

42A03SE0016 OP92-411 ZAVITZ

010

Report on a
GEOLOGICAL and HUMUS SURVEY
ZAVITZ TOWNSHIP, ONTARIO
for the
1992-93 OPAP GRANT
File Number OP92-411

- **Raymond L. Lashbrook**
Dec.3, 1992



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2000

INTRODUCTION

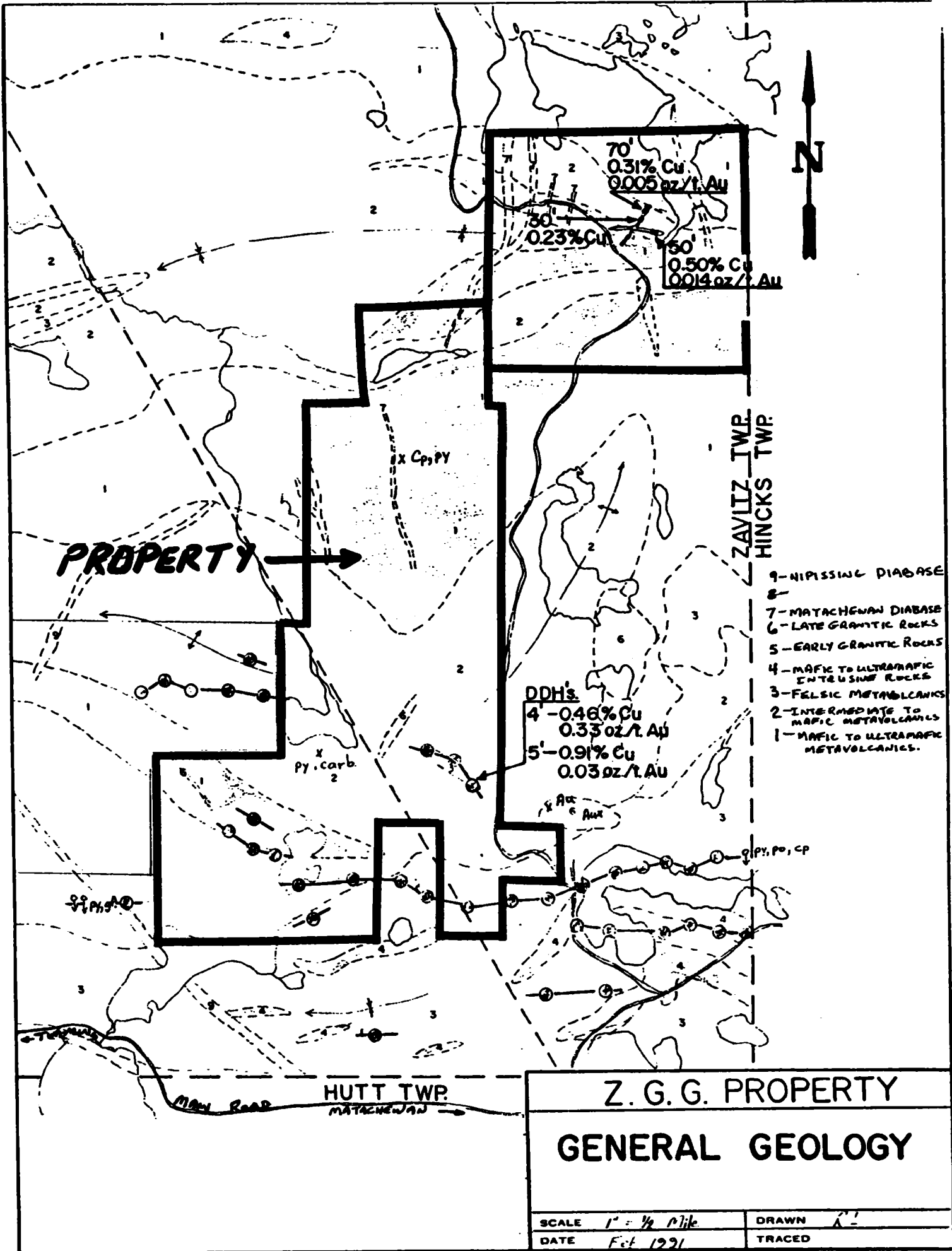
The following report covers the 1992 results in regards to the OPAP program. During 1991 the property, located in Zavitz Township was subjected to linecutting and geophysics (mag, vlf and maxmin 11). The 1992 program consisted of mapping, prospecting and humus sampling over selected areas. The property was worked as two separate areas and is reported as such. These are the DEXTER LAKE GRID and the MORAY LAKE GRID.

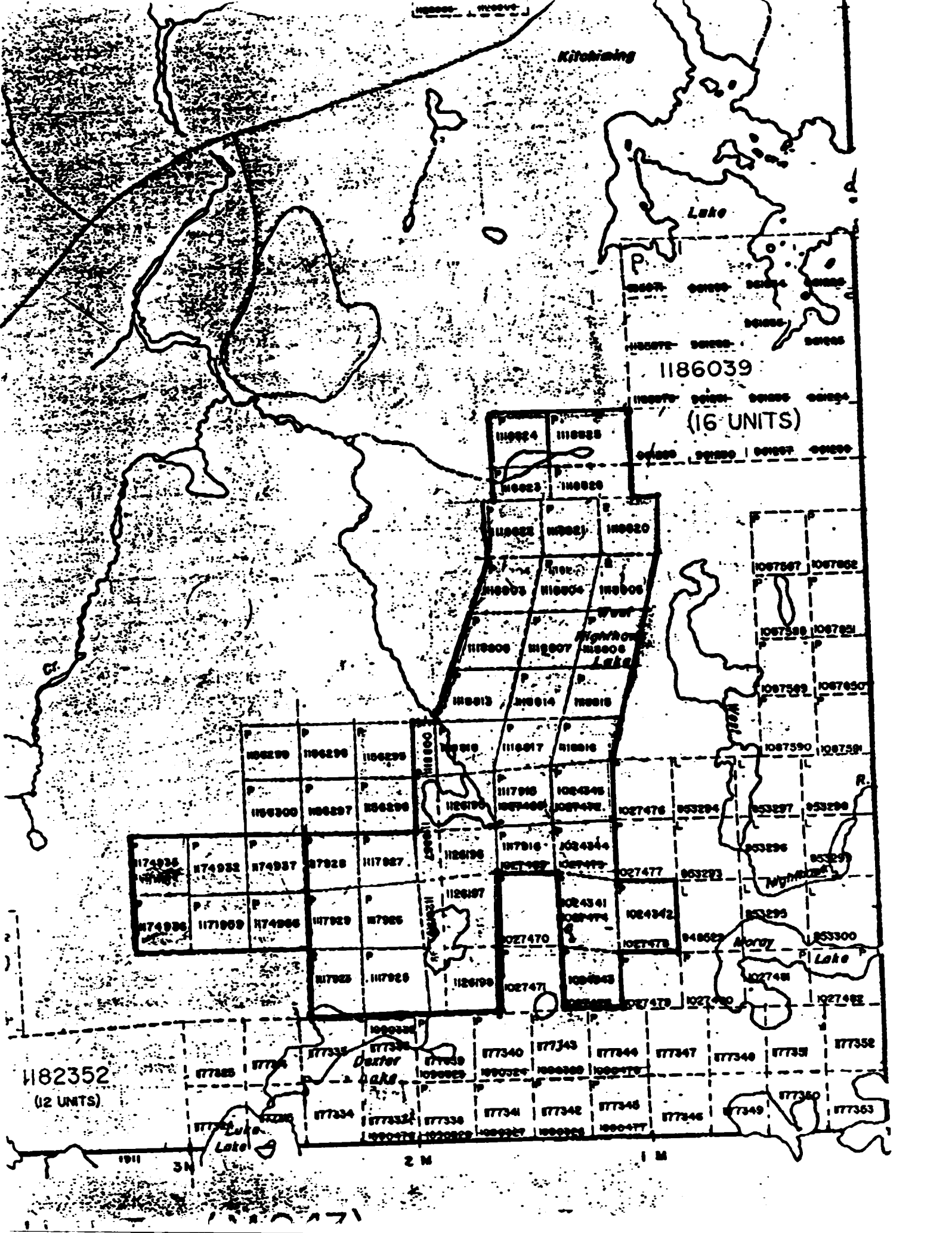
The property is located in the southeast-east portion of the township. Access is gained by good bush roads south from Timmins and South Porcupine or north from the Shining Tree Area.

