SUMMARY REPORT

OF

WORK PERFORMED ON THE SHINING TREE PROPERTY

ASQUITH TOWNSHIP

DURING 1988 - 1989 SEASON

OF

ASQUITH RESOURCES INC.

Toronto, Ontario
July, 1989

J. L. Tindale & Associates Inc.

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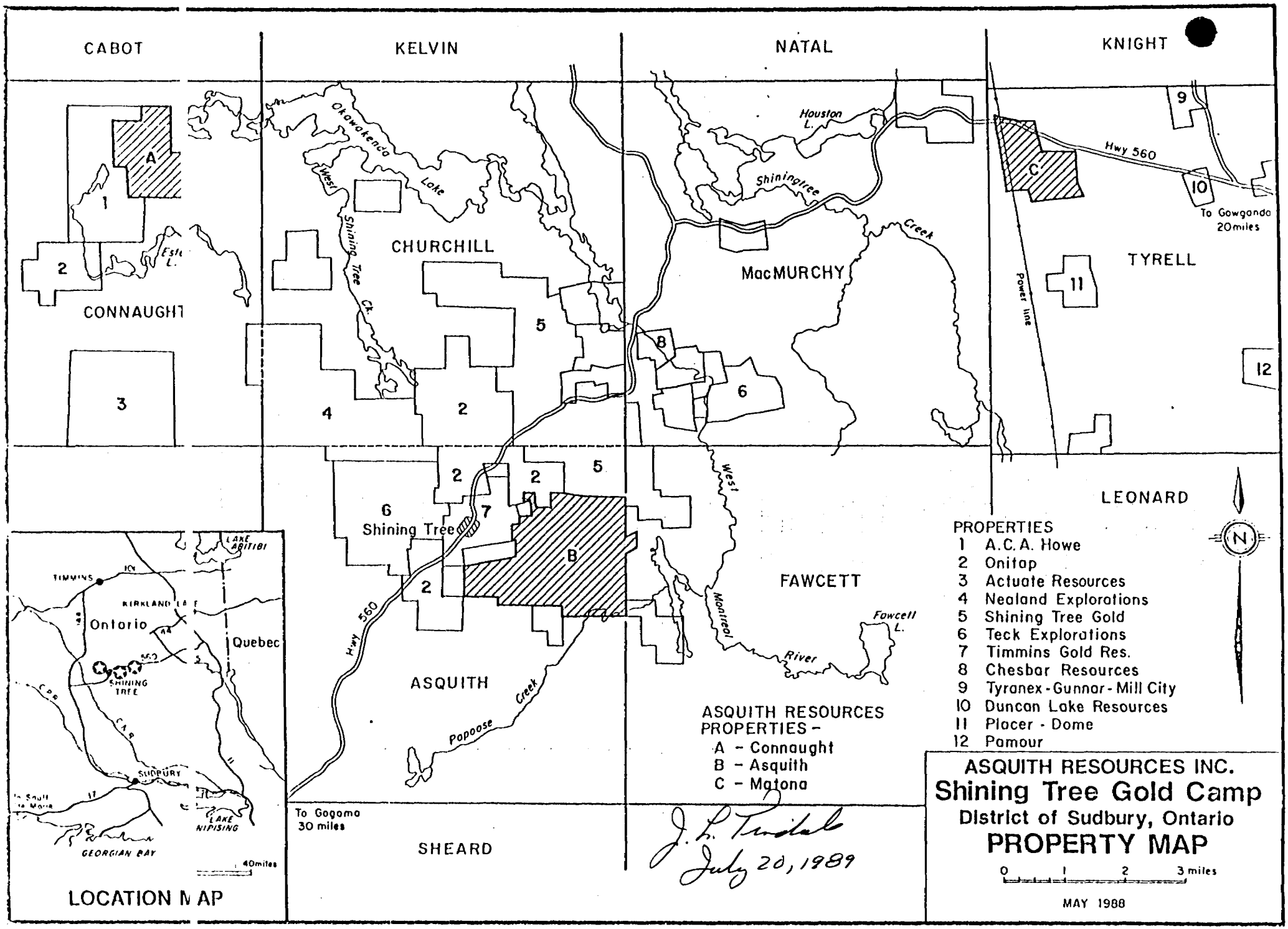
CABOT
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J. L. Tindale
July 20, 1989
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Ontario
Quebec
SHINING TREE
SUDBURY
LAKE NIPISING
GEORGIAN BAY
40miles
LOCATION MAP
ASQUITH RESOURCES INC.
Shining Tree Gold Camp
District of Sudbury, Ontario
PROPERTY MAP
0 1 2 3 miles
MAY 1988

SUMMARY

1. Asquith Resources Inc. has acquired by staking and option a contiguous 72 claim block in Asquith Township near the village of Shining Tree in northeastern Ontario.

2. Previous work upon the property has located a number of gold occurrences, details of which are contained within publications of the Ontario Department of Mines and others prior to 1940.

3. A systematic exploration program encompassing linecutting, geological mapping, geophysical surveying and diamond drilling was commenced over the property during 1988.

4. Geological mapping of the eastern portion of the property significantly increased the Company's understanding of the Clarke, Buckingham and Kubiak gold occurrences.

5. Geophysical surveying, VLF and Magnetometer, established a number of unresolved conductors which await further evaluation.

6. Diamond drilling consisted of four holes (1,392 feet) on the Kubiak section and twenty-one holes (7,560 feet) on the Buckingham sector. Encouraging values were obtained from the Buckingham area with the mineralization localized within strong east-west striking, carbonate-rich, quartz-filled shear zones which were subsequently traced over strike lengths of five hundred feet. Three of these structures have been partially explored. Coarse gold is present within the quartz fillings.

7. The discovery of these strong structural controls at the Buckingham has encouraged the Company to pursue other areas of reported carbonate-rich shearing on the property to determine if other potential deposits may exist within similar geological environments.

8. A program to further evaluate the Buckingham and Clarke occurrences, and to evaluate the western portion of the property is presented for the 1989 field season. This work will include geological mapping; bulldozer stripping, washing and sampling; and a continuation of diamond drill testing of significant gold occurrences.

9. An estimate of costs totalling $250,000 has been prepared to carry out this work.

PREAMBLE

Asquith Resources Inc. with offices at Suite 907, 110 Erskine Ave., Toronto, Ontario M4P 1Y4, was formed in 1986 to hold, acquire and develop various claim holdings in the Shining Tree area of northeastern Ontario. Since that time the Company has assembled a contiguous seventy-two claim group in Asquith Township upon which numerous gold occurrences have been reported on past exploratory ventures, most of which took place prior to 1940 and have been reported upon in Ontario Department of Mines' publications of the 1900's and 1930's.

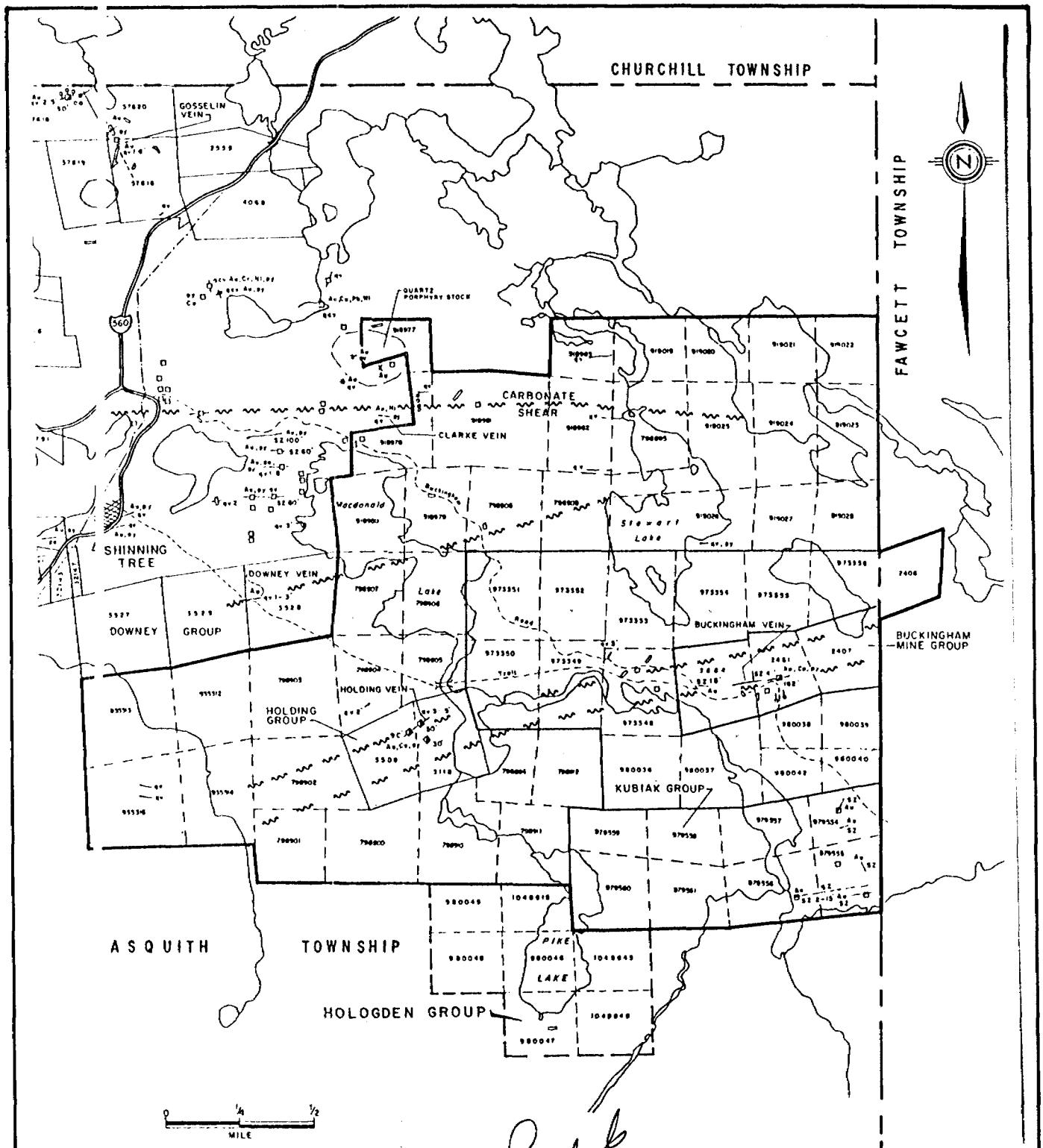
The Shining Tree Gold Camp, as it has been referred to in literature over the years, has been the focus of a number of "mini-rushes" based on findings of some spectacular gold occurrences. These outbursts of activity lead to many fanciful developments, wild speculations and ownership disputes which were quickly followed by a cessation of work and loss of investor confidence in the area.

It is Asquith's contention that while concentrated exploration efforts have been expended on a few small claim holdings, there has never been a systematic study carried out over a large block of geologically favourable ground which contains known gold occurrences in order to develop a rational understanding of the geological and structural controls which have emplaced the gold mineralization in this locality. The Company believes it has made great strides in this direction during the past exploration season. A description of the work carried out follows with conclusions drawn and a program for 1989 recommended with relavent cost estimates.

This report is structured to justify a submission made for an OMEP grant on the 1988 - 1989 work program.

PROPERTY HOLDINGS

Asquith Resources Inc. holds a contiguous 72 claim group in northeastern Asquith Township, Larder Lake Mining Division, District of Sudbury, Ontario. Acquisition has been by staking and option agreements as outlined in the following table. Accept for the optioned leased claims all are recorded in the Company name.



J. L. Pinsent July 20, 1989

LEGEND

- qv —— Quartz Vein
- z —— Shear Zone
- so' Shaft, depth in feet
- Faults & Major Shear Zone
- Pit
- Trench
- D.D. Hole

ASQUITH RESOURCES INC.

