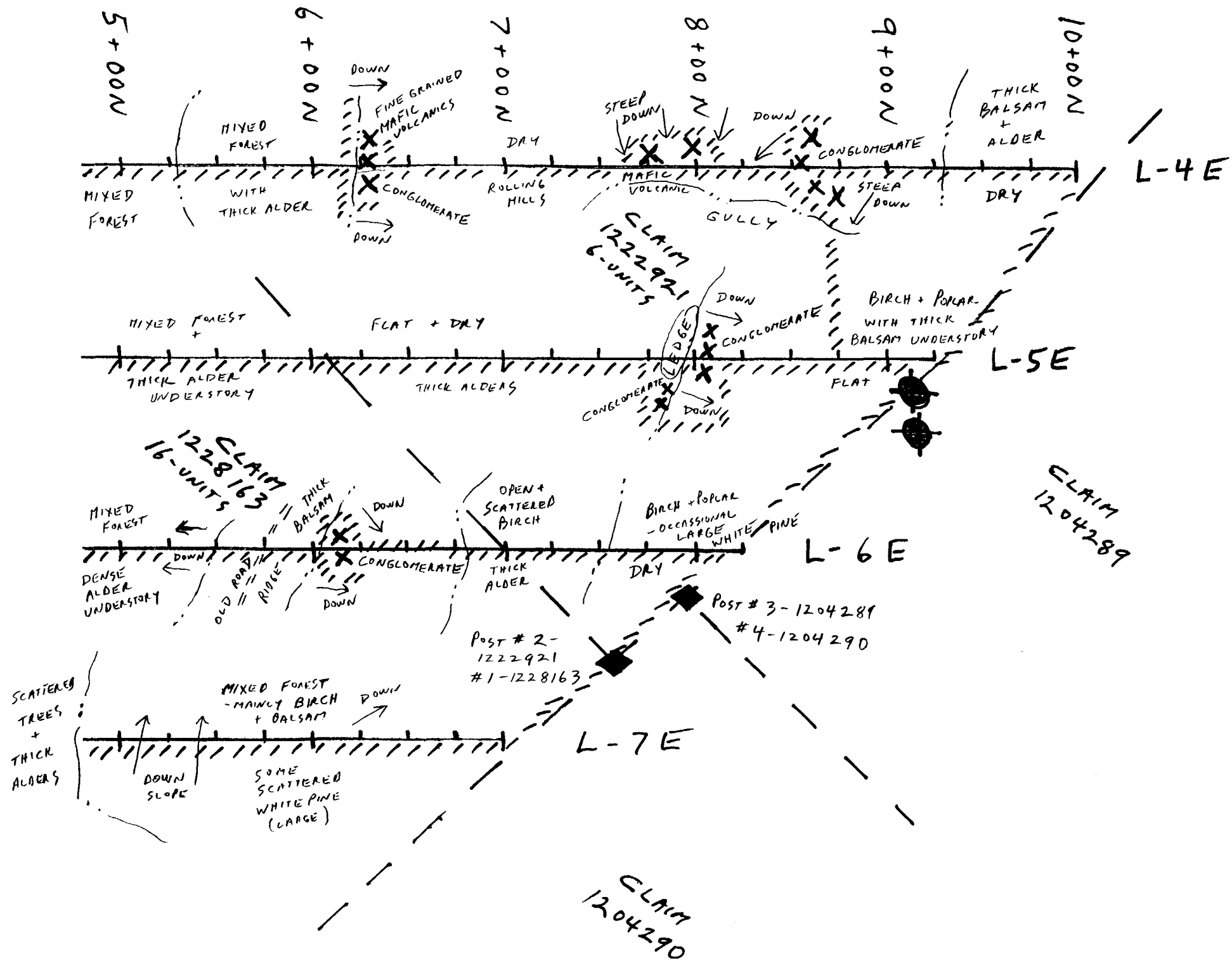
Legend

- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 8E to 10E (FROM BLD TO 850 S)	Figure #20
Scale (metres) 	N astronomic Grid lines @ 045 degrees	JUNE 27/99 Traverses = 2.5 KM	Traverses Performed by David V. Jones License # M21190			



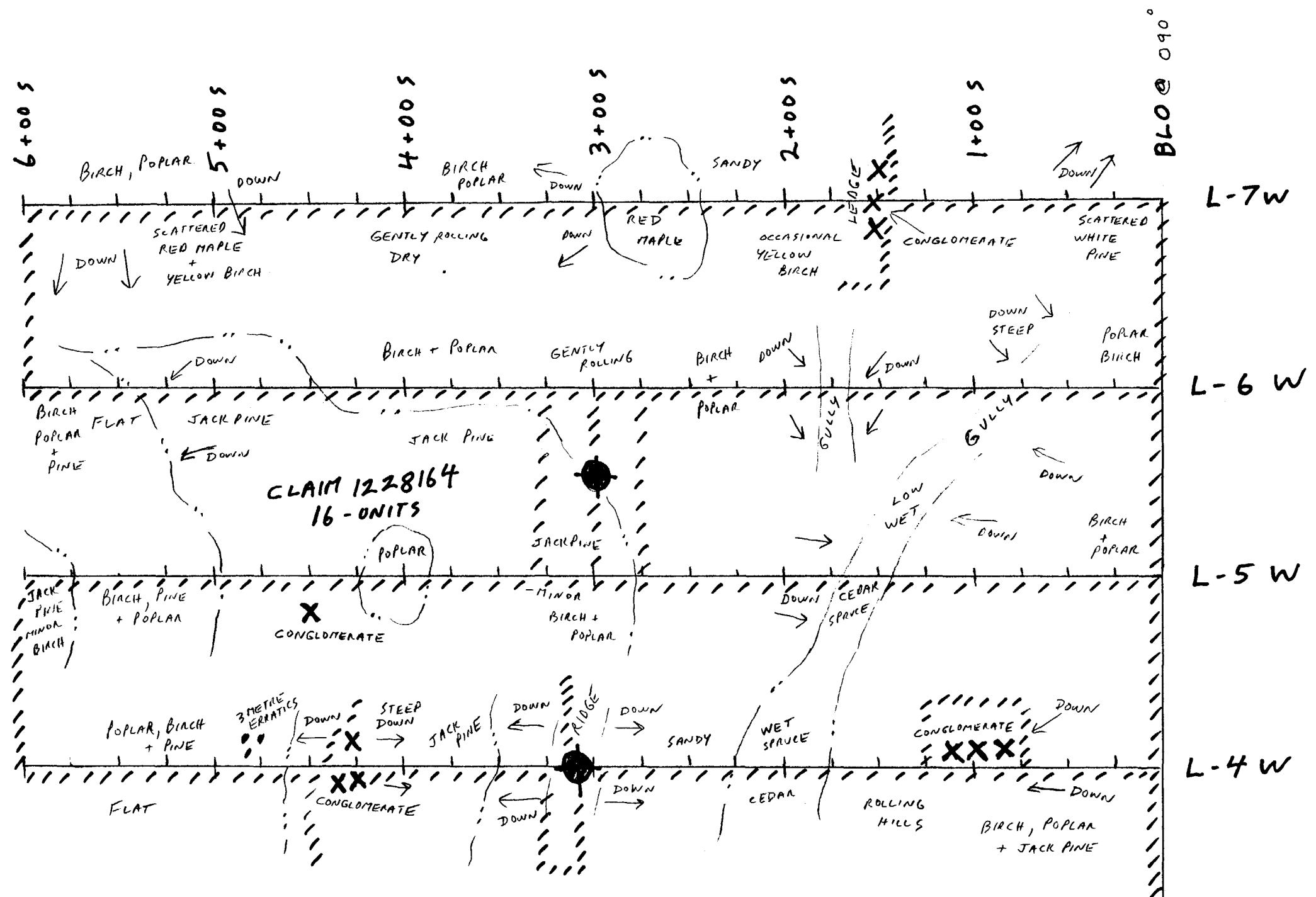
Legend

- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary			
Scale (metres) 	N Grid lines @ 0.45 degrees	JULY 22/99 Traverses = 3.0 KM	Traverses Performed by David V. Jones License # M21190	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 6E to 11E (FROM BLO to 500N)	Figure #21