The property consists of 39 contiguous claims numbered:

1024341- 1024345	5
1117915- 1117916	2
1117923	1
1117925- 1117929	5
1118800	1
1118803- 1118808	6
1118813- 1118818	6
1118820- 1118826	7
1118867	1
1126195- 1126199	5

	39





Kitchiming

Lake

1186039
(16 UNITS)

Highway
Lake

1087567 1087568

1087588 1087589

1087589 1087590

1087590 1087591

1087591 1087592

1087592 1087593

1087593 1087594

1087594 1087595

1087595 1087596

1087596 1087597

1087597 1087598

1087598 1087599

1182352
(12 UNITS)

Dexter
Lake

Lake

Moroy
Lake

1 M

2 M

3 M

GENERAL GEOLOGY

Regionally, the property is located within the Lower Volcanic Group and the Upper Volcanic Group as defined by D.R.Pyke in "Geology of the Peterlong Lake Area" 1978. The property is Underlain to the south by felsic volcanics of the Upper Formation of the Lower Volcanic Group while the rest of the property is underlain by felsic, intermediate and mafic volcanics and related tuffs and sediments of the Lower and Middle formations of the Upper Volcanic Group.

PROPERTY GEOLOGY

DEXTER LAKE GRID: This grid is the most westerly of the -----
two and has north-south lines cut off of an east-west baseline. The grid is underlain mainly by mafic to ultramafic metavolcanic rocks which trend west to north-west for the most part, are medium to dark green and fine to medium grained. Massive, pillowed and flow breccia flows were found in the field. Amygdules are quite common in the pillowed flows usually occurring around the edge. Pillows are usually less than 18" but occasionally as on L7W, 300N attain a size of 2'x4'.

In the northwestern portion of the property the volcanic rocks can be divided into two types with one unit being more mafic. The more mafic unit (unit 1 on map) is distinguished in the field as being moderately to strongly carbonated. Some of these outcrops have up to a one inch brown carbonate rind but usually are less than 1/2" thick.

(3)

A number of outcrops are light to medium grey-green and are probably magnesium tholeiites. Bright(1) had originally mapped similar described rocks as dacitic to andesitic but subsequent chemical analyses proved that they were much more mafic than originally thought. No felsic to intermediate rocks were mapped in the northwest part of the property and no samples were submitted for whole rock analyses.

An outcrop located on a bush road near L3W, 4N is sheared in a 175 degree direction. The shear zone is a few feet wide and is moderately carbonated and chloritic and contains on average 1-2% fine pyrite. Only low values in gold (5ppb) were recorded upon assaying.

Between L's 1W and '0' at around 5N an old 10' deep pit was located near the top of an outcrop. The pit was sunk on quartz-carbonate veins within a shear zone that strikes at 160 degrees, dips 80 degrees east and is about 7' wide. The veins dip at 65 degrees west within this zone. This zone contains about 10% pyrite with minor pyrrhotite. Two samples across the zone returned 21 and 22 ppb's Au upon assay.

The only felsic volcanic rock that was located is on the south boundary of the property on line 1E. The outcrop of dacite is massive, light to medium green and contains mainly feldspar with an odd quartz eye present.

(1)Geology of the Ferrier Lake-Canoeshed Lake Area -
O.G.S. Report #231, E.G.Bright, 1984

(4)

The east side of the grid is mainly covered with sand as part of an esker and outwash plain. No outcrops were located in this part of the grid.

The numerous mag/vlf and maxmin ll anomalies that were located last year are all under overburden and could not be dug up or explained any more thoroughly than before. Two magnetic anomalies near the south boundary of the property have been interpreted as gabbro and peridotite sills.

Structural Geology

Two sub-parallel faults or shear zones were located at 275W/400N and 0+25W/475N. The extrapolation of these faults along with breaks and folds in the magnetic pattern suggest that they extend through to the south end of the property. A third subparallel fault has been taken off of Brights map of the township. This fault extends along the east side of the most northerly lake in a generally 160-170 degree direction.

HUMUS SURVEY

Humus samples were collected on lines 2W-6W south of the baseline and on lines 1E to 5E on the south boundary. This survey was designed to cover the numerous vlf-maxminll conductors in the hope of locating any gold rich sections. One anomalous zone is located on line 3W at 0+75S and on line 4W at 0+50S and is underlain by a weak magnetic high on the same 2 lines. Another weak humus anomaly appears to be correlatable with a vlf anomaly along the south edge of the property.

CONCLUSIONS

The geological mapping and prospecting on this portion of the property did not locate any mineral rich zones. It did however locate 2 shear zones that are mineralized with pyrite and weakly to moderately carbonated. None of the geophysical conductors could be exposed or explained by this survey.

The humus survey outlined 2 anomalous zones of which one is correlatable with a mag high and the other with a vlf conductive zone.

RECOMMENDATION

The following programs are recommended as the next steps in the development of the property.

- 1a- Complete humus sampling over the rest of the property except south of the baseline and east of the central lake which is mainly esker and outwash sand cover.
- b- A backhoe trenching program to try and expose some of the numerous conductive zones.
- 2- Diamond drilling will be required in places that cannot be exposed by trenching to fully explain the conductors. A total of 6 holes of 3-400 feet long each should be drilled as a first phase of drilling.

DEXTER LAKE GRID

SAMPLE NO.	LOCATION	DESCRIPTION	ASSAY
F28901	2+75W 4+00N	3' sample of a sheared and carb altered zone, brown weathering, 1-2% fine pyrite as cubes with local concentrations to 5%.	Au- 5ppb
F28902		Next 4' to 28901. Sheared, carb. altered, locally chloritic along shear planes. 2% pyrite with conc. to 5%.	Au- 5ppb
F28903	4+90W 0+85S	Large carb altered float prob. local with 1/2" q-carb veins, 5% pyrite. Near area of VLF cond.	Au- 4ppb
F28904	L5+00W 0+23N	2' sample across weakly carb. altered mafic volcanic, 1-2% pyrite as cubes and veinlets.	Au- 5ppb
F28905	L6+00W 2+25N	Grab of local float. Carbonated mafic volcanic with 2 % pyrite as cubes to 3mm and fine pyrite in crosscutting veinlets.	Au- 7ppb
F28906	L1+00W 2+10N	Altered mafic volcanic float piece beside road. Quartz-feld. veins to 3/4" with 10% fine diss pyrite, fine cpy and black tourmaline needles. Red feld. alt'n. along contacts. Epidote in jts. 90 degrees to veins.	Au- 7ppb
F28907	L1+00W 5+00N	3' noncontinuous sample of sheared red mafic volcanic. Pyrite as cubes in and along shear planes. Some q-carb. veins. Some rusty sulfide blebs throughout outcrop.	Au- 5ppb
F28908	0+25W 4+75N	10' deep pit. 2' sample across quartz-carbonate veins in shear zone. 10% pyrite, minor po.	Au- 21ppb
F28909		Next 4' across shear. Sheared and silicified zone with 10% py.	Au- 22ppb
F28910	L7+00W 2+60N	Grab of outcrop of carb. altered mafic volcanic (Mg. Tholeiite?). Light grey-green with fine diss. pyrite avg. 1% locally to 10%.	Au- 18ppb