PROPERTY LOCATION MAP

ASQUITH TOWNSHIP

Revised Mar., 1989

MAY 1987

FIGURE 2

Table No. 1

Claim Holdings of Asquith Resources Inc. in Asquith Township

Claim Nos.	Total Claims	Recording Date	Assessment Recorded
L918977-8	7	Oct. 2, 1986	120 - 140 days
L935312-1	4	Feb. 2, 1987	120 days
L919019-0, 8	10	Feb. 2, 1987	90 - 160 days
L979554-6	8	Apr. 2, 1987	110 - 120 days
L973348-5	7	May 25, 1987	100 days
L980036-4	5	June 5, 1987	60 - 100 days
L980042	1	June 5, 1987	100 days
L973355-5	2	Aug. 11, 1987	100 days
L798894	1	Aug. 16, 1984	200 days
L798895	1	Sept. 4, 1984	200 days
L798900-1	13	Aug. 16, 1984	200 days
TRS2407,2 61, 3664,2 06	4	Leased Claims (Buckingham)	
TRS3508,3 18	2	Leased Claims (Holding)	
L980046-4	4	Feb. 11, 1988	100 days
L1046154	1	Sept.12, 1988	100 days
L1048645- 6	2	Nov. 8, 1988	60 days
TOTAL CLA MS	72		

Twe ty-one of the above claims are subject to option agreements which are summa ized below.

(a) Yoder Option; claims L798894-95, L798900-12, fifteen claims in all in wh ch Asquith has earned a 100% interest subject to a 2% NSR royalty payable t the vendors from production.

(b) Buckingham Option; leased claims TRS2406-7, 2461, 3664, four leased claims in Asquith and Fawcett Townships, in the Sudbury Mining Division, the Buckingha Option, for $12,000 cash and the payment of further option payments of $40,00 and the expenditure of $400,000 on property exploration and developme t over a three year period as follows to acquire a 100% interest:

(i) on or before December 31, 1987, an option payment of $15,000 (paid) an the expenditure of $80,000 on or before June 30, 1988.

(ii) on or before December 31, 1988, and subsequently extended to February 8, 1989, an option payment of $25,000 (paid) and the expenditure of a further $ 20,000 by the same date (work performed).

(iii) on or before December 31, 1989, a further expenditure of $200,000 nd the granting of a 2½% net smelter royalty on all production from the prope ty. The Company has the right to reduce the royalty to 1½% by the issuance f 100,000 shares. The vendor has the right to cause the Company to

purchase back all or any portion of the 2½% net smelter royalty at the rate of 100,000 shares for each 1% of the royalty.

(c) Holding Option; leased claims TRS3508,3118, two claims in Asquith Township, for a cash payment of $5,000 and further option payments of $40,000 and the expenditure of $450,000 on exploration and development work over a four year period as follows to acquire a 100% interest:

(i) on or before May 28, 1988, a cash payment of $10,000 (paid) and the expenditure of $50,000 which has been extended to May 28, 1989.

(ii) on or before May 28, 1989, a cash payment of $15,000 and the expenditure of $100,000.

(iii) on or before May 28, 1990, a cash payment of $15,000 and the expenditure of $150,000.

(iv) on or before May 28, 1991, the expenditure of $150,000.

The vendor shall also be entitled to a 2½% net smelter royalty on all minerals produced from the property.

LOCATION, ACCESS, TOPOGRAPHY

The subject property is approximately 60 miles south of Timmins and north of Sudbury and is accessible by Highway 560, an east-west partially paved route between Highway 144 and 11 on the west and east respectively.

The eastern portion of the property is reached by the old Buckingham Mine road, while the western portion is accessed by the Holding Mine road. Both routes are suitable for ATV travel. Logging operations over the property are scheduled for the fall of 1989 which will improve access markedly.

The topography is typical of pre-Cambrian terrain with moderate relief in areas of north-trending ridge forming diabase dikes. The lower portions are covered with cedar and spruce swamp. Lakes occupy approximately 20 per cent of the property. Overburden is light, possibly a maximum of one hundred feet in the lower areas.

The village of Shining Tree, population 50, has a general store, gas station and several year round tourist camp operations providing accomodation.

REVIEW OF HISTORICAL DATA ON PROPERTY

Rather than review generally the entire Shining Tree camp the writer has chosen in the following to summarize only those occurrences present on

12' wide green-carbonate zone

.18 oz./ton - 3'
.19 oz./ton - 3'
.20 oz./ton - 3'
.05 oz./ton - 3'

2406

CHIEF LAKE

North Zone

2461

Main Zone

2407

SHAFT 100'

No. 2 Zone

3664

MACDONALD LAKE

12 SHAFTS 100'

Shear

3508

3118

Shear

HOLDING CLAIMS

BUCKINGHAM CLAIMS

SEAGERS LAKE

ASQUITH TP.

FAWCETT TP.

J.L. Trinder
July 20, 1989

BUCKINGHAM-HOLDING GROUPS

ASQUITH
AND FAWCETT TWPS.

SHININGTREE AREA
ONTARIO

Scale: 1 inch = 10 chains

FIGURE 5

from:
D.K. Burke

the Asquith property. These showings are still referred to by their historical names by Asquith when referencing various portions of the claim group.

(a) Clarke Showing

This was one of the original showings in the Shining Tree Camp being first reported on by R.B. Stewart in 1912 for the Ontario Department of Mines (O.D.M.) A wide zone of green carbonate, mineralized with pyrite and injected with a network of quartz stringers and veins revealed gold values on panning the rusty outcroppings stripped along a length of four chains. Along the north of the carbonate zone a ridge of granite porphyry was located. Proceeding westerly from the Clarke similar green carbonate-rich sheared gold bearing showings were reported on the Moore MacDonald, Cryderman and Gibson claims by P.E. Hopkins in 1920 for the O.D.M.

These old reports indicate the carbonate structure has been traced westerly approximately 1.5 miles to the shore of West Shiningtree Lake. It is noteworthy that this strong structural break has not been traced eastward where it passes into low swampy ground. Also, since the early part of this century little or no work has been recorded on this break which is an obvious exploration target and the object of Asquith's efforts along the northern portion of their property holdings.

(b) Buckingham Mine

This occurrence was first reported on by P.E. Hopkins in 1920 and later by J.L. Finley in 1926, and G.B. Langford in 1927 all for the O.D.M. A Prospectus of Buckingham Mines Limited published in the late 1920's and letters from Douglas A. Mutch, manager of the property in 1929 assist in piecing together the early history of the property. Later examination reports by D.K. Burke in 1936 and 1937 for Sylvanite Mines and still later independent reports by Burke in 1958 and 1959 mention later efforts at the property.

Prior to 1920 coarse gold was located on the property in a 1 to 3 foot wide quartz vein upon which a shaft inclined at 60° to the south was sunk to a depth of 85 feet. Considerable trenching and pitting along strike traced the vein for 1,000 feet to the west but only a short distance to the east. During 1929 the shaft was deepened to 167 feet and lateral work totalling approximately 300 feet was carried out at the 100 foot level. Buckingham Mines Ltd. went bankrupt in 1929, probably coinciding with the infamous stock market collapse.

Following a hiatus of some 30 years Central Porcupine Mines Limited explored the vein in the immediate shaft area by means of eight short drill holes along four section lines 37½ feet apart. This work explored the vein to a vertical depth of 50 feet and showed it to vary from 0.7 to 7.8 feet in width, with values ranging from 0.03 to 1.3 ounces of gold per ton. A weighted average of six intersections returned 0.28 ounces of gold per ton ocross 2.7 feet.

Burke in his report of 1959 mentioned a new find on the Buckingham some 1,200 feet west and north of the shaft workings. Stripped by prospector E.B. James the zone contains gold bearing quartz veins within a 12 to 15 foot wide green carbonate zone. Drilling by Central Porcupine in 1959 along two lines 40 feet apart returned values ranging from .01 to .20 ounces per ton with an overall average of 0.07 ounces of gold per ton. No work was carried out on the extension of this zone.

(c) Holding Porperty

P.E. Hopkins in 1920 reported on this discovery made in 1912 when gold values were obtained in a series of parallel quartz veins in a hornblende schist. Subsequently an inclined shaft (70°) was sunk to 50 feet and a drift put out on the 30 foot level from which rich gold samples were obtained. Later work, also pre-1920, consisted of the sinking of a second shaft to 90 feet some 35 feet west of the initial entry and a third put down 100 feet and located south of the above mentioned, presumably to intersect the veins at depth.

D.K. Burke mentions conversations he had in 1936 with men in Shining Tree who actually worked on the Holding Property, which confirmed the rich nature of the occurrence in the underground workings.

Since these early days there is no record of work carried out on the property.

(d) Kubiak Property

P.E. Hopkins in 1920 reported much trenching and pitting on this property south of the Buckingham. Visible gold was noted in bluish-grey quartz veins contained within hornblende, chlorite and carbonate schists. Similarly in 1934 H.C. Liard of the O.D.M. mentioned trenching and pitting activity by the owners in that year.

More recent assessment work records show the property to have been held by Patino and latterly Onitap who carried out cursory exploration and

drilled a single hole under the more southerly showing on the block.

(e) Hologden Mine Property

There is no mention in the literature of work carried out on this property aside from a notation on Carter's O.D.M. map of the Shining Tree District published in 1980 and carrying the notation "circa 1924". Fairly extensive pitting and trenching are evident at the location.

1988 - 1989 PROGRAM RESULTS

Programs of geological mapping, geophysical surveying and diamond drilling were carried out over the eastern portion of the property during the season. This work partially evaluated the Clarke, Buckingham and Kubiak sectors of the property. These programs are described in the following.

(a) Geological Mapping

K.W. Johnson, geologist, mapped the central or Buckingham sector of the block and J.L. Tindale, geologist, mapped the northern (Clarke) and southern (Kubiak) sections. All mapping was at a scale of 1 inch = 200 feet.