Legend

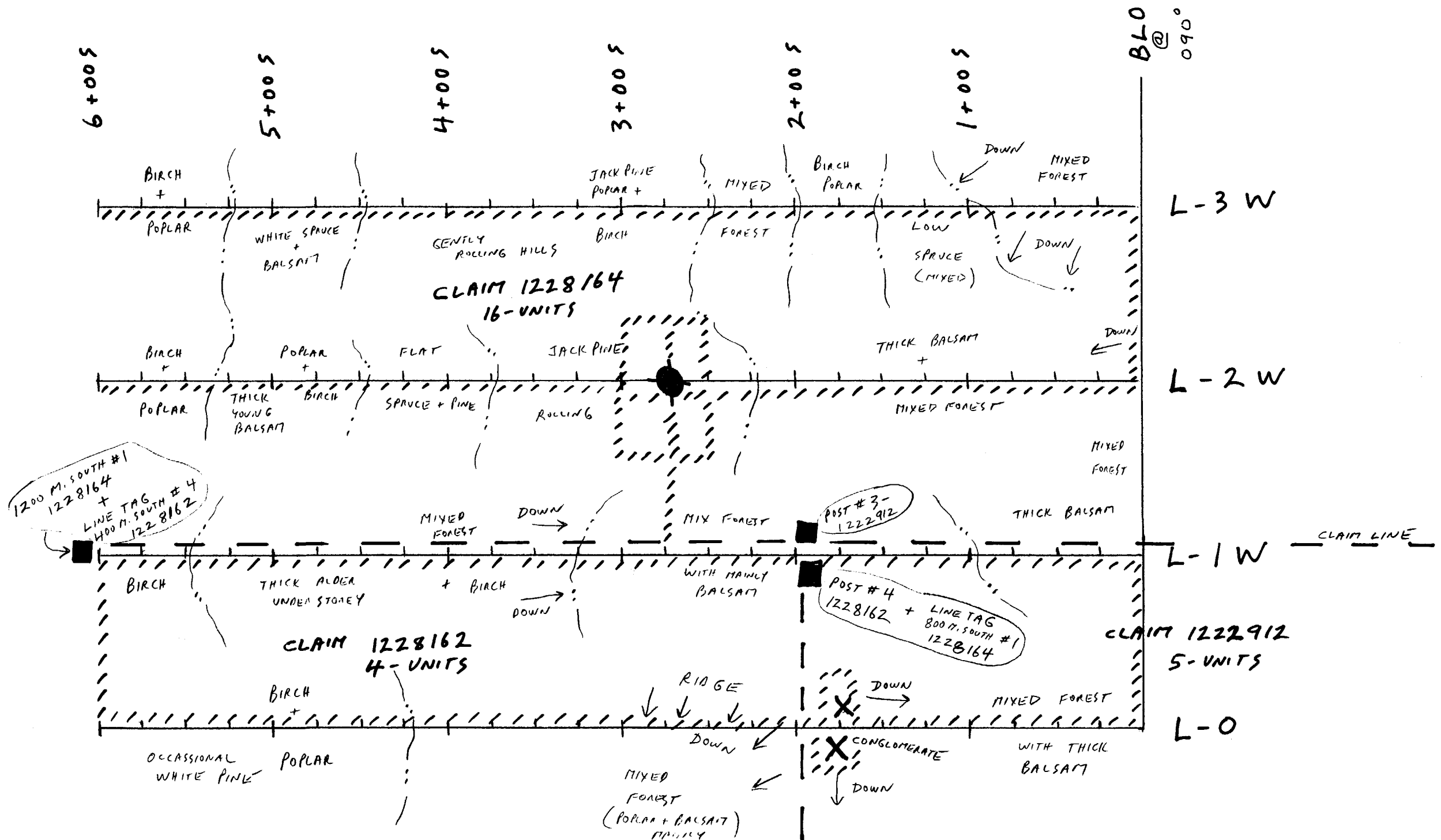
- outcrop	- Airborne Input EM anomalies (OGS - 1991 Shining Tree Survey)	- Flagged grid	- Forest Stand Boundary		
Scale (metres) 	N Grid lines @ 045 degrees astronomical	JULY 23/99 Traverses = 2.0 KM	Traverses Performed by David V. Jones License # M21190	Sothman Twp. Porcupine Mining Division	Prospecting Traverses - Grid A Lines 4E to 7E (FROM 500N to 1000N)



* CLAIM POST 15
 200 METRES SOUTH
 AND 200 METRES EAST
 (POST # 3 - 1222912 + #4 - 1228162
 LINETAG 800M. SOUTH #1 - 1228164)