DEXTER LAKE GRID

SAMPLE NO.	LOCATION	DESCRIPTION	ASSAY
F28911	7+60W 5+25N	Grabs of large float pieces of carbonated ultramafic rock, q-c veins to 1" wide, pyrite in veins as cubes avg. 1-2%, rare speck of cpy. in some veins. Probably close to source o/c.	Au- 8ppb
F28912	L8+00W 3+92N	Grab of o/c of carbonated mafic volcanic, 2% pyrite as cubes and fine disseminations.	Au- 8ppb
F28913	L8+00W 2+15N	Grab of o/c of brown carbonate altered ultramafic, minor pyrite in carbonate veinlets.	Au- 3ppb
F28914	L8+00W BL '0'	Grabs over 3' of carb altered mafic to ultramafic volcanics with q-c veinlets to 5mm, odd speck pyrite.	Au- 4ppb
F28915	L8+00W 2+65S	Grabs of several pieces of o/c of weakly altered mafic volcanic (Thol?) with 2-5% pyrite as cubes, odd speck of cpy.	Au- 8ppb
F28916	2+10E 5+30N	Several grabs of outcrop on shore of lake. Grey altered mafic volcanic with flatish qtz. veinlets with 10% fine pyrite in and along veinlets.	Au- 3ppb
F28917	2+20E 5+10N	Grabs of o/c of carb altered mafic volcanic with 10% pyrite as cubes. In places the o/c is dark grey, fine grained matrix, hard (silicified).	Au- 5ppb

MORAY LAKE GRID

This grid was cut with a northwest baseline and crosslines every 50 and/or 100 meters. Line 1N, 5+40W joins the Dexter Lake grid at BL O, 4+90E.

Outcrop is confined to an area of about 500m x 200m in the central northwestern portion of the grid. The remaining area is covered with sand (outwash), gravel and swamp. Jackpine and spruce are the main tree cover.

The property is mainly underlain by mafic metavolcanics (massive, pillowed, tuffaceous and breccia) that trend generally in a 315 to 340 degree direction. These flows are mainly dark green to grey-green and fine to medium grained. Several outcrops show a mixture of massive to pillowed flows with intercolated tuffaceous horizons.

Felsic metavolcanic rocks were found on Lines 2N and 3N. These outcrops had previously been mapped as syenite but are definitely felsic. The outcrops weather a light medium pink. The fresh rock is light grey to grey green with some orangy-pink alteration in some places. The matrix is hard and aphanitic with feldspar laths to 2 mm and quartz eyes 1-2mm. It is probably a quartz-feldspar phyric rhyolite or crystal tuff. The outcrops appear massive however further stripping may reveal such things as flow brecciation or bedding.

(9)

A general low magnetic trend appears to accompany the rhyolite porphyry and separates 2 higher magnetic anomalies on L200N at 100W and possibly continuing on to form a continuous low zone from L150N, 150-200W to L700S, 0+25-0+50W.

Float pieces of cherty felsic tuff were located at 290N, 100W. These pieces had fine pyrite along quartz filled fractures along with rare specks of chalcopyrite. Assay results returned only 5 ppb Au.

Syenite dykes intrude the mafic volcanics near lines 100S and 150S. These dykes are usually only to a few feet in diameter, are light coloured and weather a light pinkish hue. Minor pyrite and quartz veins were noted. These dykes are probably part of the larger syenite intrusion located to the east and north of Moray Lake.

A peridotite outcrop just south of the property is the probable cause of a magnetic high that is located along L800S from 600W to the end of the line. The magnetics indicate that the contact is approximately 050 to 060 degrees. The outcrop is black, medium grained, weakly magnetic and weakly serpentized.

...10

HUMUS SURVEY

A humus survey was conducted over the mineralized area of interest with a total of 86 samples being collected. One anomalous zone was found on lines 0, 0+50S and 100S at 0+25E. This anomaly flanks the magnetic anomaly and is just northeast of the silicified zone and any outcrops. No explanation as to its source can be given at this time.

CONCLUSION

The property was staked to cover a gold-copper discovery made by Voyager Explorations during its drilling of a vertical loop anomaly and surface sulfide showings. The sulfide showings consist mainly of pyrrhotite with minor pyrite and in places chalcopyrite as blebs and along joint planes. Very low gold was returned from these showings. Drill logs by Voyager are not too detailed. Rhyolite with disseminated to massive sulfides were intersected in holes 2, 3 and 4 along with diorite, basic dykes and peridotite. These collars were not found during the present survey. The location plotted by the previous owners of the property does not appear to be in the correct place as the holes would all have been collared in mafic volcanics.

A silicified zone mapped near the baseline from L'0' to 0+75S takes in the felsic rocks and overlaps a few feet

into the overlying mafic volcanics. This shows that the felsic rocks were partially covered before silicification. A outcrop previously described as a sulfide breccia is probably a fumarole breccia.

The rhyolite breccias intersected in the Voyager drilling and/or the rhyolite porphyry mapped to the northwest is the probable source of the mineralization and silicifying fluids.

RECOMMENDATIONS

The results of this survey suggest that more work is required to locate and expand on the results of the Vorager drilling.

- (a) Humus sampling should be completed to cover the rest of the grid to 200W and 200E or approximately 250 samples.
- (b) Mag and maxmin should be completed over the 50 m lines or approximately 2.5 km. of mag and 3.5 km. of maxmin.
- (c) Diamond drilling should be done to trace the felsic volcanic sequence. This drilling should be systematic and done in two stages of 5 holes about 300' long each. This amounts to 3000' total.
- (d) Encouraging results from the drilling should be followed up with more drilling.

SAMPLE DESCRIPTION
-----MORAY LAKE GRID

SAMPLE NO.	LOCATION	DESCRIPTION	ASSAY
H148086	L0+50N	Float piece 4"x1'x1'-siliceous tuff with 10-20% fine pyrite and 10% pyrite as cubes to 2mm.	Au- 10ppb
H148087	L '0' 0+20W	Grabs of outcrop about 15'x15'. Siliceous breccia with massive po. and py between frags. Outcrop averages about 30% sulfides. Occasional chalcopyrite bleb and along joints.	Au- 38ppb Ag- 3ppm Cu- 331ppm Zn- 338ppm
F28918	0+25S 0+25W	Rhyolite Breccia/Silicified Mafic Volcanic. Up to 5% py-po, minor quartz veining, slight green to purplish tinge to matrix. 5'x 2'	Au- 16ppb
F28919	0+25S 0+25W	Next 4' to 28918. Very siliceous more massive than 28918, slight green to purplish tinge to matrix. 2-5% po-py.	Au- 34ppb
F28920	0+25S 0+25W	Next 5' to 28919. Rhyolite Breccia first 2' then tuffaceous with beds of massive pyrite to 2cm. Thick gossan on last 2' but fresh material sampled. Average 10% pyrite, 2% po.	Au- 14ppb
F28921	0+35S 0+20W	Siliceous Rhyolite Breccia with up to 20% po and 5% pyrite. 2'x 2'	Au- 14ppb
F28922	L1+50N 0+45E	2'X 5' non-continuous sample of slightly gossaned mafic volcanic breccia outcrop. Approx. 5% py. filling fractures	Au- 14ppb
F28923	L1+50N 0+45E	2'x 4' non-continuous chip sample of mafic volcanic breccia/tuff with 5% fine grained po-py.	Au- 12ppb
F28924	1+30S 0+10E	2'thick siliceous fine grained tuff between pillowed amygdaloidal mafic volcanic and mafic tuff breccia. 3% fine pyrite.	Au- 11ppb