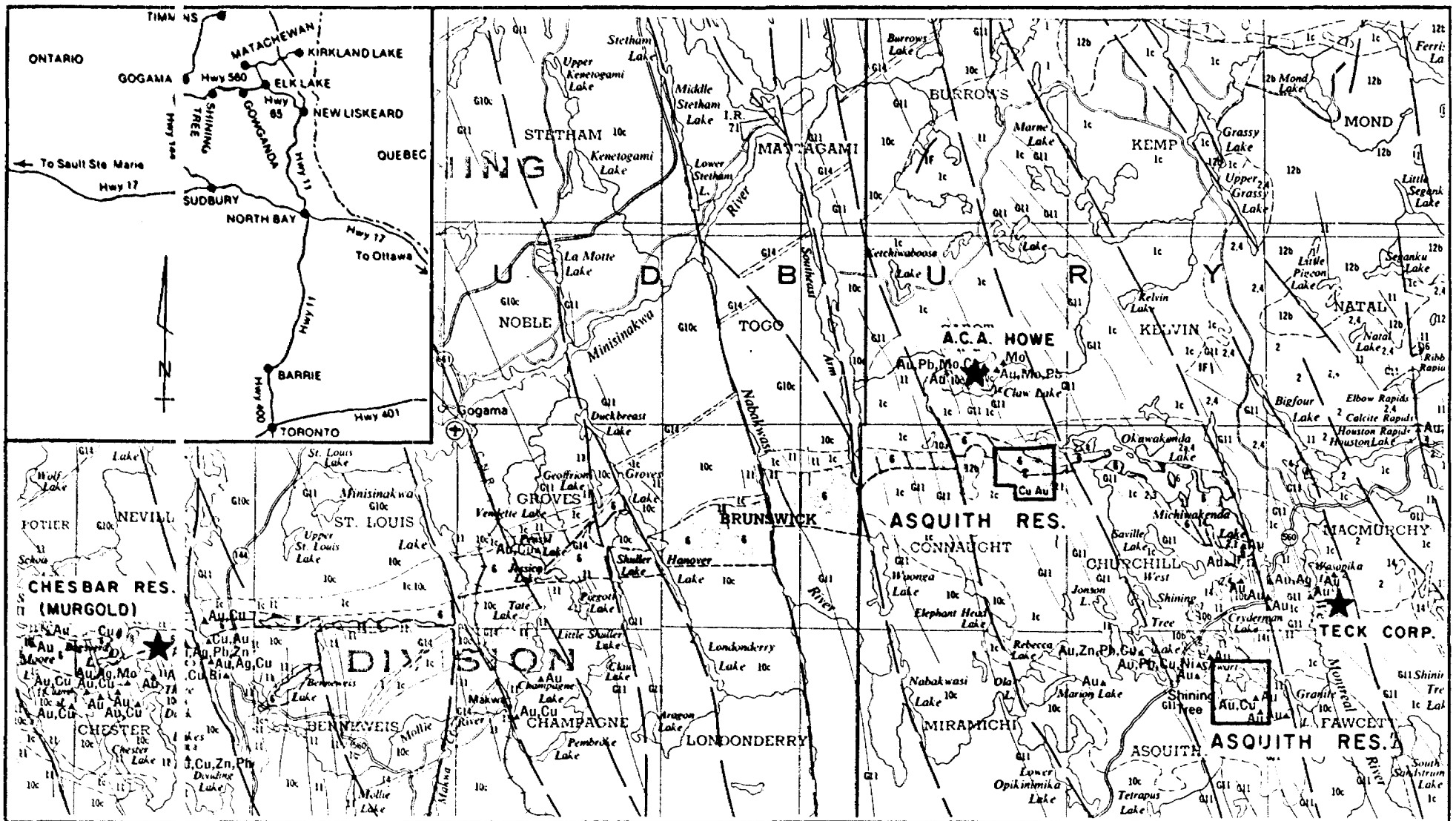
(i) The Clarke Sector

Mapping of this northern section was carried out over lines oriented in a north-south direction spaced at 400 foot intervals along a baseline laid out along the north shore of MacDonald Lake and extending easterly to the western shore of Stewart Lake.

Country rocks were found to be fine to medium grained, dark green, westerly trending andesitic flows, moderately sheared to massive, over much of the area. These have been cut by north to northwesterly trending diabase dikes which form pronounced ridges especially along the eastern shore of MacDonald Lake.

Gabbroic, medium to coarse grained, dark green rocks occur over a portion of northeastern part of the block. These rocks are relatively fresh and unaltered and may represent a late intrusive into the andesitic country rocks.

The most interesting rock type noted and perhaps having economic significance is a quartz-feldspar porphyry unit located at intervals along the northern portion of the block. This unit is rusty weathering, coarse grained, pink to brick red in colour and is often well sheared. Pyrite is disseminated throughout the unit. A 300' x 200' stripped area exposes the



LEGEND

10 Felsic Intrusive Rocks	2 Felsic Volcanics
6 Metasediments	1 Inter./ Mafic Metavolcanics

From O.D.S. Map 2205

J. L. Lindal
July 20, 1989

0 4 8
MILES

ASQUITH RESOURCES INC

LOCATION & REGIONAL GEOLOGY MAP

MARCH, 1987

porphyry n contact with sheared and carbonate-rich flow rocks in the south-east corn r of claim L918977. Carbonate alteration is pervasive in both porphyry nd volcanic rocks, with bright green fuchsite lining the shear planes. umerous overgrown trenches and pits are present within the porphyry and along its contacts. Grab samples returned low gold values from the altered rocks whi h was disappointing as the degree of alteration, and quality of pyrite mineraliz tion makes the zone a tempting target. A second band of porphyry was locat d further to the east which is probably an extension to that described above.

Partial coverage of the Clarke claim was included in the mapping but the origi al gold showing was not located, perhaps being overgrown and missed.

(ii) Buckingham Sector

A central baseline from MacDonald Lake on the west to the Township boundary n the east, the "A" baseline, served as the control for a north-south grid syst m at 400 foot line spacing excepting over the Buckingham Mine sector where 200 foot line spacing was utilized.

Country rocks are east-west trending mafic to intermediate flow rocks, ma sive to pillowed in part, foliated in part and containing quartz veins and stringers occassionally with accompanying pyrite. Tourmaline is common in the veining.

North trending diabase dikes transect the above flow rocks.

Along the steep side hill above Seager Creek several outcrops of interbedd d, steeply dipping sediments and oxide iron formation were noted trending n a northwesterly direction. These are the only sedimentary units noted to ate on the property.

Sampling of pits and trenches immediately adjacent to the Buckingham Shaft ret rned assays from trace to 0.72 ounces of gold per ton. A zone of blue quar z veining on line 8E approximately 800 feet northwest of the Buckingham Shaft also returned erratic gold values. Visible gold was noted with some of the qu rtz. Fine pyrite is noted in the wall rocks but rare in the quartz veins. Ca bonate alteration though noted occassionally adjacent to veins did not appea to be common during the mapping.

(iii) Kubiak Sector

A central east-west baseline east of Seager Lake and extending to the easte n property boundary served as the control for a north-south grid of cut lines at 200 foot intervals. A forest fire in the spring of 1988 destroyed

a portion of this grid.

Rocks underlying this sector are predominently mafic to intermediate flows, foliated in part, striking east-west and are dark green in colour. North trending diabase dikes bisect the country rocks, forming ridges noteable along the eastern boundary.

The claims appear to have been subjected to extensive prospecting given the quantity of trenches and pits scattered over the area mapped. Visible gold was noted in a series of grey to white quartz veins within a sheared 25 foot wide host of volcanics along the shore of Papoose Creek south of Seager Lake. This zone has been traced intermittently with trenches to the east for approximately 1,000 feet and was subsequently drilled by the Company later in the year.

The Kubiak Sector has a great number of bluish quartz veins many over a foot wide. Analysis of these veins failed to return economic values except from the above noted where visible gold was seen. One of the blue quartz occurrences was tested by Onitap in 1984 by a drill hole just north of Papoose Creek, the collar of which was located and plotted.

(b) Geophysical Surveys

During the late winter and early spring of 1988 VLF and Magnetometer surveys were run over the majority of the property holdingsof Asquith Resources Inc. in Asquith Township. A system of baselines and grid lines cut by Geosphere Consultants in 1987 was utilized for control. Extensions of this existing grid were made over lake ice during the winter of 1988 to complete coverage.

Acquisition of the Hologden claims around Pike Lake during the summer of 1988 led to the cutting of an eight mile grid by Loma Exploration of Val d'Or during August. This grid was subsequently covered with VLF and Magnetometer survey.

Maps illustrating the geophysical coverage are enclosed with report, many having been filed for assessment credits. A broad discussion of the results follows.

Magnetometer Survey Data

Readings were generated utilizing a Gem Systems Model GSM-8 proton magnetometer with corrections for dirunal drift made by averaging results obtained over a two hour maximum interval based on the looping procedure utilized.

The surveys served to outline the trace of the numerous diabase dikes which trend across the property in a north to northwesterly direction. Breaks in these trends may be interpreted as fault traces. Variations in strike may be caused by deflections of the late stage dikes against older more resistant country rock. Aside from the diabase dikes the property is magnetically inactive and will require compilation of geological mapping and electromagnetic surveying to determine if subtle changes in magnetic intensity are meaningful.

Electromagnetic Surveys

Surveys were run utilizing a Crome Radem unit tuned to Cutler, Maine, with dip angle and field strength recorded.

A significant number of anomolous responses were recorded. In the main these are characterized as sinuous east-west or north-south trending features occurring along the axis of lakes or in low swampy ground and as such stand a good chance of being due to overburden-bedrock contact effects. Aside from these suspect occurrences there are a number of responses which have been selected for further examination due to their geological significance or geophysical signature These are discussed individually in the following.

(i) Clarke Showing Area

A zone of high field strengths generally associated with an east-west cross over series occurs across the northern portion of claims L918978 and L918981. Geological mapping of this area indicates the anomolous response occurs at or near the south contact of a quartz-feldspar porphyry intrusive which has been sheared and altered and is reported to carry gold mineralization. Stripping and/or diamond drilling is recommended to test this zone which may be a mineralized carbonate-rich shear.

(ii) Westerly Claim Block

A sinuous east-west trending conductor extends across the four claim block (L9 5313 et al) and exhibits moderate to high field strength responses. The zone mirrors the trend of a small creek bed in the area of B.L.36W to B.L.26W and may indicate a topographic zone of weakness due to shearing and/or faulting. The strongest electromagnetic responses were derived from L36W+3S through to L28W+3S and weakened in response further to the east where magnetic data suggests the presence of a northwest trending diabase dike. No magnetic responses are indicated coincident with the conductive zone. Geological mapping planned for the summer of 1989 may further evaluate the validity of this feature.

(iii) Buckingham Mine Sector

A series of east-west striking conductors with corresponding high field strengths occur to the south of the mine area from 14E to 24E at approximately 12S. This string of anomolies lies just south of the area drilled during the 1988-1989 program and was not tested accordingly. The conductors appear to cross known north striking diabase dikes with little interruption and are located in low swampy ground.

A second zone of high field strengths with strong conductors appears to parallel Seager Creek west of its entry to Seager Lake. Shearing is evident in a sedimentary sequence along the north side of the creek with isolated outcrops showing oxide facies iron formations which may account for this aonomolous effect.

Both of these zones are deserving of further examination either by stripping or drill testing.

(iv) Holding Mine Sector

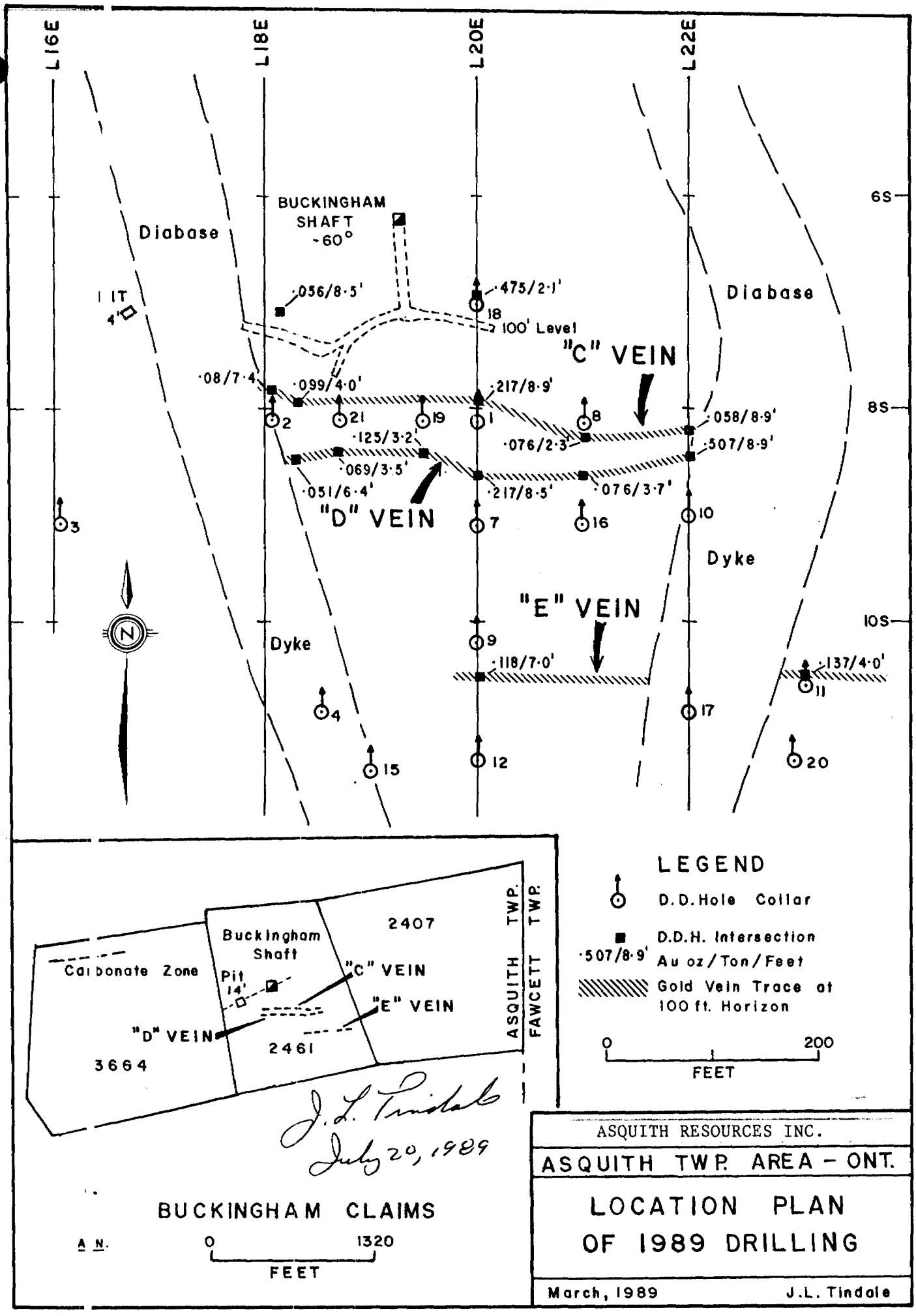
A southwest striking series of weak to moderate conductors with similar intensity field strengths trend across the area west of MacDonald Lake commencing along the southern boundary of the Holding claims. Surface examination of this long conductor is required and will be carried out in conjunction with geological mapping planned for the area during 1989. It is noteworth that this long conductor appears to line up with a similar feature east of MacDonald Lake but considered to be mirroring Seager Creek overburden effects. This may in fact be a major structural break.