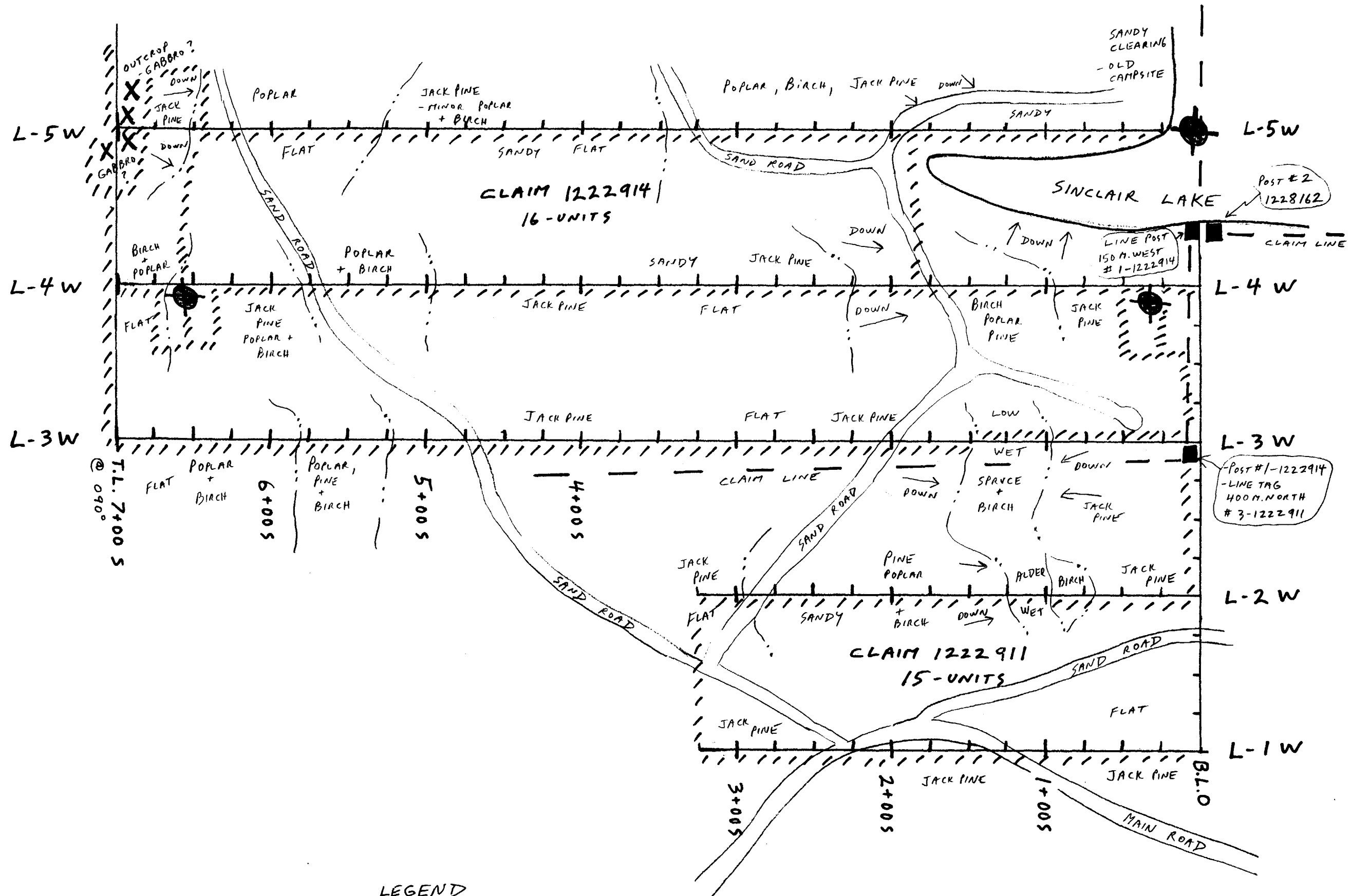
LEGEND

<p>X - OUTCROP</p>	<p>● - AIRBORNE INPUT EM ANOMALIES (OBS-1991-SHINING TREE SURVEY)</p>	<p>— — — — — FLAGGED GRID</p>	<p>⋯⋯⋯ FOREST STAND BOUNDARIES</p>	<p>Sothman Twp. Porcupine Mining Division</p>	<p>Prospecting Traverses - Grid B Lines 4W to 7W</p>	<p>Figure #23</p>
<p>Scale (metres) 0 25 50 75 100</p>	<p>N → Grid lines @ 360 degrees astronomic</p>	<p>JULY 11/99 Traverses = // // // // // 3.4 KM</p>	<p>Traverses Performed by David V. Jones License # M21190</p>			



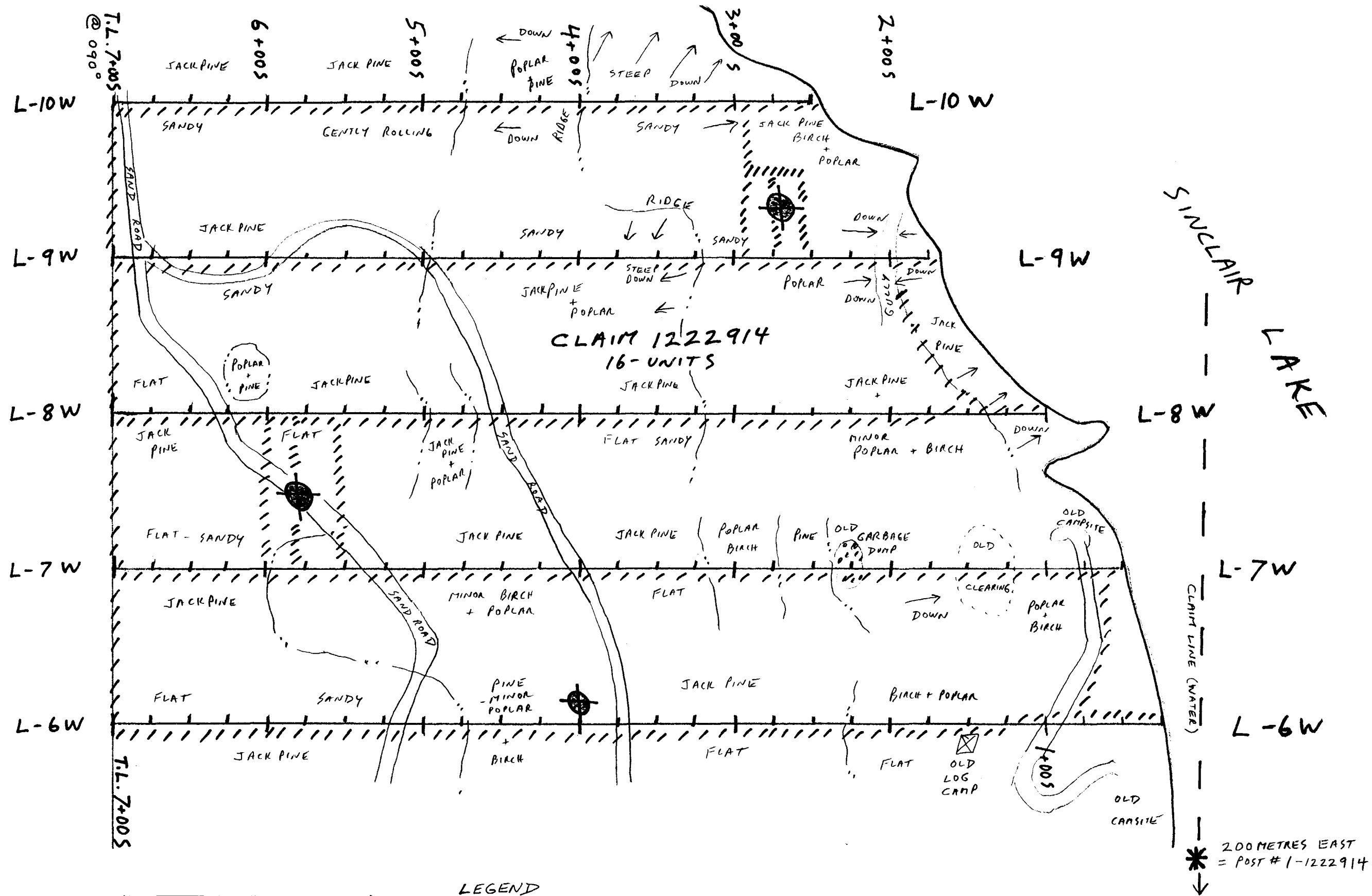
LEGEND

<p>X - OUTCROP</p>	<p>AIRBORNE INPUT EM ANOMALIES (OGS-1991-SHINING TREE SURVEY)</p>	<p>FLAGGED GRID</p>	<p>FOREST STAND BOUNDARY</p>	<p>Traverses Performed by David V. Jones License # M21190 <i>Dupre</i></p>	<p>Sothman Twp. Porcupine Mining Division</p>	<p>Figure #24</p>
<p>Scale (metres) 0 25 50 75 100</p>	<p>N → Grid lines @ 360 degrees astronomic</p>	<p>JULY 12/99 Traverses = // // // // 2.9 KM</p>	<p>Prospecting Traverses - Grid B Lines 0 to 3 W</p>			



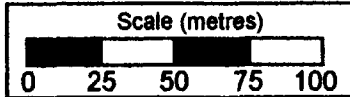
LEGEND

<p>X - OUTCROP</p>	<p>--- FOREST STAND BOUNDARY</p>	<p>--- FLAGGED GRID</p>	<p>● - AIRBORNE INPUT EM ANOMALIES (OBS - 1991 SHINING TREE SURVEY)</p>
<p>Scale (metres)</p> <p>0 25 50 75 100</p>	<p>N → Grid lines @ 360 degrees astronomical</p>	<p>OCT. 1/99 Traverses = </p> <p>3.3 KM</p>	<p>Traverses Performed by David V. Jones License # M21190</p>
<p>Sothman Twp. Porcupine Mining Division</p>		<p>Prospecting Traverses - Grid C Lines 1W to 5W (SOUTH SECTIONS)</p>	<p>Figure #25</p>



LEGEND

FOREST STAND BOUNDARIES	FLAGGED GRID	AIRBORNE INPUT EM ANOMALIES (OGS-1991-SHINING TREE SURVEY)
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N
astronomic
Grid lines @ 360 degrees