MORAY LAKE GRID

SAMPLE NO.	LOCATION	DESCRIPTION	ASSAY
F28925	1+20S 0+10W	Several pieces of vein and breccia material along a 4"-1' wide fault zone. St. 248 degrees/80 degree dip. Avg. 1% py but locally to 5% as cubes to 4mm.	Au-1075ppb =0.031oz/t
F28926	0+65S 0+05W	4' wide lense of silicified mafic volcanic and cherty interflow sediments with semimassive beds of py and minor pyrite and chalcopyrite. Cpy in cherty beds.	Au- 42ppb Cu- 760ppm Co- 62 ppm
F28927	BL 0 0+40S	6' noncontinuous chip sample across cherty sulfide zone, possibly slightly cross-cutting silicified pillowed mafic vol. 10% py + cpy with lenses to 70%	Au- 12ppb Cu- 95ppm Co- 32ppm
F28928	2+90N 1+10W	Grab of several pieces of rhyolite porphyry with 30-40% white feld. pheno. in a dark grey to black sil. matrix. Fine py along fract. filled with quartz, odd speck cpy.	Au- 5ppb

- Ray Bush
Dec 10/92

APPENDIX

ASSAY SHEETS



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187,
POJ 1K0

HAILEYBURY, ONTARIO

TEL: 672-3107
FAX: (705) 672-5843

Certificate of Analysis

1

NO. 200

DATE: August 20, 1992

SAMPLE(S) OF: Rock(17)

RECEIVED: August 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, 973 Pinecreek Rd, Callander, Ont.
POH 1H0

Sample #	Au ppb
F28901	5
F28902	5
F28903	4
F28904	5
F28905	7
F28906	7
F28907	5
F28908	21
F28909	22
F28910	18
F28911	8
F28912	8
F28913	3
F28914	4
F28915	8
F28916	3
F28917	5

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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Certificate of Analysis

NO. 216

1

DATE: Septembe 02, 1992

SAMPLE(S) OF: Rock(10)

RECEIVED: August 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Limited.

Sample #	Au ppb	Cu ppm	Co ppm
F28918	16		
F28919	34		
F28920	14		
F28921	14		
F28922	14		
F28923	12		
F28924	11		
F28925	1075		
F28926	42	760	62*
F28927	12	95	32*

* No charge.

Note: Sample #F28925 checked.

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1

NO. 243

DATE: Septembe 23, 1992

SAMPLE(S) OF: Rock(11)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. R. Lashbrook, Lashex Ltd.

Sample #	Au ppb	Ag ppm	Cu ppm	Zn ppm
148086	10			
148087	38	3	331	338
148088	1485**			
148089	127			
148090	293**			
148091	15		67	66*
148092	8		41	150*
148093	7		43	45*
F28928	5			
No tag	8	2*	57*	64* } OPAP
RL-001	18	4	94	66

Note: Cd & Sn - no A.A. lamps to run these elements.

* No charge.

** Checked.

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NO. 254

1

DATE: Septembe 30, 1992

SAMPLE(S) OF: Humus(206)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
001	20
002	27
003	20
004	20
005	13
006	27
007	20
008	13
009	20
010	13
011	20
012	13
013	20
014	20
015	20
016	13
017	20
018	20
019	20
020	13
021	13
022	20
023	20
024	27
025	20
026	20
027	27
028	33
029	33
030	33
031	20
032	20
033	44

* denotes checked.

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2

NO. 254

DATE: September 30, 1992

SAMPLE(S) OF: Humus(206)

RECEIVED: September 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
034	20
035	20
036	20
040	47*
041	13
042	27
043	27
044	27
045	33
046	27
047	20
048	20
049	27
050	8
051	20
052	20
053	27
054	20
055	20
056	20
057	20
058	27
059	33
060	27
061	13
062	27
063	20
064	20
065	20
066	27
067	20
068	27
069	20

* denotes checked.

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3

NO. 254

DATE: Septembe 30, 1992

SAMPLE(S) OF: Humus(206)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
070	27
071	8
072	27
073	20
074	27
075	20
076	27
077	27
078	27
079	13
080	20
081	20
082	20
083	27
084	20
085	20
086	27
087	20
088	20
089	20
100	13
101	20
102	20
103	27
104	20
105	20
106	27
107	20
108	20
109	27
110	27
111	27
112	20

* denotes checked.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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4

NO. 254

DATE: Septembe 30, 1992

SAMPLE(S) OF: Humus(206)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
113	20
114	20
115	27
116	27
117	33
118	33
119	33
120	20
121	27
122	27
123	20
124	20
125	20
126	13
127	27
128	27
129	27
130	27
131	27
132	33
133	27
134	20
135	27
136	27
137	27
138	20
139	13
140	20
141	20
142	27
143	27
144	27
145	20

* denotes checked.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER 



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187,
POJ 1KO

HAILEYBURY, ONTARIO

TEL: 672-3107
FAX: (705) 672-5843

Certificate of Analysis

5

NO. 254

DATE: September 30, 1992

SAMPLE(S) OF: Humus(206)

RECEIVED: September 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
146	27
147	27
148	27
149	20
150	33
151	33
152	27
153	20
154	27
155	27
156	20
157	20
158	27
159	27
160	13
161	33
162	20
163	27
164	20
165	27
166	27
167	27
168	27
169	20
170	20
171	20
172	27
173	27
174	20
175	33
176	20
177	33
178	27

* denotes checked.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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NO. 254

DATE: Septembe 30, 1992

SAMPLE(S) OF: Humus(206)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
179	27
180	27
181	13
182	46*
183	20
184	20
185	13
186	20
187	20
188	20
189	27
190	33
191	27
192	20
193	13
194	20
195	20
196	20
197	27
198	20
199	20
200	20
201	13
202	20
203	20
204	33
205	20
206	33
207	27
208	20
209	13
210	27
211	13

* denotes checked.

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Certificate of Analysis

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NO. 254

DATE: Septembe 30, 1992

SAMPLE(S) OF: Humus (206)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. Ray Lashbrook, Lashex Ltd.

Sample #	Au ppb
212	20
213	33
214	20
215	20
216	27
217	20
218	27
219	13

* denotes checked.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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OPAP FORMS

PROSPECTING PROPOSAL FOR ZAVITZ TOWNSHIP, N.T.S.42-A-3

The property is located in the south-east portion of Zavitz Township, Porcupine Mining Division. The claim map sheet is M. 1189. The latitude is 48 02' and the longitude is 81 07'.

Access is gained by good bush roads south from Timmins and South Porcupine or north from the Shinning Tree area.

The property consists of 39 contiguous claims numbered:

1024341-1024345	5
1117915-1117916	2
1117923	1
1117925-1117929	5
1118800	1
1118803-1118808	6
1118813-1118818	6
1118820-1118826	7
1118867	1
1126195-1126199	5

39

The prospecting targets are gold and base metal minerals possibly associated with geophysical targets located in last years OPAP grant.

The property is located regionally within the Lower Volcanic Group and the Upper Volcanic Group of rocks as defined by D.R.Pyke in "Geology of the Peterlong Lake Area" 1978. The property is underlain to the south by felsic volcanics of the upper volcanic formation of the Lower Volcanic Group while the rest of the property is underlain by felsic, intermediate, and mafic volcanics and related tuffs and sediments of the lower and middle volcanic formations of the Upper Volcanic Group.

