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REPORT ON THE
SIM'S NARROWS CLAIM GROUP
FOR
BRESEA RESOURCES LTD.

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REPORT ON THE
SIM'S NARROWS CLAIM GROUP
SQUAW LAKE CLAIM MAP
PATRICIA MINING DIVISION
STURGEON LAKE, ONTARIO
FOR
BRESEA RESOURCES LTD.

November 5, 1984

W.G. Timmins Exploration
& Development Ltd.



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SUMMARY

W.G. Timmins Exploration & Development Ltd. was retained by Bresea Resources Ltd. to carry out a rock lithogeochemical survey on Bresea's 15 unit claim group, situated in the Sturgeon Lake area of Ontario.

A total of 95 rock samples were taken along two structures, the first being the strongly carbonatized andesitic foot wall of a buried shear zone, the second being a grey, quartz-vein hosted by sheared volcanic rocks. The purpose of the sampling programme was to determine the presence of base and trace element dispersion halos such as those which commonly surround economic ore deposits.

Copper, silver and gold occur in anomalous concentrations only at the pyritized northeastern extremity of the quartz vein. The association between pyrite, grey quartz (silicification) and anomalous patterns of copper, silver and gold, is one which is typically encountered in proximity to economic base-precious metal vein deposits.

It is therefore concluded that the quartz vein environment on Bresea's property still has potential for economic gold-silver mineralization. A limited drill programme is recommended

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using "Winkie" drills to test the vein at depths of 50 meters.

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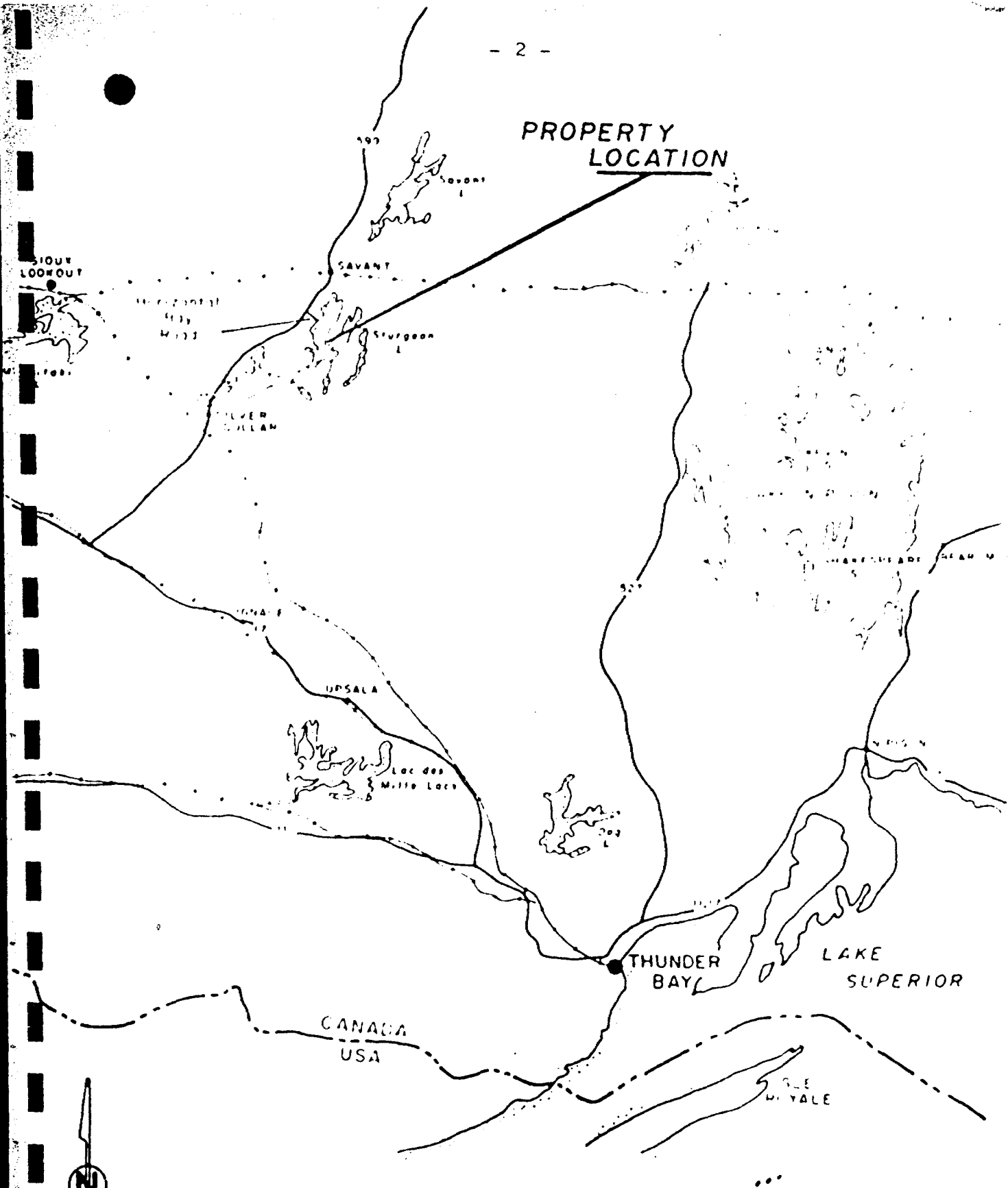
INTRODUCTION

This report describes work undertaken on a group of 15 contiguous mining claims owned by Bresea Resources Ltd. and located in the Sturgeon Lake area of Ontario (figure 1). The work involved a rock lithogeochemical survey along two separate structures which were believed to have potential for gold mineralization.

The exploration was carried out in late August and early September, 1984 by a two-man crew under the direction of W.G. Timmins Exploration & Development Ltd.

The claims are shown on the Ontario Ministry of Natural Resources Claim Map for the Squaw Lake area, plan no. M1904; Patricia Mining Division; claim numbers Pa440031-35, 676777-82 and 676784-87 inclusive (figure 2).

PROPERTY LOCATION



BRESEA RESOURCES LTD.
SIM'S NARROWS CLAIM GRP
STURGEON LK, ONTARIO
PATRICIA MINING DIVISION
PROPERTY LOCATION MAP

20m 0 20m 40m 60m 80m

LOCATION, ACCESS AND PHYSIOGRAPHY

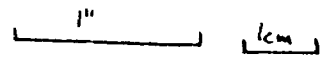
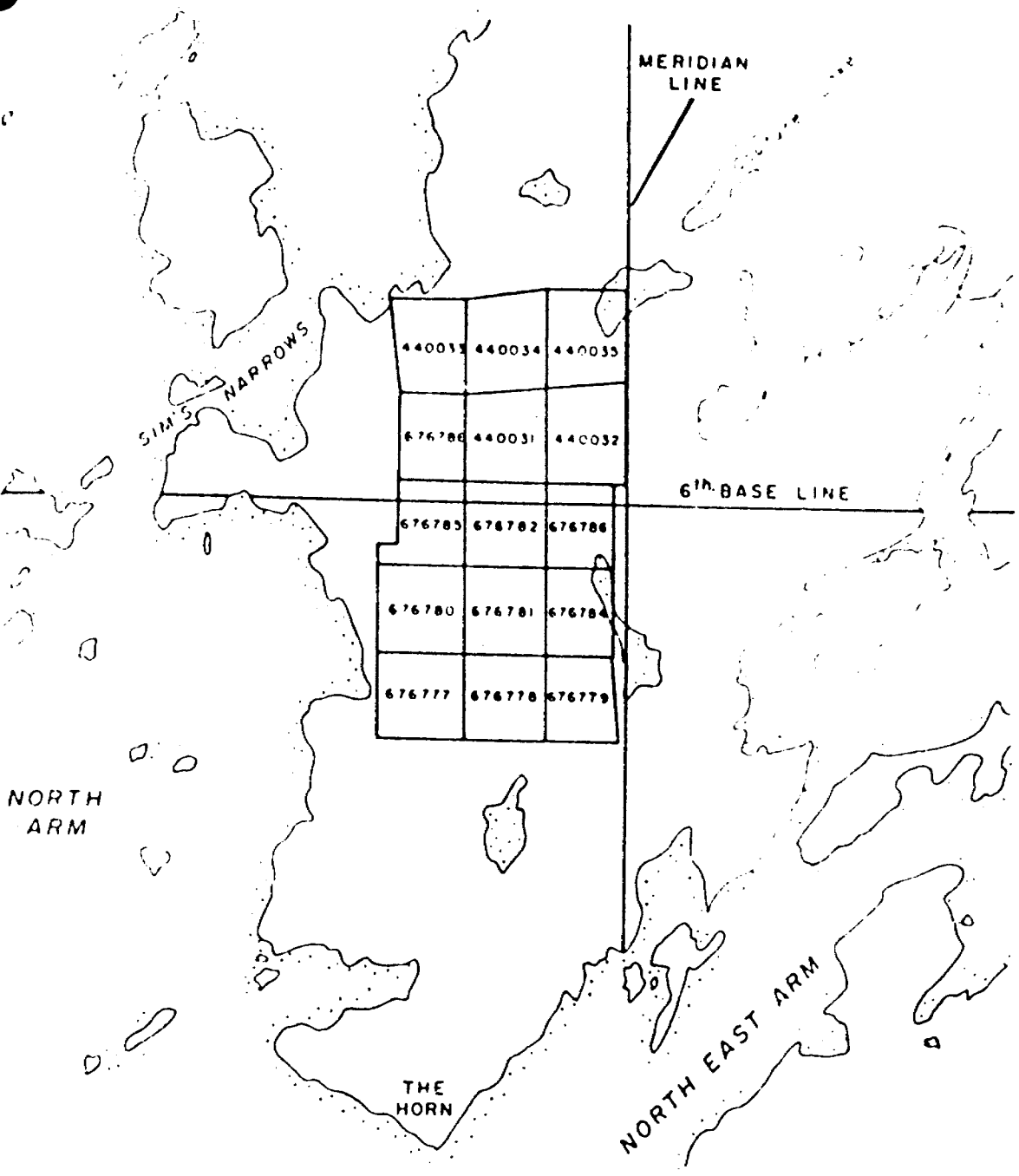
The property is centered at latitude $50^{\circ}04'N$, longitude $90^{\circ}42'W$ in NTS map sheet 52 J/1. This is situated on the peninsula which separates the North and Northeast Arms of Starreon Lake (figures 1, 2). The claims are 2 kilometres by water from the Horizontal Bay road, the closest point of access. The Horizontal Bay road itself is 2 kilometres north of Ignace, along highway 599; Ignace being 250 kilometres northwest along highway 17, from Thunder Bay.