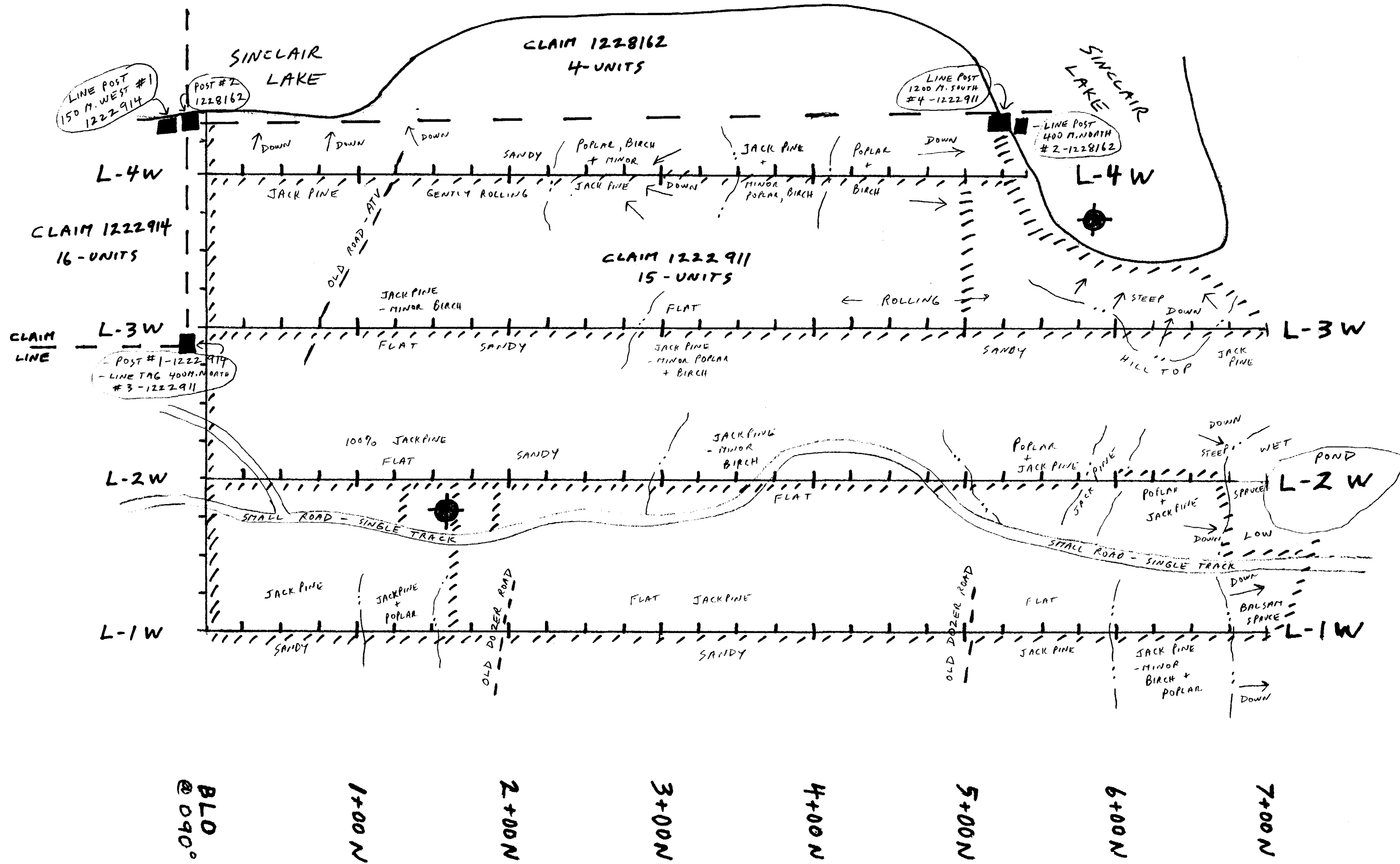
OCT. 2/99 Traverses = // // // // //
3.8 KM

Traverses Performed by David V. Jones
License # M21190

Sothman Twp.
Porcupine Mining Division

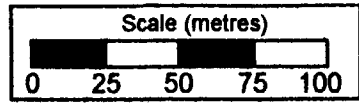
Prospecting Traverses - Grid C
Lines 6W to 10W (SOUTH SECTIONS)

Figure #26



LEGEND

- FOREST STAND BOUNDARY	- FLAGGED GRID	- AIRBORNE INPUT EM ANOMALIES (OGS-1991 SHINING TREE SURVEY)
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N → Grid lines @ 360 degrees astronomical

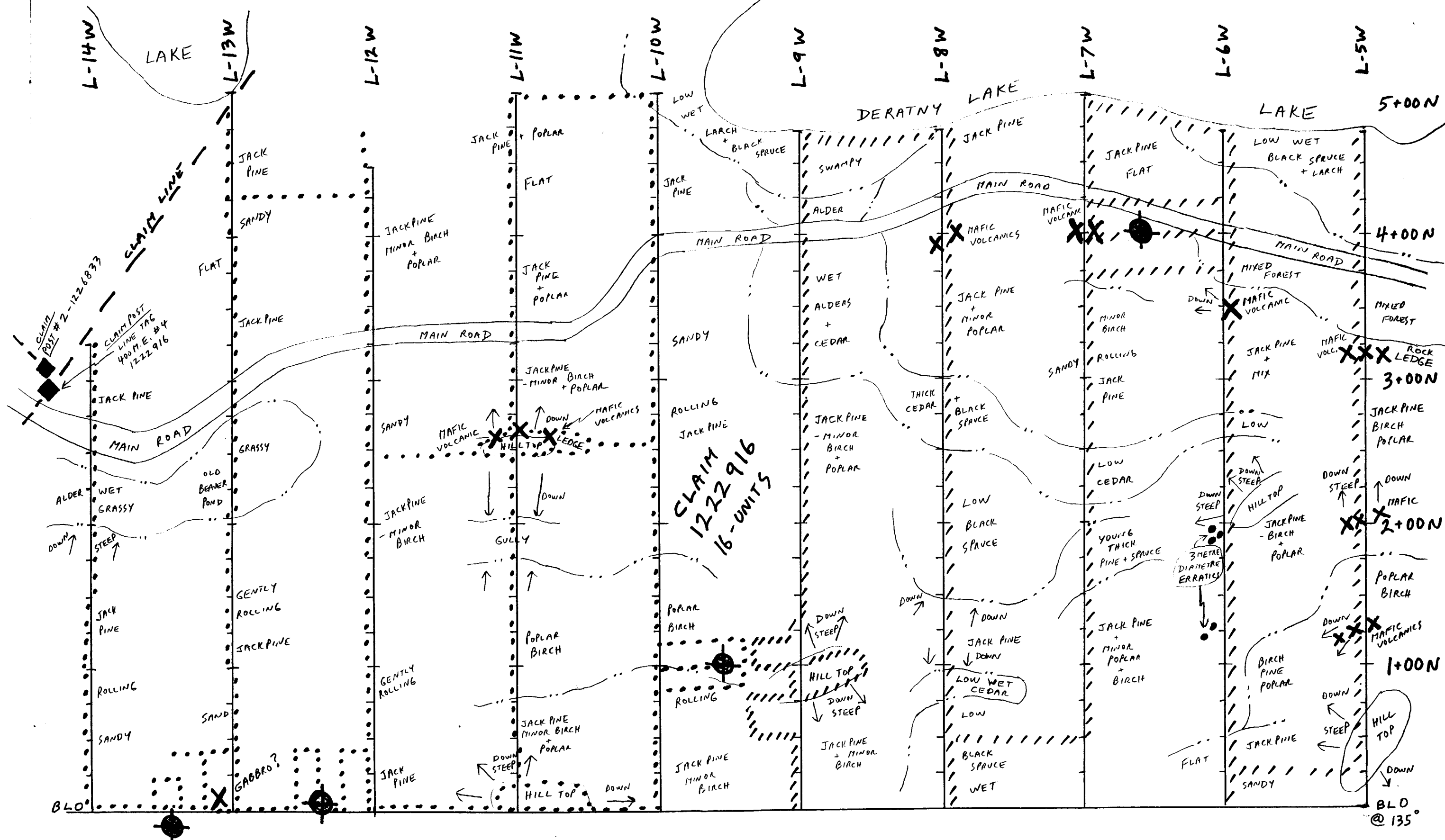
SEPT. 29/99 Traverses = 2.8 KM

Traverses Performed by David V. Jones License # M21190

Sothman Twp. Porcupine Mining Division

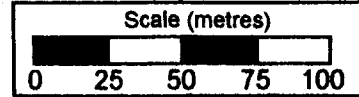
Prospecting Traverses - Grid C Lines 1W to 4W (NORTH SECTIONS)