Gold and copper mineralisation have been found on this property at the "Voyager Showing". Numerous other geophysical conductors were located during last years program along with altered, pyritic bearing local(?) float. Airborne conductors extending across the south portion of the property were drilled to the east of the property yielding low grade copper and zinc values along with good gold values.

(2)

The proposed exploration program is as follows:

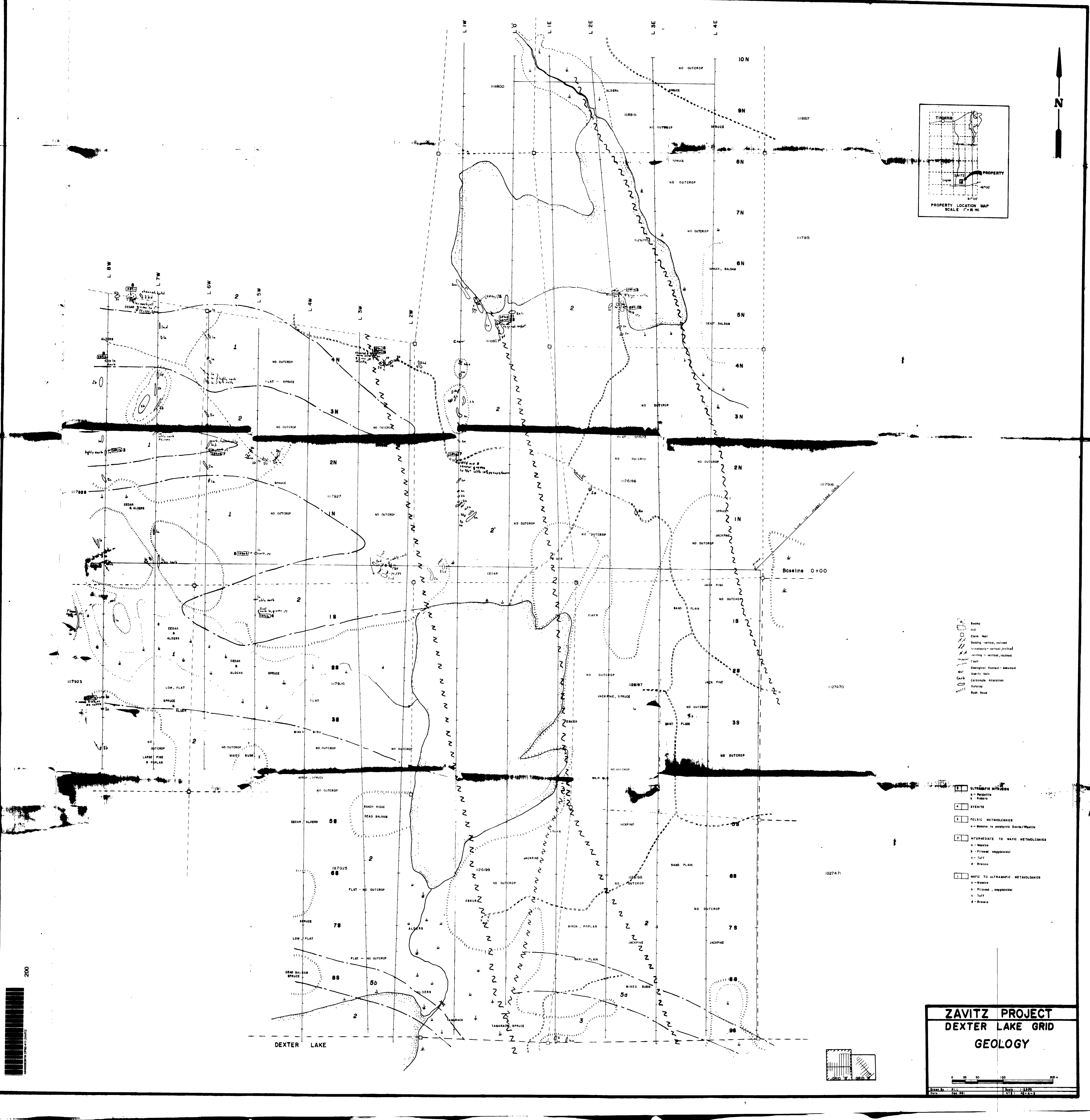
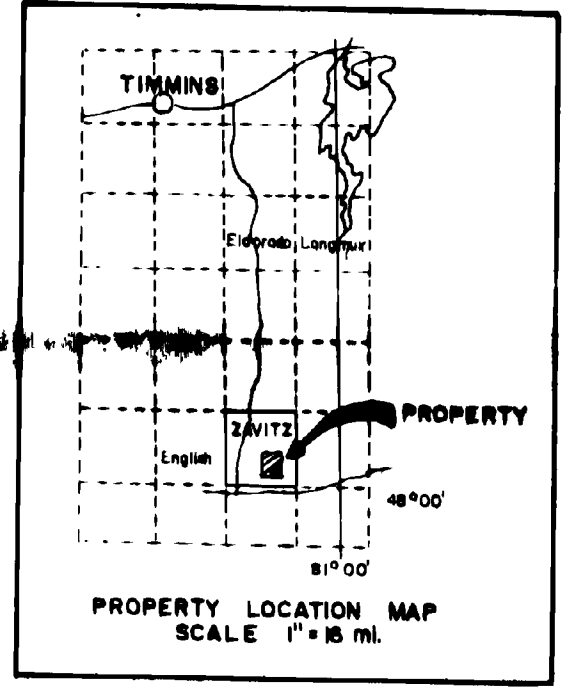
Mapping (approx. 22 line km.) and Prospecting		
26 days @ \$100.00/day	=	\$ 2,600.00
Assistant - 26 days @ \$80.00/day	=	2,080.00
Travel costs 2000km.@ \$0.30/km.	=	600.00
Assay costs 60 samples x \$15.00/sample	=	900.00
Humus sampling - 200 samples x \$10.00/sample	=	2,000.00
Sample collection - 5 days x \$100.00/day	=	500.00
Office (report and drafting)		
8 days x \$100.00/day	=	800.00
Food - 31 days x \$30.00/day	=	930.00
Blueprinting, mylars, etc.	=	50.00
Propane, naptha, etc.	=	50.00

		\$10,510.00

Thank you.