(c) Diamond Drilling

During January and February 1989 diamond drilling was initiated on the property. Initial drilling was carried out on the Kubiak area followed by a more prolonged effort on the Buckingham property. These drilling programs are discussed individually in the following.

(i) Kubiak Program

Four holes totalling 1,392 feet were drilled on claims L979555-56 to test a strong quartz filled shear zone striking approximately east-west from a pitted area along Papoose Creek. Results were disappointing as the intensity of shearing and quartz veining appeared to be much less than that encountered in surface outcrops. Accordingly assay values were low, the best being 0.18 ounces of gold per ton across a width of 1.0 feet in hole No. 4. Hole No. drilled immediately below the pit on line 4W returned 0.069 ounces


L16E
L18E
L20E
L22E
6S
8S
10S
BUCKINGHAM SHAFT -60°
Diabase
Diabase
Diabase
Dyke
Dyke
100' Level
"C" VEIN
"D" VEIN
"E" VEIN
1T 4'
·056/8·5'
·475/2·1'
·08/7·4'
·099/4·0'
·217/8·9'
·058/8·9'
·125/3·2'
·076/2·3'
·507/8·9'
·069/3·5'
·051/6·4'
·217/8·5'
·076/3·7'
·118/7·0'
·137/4·0'
1
2
3
4
7
8
9
10
11
12
15
16
17
18
19
20
21
N
Carbonate Zone
Buckingham Shaft
Pit 14'
"C" VEIN
"E" VEIN
"D" VEIN
2407
2461
3664
ASQUITH TWP.
FAWCETT TWP.
BUCKINGHAM CLAIMS
A N.
0
1320
FEET
LEGEND
D.D. Hole Collar
D.D.H. Intersection
·507/8·9' Au oz/Ton/Feet
Gold Vein Trace at 100 ft. Horizon
0
200
FEET
J.L. Tindale
July 20, 1989
ASQUITH RESOURCES INC.
ASQUITH TWP. AREA - ONT.
LOCATION PLAN OF 1989 DRILLING
March, 1989
J.L. Tindale

of gold per ton across 4.0 feet. No further testing is recommended for this particular zone on the Kubiak property.

(ii) Buckingham Program

During January and February 1989, 21 holes totalling 7,560 feet were drilled on the Buckingham property.

As illustrated in the accompanying map, the drilling outlined the presence of at least three parallel gold bearing shear zones enclosed in carbonate rich intermediate volcanic host rocks. These zones trend east-west across a drilled distance of approximately 500 feet before being interrupted by north-trending diabase dikes. Preliminary drilling to the east indicates the zone may continue in this direction. The western extension have not been looked for as yet.

Gold values occur with a very distinctive pale green carbonate rock which have been intensely sheared and injected with grey, blue and black quartz veining. The shear zones may be up to 20 feet wide but the central core normally contains the higher gold values. Disseminated pyrite is pervasive throughout the shears, increasing in quantity with intensity of shearing. Gold has been noted with the quartz veining as minute specks along fracture planes. Tourmaline is common in quartz.

The new zones have been named "C" through "E" from north to south and dip to the south at approximately 65°. They are easily traceable due to their intensely sheared character, green carbonate alteration, and the presence of bluish grey quartz either as major veins or as small infillings along the shear planes. Visible gold has been noted in both types of quartz. Listed in the following tables are intersections on the "C", "D", and "E" zones.

TABLE NO. 1

Intersection on "C" Zone Structure

Hole No.	Footage	Width	Assay (Ounces/T.)
B89-1	87.0 - 95.9	8.9	0.217
B89-2	114.6 - 122.0	7.4	0.080
B89-2A	113.4 - 121.0	7.6	0.063
B89-4	258.0 - 262.0	4.0	0.099
B89-8	47.0 - 51.3	4.3	0.063
B89-10	119.5 - 123.7	4.2	0.058

TABLE NO. 2

Intersection on "D" Zone Structure

Hole No.	Footage	Width	Assay (Ounces/T.)
B89-4	228.5 - 234.9	6.4	0.051
B89-7	88.5 - 97.0	8.5	0.217
B89-10	85.6 - 94.5	8.9	0.507
B89-12	225.6 - 256.1	0.5	0.544
B89-16	92.0 - 95.7	3.7	0.076
B89-19	53.8 - 57.0	3.2	0.125
B89-21	25.5 - 29.0	3.5	0.069

TABLE NO. 3

Intersection on "E" Zone Structure

Hole No.	Footage	Width	Assay (Ounces/T.)
B89-11	43.0 - 44.6	4.0	0.137
B89-15	193.5 - 199.5	6.0	0.070
B89-9	32.3 - 39.3	7.0	0.118
B89-20	114.5 - 118.3	3.8	0.088

A fourth zone is known to exist on the property, this being the Buckingham zone which lies to the north of the above described. This zone, characterized by a grey white quartz vein, does not appear to be associated with a strong carbonate shear but does carry promising gold values as illustrated in the following table No. 4.

TABLE NO. 4

Intersection on Buckingham Vein

Hole No.	Footage	Width	Assay (Ounces/T.)
B89-1	130.0 - 138.4	8.4	0.275
B89-2	168.5 - 174.5	6.0	0.042
B89-2A	197.0 - 205.5	8.5	0.046
B89-9	283.0 - 285.4	2.4	0.437
B89-18	64.5 - 66.6	2.1	0.475

The Buckingham vein was partially developed during the 1920's by an inclined shaft to the approximate 100 foot level and by 300 feet of lateral work. High grade gold has been reported from the surface and underground workings on this occurrence.

Two holes, No.'s 5 and 6, were drilled to test a zone of bluish quartz veins located on line 8E at approximately 5S. The zone appears to weaken at depth and along strike and though shearing is present in the host rocks, alteration is weak and assay results were below economic interest.

The Buckingham Program has returned some very encouraging results which are deserving of a followup program to attempt to extend and expand upon these results. It is also important to note that carbonate alteration associated with these findings has been reported in other sections of the Asquith property and a thorough testing of these occurrences appears warrented in the belief that similar zones of mineralization may have been emplaced under similar geological and structural conditions.

Visible or coarse gold seems to be a critical ingredient of the Buckinghan findings. The frequency of these occurrences and thus the overall quantity of this coarse gold must be evaluated to assist in determining the economics of these promising deposits.

CONCLUSIONS

The Company has reached the conclusion, based on current results, that geological and structural conditions exist on its Asquith Township property of sufficient magnitude to host a mineable deposit of gold mineralization. This conclusion has been reached as a result of encouraging drill results on its Buckingham property, and the resultant realization that shear controlled quartz veining accompanied by intense carbonate-rich alteration is the locus of significant gold mineralization and that these zones have lateral and vertical dimensions and a degree of continuity which may enable the development of tonnages sufficient to support a mining operation. Notwithstanding the above, coarse free gold is an important factor in these findings, and must be addressed in any further evaluation of the findings at the Buckingham and probably at any other development upon the property within the above noted geological scenerio.

Carbonate-rich shearing and reported gold occurrences have been reported at the Clarke and at other locations upon the Asquith property. These are deserving of a thorough testing similar to that carried out at the Buckingham to evaluate the depositional characteristic present and to determine if they are comparative geologically, structurally and mineralogically.

The Company recognizes it is in the early stages of development on its comparatively large property holdings. However, the realization that strong structural features and accompanying alteration exist which exhibit a controlling factor to the deposition of gold mineralization, and that these controls have dimensions which may contain sizeable tonnages is a meaningful breakthrough to exploration and development potential of the property. Rather than chasing single

vein deposits with erratic pockets of high-grade gold, the Company now has a model on which to base its future endeavours in the area which connotates much larger and more consistent features and thereby increases the chances of successfully developing a mineable deposit.

RECOMMENDATIONS FOR 1989 PROGRAM

(1) A program of bulldozer stripping, washing and sampling is required to evaluate the surface expression of the "C", "D" and "E" vein structures at the Buckingham Mine area. As an assist to the sampling it may be necessary to "freshen up" the outcrop trace of these zones by pitting and trenching across the width of the structures utilizing a plugger and blasting powder. This program will serve three valuable purposes in evaluating the known occurrences. It will give an accurate reading on the attitude of the structures, their variability both across and along strike and should assist to some extent in determining the quantity of free gold present within the quartz filled structures. Careful examination and detailed mapping of all channel samples and vein occurrences uncovered is a prerequesite to the success of this program.

(2) Exploratory drilling to the east and west of the known intersections in the Buckingham area is recommended to trace the carbonate shear zones and expand the potential of these gold bearing zones. North striking diabase dikes are known to disrupt the strike of these deposits and care must be taken not to waste valuable footage by drilling into these late intrusives. To this end a series of east-west magnetometer traverses to better outline the diabase contacts are warrented.

(3) A program of stripping is recommended to examine the showing mentioned by Burke "1,200 feet northwest" of the Buckingham shaft. This reported gold bearing carbonate-rich shear structure is believed to exist on Line 0 at the baseline where caved trenches were noted in geological mapping. Evaluation of the stripping program may justify diamond drilling for further information in a vertical and lateral sense.

(4) Detailed mapping of the claim area west of MacDonald Lake is recommended to evaluate this sizeable untested area. The area contains the old Holding Mine property which is reported to have yielded spectacular gold occurrences prior to 1920. It may be necessary to drill a few holes at the Holding location once a geological map of this old mine has been completed. A brief reconnaissance of the property by the writer in 1988 left the impression that the existing rock

dumps from the old workings may have covered all surface expressions of the veins previously worked on and it appeared that any extension to these veins would pass into heavy overburden cover.

Within the western claim block are a number of other reported gold showings eg. Speed, Hologden) and the anomolies noted in the geophysical section of this report, all of which will be further evaluated as part of the recommended geological survey. The cut grid established in the fall of 1987 and added to during 1988 will be utilized to control this work.

(5) Further examination of the Clarke showing area is warrented particularly in the vicinity of the feldspar porphyry intrusion with its accompanying high degree of shearing, sulphide mineralization and pervasive carbonate-rich alteration associated with the contact zone of this intrusion. Detailed geological mapping at 1" = 50', in the northwest sector of the property, to more accurately trace the contact zone is recommended. Bulldozer stripping and washing is warrented if an area of light overburden can be found to coincide with old trenching and pitting with encouraging gold values. Geochemical samples at 50 foot intervals should be taken over an area bounded by 4N on the south and extending from L20W to 20E. Much of this area is covered with either swamp or poplar uplands with limited outcrop exposure. If indeed the feldspar porphyry which extends across this area is a sources of the gold mineralization the geochemical survey may highlight areas of anomolous gold concentration in these overburden covered areas. Lastly the anomoly paralleling the feldspar porphyry as discussed in our geophysical section must be examined on the ground to determine its cause and value. Depending upon favourable results from the above work in the Clarke section diamond drilling may be required.