Figure # 27



LEGEND

- FOREST STAND BOUNDARY	- OUTCROP	- FLAGGED GRID	- AIRBORNE INPUT EM ANOMALIES OGS-1991 SHINING TREE SURVEY
-------------------------	-----------	----------------	--



Grid lines @ 045 degrees
astronomic

3.1 KM - OCT. 8/99 Traverses =
3.2 KM - OCT. 9/99 Traverses = // // // //


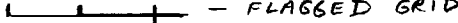


Traverses Performed by David V. Jones
License # M21190

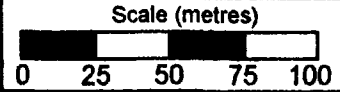
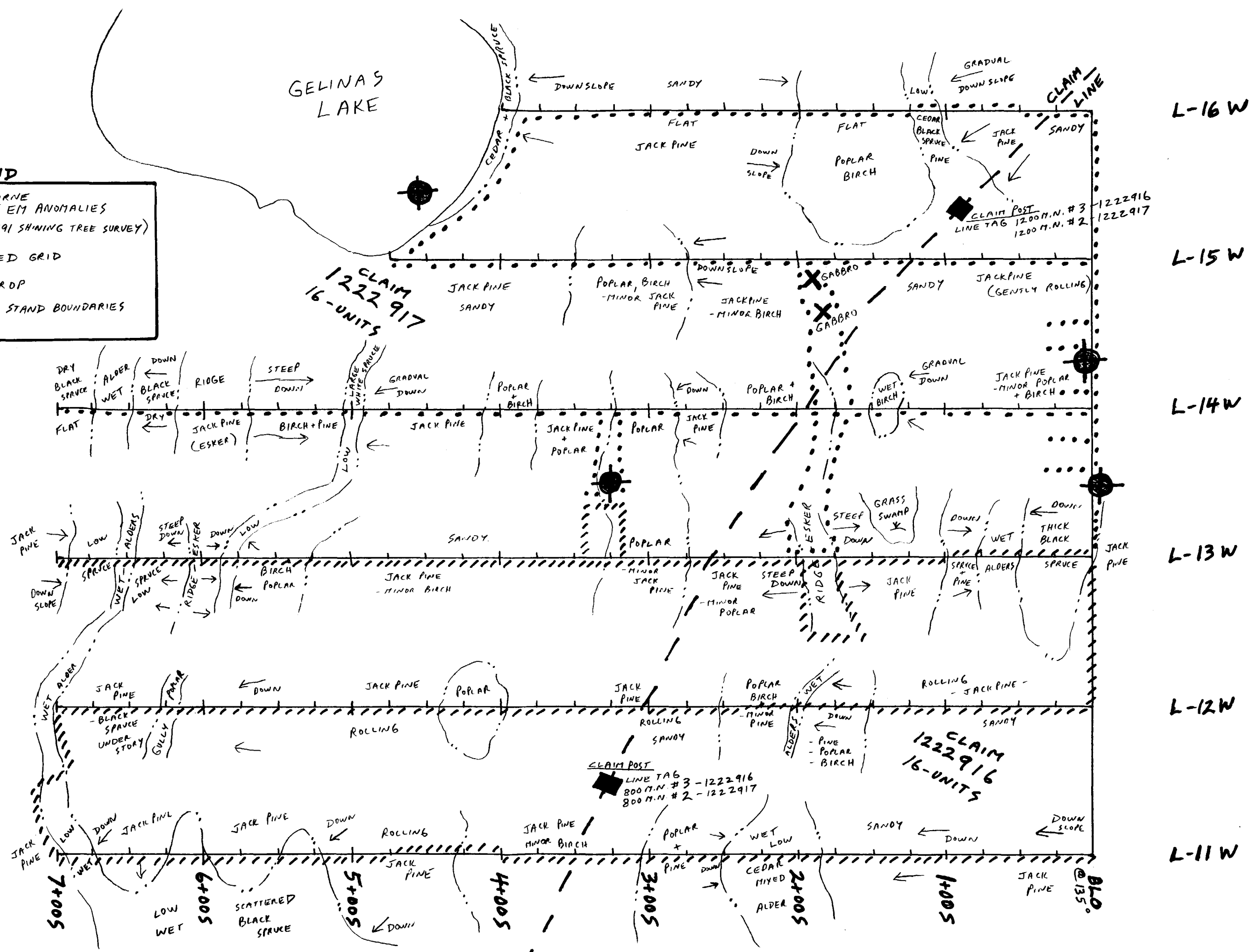
Sothman Twp.
Porcupine Mining Division

Prospecting Traverses - Grid D
Lines 5W to 14W (NORTH SECTIONS)

Figure # 28

LEGEND

-  AIRBORNE INPUT EM ANOMALIES (OGS-1991 SHINING TREE SURVEY)
-  FLAGGED GRID
-  OUTCROP
-  FOREST STAND BOUNDARIES



Grid lines @ 045 degrees

2.5 KM - SEPT. 28/99 Traverses =
 2.4 KM - AUG. 31/99 Traverses = |||

Traverses Performed by David V. Jones
 License # M21190

Sothman Twp.
 Porcupine Mining Division

Prospecting Traverses - Grid D
 Lines 11W to 16W (SOUTH SECTIONS)

Figure #29



41P14NW2003 2.20288 SOTEMAN

900

Subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this collection and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

- Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

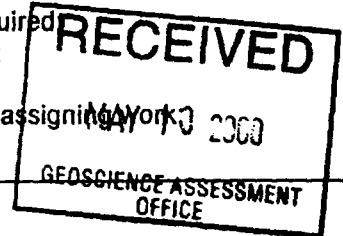
Name <i>DAVID V. JONES</i>	Client Number <i>149686 149868</i>
Address <i>BOX 1513</i>	Telephone Number <i>705-235-2474</i>
<i>SOUTH PORCUPINE P0N1H0</i>	Fax Number <i>705-235-2213</i>
Name <i>J. KEVIN FILD</i>	Client Number <i>131784</i>
Address <i>535 BARTLEMAN ST.</i>	Telephone Number <i>705-268-0371</i>
<i>TIMMINS P4N4X2</i>	Fax Number <i>705-268-5894</i>

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
 Physical: drilling stripping, trenching and associated assays
 Rehabilitation

Work Type <i>- GRID</i> <i>- PROSPECTING + ASSAYS</i> <i>- VLF EM 16</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>15,600</i>
Dates Work Performed From Day: <i>09</i> Month: <i>05</i> Year: <i>99</i> To Day: <i>26</i> Month: <i>01</i> Year: <i>2000</i>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Porcupine</i>
Township/Area <i>SOTEMAN + NURSEY TPS.</i>	Resident Geologist District <i>Timmins</i>
M or G-Plan Number <i>M-1121 + G-2282</i>	

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assignment;
- include two copies of your technical report.