Access to the claims is by boat from the landing on the Horizontal Bay road; supplies being obtainable from Savant Lake, 20 kilometres north of the landing. There is also a float plane service from Savant Lake. Heavy equipment would have to be barged in, during the summer months, or taken across the ice during the winter.

Starreon Lake lies 409 metres above mean sea level; the highest point on the property is 460 metres. There are numerous small cliffs up to 10 metres in height, and many areas of swamp. The northwestern part of the property, in particular, is swampy and largely covered in windfall, making foot progress difficult. Although the area is well forested, undergrowth is not particularly thick, except in areas of

swamp or windfall. Vegetation consists principally of spruce and poplar.

Glacial overburden is minimal, being thickest in swampy areas and in gullies. Outcrop exposure is therefore usually excellent.



BRESEA RESOURCES LTD.
SIM'S NARROWS CLAIM GRP.
 STURGEON LK., ONTARIO
 PATRICIA MINING DIVISION
CLAIM LOCATION MAP

131,680	Aug 83	FIG. 2	B.O.S.
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EXPLORATION HISTORY

Exploration in the North Sturgeon Lake area dates back to the late 1890's and early 1900's when the construction of the Canadian National Railway made the region accessible to prospectors. By 1911, numerous gold and silver showings had been discovered in the area, particularly along the shore of the peninsula separating the North and Northeast Arms of the lake.

One of these, located 4.4 kilometres north-northeast of Bresea's property, became the St. Anthony mine; the only gold producer in the Sturgeon Lake region (1905 to 1941). The mine has seen several owners since the 1940's, however, none have been able to put it back into production. It is presently held by Aubet Resources Ltd.

Moore (1911) mentions trenching along a quartz vein, within the present boundaries of the Bresea property; the same quartz vein which is the subject of this report. Despite the many discoveries and the opening of the St. Anthony mine, exploration went to a standstill by the late 1920's.

In 1969, the discovery of the Mattabi base metal deposits in the South Sturgeon Lake area sparked renewed activity

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throughout the region.

During 1970 and 1971 Selco Exploration Company Ltd. conducted a programme of exploration for base metals over a large area of the peninsula, including Bresea's property (Austin 1970 and Reed 1971). Electromagnetic and magnetic ground surveys were completed. Follow-up drilling located several zones of conductive pyrite-pyrrhotite enrichment; one of these holes being sited on the property (see Figure 3). These conductive horizons represent felsic metavolcanic (tuffs, volcanoclastics) and metasedimentary rocks. No gold and silver values are noted in the assessment files. The property was allowed to lapse.

Exploration activity again died down in the mid 1970's until 1982 when Steep Rock Resources (then Steep Rock Iron Mines Ltd.) discovered significant gold mineralization on the north shore of King Bay, 7.5 kilometres southwest of the property. This discovery precipitated a staking rush during the latter part of 1982 and early 1983.

The small showings discovered prior to 1911 are presently held by individuals or by junior companies and a few of these showings are being hand-cobbed by the proprietors.

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GEOLOGY

The following is extracted from Hansen 1983:

"The Precambrian rocks of the Sturgeon Lake area are part of the Wabigoon Subprovince of the Superior Province. The Sturgeon Lake Metavolcanic-Metasedimentary Belt, has been subdivided by Trowell (1983 a,b) into four assemblages on the basis of lithology and geographic distribution. Subvolcanic intrusions are extensive, batholithic granitic complexes form southern, eastern and northwestern boundaries to the greenstone belt. Plutons of varied composition (granodiorite, syenite, etc.) and varied age were emplaced within and marginal to the greenstone belt. Ages of these stocks and plutons varies from syn- to post-tectonic. Most of the rocks of the area have been subjected to greenschist to lower almandine-amphibolite facies metamorphism.

According to Trowell (1983 b) the central and northern parts of the property consist of metavolcanics and metasediments of the North Arm cycle; the southeastern part consists of greenstone of the Northeast Arm cycle. Both cycles belong to the Northeast Arm Assemblage, one of the four assemblages mentioned above. The North Arm cycle consists of an upper formation of massive to porphyritic flows and pillowed flows, underlain by a formation consisting

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of mafic to intermediate fragmental rocks. The upper formation of the Northeast Arm cycle consists of massive, pillowed and amygdaloidal flows, with associated minor autoclastic and hyaloclastic breccias. This stratigraphic sequence, although no doubt accurate on a regional scale, does not entirely correspond with observations made during mapping on the property.

The Western Granitic Complex, composed largely of granodiorite (trondhjemite), forms the eastern boundary to the peninsula. It outcrops in the northwestern and central western areas of the property. Gabbroic dykes intrude the above mentioned sequence in the northwest corner."

The geology of the Bresea property is shown on figure 3 (as determined in 1983).

The stratigraphic sequence strikes 030° and has a near vertical dip. The base of the sequence is believed to be to the northwest (Hansen 1983).

The dominant formations are pillowed to massive intermediate to mafic volcanic rocks. Occasional rhyolite tuff and rhyodacitic flows or intrusions have also been observed. The Western Granitic Complex forms the western margin of

the property. It comprises xenolithic granodiorite. In the vicinity of the 1984 study area, the rocks are composed of green and weakly chloritized, massive, andesitic tuff. A large plug or sill of cherty, quartz-feldspar porphyritic rhyodacite, containing up to 10% angular rock fragments of rhyolite, andesite and feldspar porphyry was observed adjacent to the quartz vein in the center of the property. This rhyodacite is also host to disseminated pyrite (1-2%), minor amounts of chalcopyrite and numerous "pebbles" of fine-grained massive pyrite.

Fracturing is extensively developed particularly in the vicinity of the shear structures. In these regions, the fractures are commonly impregnated with calcite and/or quartz.

Several shear zones, to 50 metres in width, pervade the region. The better developed shears trend 020° to 045° and 090° to 110° and have subvertical dips. They consist principally of pervasively carbonatized chloritic schist with quartz veins, veinlets and segregations also being present. Two such shears were the targets of exploration in 1984 (figure 3).

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i) South Structure

This consists of the exposed footwall of a buried shear zone which trends 020° and is traceable over 340 metres, from the southern edge of the claim block (0+00N 8+75E). The exposure consists of a vertical "fault" face which is intensely carbonatized (pervasive and as veinlets) and locally silicified (pervasive). Host rocks consist of very fine-grained and massive andesite (figure 4).

ii) Central Quartz Vein

The vein, centered about station 12+96N. 4+15E, trends 045° and dips steeply to the northwest. Its average width is 1.0 metre although it reaches 1.7 metres and it has been traced over 220 metres (figure 5).

The vein consists of massive to vaguely banded, brittle, white and grey to black quartz, locally with small fragments of wall rock. The wall rock consists of fine-grained, massive andesite in the foot wall and in the southwestern half of the hanging wall. The northern half of the hanging wall comprises the rhyodacite intrusive previously mentioned.

The host rock is intensely sheared and carbonatized to a distance of 0.5 metres from the vein, suggesting that it was probably emplaced along a fault structure.

MINERALIZATION

The St. Anthony mine produced 63310 ounces of gold at a grade of 0.19 oz/T gold and 16341 ounces of silver at a grade of 0.05 oz/T silver from a network of grey quartz veins cutting Western Granitic Complex granodiorites (Hansen 1983).

The Mattabi, "F"-Zone, Lyon Lake and NBU (Boundary) deposits at the south end of the lake contain zinc dominant massive sulphide ore and are typical volcanogenic massive sulphide deposits.

The only other "production" in the region is from a series of blue-black quartz veins, cutting greenstone and feldspar porphyry, occurring on Rainbow Island, 2.8 kilometres southwest of the property. Two individuals are presently hand-mining the vein system (R. Krause, personal communication 1984). Grades from the ore dump range from 0.978 oz/T gold to 5.302 oz/T gold (Hansen 1983).

Several showings are located in the vicinity of the Bresea property.

Moore (1911) describes a showing 1 kilometre north of the property known as the Coveney Prospects which have been trenched and on which a number of shafts were sunk. One assay reported by Moore carries 0.2 oz/T gold and 22.72 oz/T silver. This showing is near the contact between granodiorite and greenstone. A showing on the coast 0.5 kilometres to the south of the property is also on the contact between granodiorite and greenstone. This has been trenched at some time in the past. On the Horn, 1.7 kilometres south of the property, a quartz vein on the contact between intermediate to felsic and mafic metavolcanics is presently owned, and intermittently worked by Rickabee Mines Ltd. Grades from samples collected in 1983 range from 0.032 to 0.662 oz/T gold.

Mineralization discovered by Steep Rock Resources in 1982 consists of a network of dark quartz veins within intermediate volcanic rocks. Grades as reported in 1983 range from 0.23 oz/T gold over 10.9 feet of core (3.3 metres) to 1.36 oz/T gold over 29.7 feet of core (9.1 metres), (Northern Miner, January 13, 1983). Results of exploration work from 1983 and 1984 are not known to the author.

Mineralization on Bresea property consists of minor amounts of disseminated pyrite associated with the felsic volcanic

horizons, the quartz vein and the sheared foot wall/hanging wall of the vein. Trace amounts of chalcopyrite were also noted in both the vein and the rhyodacitic intrusion adjacent to the vein.

GEOCHEMISTRY

A total of 95 rock samples were collected in the vicinity of the two structures. All of the samples were analysed for copper, lead, zinc, silver, gold, arsenic, antimony and mercury. Results are indicated in Appendix I, sample sites shown in figures 4 and 5. Element distributions of interest are shown in figures 6 and 7a to 7c.

i) South Structure

A total of 20 one metre rock chip samples and 35 grab samples were taken near the south structure. Of these, 21 were collected at 3 and 25 metre intervals along the structure itself. The others were taken as representative of non-altered host lithologies. The purpose for this lithogeochemical approach was to determine the presence of potential base metal or trace element dispersion halos, such as the primary alteration halos which commonly surround ore deposits.

Results indicate low level background values for all elements throughout the immediate area. There is no difference in background between altered and non-altered rocks. Values for silver, arsenic, lead and mercury are well below regional averages (Appendix II).

Of interest, however, is a very weak but discreet, 50 metre long, anomaly associated with a silicified zone near the northeastern extremity of the structure. Within this silicified zone is a gold-antimony anomaly (single sample) whereas silver and copper are very weakly enriched immediately beyond the limits of silicification (2 samples). This is an indication that silicification which is a degree of alteration more closely related to economic mineralization than is carbonatization, has occurred along the buried part of the structure and that the silicification has probably been accompanied by some form of mineralization as evidenced by the higher metal values associated with the quartz alteration.