COST ESTIMATE 1989 PROGRAM

1.	Bulldozer stripping, washing, drilling, blasting @ Buckingham and Clarke Sections		$ 32,000
2.	Geological mapping, prospecting, sampling @ West Claim Block, Clarke Showing, Buckingham		12,000
3.	Geochemical survey @ Clarke Area	300 samples @ $20	6,000
4.	Transportation and accomodation		10,000
5.	Project supervision		10,000
6.	Diamond drilling		
	@ Buckingham	5,000' @ $20	100,000
	@ Clarke	2,500' @ $20	50,000
	@ Holling	1,500' @ $20	30,000
	TOTAL PROGRAM COST ESTIMATE		$250,000

Respectfully submitted,
J. L. TINDALE & ASSOCIATES INC.

J. L. Tindale July 20, 1989

J. L. Tindale, P. Eng.
Geologist

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DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Asquith Township Property
HOLE NO. B 80-1 LENGTH 350 Feet.
LOCATION Asquith Twp. Property
LATITUDE L 20 E DEPARTURE 8+00 S
ELEVATION -8 m
STARTED January 20, 1980 FINISHED January 21, 1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	43°				
350'	40°				

HOLE NO. B80-1 SHEET NO. 1
REMARKS Casing Pulled.
LOGGED BY J. L. Tindale

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS Au OZ/TON	ASSAYS Au OZ/TON
0.0	11.0	Casing in Overburden.									
11.0	87.0	Andesite. - medium green, fine grained, massive to slightly foliated at 50° to C/A; <2% quartz-carbonate stringers at 50° to 30° to C/A; occasional shear with iron-carbonate evident; flow structures evident.									
		40.5 to 41.5: shear at 85° to C/A with 40% thin quartz-carbonate stringers and trace iron-carbonate at selvages; 50% chlorite on foliation; 2% very fine pyrite.	456	1%	39.0	40.5	1.5		735	.021	
			457	1%	40.5	41.5	1.0		1427	.042	
			458	1%	41.5	44.9	3.4		84	.002	
			459	1%	44.9	49.4	~~4.5~~		18	.001	
		72.1 to 72.4: irregular quartz-carbonate at 50° to C/A; 3% fine pyrite in selvages.									

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Property
HOLE NO. B82-1 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS Au oz. ton	ASSAYS Au oz ton	
87.0	102.9	Sheared Andesite with Quartz Carbonate Veining										
		- fine grained andesite as previous with	460	<1	79.0	81.7	2.7		20	.001		
		moderately sheared sections exhibiting quartz-carbonate	461	<1	81.7	84.0	2.3		12	<.001		
		veining and stringers.	462	<1	84.0	87.0	3.0		25	.001		
		87.0 to 89.4: 10% quartz-carbonate	3330		87.0	89.0	2.0		69.98	0.204		.217/8.9'
		veins to ½ inch exhibiting local vertical	3331		89.0	90.0	1.0		8301	0.242	1.6"	
		folding at 85° to C/A; 5% biotite at vein	3332		90.0	92.9	2.9		6566	0.191		
		contacts; 1% fine pyrite in sheared wall	3333		92.9	96.3	0.4		215			
		stringers within the sheared andesite.	3334		96.3	99.4	3.1		86			
		89.4 to 93.0: <5% quartz-carbonate	3335		99.4	102.0	2.6		20			
		in veins to 0.75 inch at 0° to 55° to										
		C/A.	NOTE: VG found in ½" qtz-carb vein @ 92.0'									
		93.0 to 95.9: sheared andesite cut										
		by thin fractures filled with carbonate										
		at <30° to C/A; 3% coarse euhedral										
		pyrite noted.										
*		95.9 to 96.3: Grey Felsite Dyke										
		- very fine grained, two										
		separate intrusives: one at 0° to										
		C/A with 1cm-chilled selvages;										

RIDGES – TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Property
HOLE NO. 889-1 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ~~ppb~~	ASSAYS Au OZ. TON	ASSAYS Au OZ TON
		- the second felsite dyke at 80° to C/A and cross-cuts first dyke at 0° to C/A.									
		99.4 to 102.0: 80% quartz-carbonate with strong staining at shear selvages displaying ribbony pattern at 45° to C/A and 2% fine pyrite within selvage material. A pink-carbonate vein from 101.5 to 102.0 lies at 5° to C/A and appears associated to upper altered and sheared zone.									
102.0	132.0	Fine-Grained Andesite - as veinlets; generally < 1% quartz-carbonate stringer veins at 35° to C/A.									
		115.1 to 116.1: two quartz-tourmaline veins at 35° to C/A exhibit widths to 0.5 feet; trace pyrite & Tourmaline	3336		115.0	116.5	1.5		32		

RIDGES – TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Propert
HOLE NO. B89-1 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS Au ppb	ASSAYS Ag OZ. TON	ASSAYS OZ TON	
		126.0 to 126.7 : quartz-cb. shear at 50° to C/A ; trace epidote and 15% chlorite along vein salvages.										
		* 127.5 to 127.6 : grey felsite dyke at 45° to C/A.	463		125.5	128.4	2.9		17	<.001		
			464	1	128.4	130.0	1.6		10	<.001		
		130.9 to 132.0 : 2 inch qtz-cb. veins at 45° to C/A in mottled, med-grained carbonatized and sheared volcanic. " VG splash in 1/8" blue qtz vein.	3337		130.0	132.0	2.0		3441	0.100		.275/8.4
			465	<1	132.0	135.4	3.4		1332	.039		
			466	<1	135.4	138.4	3.0		22499	.655		
132.0	152.0	Silicified Andesite	643	Tr	138.4	142.3	3.9		20	.001		
		- fine grained, light grey to green	644	Tr	142.3	144.0	1.7		39	.001		
		with slight bleached or altered appearance ; cut by thin 2% quartz carbonate stringers, 2% very fine disseminated pyrite throughout section and closely associated with veins.	3338		144.0	148.0	4.0		200			

RIDGES — TORONTO — 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY: Buckingham Property
HOLE NO. B89-1 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS OZ. TON	ASSAYS OZ TON
152.0	165.0	Andesite									
		- mildly silicified grading back into fine-grained andesite as previous with fine interstitial carborate throughout.									
		158.1 to 158.7 quartz carborate alteration with 0.05 inch vein at 80° to c/a with 10% Tourmaline in stringer in vein.	4167	1	157.8	160.8	3.0		879	.026	
			3339		165.0	166.0	1.0		297		
165.0	170.5	Shear-Banded Andesite with Quartz-Carborate	3340		166.0	170.5	4.5		1632		
		- thinly sheared banded andesite; banded at	3341		170.5	172.0	1.5		157		
		45° to c/a with 15% quartz-carborate stringers and chalky veins cut perpendicular by carborate fracture fillings; hosted within thin portions of chloritic schist with banded iron carbonate at 5%. trace disseminated pyrite associated with veining.									
170.5	179.0	Andesite									
		- medium green, fine grained and massive									

RIDGES – TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY: Buckingham Property
HOLE NO. B89-1 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS Au oz./ton	ASSAYS Au oz/ton
179.0	181.7	Moderately Silicified Shear Zone	3342		177.0	179.0	2.0		35		
		-brecciated shear zone with some	3343		179.0	182.0	3.0		926		
		recrystallized quartz-carbonate as anastomosing veins within									
		fine grained chloritic schist; foliation also varies									
		at 65° to C/A; some veins up to 20% fine grained									
		disseminated epidote.									
		180.2 to 181.1: breccia zone									
		≈ 20% quartz in fine grained matrix									
		hosted in assemblage of chlorite,									
		fine recrystallized quartz (crosscut and									
		30% irregular stringy/anastomosing									
		white quartz-carbonate veins; 1%									
		earthy hematite; <1% fine pyrite.									
181.7	188.2	Andesite	3344		187.0	188.0	1.0		39		
		-as previous	3345		188.0	190.0	2.0		26		
			3346		190.0	192.0	2.0		16		
188.2	189.6	Fault-Carbonate Altered Shear Zone									
		-strongly sheared zone with									
		shearing at 25° to C/A; 25% brecciated									

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY: Buckingham Property
HOLE NO. BB9-1 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	ASSAYS oz. ton	ASSAYS oz ton
		carbonate in fractured Siliceous intervals by sections/beds of quartz and carbonate (white) upto 0.5 inch which host 1% fine crystal-grains of Tourmaline and 2% pyrite in disseminated masses.									
189.6	197.0	Silicified Andesite - grey-green in colour, very fine grained and moderately sheared with abundant quartz veins.	468	<1	195.8	198.0	2.2		325	.009	
			3317		198.0	200.0	2.0		42		
			3318		200.0	203.0	3.0		71		
197.0	205.0	Silicified Andesite with Shear Zones - andesite as previously with veins of quartz-carbonate stockworks at 80° to C/A with <5% fine pyrite. 197.0 to 199.0: 5% quartz-carbonate stringers in sheared rock. 5% iron-carbonate. 203.2 to 204.5: 20% quartz-carbonate in sheared rock.	3319		203.0	205.0	2.0		33		

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY: Buckingham Property.
HOLE NO. BB9-1 SHEET NO. 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS oz. TON	ASSAYS Au oz TON
205.0	233.8	Silicified Andesite									
		-as previous; 5% quartz carbonate									
		stringers.									
233.8	350.0	Carbonatized Talc-Peridotite Intrusive									
		-sharp upper intrusive contact at 30°									
		to C/A; 15% white calcite marks and leaders dark									
		melics at 80 to 90° to C/A; talcose on dry cut									
		edges; very soft and cut easily with knife, mottled									
		white black and appears almost porphyritic in texture.									
		242.0 to 247.0: sheared peridotite	3350		242.0	247.0	5.0		3		
		with 10% quartz carbonate stringers at									
		85° to C/A; 3% fine disseminated									
		iron carbonate throughout; trace									
		pyrite.									
	350.0	End of Hole.									

RIDGES – ONTO – 366-1168

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.
907 – 110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-2 LENGTH 297 Feet.
LOCATION Asquith Twp., Buckingham Mine Zone, Grid 'B'.
LATITUDE L18E DEPARTURE 8+75'S
ELEVATION -120' AZIMUTH 0.0° DIP -45°
STARTED January 24 FINISHED January 25, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	-½°				
297'	-45°				

HOLE NO. B89-2 SHEET NO. 1
REMARKS Casing Pulled.
LOGGED BY N. W. Johnson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0.0	9.0	Casing in Overburden.									
9.0	79.5	Diabase. - fine-grained variety; black, slightly magnetic; equigranular; Holocrystalline Type. Diabase core blank from surface to 15.0 feet. 79.5 to 79.6: Numerous fractures with red-hematite overtint. Fracture planes 1% pyrite concentrated									
79.5	91.2	Andesite. - maroon, fine-grained dark green with < 1% quartz-calcite stringers; blocky from upper contact with diabase.									