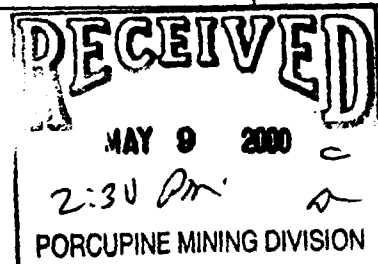

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name <i>DAVID V. JONES</i>	Telephone Number
Address <i>SAME AS ABOVE</i>	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, *DAVID V. JONES*, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date <i>JAN 27/2000</i>
Agent's Address	Telephone Number
	Fax Number



5. Work to be recorded and distributed. Work can only be assigned to claims that are on the same land where work was performed, at the time work was performed. A map showing the contiguous link must accompany form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1222 911 .	15	780	-	780	
2 1222 912 .	5	780	-	780	
3 1222 914 .	16	1560	-	1560	
4 1222 916 .	16	2340	-	2340	
5 1222 917 .	16	780	-	780	
6 1222 921 .	6	2340	-	2340	
⑦ 1228 163 .	16	4290	12800 ²⁴ 12800	-	2800
8 1228 164 .	12	2530	-	2530	
9 1228 165 .	1	200	-	200	
10					
11					
12					
13					
14					
15					
Column Totals	103 103	15,600	12,800	11,310	2,800

I, DAVID V. JONES, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing [Signature] Date JAN 27 / 2000

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

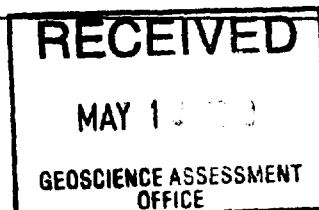
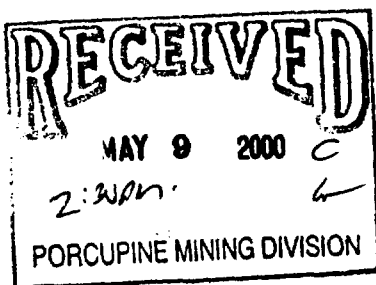
- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)



Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
GRID - COMPASS + FLAG	46.1 KM	\$ 90/KM	4,149
VLF EM 16	42.3 KM	\$ 90/KM	4,149
VLF MANUAL PLOTTING	42.3 KM	\$ 20/KM	846
PROSPECTING FIELD DAYS	21 DAYS	\$ 150/DAY	3,150
PROSPECT. TRAVERSE PLOTTING	11 DAYS	\$ 150/DAY	1,650
REPORT	3 DAYS	\$ 150/DAY	450
ASSAYS	11 MULTI ELEMENT + Au		229
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
21 DAYS PROSPECTING x 150 KM/DAY x 30 CENTS/KM			945
Food and Lodging Costs			
FIELD LUNCHEET (PROSPECTING)			32
Total Value of Assessment Work			15,600

RECEIVED
 MAY 13 2000
 GEOLOGICAL ASSESSMENT WORK OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, DAVID V. JONES, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as RECORDED HOLDER. I am authorized to make this certification.
(recorded holder, agent, or state company position with signing authority)

RECEIVED
 MAY 9 2000
 2:30 PM
 PORCUPINE MINING DIVISION

Signature <i>D. Jones</i>	Date JAN 27/2000
------------------------------	---------------------

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

May 23, 2000

JOHN KEVIN FILO
535 BAETLEMAN STREET
TIMMINS, Ontario
P4N-4X2

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.20288

Status

Subject: Transaction Number(s): W0060.00226 Approval

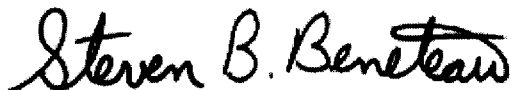
We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact BRUCE GATES by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20288

Date Correspondence Sent: May 23, 2000

Assessor: BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00226	1222911	SOTHMAN, NURSEY	Approval	May 23, 2000

Section:

9 Prospecting PROSP

14 Geophysical VLF

Correspondence to:

Resident Geologist
South Porcupine, ON

Recorded Holder(s) and/or Agent(s):

JOHN KEVIN FILO
TIMMINS, Ontario

Assessment Files Library
Sudbury, ON

DAVID V. JONES
SOUTH PORCUPINE, Ontario

Semple Twp. - M. 1100

THE TOWNSHIP
OF
SOTHMAN

DISTRICT OF
SUDBURY

PORCUPINE
MINING DIVISION

SCALE: 1 INCH = 40 CHAINS

LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊕
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	A B
MINES	⊙
CANCELLED	C

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Flooding Rights — L.O. 7191 File No 1162 vol 4

Areas withdrawn from staking under Section 46 of the Mining Act (R.S.O. 1970)

Order No. File Date Disposition

R2 Water Access Etc Buffer Zone 2001
 E5 W-90-41 146612 2003 S.R.O.
 E4 N.N.E. Gravel Reserve 3037
 E6 N.N.W. 1567 3037 M.R.O.