It should be noted, however, that the "anomalous" values are nevertheless very low.

ii) Central Quartz Vein

Forty (40) rock chip samples, varying in length from 0.5 to 1.7 metres were taken along the length of the vein. Sample sites were located at 15 metre intervals, with up to three samples taken at each site. A sample was collected from each of the foot wall, hanging wall and vein (where exposed). Determining the presence of potential primary dispersion halos was also the target in this area.

Background levels of all elements is low except at the northeastern extremity of the vein system. In that area, both the vein and the hanging wall rocks (pyritized rhyodacite intrusive) host narrow veinlets of chalcopyrite and pyrite, reflected by strongly anomalous silver (to 21 ppm), copper (to 3%) and gold (to 472 ppb) geochemistry. Values in the foot wall are erratic.

The anomalous copper, silver and gold values are significant in that they are coincident and that they may represent part of a dispersion halo, typically associated with economic mineralization. Gradual increase in pyrite content and darker colour of the quartz vein in the anomalous zone add further support to this possibility.

CONCLUSIONS

The geology of the property, particularly of the quartz vein area, has many similarities to that of other gold properties elsewhere in the North Sturgeon Lake region.

Intense carbonate alteration is an indication of low temperature (distal) hydrothermal activity hence both structures stilled in 1984 have been invaded by cool hydrothermal fluids. The presence of pervasive and vein-type silicification suggests the area has experienced more intense, localized, hydrothermal activity as well.

The dark colour of the quartz is caused by microscopic impurities such as carbon or sulphides; these impurities being the host for gold in typical gold-quartz vein deposits.

The siliceous zones on the Bresea property are also accompanied by weak but distinct copper-silver-gold⁺-antimony anomaly patterns, suggesting silicification has been accompanied by some form of mineralization.

The total lack of arsenic, antimony and mercury suggests that these mobile elements may be completely absent on a regional scale. They have not been remobilized during

shearing and veining. Furthermore, the regional background concentration for all other elements analysed is extremely low with the result that weak anomalies may be considered as significant particularly when these are associated with silicification.

On the basis of the above mentioned observations, it appears the northeastern extremity of the Central Quartz Vein has many of the characteristics associated with primary dispersion halos located adjacent to, or above economic vein mineralization.

A potential ore zone may therefore be located directly below or to the northeast of the anomalous zone. Furthermore, the close association of copper, gold and silver is indicative of the possibility that economic grades of copper may be accompanied by economic grades of silver and gold.

The presence of a narrow, weakly metal-enriched, silicified zone in the foot wall of the buried South Structure shear zone suggests there may be potential for a mineralized siliceous zone at depth below the surface exposure. The small size and weakness of the surface anomaly indicates that such a potential ore zone would be located at a moderate depth.

It is therefore believed that the quartz-vein structure has good potential for base-precious metal, quartz-vein hosted mineralization. A similar but much less important potential exists below the silicified zone of the South Structure.

RECOMMENDATIONS

Two "Winkie" holes should be drilled beneath the anomalous zone of the quartz vein. Both holes should be drilled to vertical depths of 250 feet (75 metres) in order to intersect the vein at a dip depth of 160 feet (50 metres). This would determine whether or not the surface mineralization is associated with a more extensive alteration halo or to actual economic mineralization. A more detailed and extensive drilling programme will be recommended should results from the "Winkie" drilling warrant such a programme.

COST STATEMENT

This budget assumes drilling would take place over a period of two weeks, and would employ two drillers working on an 8 to 10 hour per day basis. One geologist would be involved as well.

Geological:

Labour (field) 15 days @ \$300/day	\$ 4,500
Accommodation/Food/Mobilization - 15 days @ \$60/day	900
Geochemistry 12 rock samples @ \$25/sample	300
Report Preparation 5 days including labour plus typing, drafting, copying, etc.	<u>2,000</u>
Total Geological	7,700
15% Contingency	<u>1,100</u>
Total	\$ <u>8,800</u>

Drilling:

Drilling (incl. labour) 500 feet @ \$10/foot	\$ 5,000
Accommodation/Food, etc. 2 men @ \$50/day x 15	1,500
Materials (oil, drill bits, etc) @ 10% of drilling	500
Mobilization/demobilization costs @ 20% of drilling	<u>1,000</u>
Total Drilling	8,000
15% Contingency	<u>1,200</u>
Total	\$ <u>9,200</u>
Grand Total - Exploration	\$ <u>18,000</u>

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Further work would be contingent upon results of the aforementioned exploration programme.

Respectfully submitted,

Phil D. Van Angeren

P.D. Van Angeren, Geol.

W.G. Timmins Exploration
& Development Ltd.

November 5, 1984

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CERTIFICATE

I, PHILIP D. VAN ANGEREN residing at 506, 521 - 57 Avenue S.W., Calgary, Alberta do hereby certify that:

1. I am a geologist having been practising my profession for seven years.
2. I am a graduate of McGill University, Montreal, P.Q., having received an honours B.Sc. degree in Geology in 1977.
3. I have no interest direct or indirect in the property or securities of Eresea Resources Ltd., nor do I expect to receive any such interest.
4. I am the author of this report which is based on personal knowledge of the area gained during an exploration programme supervised by W.G. Timmins and conducted by myself and a field assistant between August 28 and September 9, 1984.

Dated at Calgary, Alberta this 5th day of November, 1984:



P.D. Van Angeren, Geologist
W.G. Timmins Exploration
& Development Ltd.

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TROWELL, N.F. (1983b); Geology of the Sturgeon Lake Area,
Districts of Thunder Bay and Kenora; Ontario
Geological Survey Report 221, 97p. Accompanied
by Maps 2456, 2457, 2458, scale 1:50,000, 1 Chart,
and 1 sheet of Microfiche.

APPENDIX I

APPENDIX I

ANALYTICAL PROCEDURES

All of the geochemical samples were prepared and analysed by Terramin Research Laboratories Ltd. in Calgary.

Rock samples were pulverized to -200 mesh before a split of this fraction was analysed.

Copper, lead, zinc, silver and antimony are analysed by the atomic absorption technique. For each element, a 0.5 gram sample was previously dissolved in hot aqua regia. Silver, antimony and lead require a correction for background.

Arsenic analyses are by an arsine solution extraction ($\text{HCl} - \text{O}_4 - \text{HNO}_3$) followed by colorimetric determination.

Gold analyses are by fire assay techniques using a 10.0 gram sample. By igniting the sample to 600°C , a lead bead is obtained. This bead is then dissolved in hot aqua regia and gold content is determined by the atomic absorption method.

Mercury is analysed by cold vapor AA after a 0.5 gram sample is dissolved in aqua regia and an aliquot of the extract is added to a stannous chloride and hydrochloric acid solution.

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APENDIX II



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-251

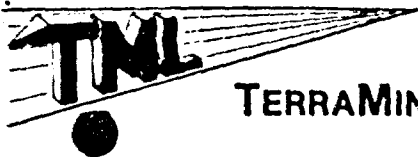
W.G. Timmins

Date Oct. 9, 1984

Client Project Bres.

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Sample No.	Au ppb	Ag ppb	Hg ppb	As ppm	Sb ppm	Cu ppm	Pb ppm	Zn ppm
1201	-2	30	10	2	0.4	65	-1	46
1202	-2	30	5	2	-0.2	86	-1	41
1203	-2	10	10	-1	-0.2	77	-1	27
1204	-2	20	5	3	-0.2	91	-1	52
1205	-2	20	10	2	-0.2	48	-1	36
1206	10	20	5	2	-0.1	79	-1	66
1207	2	60	-5	3	1.6	92	2	43
1208	4	40	5	2	-0.2	95	-1	38
1209	-2	40	15	2	2.7	90	13	41
1210	-2	20	10	2	0.2	59	-1	46
1211	-2	10	5	2	-0.2	66	-1	38
1212	-2	10	10	-1	-0.2	58	2	33
1213	-2	30	10	-1	-0.2	61	-1	39
1214	-2	10	10	-1	-0.2	43	1	10
1215	-2	40	5	2	-0.2	102	-1	64
1216	-2	20	5	2	0.2	43	-1	30
1217	-2	40	10	2	0.2	76	-1	39
1218	-2	20	5	-1	0.2	69	-1	35
1219	12	140	-5	1	0.4	440	-1	54
1220	-2	50	-5	-1	-0.2	136	-1	38
1221	38	20	-5	2	1.2	76	1	48
1222	2	130	-5	-1	0.7	350	-1	54
1223	4	10	5	-1	0.2	64	-1	40
1224	6	60	5	-1	0.2	55	-1	8
1225	-2	10	5	2	-0.2	72	-1	36



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Sample No.	Au ppb	Ag ppb	Hg ppb	As ppm	Sb ppm	Cu ppm	Pb ppm	Zn ppm
1226	10	180	-5	-1	0.2	370	-1	69
1227	12	80	-5	-1	0.2	370	1	109
1300	-2	30	-5	1	-0.2	89	-1	64
1301	2	30	-5	2	-0.2	73	-1	89
1302	-2	20	-5	-1	-0.2	63	-1	40
1303	-2	40	-5	3	-0.2	66	-1	38
1304	-2	40	-5	4	-0.2	77	-1	42
1305	2	50	-5	-1	-0.2	70	-1	48
1306	-2	10	-5	1	1.2	67	16	36
1307	-2	40	-5	1	1.4	81	3	45
1308	-2	10	1	1	-0.2	74	-1	41
1309	-2	30	10	1	0.2	60	-1	34
1310	4	40	5	1	0.2	94	-1	57
1311	2	40	5	2	0.4	85	-1	49
1312	-2	40	5	2	-0.2	82	-1	45
1313	-2	110	-5	2	0.4	79	-1	36
1314	-2	40	-5	1	1.4	82	2	50
1315	24	20	-5	-1	-0.2	85	-1	39
1316	-2	20	5	1	-0.2	56	-1	37
1317	4	40	-5	1	1.9	97	8	35
1318	-2	30	-5	2	-0.2	80	-1	39
1319	-2	10	5	-1	0.2	55	-1	32
1320	-2	10	5	2	-0.2	17	-1	36
1321	-2	20	5	1	1.1	33	2	17
1322	-2	30	-5	2	-0.2	116	-1	60