LANGRIDGE TORONTO – 366-1168

FORM 1

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Property
HOLE NO. B 89-2 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS Au oz. ton	ASSAYS Au oz ton
91.2.	113.0	Andesite with Quartz-Carbonate shear zones									
		- andesite is previous with sections up to 3 feet with moderate shearing and quartz-carbonate veining.									
		91.2 to 91.0: moderate shearing and quartz carbonate stringers at random directions. 2% disseminated pyrite.	3351		91.0	94.5	3.5		863	0.025	
			477		94.5	97.9	3.4		154	.004	
			478		97.9	102.0	4.1		243	.007	
		102.0 to 103.5: shear zone with chloritic schist at <10° to C/A; quartz-carbonate veins to 2 inch widths with 2% coarse crystals of pyrite in chloritic matrix. Trace Buff Ob All*	3352		102.0	103.5	1.5		3744	0.109	
			3353		103.5	104.0	3.5		579		
			479		107.0	112.0	5.0		1274	.037	
			3354		112.0	113.0	1.0		47		
113.0	116.4	Buff-Carbonate Shear Zone	3355		113.0	114.6	1.6		312		
		- quartz carbonate veins to 4 inch width at <15° to C/A hosted within sheared and altered andesite; up to 15% brown iron carbonate alteration in fracture beds at <10°	3356	Cpz tr V.G.	114.6	116.0	1.4		3222	0.094	
			3357		116.0	118.5	2.5		123		
			3358		118.5	122.0	3.5		4429	0.129	
			3359		122.0	123.5	1.5		946	0.027	

RIOGES TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Property
HOLE NO. BB9-2 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	OZ. TON	OZ TON
		to C/A; iron-carbonate bands exhibit open folding	480	<1	123.5'	127.0	3.5'		21	.001	
		at 85° to C/A, bands separated with thin	481	<1	127.0	128.6	1.6		262	.008	
		quartz-carbonate (white) seams; 2% fine pyrite	482	<1	128.6	133.5'	4.9		78	.002	
		disseminated along iron-carbonate bands.	483	<1	133.5'	137	3.5'		1264	.037	
		* - white quartz veins exhibit <1%									
		black crystals of Tourmaline with 1%									
		irregular masses of pyrite associated with									
		vein shapes, Trace Visible Gold									
		associated with pyrite in quartz.									
116.4	118.6	Sheared Andesite									
		- massive with fine interstitial									
		carbonate at <10° to C/A.									
118.6	121.6	Quartz-Carbonate Shear Zone									
		- <2% fracture coatings of									
		buff-carbonate at <10° to C/A; 60% quartz-									
		carbonate veining exhibiting moderate									
		brecciation and exhibiting 20% chlorite and									
		vertical chlorite veinlets and 2% fine									

RIDGES TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Property
HOLE NO. B83-2 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS Ag OZ. TON	ASSAYS Ag OZ TON
		dissemination of iron-carbonate associated with chloritic patches.									
121.6	167.5	Andesite.									
		- mildly silicified with quartz-carbonate veining decreasing in amounts from 3% at upper contact to <1% down hole with light grey-green colour.									
		157.0 to 157.5 quartz-carbonate vein at 35° to c/A; 2% chloritic patches incorporated within vein material itself.	3360		157.0	158.0	1.0		79		
		- grades into shear-banded andesite at 167.5 feet.									
			3361		167.0	168.0	1.0		43		
167.5	174.5	Shear-Banded Andesite with Quartz-Carbonate	3362		168.0	168.5	0.5		385		
		- gradational from andesite; becomes	3363		168.5	172.0	3.5		1346	0.039	
		progressively more siliceous down hole becoming light-grey-green and banded with 2% thin quartz-carbonate at	3364		172.0	174.5	2.5		1569	0.046	
			3365		174.5	177.0	2.5		164		

RIDGES TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Property
HOLE NO. BB9-2 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS OZ. TON	ASSAYS OZ TON
		20 to 0/A; 2% thin siliceous partings of brown carbonate	797	<1	177.0	180.3	3.3		337	.010	
		in areas of moderate quartz and quartz-carbonate veining.	485	<1	180.3	183.7	3.4		81	.002	
			486	<1	183.7	187.0	3.3		759	.022	
		168.0 to 168.5: 75% quartz-carbonate	487	<1	187.0	193.0	6.0		30	.001	
		stringers at 20° to C/A with sericitic buff-cb.									
		altered selvages; 2% fine pyrite.									
		172.5 to 174.0: 3 inch white quartz									
		vein at 173.1 feet bounded by buff-cb.-									
		altered selvages with 2% fine pyrite.									
174.5	193.0	Silicified Andesite									
		- medium grey-green, fine-grained									
		to massive w 5 1% quartz-carbonate stringers.									
			3366		193.0	197.0	4.0		360		
193.0	214.2	Silicified Andesite with Quartz-Carbonate	488		197.0	202.0	5.0		212	.006	
		- as previous, but andesite exhibits	489		202.0	205.0	3.0		16	<.001	
		some chert sections of sheer bedding with quartz-carb.									
		veins to ¼ inch width; traces of 1% pyrite									

RIDGES TORONTO – 366-1168

J.L. TINDALE & ASSOCIATES INC.
Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY: Buckingham Hirs Property
HOLE NO. B87-2 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Au oz ton
		195.6 to 196.0: wk quartz carbonate vein at 25° to C/A; fracture.								
		205.0 to 206.9. irregular quartz-ch. veins bearing 1-2% iron carbonate; buff alteration; 1% fine pyrite associated.	3367		205.0	206.0	1.0		118	
214.2	219.7	Sheared and Mineralized Mafic Dyke - fine to medium grained black mafic dyke; contacts chl. ch. and irregular upper contact, lower contact obscured by 3 inch quartz-carb. vein at 50° to C/A; becomes altered from core massive type at 217.5 feet with 7% pyrite in medium grained disseminated stringers at 0° to 5° to C/A.	3368		214.0	217.5	3.5		36	
			3369		217.5	220.0	2.5		4156	0.121
			3370		220.0	222.0	2.0		167	
			3371		222.0	225.5	3.5		179	
			490		225.5	228.1	2.6		282	.008
			491		228.1	231.3	3.2		2740	.080
219.7	222.3	Silicified Breccia - grey quartz, fine grained; as previously.								

RIDGES – TORONTO – 366-1168

Consulting Geologists

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Mine Property

HOLE NO. B89-2 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON
222.3	225.5	Quartz-Carbonate Shear Zone with 1% Carbonate - moderately sheared andesite at 70° to C/A with quartz-carbonate as granular groundmass and secondary, en-echelon stringer veinlets; 2% buff carbonate associated with chloritic schist material; trace stringer pyrite									
225.5	240.5	Silicified Andesite - as previous; 3% stringer quartz-carb. at 60° to C/A.; trace cubic pyrite. 237.5 to 238.5: 5% interstitial carbonate throughout									
240.5	297.0	Andesite - fine-grained; medium to dark green with occasional pyrite associated with 3% quartz-carbonate stringers and alteration; massive texture. 293.6 to 294.8: white quartz-cb. vein at 70° to C/A.									
	297.0	End of Hole.									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.
907 – 110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-2A LENGTH 287 Feet
LOCATION Asquith Twp; Buckingham Mine Area, Grid 'B'
LATITUDE 418E DEPARTURE 8+25'S
-170' -in° A- -/.n°
STARTED January 25 FINISHED January 26, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	62°				
287'	61°				

HOLE NO. B89-2A SHEET NO. 1
REMARKS Casing Pulled.

LOGGED BY R. W. Johnson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Au %	ASSAYS Au ppb	ASSAYS OZ/TON	ASSAYS OZ/TON
0.0	2.0	Casing in Bedrock									
2.0	84.7	Diabase - black, medium grained equigranular; 2% epidote along fracture planes; slightly magnetic.									
84.7	104.5	Andesite - bleached from upper contact with diabase; fine-grained, massive to slightly banded; dark green.									
104.5	125.7	Andesite with Quartz-Carbonate Shears - andesite becomes sheared and altered with quartz-carbonate veins and stringers and intermittent brown-'buff' carbonate alteration over sections up to 3 feet in width.	3372		104.5	107.5	3.0		269		
			3373		107.5	110.0	2.5		730		

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Property

HOLE NO. B89-2A SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS Au ppb	ASSAYS Au OZ/TON	ASSAYS OZ TON
		104.5 to 107.5: sheared altered and banded section at 0° to 40° to C/A; moderate brown-buff alteration exhibits folding in a 'sinuous' pattern along core; <5% quartz in discontinuous veins; 1% coarse euhedral pyrite.	469	1%	110.0	113.4	3.4		540	.016	
			470	1%	113.4	115.3	1.9		2296	.067	
			471	1%	115.3	118.5	3.2		1404	.041	
		109.6 to 110.5: diffuse buff-carbonate alteration - minor.									
			3374		118.5	121.0	2.5		3035	0.088	
		118.8 to 124.0: sheared andesite with quartz-carbonate veins up to 4 inches width at 10° to 60° to C/A; trace pyrite within schistose and chloritic selvages, minor buff-carb. alteration.	3375		121.0	124.0	3.0		105		
			3376		124.0	126.0	2.0		152		
			3377		126.0	131.0	5.0		173		
			3378		131.0	132.5	1.5		29		
125.7	131.0	'Buff'-Carbonate Shear Zone - shear-banded zone at 35° to C/A with 3% grey-quartz stringers; 10% white quartz-carbonate filling secondary fractures									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Property

HOLE NO. BB9-2A SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		at 0° to CIA: 1% medium-grained to fine intergrowths of pyrite associated with quartz and quartz-carbonate; up to 2% medium crystals of Tourmaline in white quartz-cb. veins.; 15% sinuous bands of 'buff'-carbonate overall.									
131.0	155.0	Andesite - slightly siliceous with < 3% quartz-carbonate in veins to ½ inch. - at 147.0 feet becomes carbonatized with 2% fine interstitial carbonate.; massive texture., grey-green.									
155.0	160.5	Open Cavity - 5 foot open cavity - underground workings; probably x-cut to vein.									
160.5	161.5	Broken and Ground Core - prob. debris/muck on drift floor.									

DIAMOND DRILL RECORD

J. E. TINDALE & ASSOCIATES INC.
907 – 110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Property

HOLE NO. B89-2A SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
161.5	170.0	Carbonatized Andesite -as previous; becomes sheared with 5% discontinuous quartz-carbonate veins at 69.5 feet; grades back into fine andesite at 170.0 feet.									
170.0	198.0	Andesite with Occassional Quartz-Carbonate Shear Zones. -fine-grained, green, massive andesite exhibits <5% sections of shear banding at 85° to C/A and quartz-carbonate veins. 172.1 to 172.4. quartz-carbonate-tourmaline vein at 80° to C/A.	472	<1	171.6	173.3	1.3		158	.005	
			473	<1	173.3	176.3	3.0		120	.003	
			474	<1	176.3	180.5	4.2		45	.001	
			475	<1	180.5	184.3	3.8		17	<.001	
			476	<1	193.2	197.0	3.8		242	.007	
			3379		197.0	198.0	1.0		562		
198.0	200.0	Quartz-Filled Shear Zone -white quartz and carbonate vein with 10% chlorite incorporated in vein material overlies 1 foot - brecciated grey-quartz and carbonate-fracture zone; trace pyrite overall.	3380		198.0	200.0	2.0		1498		
			3381		200.0	203.0	3.0		274		
			3382		203.0	205.5	2.5		3595	0.105	
			3383		205.5	207.0	1.5		21		
			3384		207.0	208.0	1.0		49		
200.0	205.6	Andesite -massive, red-green and fine-grained.									