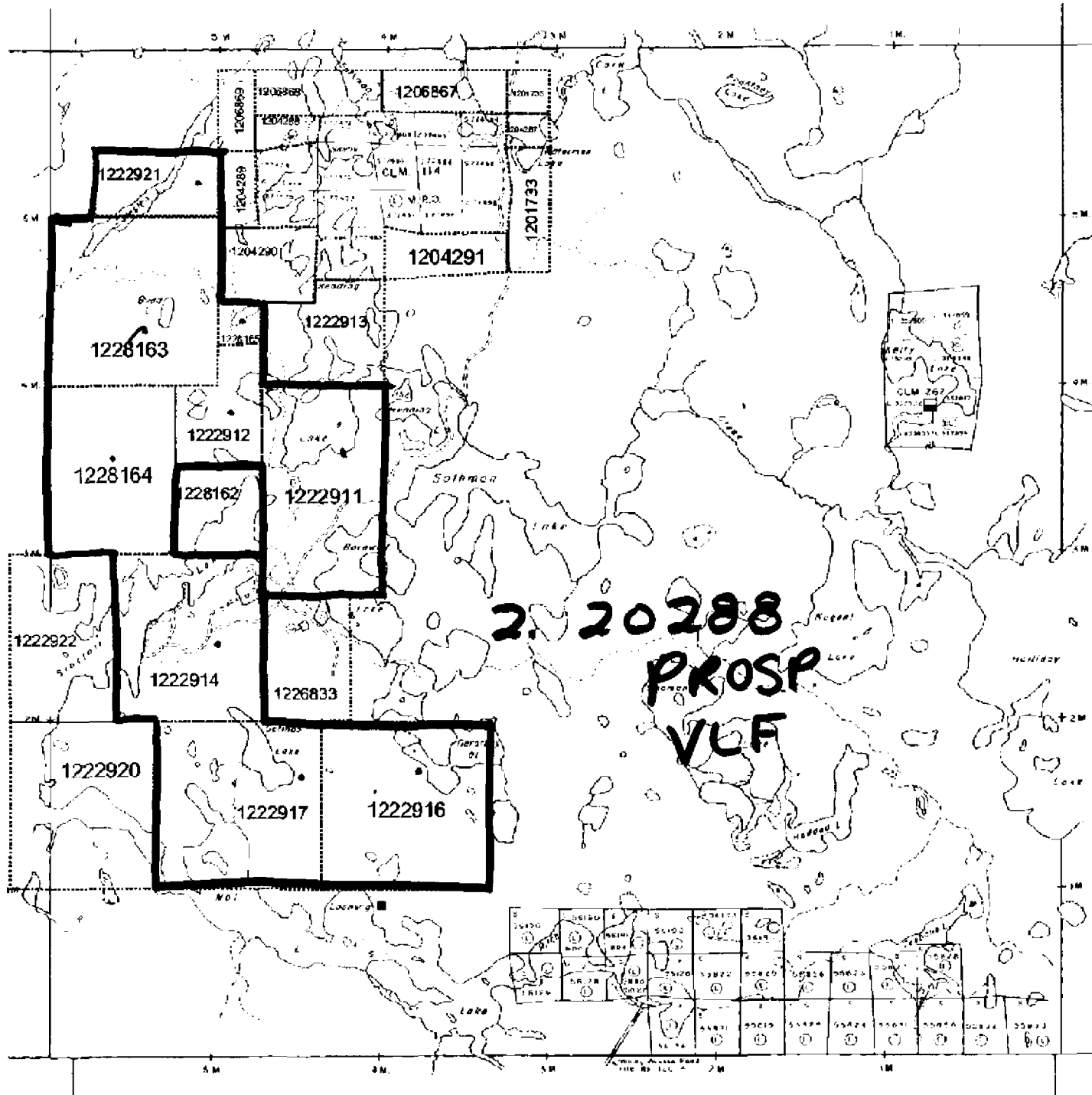
■ Topline Color

PLAN NO. - **M-1121**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

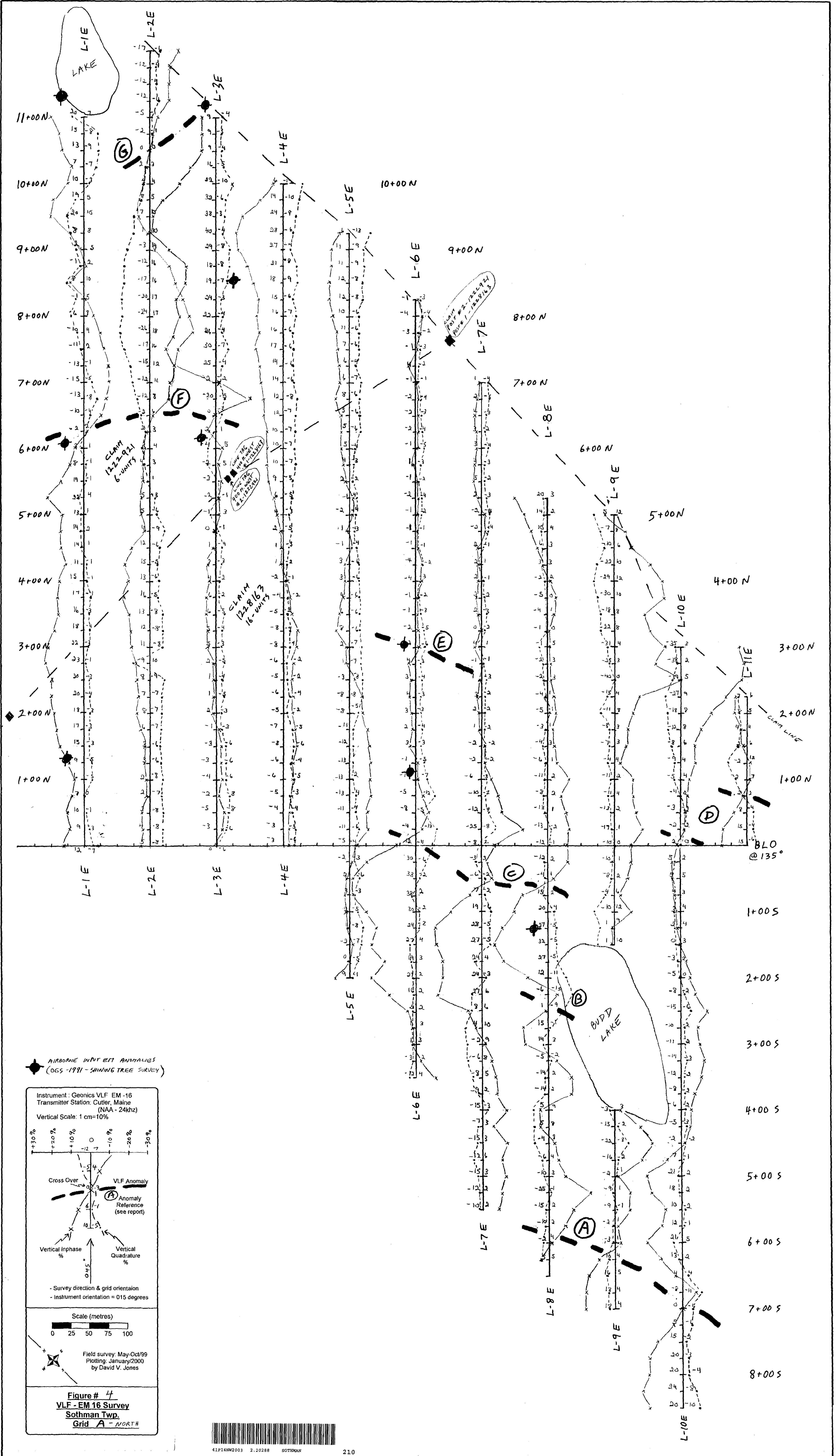
Nursey Twp. - M. 1031

Holliday Twp. - M. 910



Kemp Twp. - M. 966





AIRBORNE INVT EM ANOMALIES
(OGS-1991 - SHINING TREE SURVEY)

Instrument: Geonics VLF EM-16
 Transmitter Station: Cutler, Maine
 (NAA - 24khz)
 Vertical Scale: 1 cm=10%

Vertical Scale: +30%, +20%, +10%, 0, -10%, -20%, -30%

Cross Over
 VLF Anomaly
 Anomaly Reference (see report)

Vertical Inphase %
 Vertical Quadrature %

- Survey direction & grid orientation
 - Instrument orientation = 015 degrees

Scale (metres)
 0 25 50 75 100

Field survey: May-Oct/99
 Plotting: January/2000
 by David V. Jones

Figure # 4
 VLF - EM 16 Survey
 Sothman Twp.
 Grid A - NORTH



Instrument : Geonics VLF EM -16
 Transmitter Station: Cutler, Maine
 (NAA - 24khz)
 Vertical Scale: 1 cm=10%

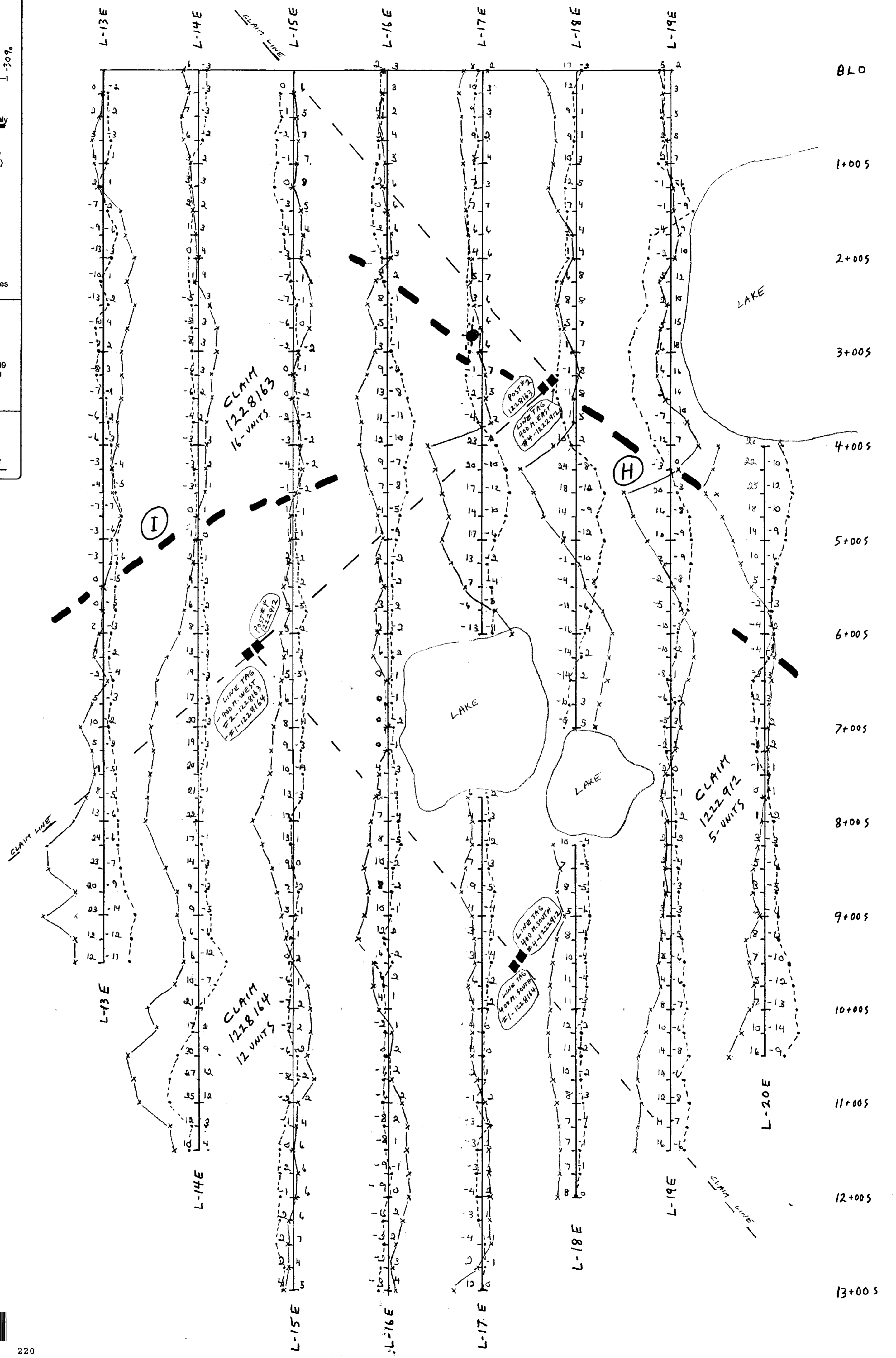
Cross Over
 VLF Anomaly
 Anomaly Reference (see report)
 Vertical Inphase %
 Vertical Quadrature %
 045°