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ANALYTICAL REPORT

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Sample No.	Au ppb	Ag ppb	Hg ppb	As ppm	Sb ppm	Cu ppm	Pb ppm	Zn ppm
1323	-2	10	-5	2	0.2	3	-1	62
1324	4	50	5	2	-0.2	94	-1	75
1325	-2	20	5	3	0.4	66	-1	43
1326	-2	20	-5	4	-0.2	56	-1	36
1327	-2	20	-5	2	-0.2	64	-1	72
1328	2	40	-5	3	1.9	60	3	38
1329	18	250	-5	-1	-0.2	450	-1	195
1330	-2	10	5	2	-0.2	86	-1	17
1331	-2	10	-5	2	-0.2	33	1	4
1332	-2	10	5	3	-0.2	41	-1	95
1333	-2	40	5	9	-0.2	113	-1	108
1334	2	30	-5	1	-0.2	45	-1	18
1335	-2	40	-5	1	0.7	82	1	4
1336	-2	20	-5	2	-0.2	115	-1	103
1337	-2	40	-5	1	-0.2	87	-1	85
1338	-2	20	-5	4	-0.2	17	-1	81
1339	12	40	-5	2	-0.2	8	-1	6
1340	-2	110	-5	1	-0.2	207	-1	5
1341	2	450	-5	2	-0.2	390	-1	30
1342	-2	50	-5	1	-0.2	85	-1	68
1343	-2	10	-5	1	-0.2	41	-1	94
1344	-2	10	-5	2	-0.2	35	-1	5
1345	-2	10	10	-1	-0.2	10	-1	52
1346	2	100	5	-1	-0.2	125	-1	47
1347	-2	90	5	-1	-0.2	82	-1	8



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

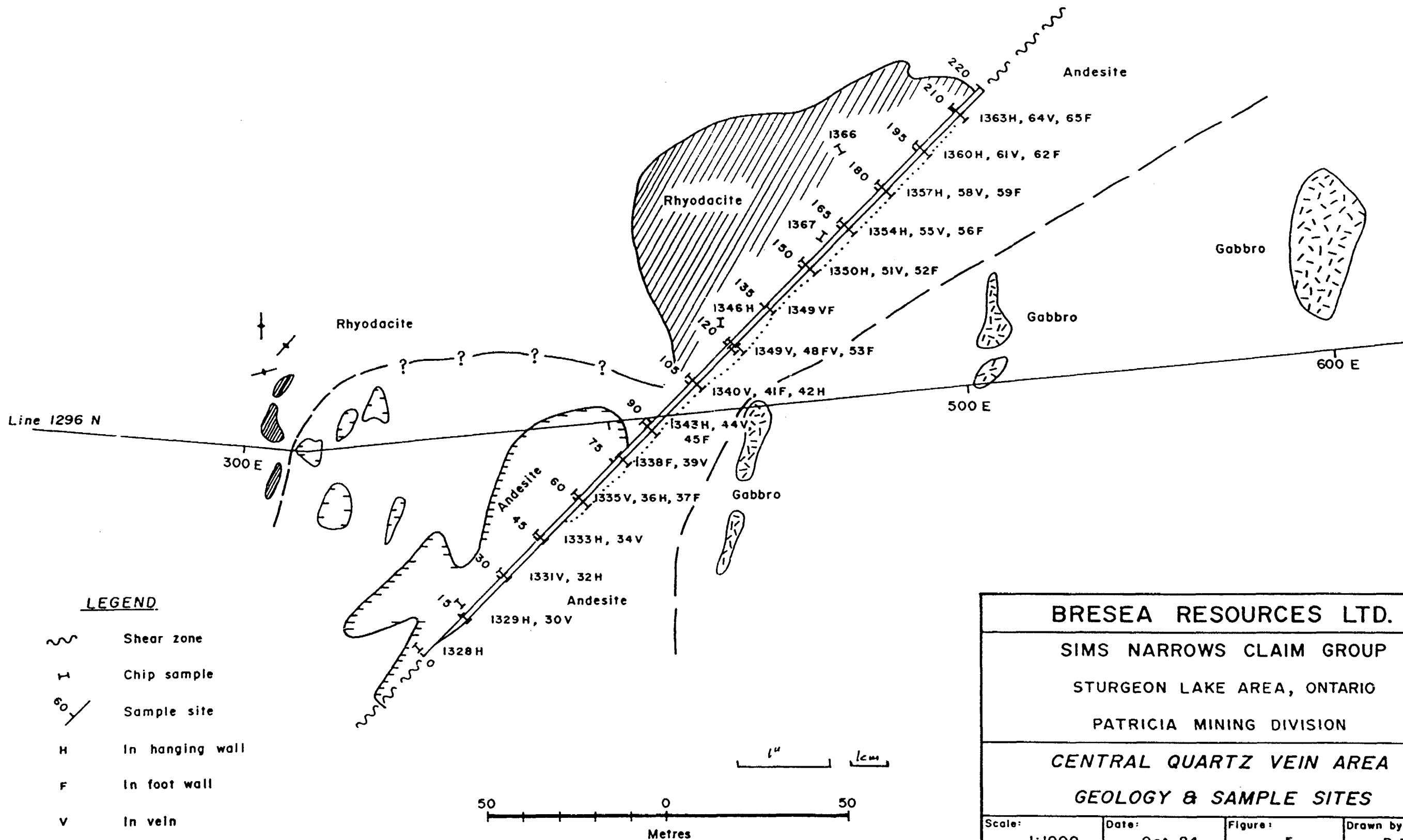
Job # 84-251

Date

Client Project Bres

Page 4/4

Sample No.	Au ppb	Ag ppb	Hg ppb	As ppm	Sb ppm	Cu ppm	Pb ppm	Zn ppm
1348	-2	60	5	-1	-0.2	87	-1	59
1349	14	900	-5	-1	-0.2	920	-1	43
1350	6	30	-5	3	-0.2	102	-1	98
1351	-2	80	5	-1	-0.2	145	1	12
1352	-2	230	10	-1	-0.2	300	-1	48
1353	4	30	10	27	-0.2	27	-1	92
1354	6	30	10	-1	-0.2	16	-1	34
1355	-2	270	5	-1	0.9	195	12	26
1356	-2	20	5	1	-0.2	32	-1	87
1357	6	490	10	-1	-0.2	163	4	59
1358	2	550	10	-1	-0.2	147	2	47
1359	14	1240	5	-1	-0.2	480	1	108
1360	12	440	5	-1	-0.2	650	-1	91
1361	472	8200	-5	-1	-0.2	2800	27	51
1362	-2	60	5	-1	-0.2	14	-1	75
1363	38	21000	10	-1	-0.2	32000	-1	175
1364	2	470	-5	-1	-0.2	790	-1	63
1365	16	620	-5	6	-0.2	350	8	78
1366	2	80	5	-1	0.2	204	-1	43
1367	14	660	5	-1	-0.2	890	-1	550



LEGEND

- ~ Shear zone
- I Chip sample
- 60° Sample site
- H In hanging wall
- F In foot wall
- V In vein

BRESEA RESOURCES LTD.

SIMS NARROWS CLAIM GROUP

STURGEON LAKE AREA, ONTARIO

PATRICIA MINING DIVISION

CENTRAL QUARTZ VEIN AREA

GEOLOGY & SAMPLE SITES

Scale: 1:1000	Date: Oct. 84	Figure: 5	Drawn by: B.D.S.
------------------	------------------	--------------	---------------------

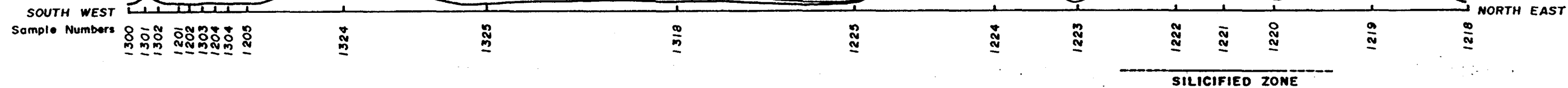
2.171

Ag 0.5 ppm

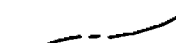



Au 20 ppb

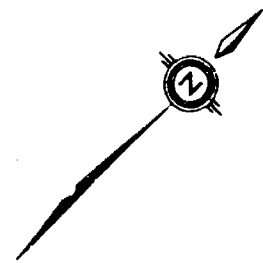
Cu 300 ppm

Sb 0.5 ppm



VERTICAL SCALE

-  Copper 1 cm = 100 ppm
-  Silver 1 cm = 150 ppb (0.05 ppm)
-  Gold 1 cm = 15 ppb
-  Antimony 1 cm = 0.2 ppm



BRESEA RESOURCES LTD.