Yours truly,

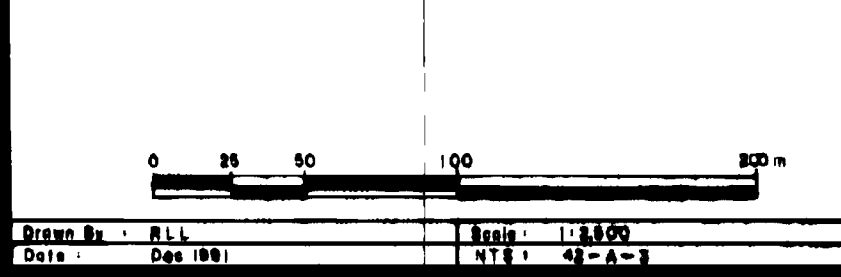
Raymond Lashbrook

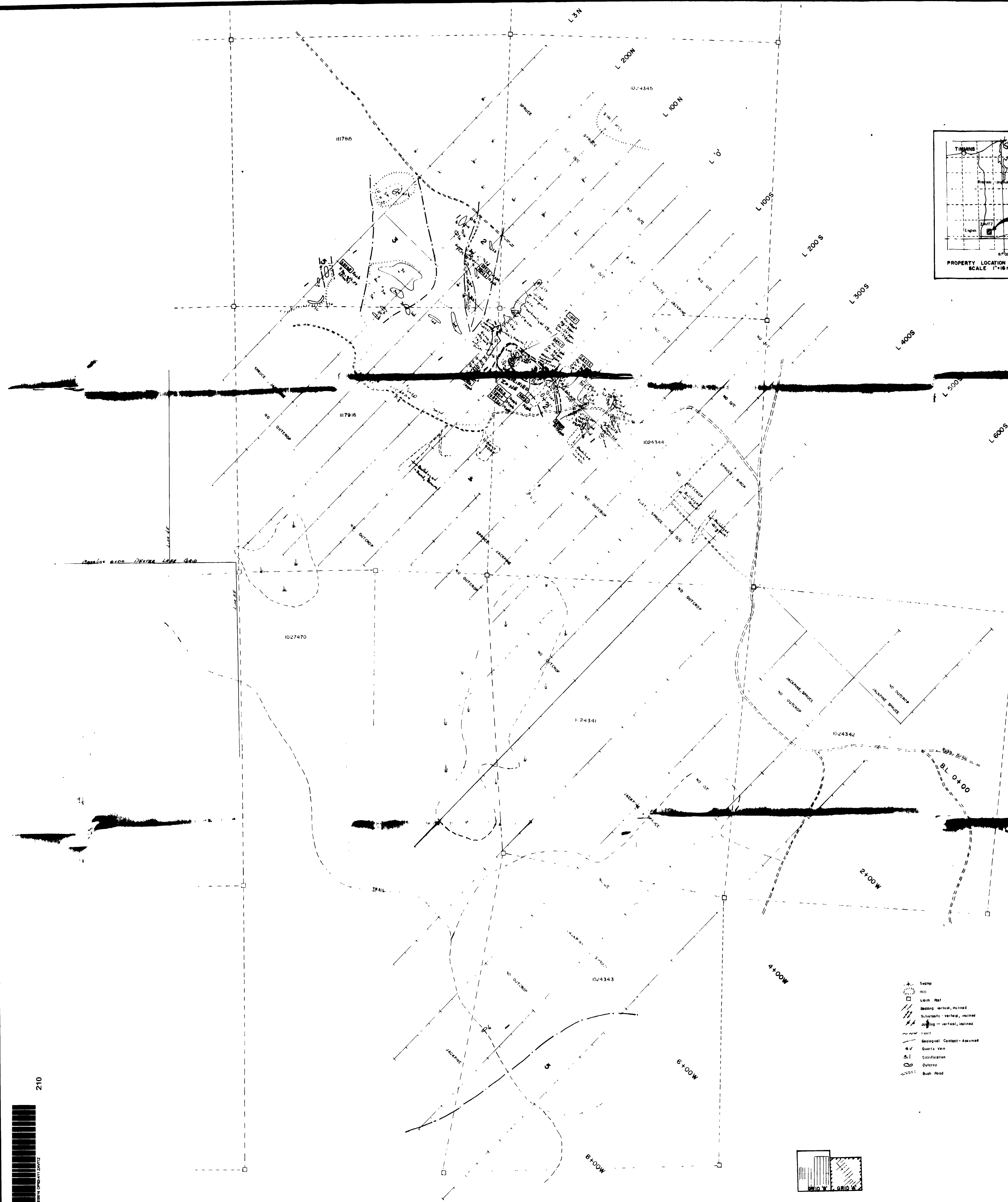
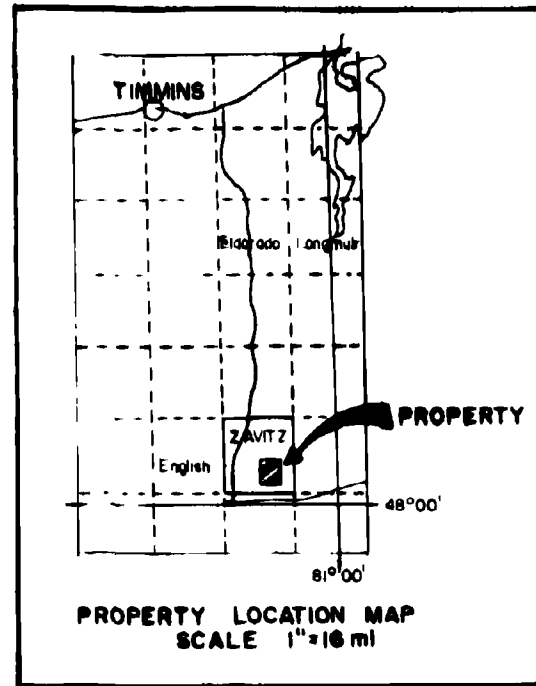


- Swamp
- Hill
- Coin Mark
- Bedding - vertical, inclined
- to tertiary - vertical, inclined
- Fault
- to tertiary - vertical, inclined
- Geological Contact - Amplex
- Quartz Vein
- Carb
- Carbonate Alteration
- Outcrop
- Rock Mass

- 1 ULTRAMAFIC HYDRATION
 - a - Peridotite
 - b - Gabbro
- 2 PYRITE
- 3 FELSIC METAVOLCANICS
 - a - Mosaic to porphyritic Dolerite/Mylonite
- 4 INTERMEDIATE TO MAFIC METAVOLCANICS
 - a - Mosaic
 - b - Pillowed, unmylonitized
 - c - Tuff
 - d - Breccia
- 5 MAFIC TO ULTRAMAFIC METAVOLCANICS
 - a - Mosaic
 - b - Pillowed, unmylonitized
 - c - Tuff
 - d - Breccia

**ZAVITZ PROJECT
DEXTER LAKE GRID
GEOLOGY**

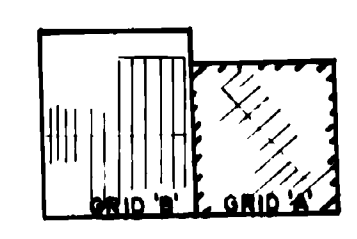




LEGEND

[6]	SYENITE
[5]	PERIDOTITE
[4]	QUARTZ FELDSPATH PORPHYRY
[3]	FELSIC METAVOLCANICS
a	Quartz - Felspar - Plagioclase Porphyry
b	Massive to porphyritic Diabase / Rhyolite
c	Breccia
d	Chert
[2]	INTERMEDIATE TO MAFIC METAVOLCANICS
a	Massive
b	Pillowed, angular
c	Tuff
d	Breccia
[1]	MAFIC TO ULTRAMAFIC METAVOLCANICS
a	Massive
b	Pillowed
c	Tuff
d	Breccia