- Survey direction & grid orientation
 - Instrument orientation = 015 degrees

Scale (metres)
 0 25 50 75 100

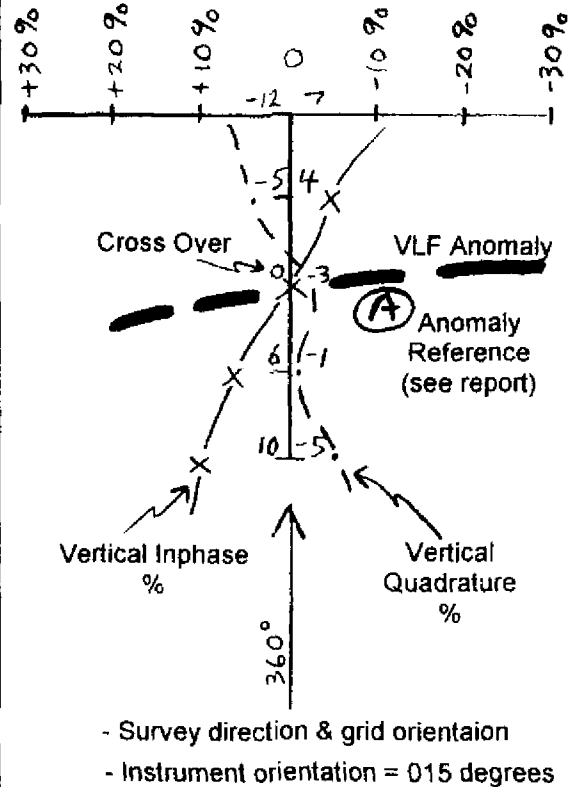
Field survey: May-Oct/99
 Plotting: January/2000
 by David V. Jones

Figure # 5
VLF - EM 16 Survey
Sothman Twp.
Grid A - SOUTH

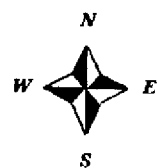
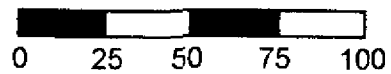


AIRBORNE INPUT ANOMALIES
 (065-1991-SHINING TREE SURVEY)

Instrument: Geonics VLF EM-16
 Transmitter Station: Cutler, Maine
 (NAA - 24khz)
 Vertical Scale: 1 cm=10%



Scale (metres)

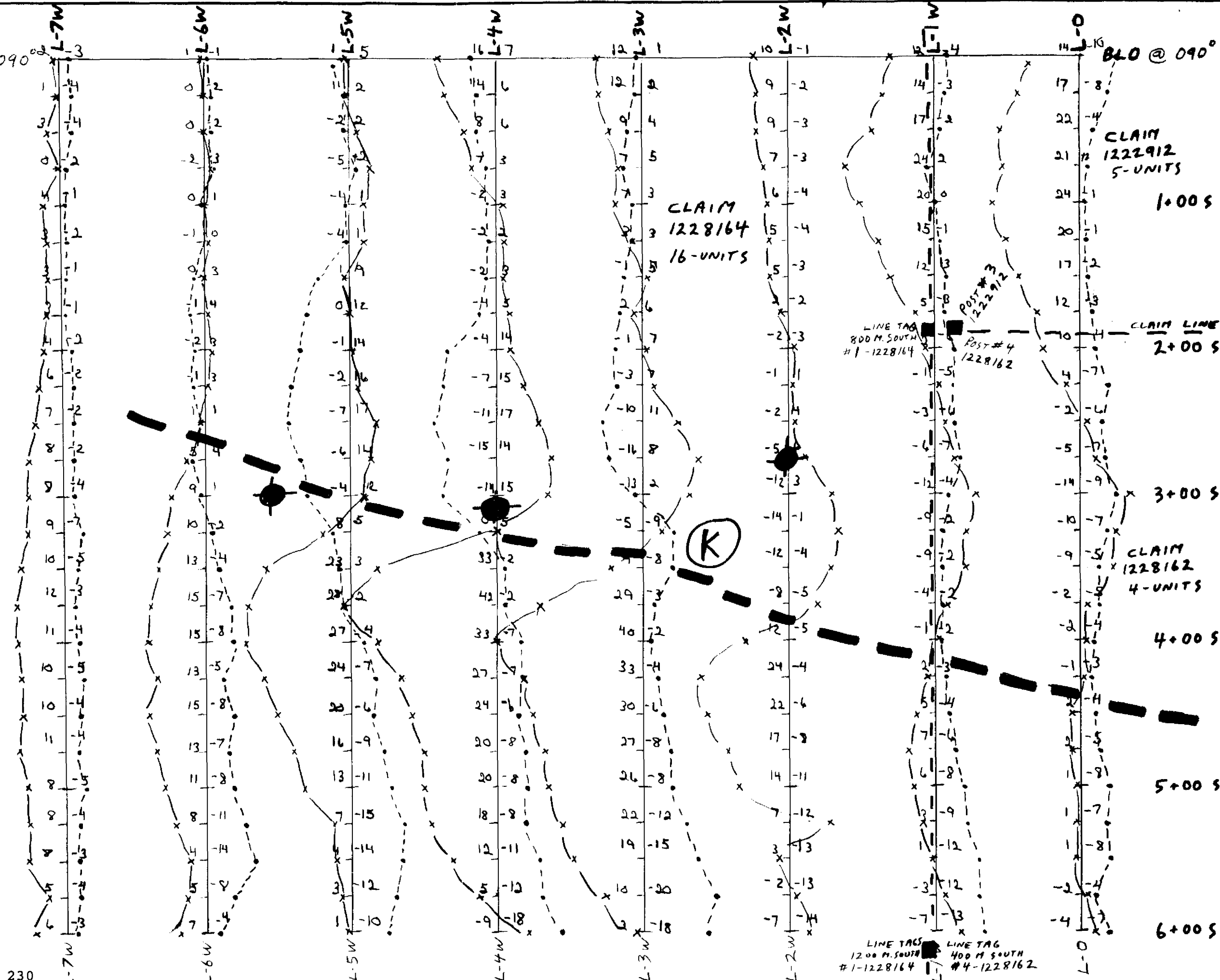


Field survey: May-Oct/99
 Plotting: January/2000
 by David V. Jones

Figure # 6
VLF - EM 16 Survey
Sothman Twp.
Grid - B



41P14NW2003 2.20288 SOTHMAN



• AIRBORNE INPUT EM ANOMALIES
(OGS - 1991 - SHINING TREE SURVEY)

Instrument: Geonics VLF EM-16
Transmitter Station: Cutler, Maine
(NAA - 24kHz)
Vertical Scale: 1 cm=10%

Vertical Scale: 1 cm=10%

Scale (metres)
0 25 50 75 100

Field survey: May-Oct/99
Plotting: January/2000
by David V. Jones

Figure # 7
VLF - EM 16 Survey
Sothman Twp.
Grid - C