SIMS NARROWS CLAIM GROUP

STURGEON LAKE AREA, ONTARIO

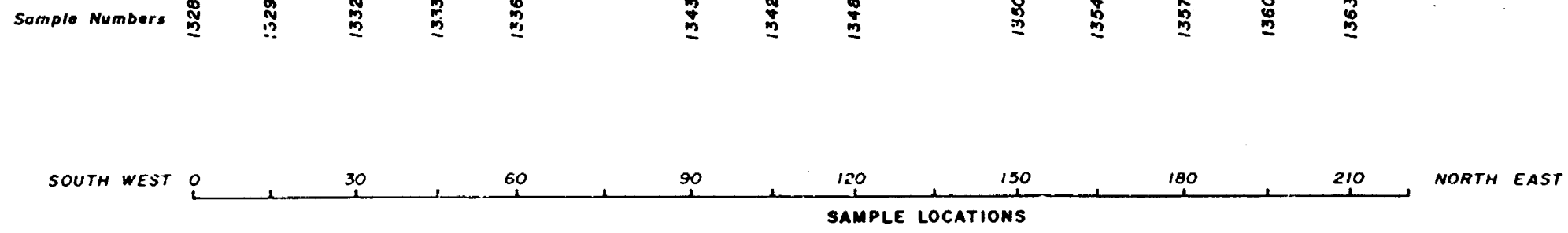
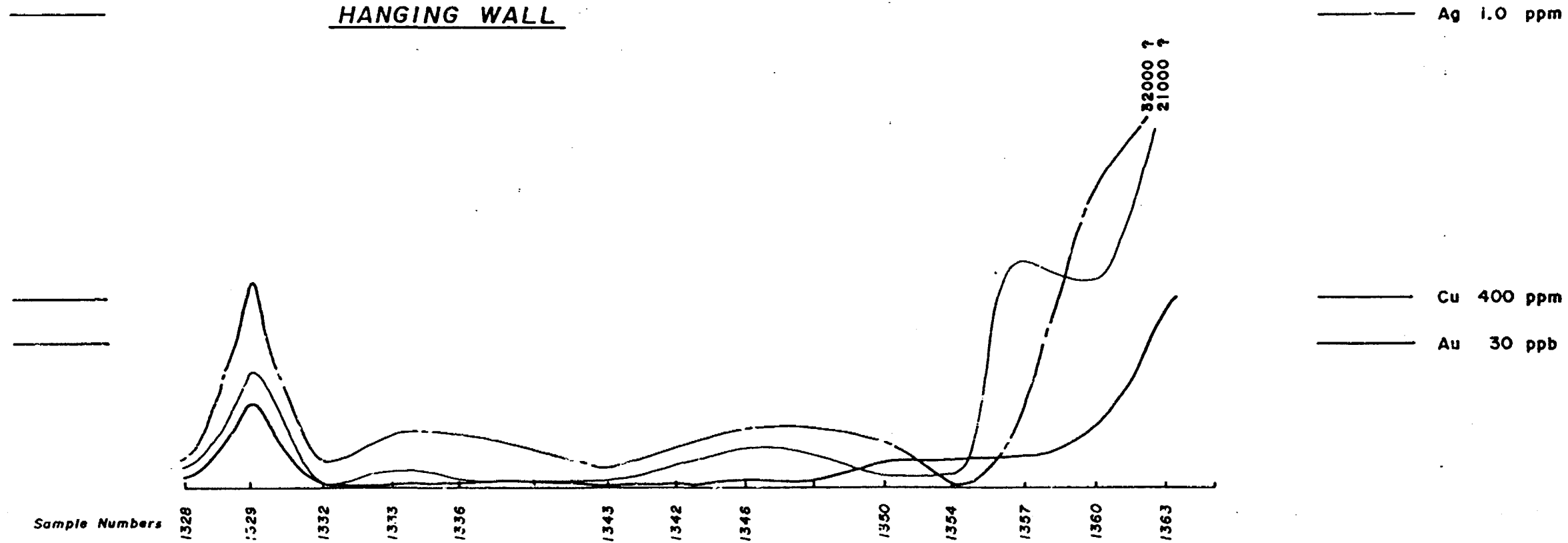
PATRICIA MINING DIVISION

**SOUTH STRUCTURE AREA
LONGITUDINAL GEOCHEMICAL SECTIONS**

Scale: 1:1,000	Date: Oct. 84.	Figure: 6	Drawn by: B. D. S.
-------------------	-------------------	--------------	-----------------------

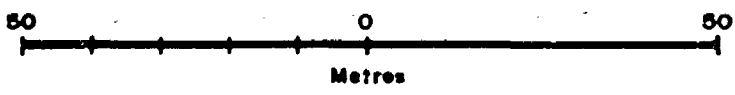
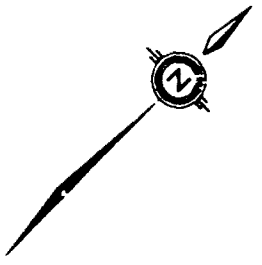
2-7476

HANGING WALL



VERTICAL SCALE

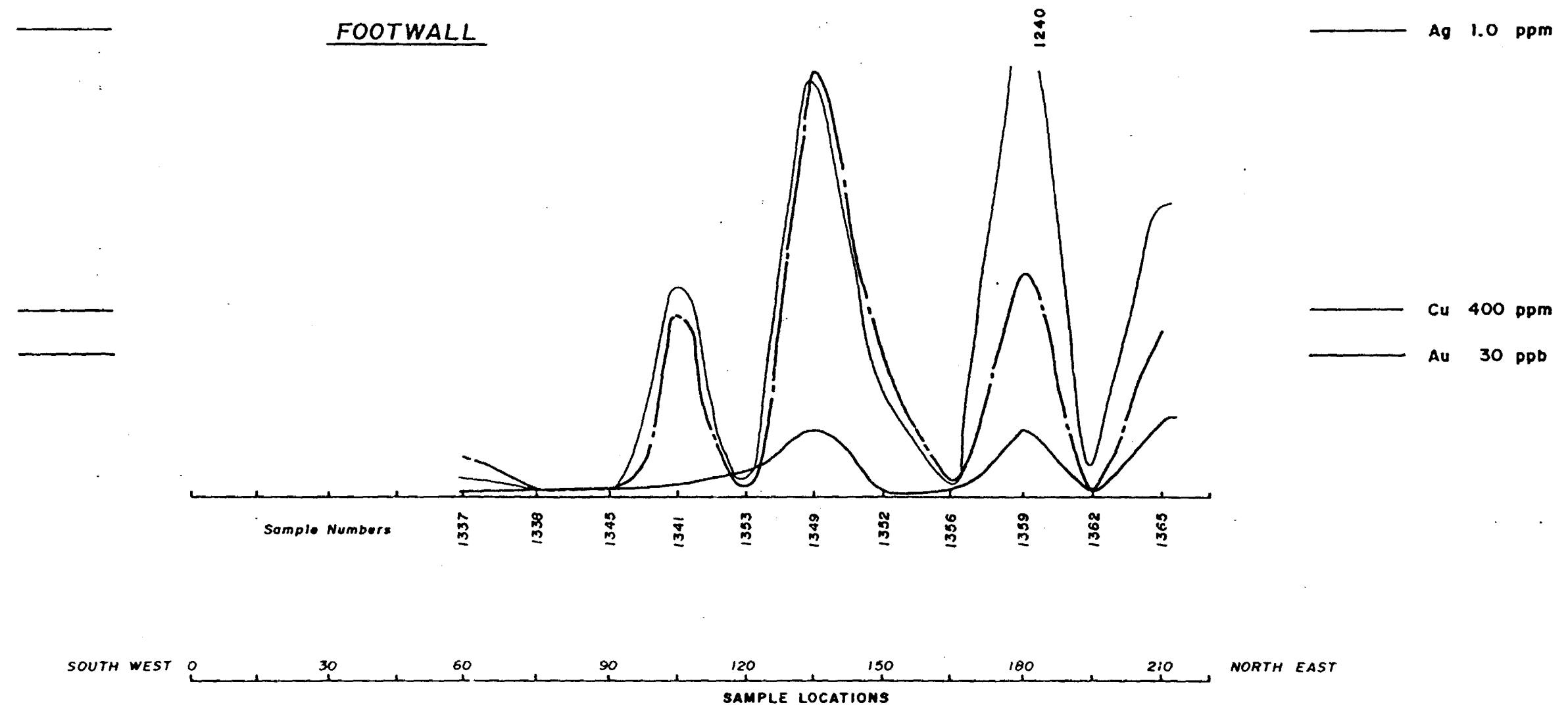
- Copper 1 cm = 100 ppm
- Silver 1 cm = 100 ppb (0.1 ppm)
- Gold 1 cm = 10 ppb



BRESEA RESOURCES LTD.			
SIMS NARROWS CLAIM GROUP			
STURGEON LAKE AREA, ONTARIO			
PATRICIA MINING DIVISION			
CENTRAL QUARTZ VEIN AREA			
LONGITUDINAL GEOCHEMICAL SECTIONS			
Scale: 1:1,000	Date: Oct. 84.	Figure: 7a	Drawn by: B. D. S.

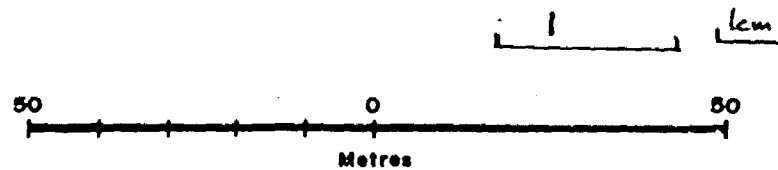
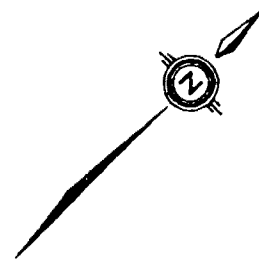
2-7470

FOOTWALL



VERTICAL SCALE

- Copper 1 cm = 100 ppm
- Silver 1 cm = 100 ppb (0.1 ppm)
- Gold 1 cm = 10 ppb



BRESEA RESOURCES LTD.