DIAMOND DRILL RECORD

907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Property

HOLE NO. BB9-2A SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS Cu ppm	ASSAYS Au ppb	ASSAYS Au OZ/TON	ASSAYS Cu OZ/TON
205.6	206.8	Quartz-Carbonate Shear Zone - sheared at 70° to C/A; quartz-carbonate and chlorite marks schistosity; plane; no mineralization noted.									
206.8	242.0	Shear-Banded Andesite with Quartz-Carbonate - 5% quartz-carbonate veining with widths to 2 inches at 45° to 80° to C/A with associated minor and diffuse buff-carbonate alteration.	3385		231.0	233.0	2.0		114		
			3386		239.0	240.5	1.5		561		
		240.5 to 241.6: broken ground.									
242.0	287.0	Andesite with Quartz-Carbonate Fractures. - dark-green, fine grained andesite with dominant schistose chlorite at 45° to C/A cut by up to 5% brittle, quartz-carbonate fracture-fillings at 0° to 45° to C/A.; trace epidote alteration.; trace Cpy noted at 272.0 feet.	3387		271.0	273.0	2.0	Cu 864			
	287.0	End of Hole									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES LTD.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-5 LENGTH 350 Feet
LOCATION Asquith Twp.; Buckingham Mine Area; North Zone; Grid 'B'
LATITUDE 48+00E DEPARTURE 6+54S
ELEVATION AZIMUTH 320° DIP -45°
STARTED January 29 FINISHED January 30, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	44°				
350'	44°				

HOLE NO. B89-5 SHEET NO. 1
REMARKS Casing Pulled.
LOGGED BY V. I. T. N. DE. JOHNSON

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
	0.0	Bedrock										
0.0	72.0	Fine-Grained Andesite - dark green, fine-grained andesite with <1% quartz-carbonate veins to 0.5 inches; very slight foliation at 45° to C/A evident, grades into medium-grained flow at 72.0 feet.										
72.0	85.5	Andesite Flow - slight foliation to fragmental appearance marked by interstitial carbonate at 45° to C/A, minor epidote marks thin, low-angle fractures; quite massive in appearance on whole.; sharp lower contact at 75° to C/A.										

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES LTD.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Area - North Zone

HOLE NO. B89-5 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
80.5	101.0	Fine-Grained Andesite - as previous unit; dark green, massive with very slight fine-grained foliation at 45° to c/A.; up to 5% epidote associated with thin carbonate-filled fractures.	3401		85.0	86.0	1.0		8	<.001	
		86.3 to 87.2: Quartz-Carbonate-Chlorite Vein; vein contacts sharp and chloritic at 40° to c/A; up to 20% chlorite as sub angular clasts in white vein material; 1% very fine pyrite along thin fracture-fillings in chlorite schist.	3402		86.0	87.5	1.5		16	<.001	
			3403		87.5	89.0	1.5		11	<.001	
		98.4 to 99.0: diffuse epidote alteration.									
		- grades into medium-grained andesite flow at 101.0 feet.									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES LTD.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Area; North Zone

HOLE NO. B69-5 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
101.0	156.0	Andesite Flow -as previously intersected; medium-grained, chloritic with 10% fine interstitial carbonate throughout, marking weak foliation at 50° to C/A. 147.5 to 147.7: white quartz-carbonate vein at 35° to C/A; trace very fine pyrite associated with chloritic selvages.									
156.0	177.3	Fine-Grained Andesite with Shear Banding. -fine-grained, grey-green andesite with up to 5% granular stringers and fracture-fillings of quartz-carbonate at 0° to 40° to C/A	3404		157.0	158.5	1.5		11	<.001	
		158.9 to 159.6: quartz-carbonate vein at 40° to C/A with 15% chloritic partings and selvages containing trace to 1% fine pyrite.	3405		158.5	159.0	0.5		396	0.012	
			3406		159.0	161.0	2.0		19	.001	
		-gradational contact at 177.3 feet.									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOC...
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Area - North Zone

HOLE NO. B89-5 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
177.3	264.0	Medium-Grained Andesite Flow -as previous; moderate epidote alteration associated with quartz-carbonate alteration. 177.5 to 178.4: diffuse epidote and quartz-carbonate alteration at 45° to C/A.									
264.0	280.5	Sheared Andesite Tuff -very fine-grained andesite tuff; banded to sheared at 45° to C/A with up to 2% fine/thin carbonate fractures over sections up to 1.5 feet, trace diffuse brown buff carbonate alteration associated	3407		277.0	280.5	3.5		11	<.001	
280.5	288.5	Quartz-Carbonate Shear Zone. -shear-banded at 60° to C/A; 20% brown to beige carbonate in thin partings banded with quartz stringers cut by thin irregular white-carbonate fractures; trace finely disseminated pyrite occurs within quartz-carbonate stringers.	3408		280.5	283.5	3.0		35	.001	
			3409		283.5	286.0	2.5		21	.001	
			3410		286.0	288.5	2.5		10	<.001	

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES INC.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Area - North Zone

HOLE NO. B89-5 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
288.5	350.0	Pillowed Andesite Flows - very fine-grained, light to medium green; exhibit flow structures and minor brecciation (flow) and repetitive carbonatized pillow selvages to 1 inch widths which exhibit chilled margins and trace pyrite. 331.7 to 332.3: quartz-carbonate epidote vein at 45° to c/a.										
	350.0	End of Hole.										

FORM 2

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-6 LENGTH 347 Feet
LOCATION Asquith Township; Buckingham Mine Area; North Zone
LATITUDE 19+75E DEPARTURE 6+00S
STARTED January 30 FINISHED January 31, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	41°				
347'	38°				

HOLE NO. B89-6 SHEET NO. 1
REMARKS Casing Pulled.
LOGGED BY R. W. Johnson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
	0.0	Bedrock									
0.0	156.0	Andesite Flow -dark green, massive; fine to medium-grained and chloritic; poorly developed foliation evident; generally less than 1% quartz-carbonate veining evident; but occassional vein reaches widths of 0.50 feet.; becomes very fine-grained and slightly lighter-green in colour at 81.0 feet. 0.0 to 17.0 feet: blocky core.									
156.0	164.0	Shear-Banded Andesite -moderately sheared fine-grained andesite with very thin and irregular quartz-carbonate fracture-fillings making the shear planes; small-scale 'Z'-folding evident in carbonate-fractures; slight trace pyrite noted.									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOCIATES LTD.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Property - North Zone

HOLE NO. B89-6 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
[illegible]	[illegible]	Andesite Flow - fine-grained, chloritic andesite exhibits vesicular sections containing 2% rounded, carbonate-filled vesicles; and flow-breccia contacts foliated at 55° to C/A.									
178.6	182.6	Shear Zone - grades from sheared andesite with 3% thin carbonate-filled fractures into a core of silicified and sericitized schist with trace pyrite along secondary carbonated fractures; schistosity at 45° to C/A; grades back into fine andesite at 182.0 feet.	3411		179.0	182.5	3.5		11	<.001	
182.6	220.5	Andesite - as previous; fine-grained, medium-green and massive.; occassional carbonate-filled vesicle from 206.0 feet.; irregular quartz-carbonate-epidote alteration in patches up to 0.5 feet. 197.5 to 199.8: 15% quartz-carbonate-epidote alteration in patches to 0.5 feet.									

DIAMOND DRILL RECORD

J. L. TINDALE & ASSOC.
907–110 Erskine Ave.
Toronto, Ontario M4P 1Y4

NAME OF PROPERTY Buckingham Mine Property - North Zone

HOLE NO. B88-6 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
220	247.0	Pillowed Andesite Flows - fine-grained andesite with repetitive pillow selvages with slight carbonate and epidote alteration noted.; occassional white quartz-carbonate vein noted at 30° to C/A.									
		247.6 to 248.5 249.4 to 249.7 249.9 to 250.8 } quartz-carbonate veins at 30° to 60° to C/A; coarse white carbonate noted in fine groundmass of quartz and carbonate (calcite). - becomes slightly bleached in appearance from 268.0 feet.	3412		247.5	251.0	3.5		<5	<.001	
		322.6 to 322.8: white quartz vein at 50° to C/A.	3413		329.0	331.0	2.0		12	<.001	
		331.5 to 332.0: quartz-carbonate-epidote vein at 45° to C/A; trace pyrite noted.	3414		331.0	332.5	1.5		6	<.001	
			3415		332.5	334.0	1.5		8	<.001	
	347.0	End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY [illegible]
HOLE NO. 89-8 LENGTH 327'
LOCATION East 100' from B89-1
LATITUDE 215 DEPARTURE 8+25S
ELEVATION -12.67' AZIMUTH 360 DIP 45°
STARTED [illegible] FINISHED Feb 9 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150	40	[illegible]			
326	43				

HOLE NO. 89-8 SHEET NO. 1
REMARKS
LOGGED BY J.L. FINDLAY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS ppb	ASSAYS OZ/TON	ASSAYS OZ/TON
0	2.5	Casing									
2.5	97.0	Andesite; gy to gy gn; carbonatized; fine grd; sheared to varying intensity; qtz-tourmaline veins up to 6" wide; @ 60°-90° C.A.; pyrite fine; disseminated (1%), more common in intensely sheared zones; some large (¼") pyrite intergrowths;									
		@ 17.0-18.6 as above w 4" gn. wh. qtz tourmaline @ 60°; pyrite 1%	531	+-	17.0	18.6	1.6		<5	<.001	
		@ 25.6-27.4 as above w blue gy qtz veins/stringers along sheared; 2-3% pyrite 1% TR V.G. in blue qtz stringers TR cpy	532	+-	25.6	27.4	1.8		86 160	.005 .003	
		Sheer Zone (Fracture)									
		@ 31.5 - 33.0 Sheared; w 5" wh. qtz tourmaline; coarse pyrite; disseminated 1%	533	1	31.5	33.0	1.5		866	.025	
		@ 33.0 - 35.3 Intense shear zone; bordered wavy w blue qtz injected along shear planes; pyrite 2% disseminated as cubes and [illegible]; chlorite and serpentine along sheared planes @ 70°	534	2	35.0	35.3	2.3		2612	.076	
		35.3 - 39.0 Sheared but not banded; minor blue qtz stringers; ½" wh. qtz-tourmaline vein @ 90° @ end interval; trace pyrite	535	+-	35.3	39.0	3.7		61	.002	

LANGRIDGE — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham MINE

HOLE NO. B-89-8 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		@ 39.0 - 42.4 Carbonate-rich, sheared, minor blue qtz. w diss. pyrite.	536	Tr	39.0	42.4	3.4		<RR	.017	
		@ 42.4 - 47.0 as above w sections of wavy white to clear qtz - tourmaline w tr pyrite.	537	Tr	42.4	47.0	4.6		147	.004	
		@ 47.0 - 51.3 as above w minor blue/BG qtz-tour. veins, tr py	538	Tr	47.0	51.3	4.3		2154	.063	
		" " "									
		@ 57.0 - 60.1 Pale gn. carb-rich volc. w white qtz tourmaline vein @ 90°(4") and 1" @ 11cl core.	539	Tr	57.0	60.1	3.1		1155	.034	
		@ 68.0 - 71.0 Pale gn carb rich, tr py, BG/wh qtz @ 60°	540	Tr	68.0	71.0	3.0		8	<.001	
		@ 71.0 - 74.0 as above, no qtz veins, tr py	541	Tr	71.0	74.0	3.0		8	<.001	
		@ 74.0 - 77.0 Well Sheared, wavy blue qtz along shear planes; chlorite/serp; tr py	542	Tr	74.0	77.0	3.0		16	<.001	
		@ 77.0 - 79.5 sheared, dk gn, blue qtz w white flaky carbonate infilling fractures in qtz, tr py cpy	543	Tr	77.0	79.5	2.5		15	<.001	
		@ 79.5 - 83.0 Less intense shearing; qtz carb veins rare, py-rite trace.	544	Tr	79.5	83.0	3.5		<5	<.001	
		" " "									
		@ 86.2 - 88.8 Dark-gn volc, w splashes of white qtz carb veins, trace py.	545	Tr	86.2	88.8	2.6		6	<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Mines