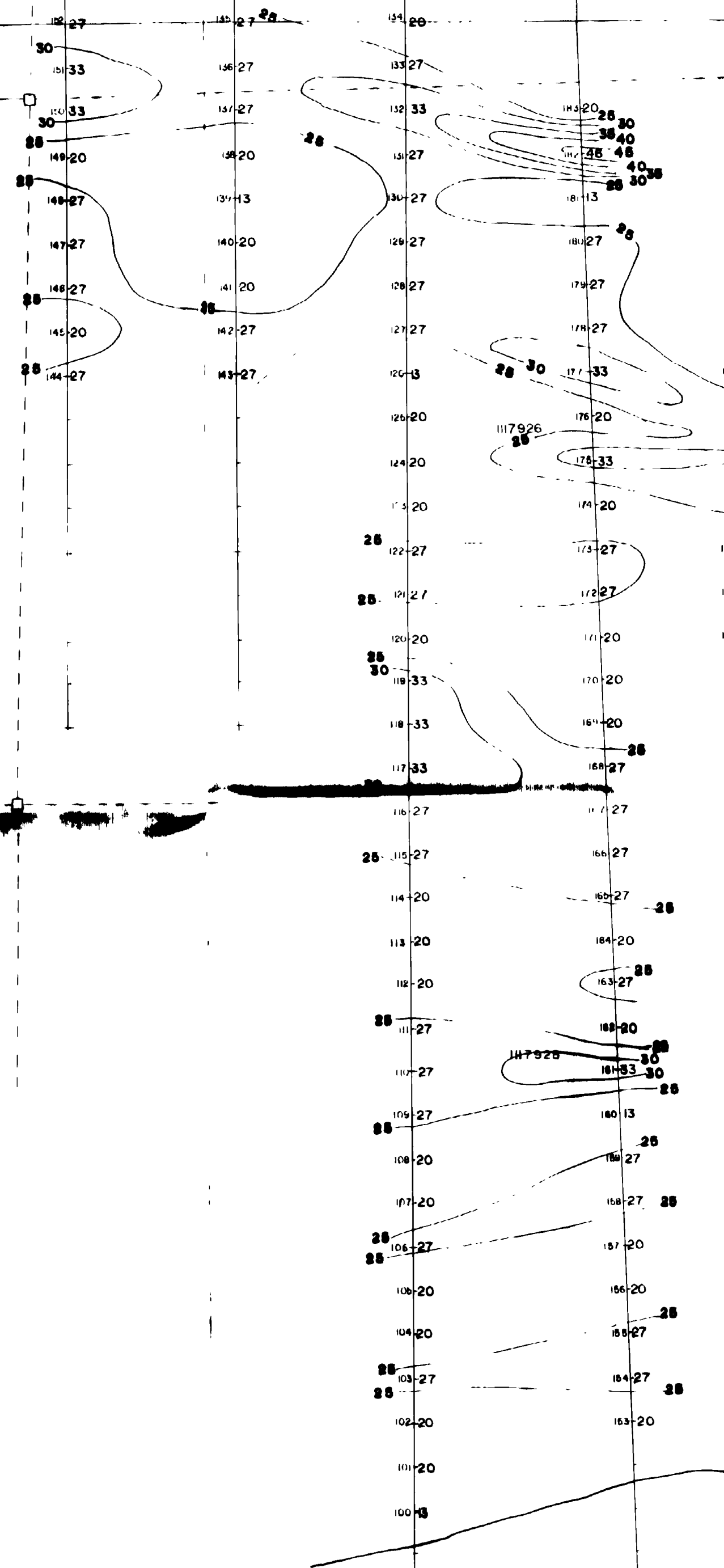
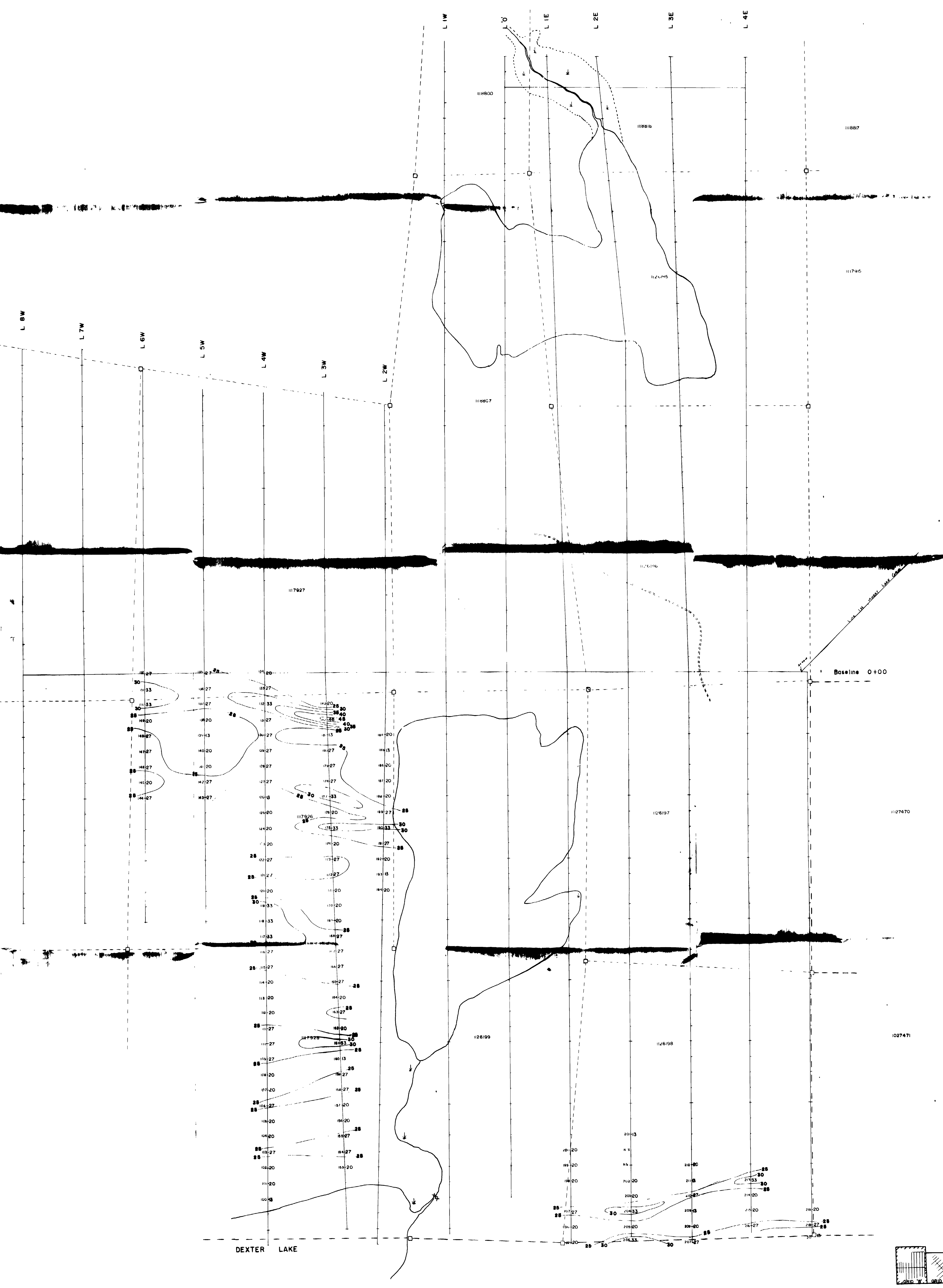
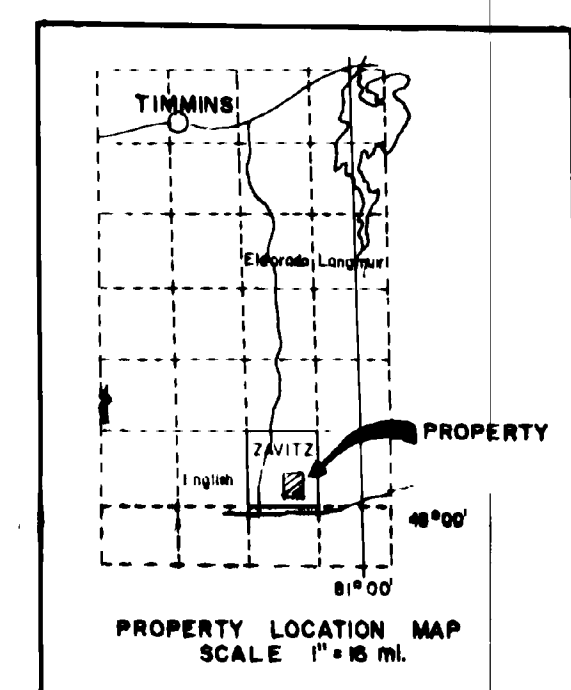
- Swamp
- Trail
- Claim Post
- Bedding - vertical, inclined
- Schistosity - vertical, inclined
- Jointing - vertical, inclined
- Fault
- Geological Contact - Assumed
- Quartz Vein
- Sulfidation
- Outcrop
- Bush Road