SIMS NARROWS CLAIM GROUP

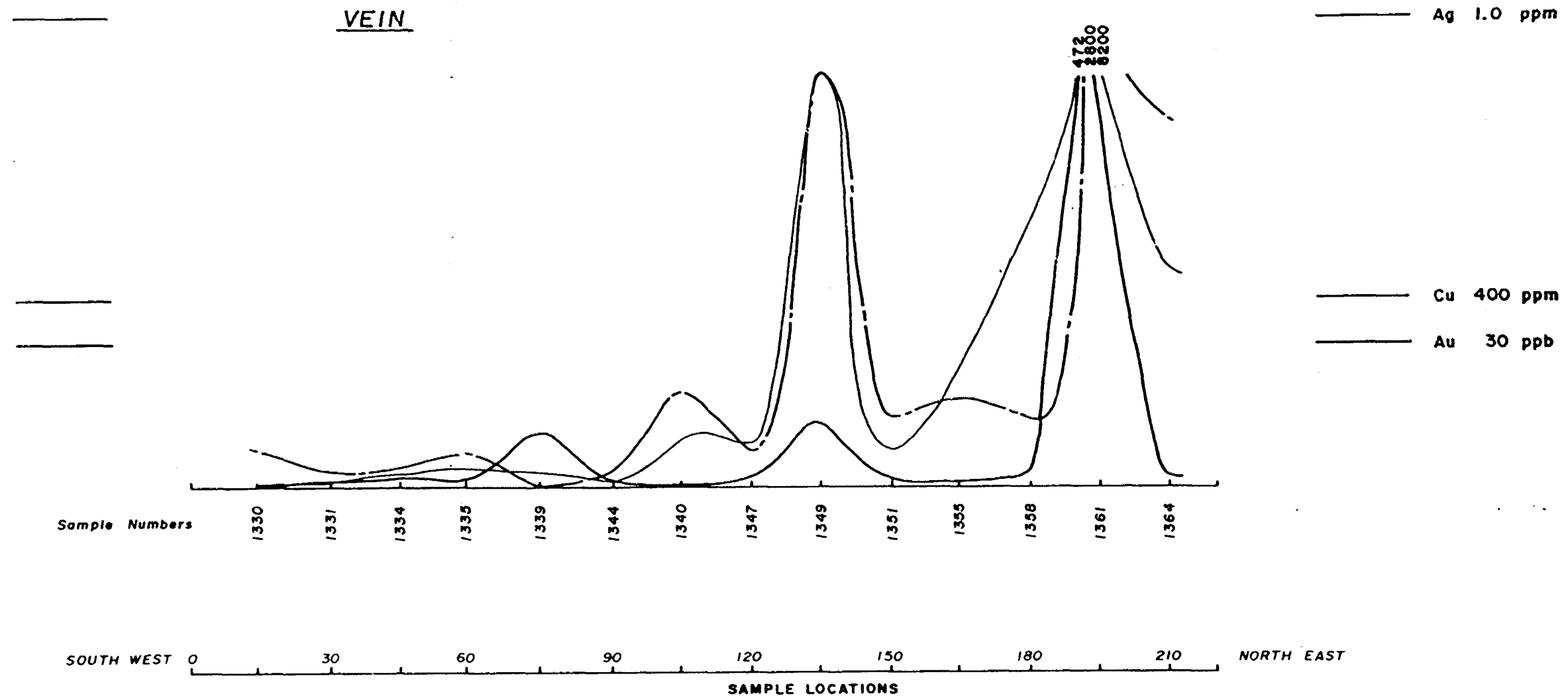
STURGEON LAKE AREA, ONTARIO

PATRICIA MINING DIVISION

CENTRAL QUARTZ VEIN AREA
LONGITUDINAL GEOCHEMICAL SECTIONS

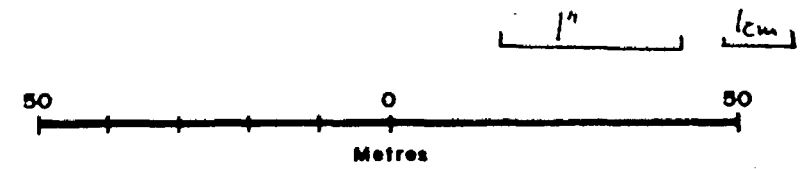
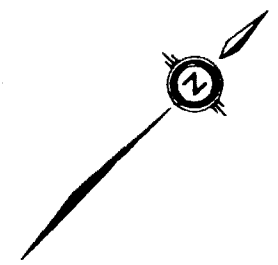
Scale: 1:1,000	Date: Oct. 84.	Figure: 7 b	Drawn by: B. D. S.
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2-7476



VERTICAL SCALE

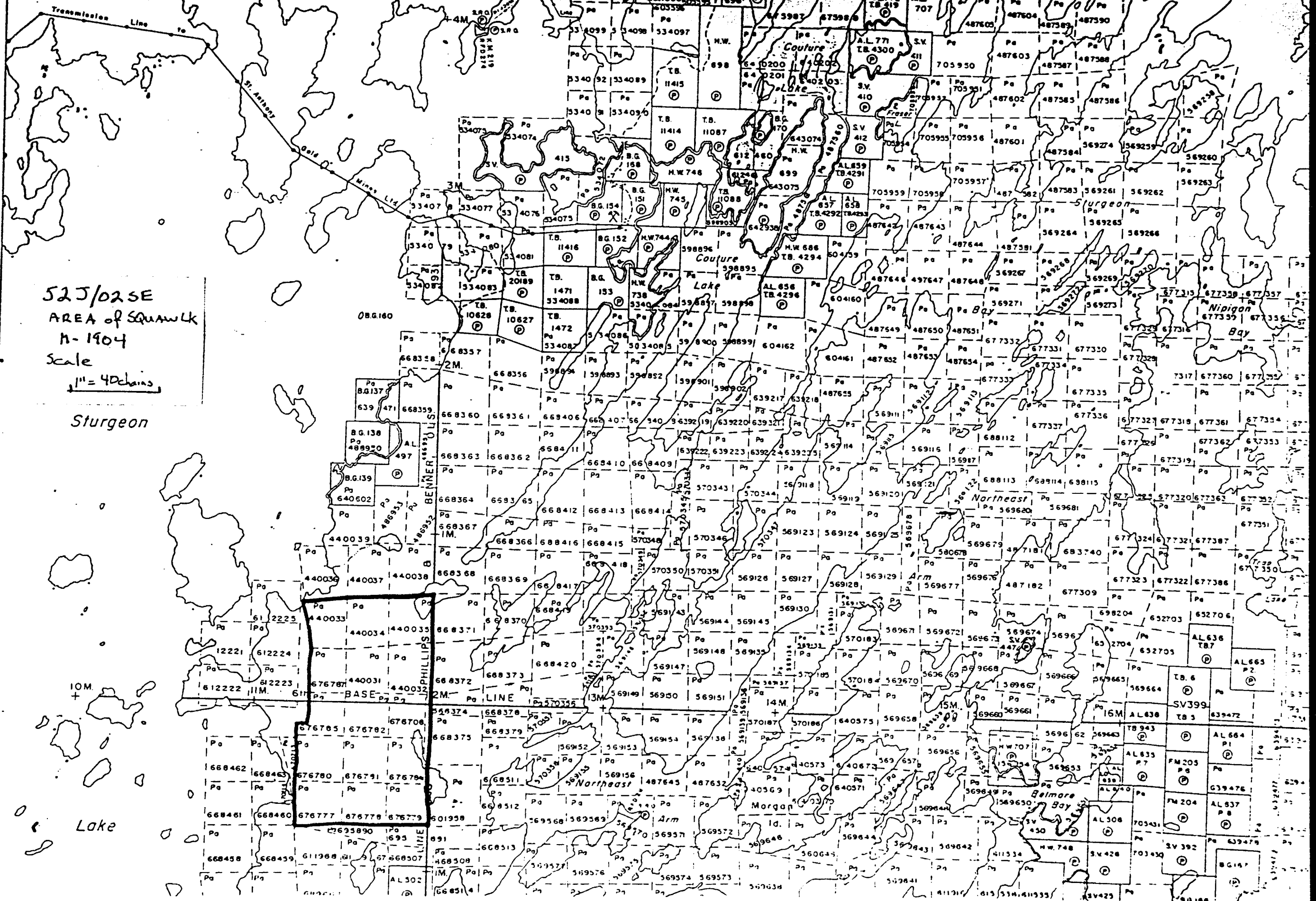
- Copper 1 cm = 100 ppm
- Silver 1 cm = 100 ppb (0.1 ppm)
- Gold 1 cm = 10 ppb



BRESEA RESOURCES LTD.			
SIMS NARROWS CLAIM GROUP			
STURGEON LAKE AREA, ONTARIO			
PATRICIA MINING DIVISION			
CENTRAL QUARTZ VEIN AREA			
LONGITUDINAL GEOCHEMICAL SECTIONS			
Scale: 1:1,000	Date: Oct. 84.	Figure: 7c	Drawn by: B.D.S.

2-7476

BECKINGTON LAKE AREA G-2532



525/02SE
AREA of SQUAWLK
N-1904
Scale
1" = 40 chains
Sturgeon

Fourbay Lake Area - G-2543

Lake



52J02SE2102 52J02SE0078 SQUAW LAKE

900

P.W.M. Mining Lands

Report of Work (Physical, Geological, Chemical and Expenditures)

#84-164

Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." column. - Do not use shaded areas below.

Feb. 17/84

27476

The Mining Act

Type of Survey(s) Rock Lithogeochemical Township or Area Squaw Lake G3140
 Claim Holder(s) Bresea Resources Ltd. Prospector's Licence No. T 1859
 Address #200, 700 - 4 Ave. S.W., Calgary, Alberta
 Survey Company W.G. Timmins Exp. & Dev. Ltd. Date of Survey (from & to) 28 09 84 10 08 84 Total Miles of line Cut -
 Name and Address of Author (of Geo Technical report) Philip Van Angeren, 506, 521 - 57 Ave. S.W., Calgary, Alberta

Credits Requested per Each Claim in Columns at right			Mining Claims Traversed (List in numerical sequence)					
Special Provisions	Geophysical	Days per Claim	Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
			Prefix	Number		Prefix	Number	
For first survey: Enter 40 days. (This includes line cutting) For each additional survey using the same grid: Enter 20 days (for each)	Electromagnetic		Pa	440031	9			
	Magnetometer			440032	8			
	Radiometric			440033	8			
	Other			440034	31			
	Geological			440035	31			
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim		676778	8			
	Electromagnetic			676779	8			
	Magnetometer			676781	8			
	Radiometric			676782	8			
	Other			676784	8			
Automatic Credits Note: Special provisions listed by do not apply to Automatic Surveys	Geological			676785	31			
	Geochemical							
	Electromagnetic							
	Magnetometer							
	Radiometric							

RECEIVED

DEC 28 1984

MINING LANDS SECTION

PATRICIA MINING DIV.
RECEIVED
 DEC 19 1984
 A.M. 7, 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 6 P.M.
 P. 440031

See revised work statement.

Expenditures (Excludes power stripping)
 Type of Work Performed Section 77-19 Geochemical (Assays)
 Portion of Claim(s) Pa 676777, 778, 782, 784 and Pa 440031
 Portion of Expenditure Days Credits
 Total Expenditures \$ 2,375.00 ÷ 15 = 158 Total Days Credits
 I hereby certify that I have a personal and direct knowledge of the facts set forth in the Report of Work appended to this form, and that the work was done in accordance with the Mining Act and the regulations thereunder.

Report of Work Performed by Philip Van Angeren
 Date Dec. 11, 1984
 Signature [Signature]
 Name Philip Van Angeren

For Office Use Only
 Total Days Cr. (Date Recorded) 158 Dec. 19, 1984
 Mining Recorder [Signature]
 Branch Director [Signature]

I hereby certify that I have a personal and direct knowledge of the facts set forth in the Report of Work appended to this form, and that the work was done in accordance with the Mining Act and the regulations thereunder.
 Name Philip Van Angeren
 Date Dec. 11, 1984



Ministry of
Natural
Resources

**Technical Assessment
Work Credits**

File
2.7476

Date
1985 03 07

Mining Recorder's Report of
Work No. **84-164**

Recorded Holder
BRESEA RESOURCES LTD

Township or Area
SQUAW LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<p>Geophysical</p> <p>Electromagnetic _____ days</p> <p>Magnetometer _____ days</p> <p>Radiometric _____ days</p> <p>Induced polarization _____ days</p> <p>Other _____ days</p> <p>Section 77 (19) See "Mining Claims Assessed" column</p> <p>Geological _____ days</p> <p>Geochemical _____ days</p> <p>Man days <input type="checkbox"/> Airborne <input type="checkbox"/></p> <p>Special provision <input type="checkbox"/> Ground <input type="checkbox"/></p> <p><input type="checkbox"/> Credits have been reduced because of partial coverage of claims.</p> <p><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.</p>	<p>\$2,375.00 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:</p> <p style="text-align: right;">PA 440031 676778-79 676782</p> <p>158 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT.</p>

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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

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

TerraMin Research Labs Ltd.
 14 - 2235 30th Ave. N.E.
 Calgary, Alberta
 T2E 7C7

23322

SOLD TO W.G. Timmins Expl. & Dev't.
 201 - 4723 1st Street S.W.
 Calgary, Alberta T2G 4Y8

S
H
I
P
T
O

DATE	SHIPPED VIA	FED LICENCE NO	PROV. LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
Oct. 9/84					84-251	30 days	
BACK ORDERED	QTY ORDERED	DESCRIPTION			QTY SHIPPED	UNIT PRICE	AMOUNT
		Rock sample preparation			102	2.75	280
		Au, Ag analysis (Fire Assay/AA)			102	7.30	744
		As analysis			102	3.25	331
		Sb "			102	3.25	331
		Hg "			102	4.50	459
		Cu, Pb, Zn analysis			102	3.60	367
							\$ 2514
INVOICE		Re: Project "Bres"			DATE SHIPPED	B/O FROM	B/O TO
		BACK ORDERED ITEMS WILL BE SHIPPED AS SOON AS AVAILABLE UNLESS WE ARE OTHERWISE ADVISED N/A ITEMS ARE NOT AVAILABLE AND HAVE NOT BEEN BACK ORDERED					

MOORE SPEEDJET 750156

E & O

INVOICE

Note: Only \$2,375.00 is related to the Bresea Resources Ltd project.

PATRICIA MINING DIV.
RECEIVED
 DEC 19 1984
 A.M. P.M.
 7:8:9:10:11:12:1:2:3:4:5:6

W. G. Timmins Exploration & Development Ltd.

CONSULTING GEOLOGISTS

#201, 4723 - 1 ST. S.W.
CALGARY, ALBERTA T2G 4Y8
(403) 287-3277
TELEX 03822059

November 20, 1984

RECEIVED

NOV 27 1984

Mr. F.W. Matthews
Supervisor, Project Unit
Mining Land Section
Ministry of Natural Resources
Room 6450 Whitney Block
Toronto, Ontario
M7A 1W3

MINING LANDS SECTION

Dear Sir:

Re: Bresca Resources Ltd. Assessment Report

Please accept the enclosed Assessment Report on behalf of Bresea Resources Ltd. The work described in this report was filed for assessment credit by Mr. P.D. Van Angeren on behalf of Bresea Resources Ltd.

I would appreciate it if you would contact me or Mr. David Walsh to confirm your receipt of this report, and to discuss any further requirements you may have.

I ask that the contents of the report be kept confidential.

Sincerely yours,



P.D. Van Angeren, Geologist

W.G. Timmins Exploration
& Development Ltd.

/bk

Contact: P.D. Van Angeren
403-287-3277
or: David Walsh
403-265-5997

1984 12 04

Your File:
Our File: 2.7476

Mining Recorder
Ministry of Natural Resources
P.O. Box 309
Stouffville, Ontario
POV 2T0

Dear Sir:

We received reports and maps on November 27, 1984 for a Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims PA 440031 et al in the Area of Squaw Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

A. Barr:sc

cc: Bresea Resources Limited
Suite 200
700 - 4th Ave S.W.
Calgary, Alberta.
T2P 3J4

cc: W.G. Timmins, Exploration &
& Development Ltd
201 - 4723 - 1st St. S.W.
Calgary, Alberta
T2G 4Y8
Attn: P.D. Van Angeren.

January 9, 1985

File: 2.7476

Bresea Resources Ltd
Suite 200
700 - 4th Avenue SW
Calgary, Alberta
T2P 3J4

Dear Sirs:

RE: Data for Assaying submitted on Mining Claims
PA 440031 et al in the Area of Squaw Lake

In order to complete the above-mentioned submission,
please submit (in duplicate) receipts or cancelled
cheques as proof of payment for the \$2,375.00 expenditure
credits claimed.

When submitting this information, please quote file 2.7476.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

D. Kinvig:mc

cc: W.G. Timmins Exploration & Development Ltd
Suite 201
4723 - 1st S.W.
Calgary, Alberta
T2G 4Y8
Attention: P.D. VanAngeren

cc: Mining Recorder
Sioux Lookout, Ontario
File: #84-164

REGISTERED

February 18, 1985

Your File 2.7475

Brøsea Resources Ltd
Suite 200
700 - 4th Avenue S.W.
Calgary, Alberta
T2P 3J4

Dear Sirs:

RE: Data for Assying submitted on
Mining Claims PA 440031, et al,
in the Area of Squaw Lake

Enclosed is a copy of our letter dated January 9, 1985
requesting additional information for the above-mentioned
survey.

Unless you can provide the required data by February 25, 1985
the mining recorder will be directed to cancel the work
credits recorded on December 19, 1984.

For further information, please contact Mr. Ray Pichette at
(416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

S. Hurst:mc

cc: Mining Recorder
Sioux Lookout, Ontario

cc: W.G. Timmins Exploration & Development Ltd
Suite 201
4723 - 1st S.W.
Calgary, Alberta
T2G 4Y8
Attention: P.D. Van Angeren

Encl.

REGISTERED

February 18, 1985

Your File: 2.7476

Bresea Resources Ltd
Suite 200
700 - 4th Avenue S.W.
Calgary, Alberta
T2P 3J4

Dear Sirs:

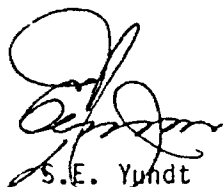
RE: Data for Assying submitted on
Mining Claims PA 440031, et al,
in the Area of Squaw Lake

Enclosed is a copy of our letter dated January 9, 1985
requesting additional information for the above-mentioned
survey.

Unless you can provide the required data by February 25, 1985
the mining recorder will be directed to cancel the work
credits recorded on December 19, 1984.

For further information, please contact Mr. Ray Pichette at
(416)965-4888.

Yours sincerely,



S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

S. Hurst:mc

cc: Mining Recorder
Sioux Lookout, Ontario

cc: W.G. Timmins Exploration & Development Ltd
Suite 201
4723 - 1st S.W.
Calgary, Alberta
T2G 4Y8
Attention: P.D. Van Angeren

Encl.

BRESEA RESOURCES LTD.

200, 700 - 4th Avenue S.W.
Calgary, Alberta, Canada T2P 3J4
Tel: (403) 285-5997
Telex: 03-822784

February 20, 1985

Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Attention: Mr. Ray Pichette

Dear Sir:

Re: File Number 2.7476

Please find enclosed a copy of your registered letter dated February 18, 1985 received today for reference.

We had assumed W.G. Timmins Exploration & Development had supplied the proof of expenditures.

We have been advised that the necessary proof of payment will be mailed no later than February 22, 1985 by special post to your attention.

Yours very truly,



David G. Walsh
President

DGW/mm
Enclosure

RECEIVED
FEB 25 1985
MINING LANDS SECTION

February 22, 1985

Mr. Ray Pichette
Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Sir,

Enclosed please find a receipt pertaining to work credits recorded by Bresea Resources Ltd. as of Dec. 19, 1984. Refer to file 2.7476. For further information, please contact Mr. David Walsh at (403) 265-5997 or myself, at (403) 287-3277.

Yours Sincerely,

Phil Van Angeren

Philip Van Angeren
W.G. Timmins Exploration & Development Ltd.
201 4723 13th S.W.
Calgary, Alberta
T2C 4Y8

PDVA

Encl.

RECEIVED

FEB 25 1985

MINING LANDS SECTION

RECEIVED

FEB 25 1985

MINING LANDS SECTION

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
FEB 25 1985	
S. E. YUNDT	
J. R. MORTON	
J. C. SMITH	
W. L. GOOD	
M. J. HOGAN	
W. P. BROOK	
RETURN TO R. 6643	

MNR CC TOR

ARGUS CGY

DATE: FEBRUARY 22, 1985

TO: MINISTRY OF NATURAL RESOURCES
WHITNEY BLOCK, ROOM 6643, QUEENS

ATTENTION: RAY PICHETTE

RE: FILE: 2.7476
BRESEA RESOURCES LTD.

RE: YOUR REGISTERED LETTER OF FEBRUARY 18, PLS BE ADVISED PROOF
OF PAYMENT IS BEING MAILED PRIORITY POST TODAY.

THANKS.

DAVID G. WALSH
BRESEA RESOURCES LTD.
TELEX NO. 03-822764

MNR CC TOR

1985 03 07

Your File: 84-164
Our File: 2.7476

Mining Recorder
Ministry of Natural Resources
P.O. Box 309
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

RE: Assaying submitted under Section 77(19)
of the Mining Act RSO 1980, on Mining
Claims PA 440031, et. al., in the Squaw
Lake Area

The enclosed statement of assessment work credits
for assaying expenditures has been approved as of
the above date.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

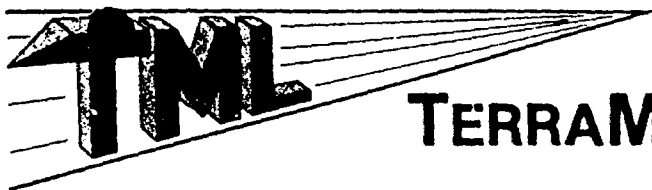
D. Kinvig:mc

cc: Bresea Resources Ltd
Suite 200
700 - 4 Avenue S.W.
Calgary, Alberta
T2G 4Y8

cc: Resident Geologist
Sioux Lookout, Ontario

cc: W.G. Timmins Exploration & Development Ltd
Suite 506
521 - 57 Avenue S.W.
Calgary, Alberta
T2V 0K3

Encl.



TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

RECEIPT

December 28, 1984

Received from W.G. Timmins Exploration & Development Ltd.
Two thousand five hundred and fourteen dollars thirty
\$ 2514.30 re our job number 84-251.