ZAVITZ PROJECT
MORAY LAKE GRID
GEOLOGY

0 25m 50m 100m 200m

Drawn By: R.L.L. Title: 12500
 Date: Dec 1981 N.T.S. 42-A/3



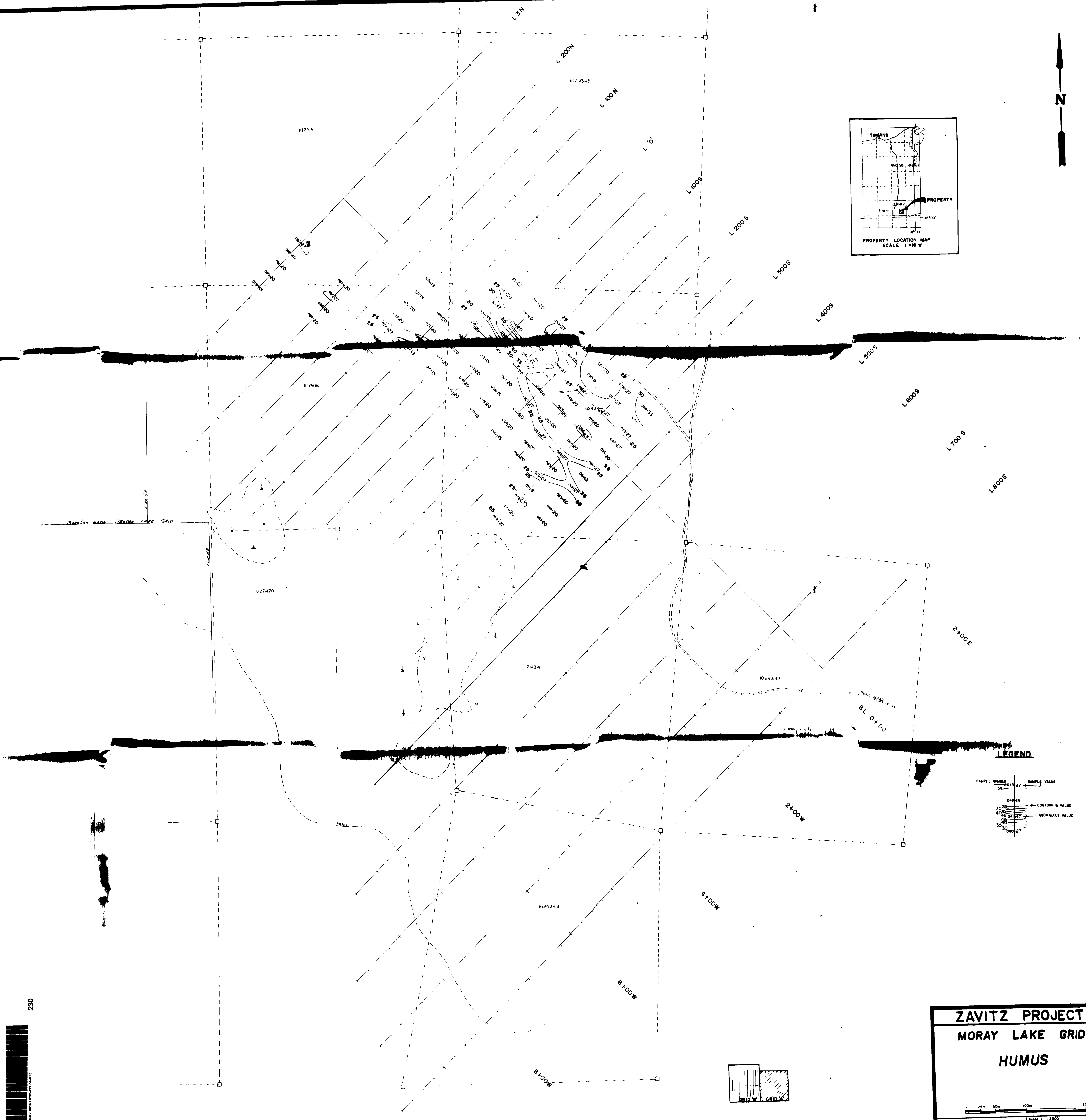
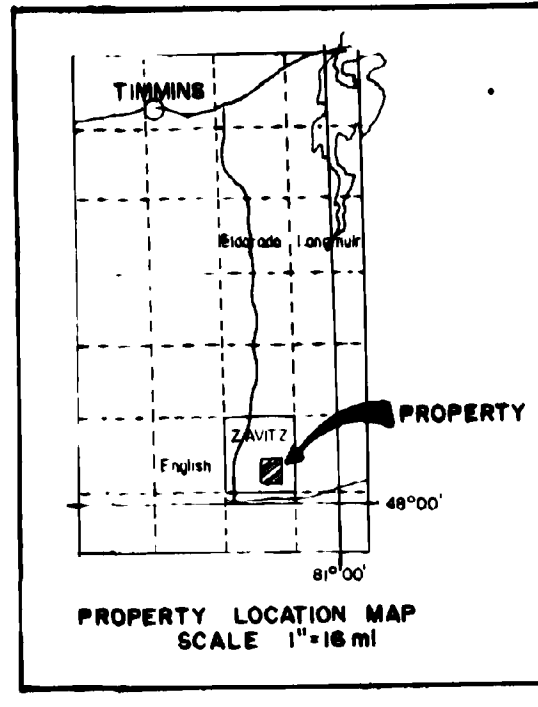
SAMPLE NUMBER	SAMPLE VALUE
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117928	30
117929	33
117930	30
117931	28
117932	30
117933	33
117934	30
117935	28
117936	30
117937	33
117938	30
117939	28
117940	30
117941	33
117942	30
117943	28
117944	30
117945	33
117946	30
117947	28
117948	30
117949	33
117950	30
117951	28
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117959	28
117960	30
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117966	30
117967	28
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117970	30
117971	28
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117975	28
117976	30
117977	33
117978	30
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117981	33
117982	30
117983	28
117984	30
117985	33
117986	30
117987	28
117988	30
117989	33
117990	30
117991	28
117992	30
117993	33
117994	30
117995	28
117996	30
117997	33
117998	30
117999	28
118000	30

ZAVITZ PROJECT
DEXTER LAKE GRID
HUMUS

0 25 50 100 200'

Drawn By: A.S. Date: 1/11/00
 Scale: 1" = 100'

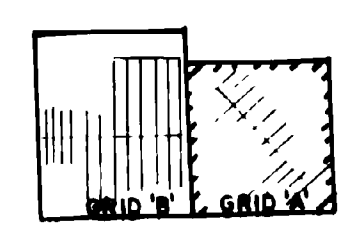




LEGEND

SAMPLE NUMBER	SAMPLE VALUE
04127	25
04113	30
04127	40
04127	35
04127	35

CONTOUR & VALUE
 ANOMALOUS VALUE



ZAVITZ PROJECT
MORAY LAKE GRID
HUMUS

0 25m 50m 100m 200m
 Drawn by: S.L.L. / Date: 12/1 / 1992 / Scale: 1:2500
 Data: D.V.S. / Nov 1992 / N.T.S. - 42-243