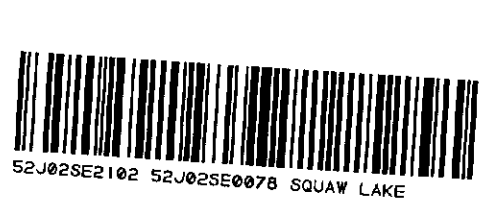
Y.M. Hazeldene

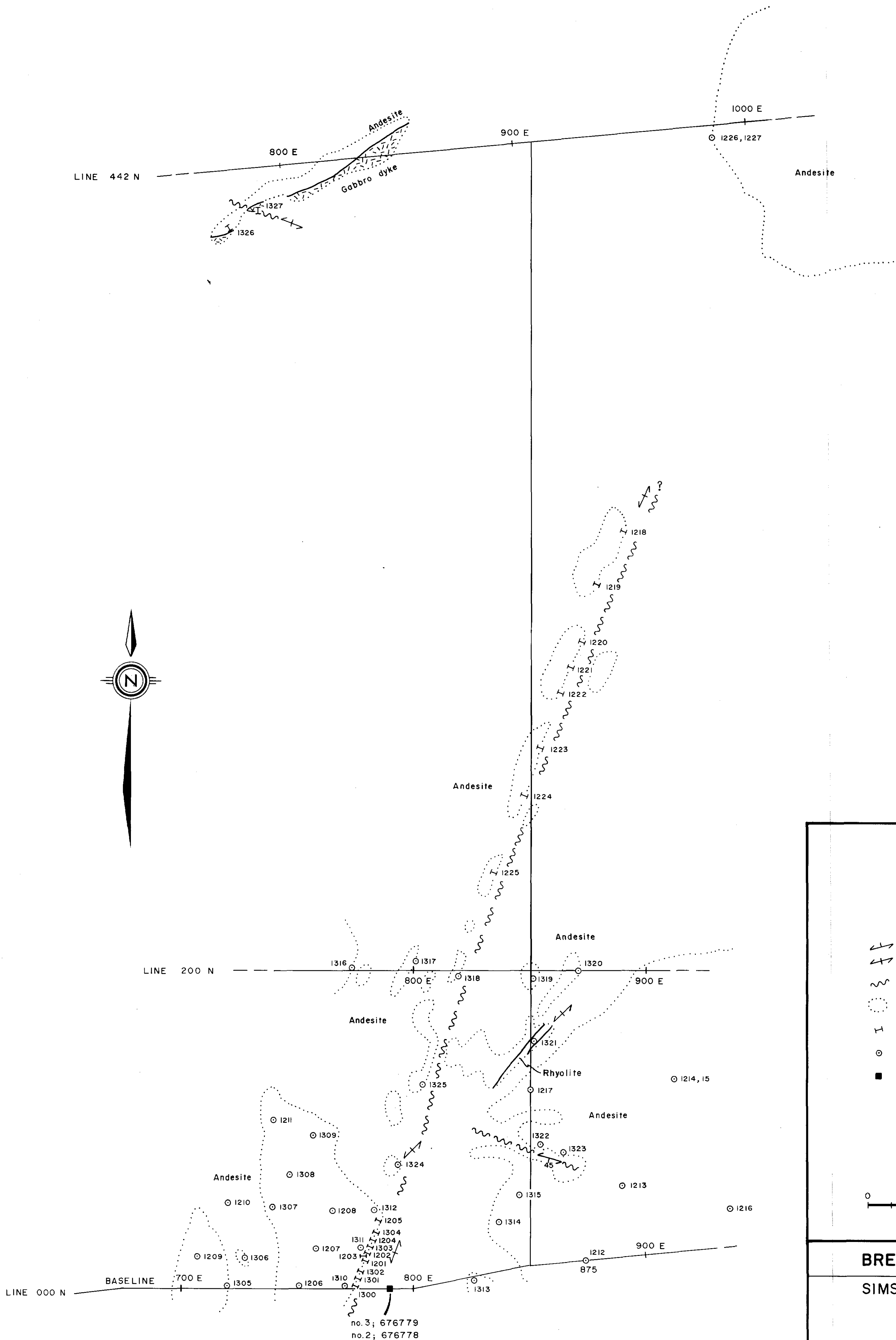
Yvonne M. Hazeldene, Vice-President
TerraMin Research Labs Ltd.

**FOR ADDITIONAL
INFORMATION**

SEE MAPS:

525/02SE-0078 # 1-2

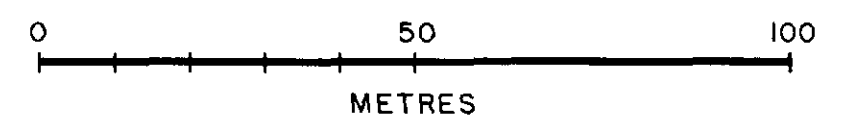




LEGEND

Geology adapted from figure 3

- Foliation inclined, vertical
- Inferred fault shear
- Limit of outcrop
- Rock chip sample
- Rock grab sample
- Claim post



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SIMS NARROWS CLAIM GROUP

STURGEON LAKE, ONTARIO

PATRICIA MINING DIVISION

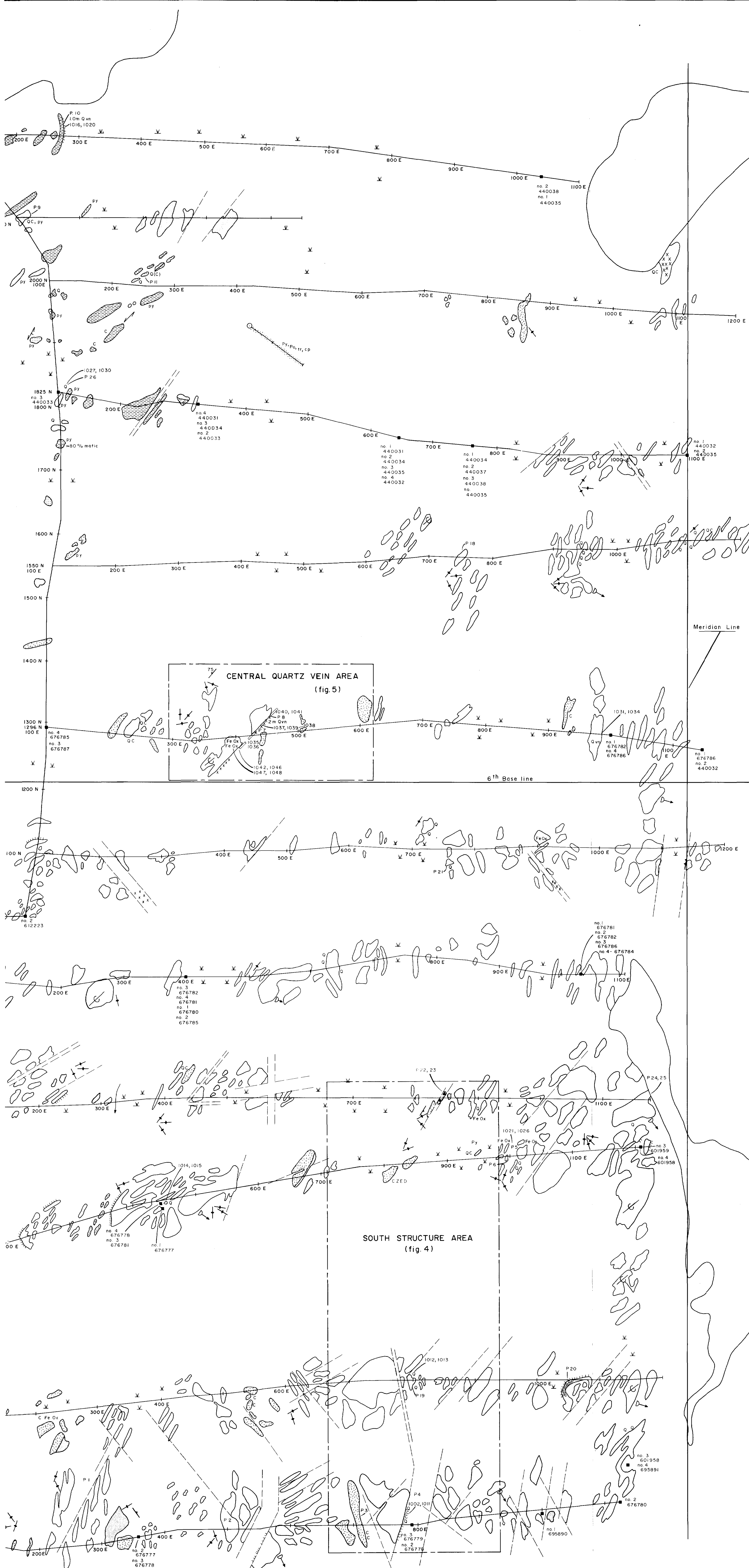
SOUTH STRUCTURE AREA

GEOLOGY & SAMPLE SITES

Scale: 1:1000	Date: Oct. 84	Figure: 4	Drawn by: B.D.S.
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52J/02SE-0078, #2





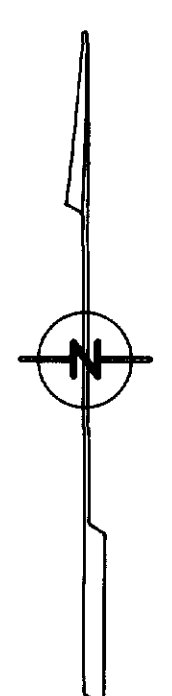
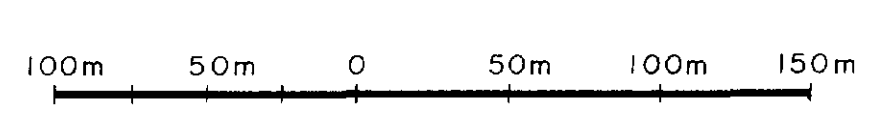
LEGEND

LITHOLOGY

- MAFIC TO INTERMEDIATE METAVOLCANICS**
- Pillowed flows
 - Pillowed flows, (v. small pillows)
 - Fine- to medium grained flows
 - Medium- to coarse grained flows
- FELSIC TO INTERMEDIATE METAVOLCANICS**
- Quartz/Quartz-feldspar porphyry (tuff, volcaniclastic, volcanic sediment)
- METAMORPHOSED MAFIC (INTRUSIVE) ROCKS**
- Amphibolite / Gabbro
- WESTERN GRANITIC COMPLEX**
- Granodiorite / Trondhjemite

SYMBOLS

- Bedding
- Foliation
- Fracture
- Shear
- Zone of shear/fracture
- Geological boundary
- Grid line
- Facing
- Drill hole
- Quartz veining
- Carbonate veining
- Sulphides
- Oxidized sulphides
- Carbonatized
- Cliff
- Photograph locality
- Sample locality
- Claim post, tag numbers
- Stream
- Swamp
- Breccia
- Trench
- Glacial strike



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SIM'S NARROWS CLAIM GROUP			
STURGEON LAKE, ONTARIO			
PATRICIA MINING DIVISION			
GEOLOGICAL MAP			
Geology by: Mark C. Hansen			
scale: 1:2500	date: Oct. 84	fig. no: 3	drawn by: B.D.S.

525/02SE-0078, #1