HOLE NO. B89-8 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		@ 94.4 - 97.0 sheared gn carb rich as above w 2" white gtz-tourmaline vein @ 30° to cy. End of interval.	546	Tr	94.4	97.0	2.6		20	.001		
97.0	121.3	Pillowed Andesite; green as gross f.g.; sheared and injected w white carbonate; epidote alt'n along veins and within veins; minor jasperoid Fe along shear partings; tr. diss. pyrite; gtz-carb. veins irregular throughout.										
		@ 97.0 - 102.0 most intense shearing of above, white carb. alteration; blue gtz blebs; tr py.	547	Tr	97.0	102.0	5.0		30	.001		
		@ 119.0 2" gywh gtz-carb vein, sharp, @ 45°										
121.3	153.2	Sheared Carbonate Zone; pale gn gy w some zones of intense shearing and blue gy gtz; accessional gywh gtz-carb veins; pyrite very finely diss. throughout. Upper contact gradational; lower sharp @ 90°.										
		@ 121.3 - 124.8 Gn, less altered, soft, w irregular gtz-calc, tr py.	548	Tr	121.3	124.8	3.5		19	.001		
		@ 124.8 - 126.0 as above, 50% gtz-calc vein, blue wh gy; w diss. py; Target V.G. Veins @ 45°	549	Tr	124.8	126.0	1.2		<5 Specks V.G	<.001		No Gold

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Mines

HOLE NO. B89-8 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		@ 124.3 - 137.6 Pk. altd intense, w.f.g. dacitic occassional blue gtz stringers, irregular, tr py	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
		@ 137.6 - 139.5 Shear Zone, intense altn bonded, w blue gtz injected along shear planes @ 60°; pyrite 2% fine diss.; grades to less banding.	551	2	137.6	139.5	1.8		28	.001	
		@ 139.5 - 143.2 Sheared, altered as above but less intense, less gtz but still blue and clear gtz stws @ 60° to 45°? Tr py.	552	Tr	139.5	143.2	3.7		22	.001	
		@ 143.2 - 147.5 as above, shearing @ 45°	553	Tr	143.2	147.0	3.8		14	<.001	
		@ 147.5 - 150 as above, less intensity; tr gtz, py	554	Tr	147.5	150.0	2.5		9	<.001	
		@ 150.0 - 153.2 as above, 2, ½" blue gy gtz tourmal. veins @ 90°	555	Tr	150.0	153.2	3.2		9	<.001	
153.2	171.0	Andesite; possible pillowed; dk gn; sheared but not intense; whispy wavy yellow serp and white gtz calc stws; tr. pyrite. Appears to grade into underlying carbonate section.									

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Mine

HOLE NO. B89-8 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
171.0	179.5	Ultramafic/Peridotite; talc-carb; dk gn, soft; appears brecciated in part; wavy blue qtz injected and as fragments; trace f.g. pyrite; minor tourmaline w/ accessory qtz veinlets;									
		@ 171.0 - 173.2 as above w/ whispy qtz-carb, tourmaline	556	Tr	171.0	173.2	2.2		7	<.001	
		@ 173.2 - 176.5 as above, sl. increase in blue qtz	557	Tr	173.2	176.5	3.3		<5	<.001	
		@ 176.5 - 179.5 brciated section, yellow gn infills, blue qtz frags., tr py.	558	Tr	176.5	179.5	3.0		21 35	.001 .001	
179.5	327	Ultramafic/Peridotite; talc-carb; very soft; dk gn to black, med. grd; sheared in part w/ wh. qtz veining; traces of pyrite disseminated; minor well developed wh. qtz. veins @ 45°. Carbonate-rich.									
		@ 260.7 - 261.0 Diabase dyke.									
		@ 287.0 - 288.7, 2, 6" white qtz veins @ 30°/45°, tr. pyrite.	559	Tr	287.0	288.7	1.7		13	<.001	
		@ 310.5 - 313.5 Wh. qtz veins in well sheared banded talc; sol/mor pink calcite, @ 45°	560	Tr	310.5	313.5	3.0		53	.002	
		@ 323.3 - 326.1 Wh. qtz veins, tr. py disseminated in veins; magnetite xls along vein borders; @ 90 - 30°, very irregular.	579	Tr	323.3	326.1	2.8		~~37~~ 55	.001	
		End Hole @ 327'									

LANGRIDGES — TORONTO — 368-1168

DRM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-18 LENGTH 200 Feet.
LOCATION Asquith Township; Buckingham Hive Area
LATITUDE L20.00W DEPARTURE 7400S
ELEVATION -3.93' AZIMUTH 360° DIP -45°
STARTED February 20 FINISHED February 21, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	41°				

HOLE NO. B89-18 SHEET NO. 1
REMARKS Casing Pulled.

LOGGED BY K.W. Johnson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0.0	5.0	Casing in Overburden.									
5.0	16.0	Chloritic Andesite - dark green, fine-grained schist at 56° to C/A; very slight schistosity and exhibits massive texture.; sharp lower contact at 16.0 feet with grey, homogeneous rock.									
16.0	36.0	Fine-Grained Andesitic Tuff. -sharp contact with chloritic andesite at 55° to C/A; light grey-green, massive and very fine-grained rock cut by < 3% very thin grey quartz and white carbonate-filled fractures at < 20° to C/A.; grades back into massive, fine-grained dk. green andesite at 36.0 feet.	6855		16.0	18.0	2.0		8	<.001	
		18.0 to 19.5: 10% quartz and carbonate fracture-fillings at 80° to C/A; brittle	6856		18.0	19.5	1.5		<5	<.001	
			6857		19.5	22.0	2.5		<5	<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 89-18 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		deformation of host tuff evident; 20% white carbonate in areas of most intense brittle deformation (19.2 to 19.5)									
		21.3 to 21.6: white qtz-cb. vein at 25° to C/A; 30% fracture/vuggy carbonate within white quartz.									
		23.1 to 23.3: qtz-carbonate vein at 80° to C/A.									
36.0	53.0	Chloritic Andesite (Pillowed). -as previous; dark-green, fine-grained and massive; probably pillowed flow with very slight epidote alteration of pillow selvages.; occasional breccia-filling of quartz and rose-carbonate over short, irregular sections with fissile and chloritic selvages.									
			6858		47.0	49.0	2.0		47	.001	
		43.0 } quartz-carbonate-chlorite 48.2 to 48.0 } fracture filling.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-18 SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
53.0	60.4	Fine-Grained Andesite Tuff. - as previous; light-grey to green, fine-grained, moderately carbonatized throughout with massive appearance; fine tuffaceous texture marked by fine interstitial carbonate; <1% fracture-fillings of grey qtz. and carbonate.	6859		59.0	60.4	1.4		20			
60.4	62.0	Fine-Grained Diabase - black, slightly magnetic; bleached green-grey from very thin, randomly oriented fractures; bleached upper and lower contacts for 0.5 inches - chilled margins.	6860		60.4	62.0	1.6		<5			
			6861		62.0	64.5	2.5		124	0.004		
62.0	64.5	Fine-Grained Andesite Tuff. - grey-green as previous; becomes sheared at 64.0 feet at 40° to C/A. with 25% grey quartz and carbonate fracture-fillings.	6862		64.5	66.6	2.1		16332	0.475		
			6863		66.6	68.5	1.9		56	0.002		
64.5	66.6	Quartz Vein - smokey grey quartz; vitreous to dusty	6864		68.5	69.5	1.0		76			

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-18 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ. TON
		In appearance with < 2% white carbonate predom. along late fractures; 20% irregular patches of aggregate chlorite masses with 5% brown to light beige carbonate interstitially, 2% coarse pyrite associated, trace Cpy.; lower contact irregular at 60° to C/A., 1% Tourmaline Stringers.	68655		69.5	71.5	2.0		34		
66.6	100.5	Pillowed Andesite -dark green, fine-grained chloritic andesite with rhythmic pillow selvages exhibiting slight epidote alteration.; occassional sheared section with quartz-carbonate-tourmaline veins at 20° to 40° to C/A., slow reaction with acid. 68.5 to 69.5: white quartz-carbonate vein at 20° to C/A with 5% bladed tourmaline along vein selvages.; 1% fine pyrite. -at 89.0 feet becomes carbonated and reacts quickly with HCl., becomes lighter										

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. 889-18 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON
		grey in colour.									
		94.0 to 95.0 20% white quartz-carbonate veins at 35° to C/A; no mineralization noted.									
100.5	119.0	Carbonatized Andesite									
		- green to dark-grey massive andesite, fine-grained with 15% disseminated, interstitial carbonate throughout, increasing in intensity in areas of quartz-carbonate shearing; trace buff beige carbonate in sinuous stringers within carbonate shear zones.									
			6866		100.0	105.0	4.0' sample error lost top 1' of sample # to 6867.		21		
		100.5 to 100.8 } quartz-carbonate 105.0 to 106.5 } shear zone at 35° to C/A; 3% sinuous partings of yellow-beige carbonate in moderately chloritic selvages of qtz-cb. veinlets.; trace to 1% fine pyrite.	6867		105.0	107.0	2.0		130		
			6868		107.0	109.0	2.0		225		

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-18. SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
119.0	137.5	Pillowed Andesite - dark green, slightly sheared andesite, strongly chloritic; up to 15% white carbonate as fine interstitial disseminations and as fracture-fillings with up to 3% coarse pyrite associated.; grades into v.f. fine-grained dark green andesite.									
137.5	160.0	Andesite - very fine-grained, massive dark green rock; <1% carbonate as thin fracture-fillings at 65° to C/A.; lower contact with peridotite not readily discernable.									
160.0	200.0	Talc - Peridotite Intrusive - gradational contact with andesites; medium to coarse-grained texture with up to 20% white carbonate giving rise to coarse intrusive texture; talc-chlorite mats schistosity plane at 80° to C/A									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-18 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ. TON
		175.4 to 176.7: quartz carbonate veins to 1 inch widths at 65° to C/A; 5% brown carbonate along vein selvage.	6869		171.0	175.0	4.0		.63		
			6870		175.0	177.0	2.0		.25		
	200.0	End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-19 LENGTH 333 Feet
LOCATION Asquith Twp. Buckingham Hire Area
LATITUDE 19+50E DEPARTURE 8+25S
ELEVATION -8.04' AZIMUTH — DIP -90°
STARTED February 21 FINISHED February 22, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
150'	85°				
331'	80°				

HOLE NO. B89-19 SHEET NO. 1
REMARKS Casing Pulled.

LOGGED BY K. W. Johnson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0.0	12.0	Casing in Overburden									
12.0	107.0	Carbonatized Andesite - green-grey andesite; fine-grained schist at 48° to C/A; cut by irregular to tabular grey quartz and carbonate fracture-fillings to 1/8 inch.; trace yellow-beige carbonate alteration associated with fractured and sheared andesite. 21.0 to 21.2: wht. qtz-cb vein at 45° to C/A. @ 29.0 feet exhibits sheared and qtz-cb filled fractured zones up to 2 inches at 40° to 45° to C/A; 2% fine pyrite associated with qtz-cb. 31.0 to 32.0: 35% qtz-cb filled fractures with 40% yellow-beige carbonate as folded selvages in quartz and as sinuous parting at 51° to C/A.; 5% fine pyrite.	6871		25.0	30.0	5.0		274		
			6872		30.0	32.0	2.0		304		
			6873		32.0	37.0	5.0		155 113		
			6874		37.0	41.5	4.5		99		

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-19. SHEET NO. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS	ASSAYS	ASSAYS OZ/TON	ASSAYS OZ TON	
		along partings within qtz; trace to 2% yellow-beige cb associated.										
		* 56.0 to 56.6: white-grey quartz vein with sheared, mod. chloritic upper contact at 37° to C/A; up to 2% fine pyrite noted at upper selvage; lower contact not evident - presumably gradational; Trace to 1% med pyrite growths in white grey qtz exhibit Traces of fine Visible Gold associated.	6881	V.G.	56.0	57.0	1.0		10764 7777	0.313	2k 0.226	
			6882		57.0	58.5	1.5		124 298	0.004 0.009		
		58.8 to 60.2: sheared and quartz-filled zone with upr. contact at 35° to C/A; lower contact pinches at 45° to C/A and appears to mimic a pillow selvage.; moderate cb. alt gives selvages notched to intrusive texture.	6883		58.5	60.5	2.0		38			
			6884		60.5	620	1.5		11			
		71.5 to 72.2: slight shearing and qtz-cb. alteration at 40° to C/A.	6885		62.0	67.0	5.0		826	.024		

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-19 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		75.3 to 75.8 } mildly to moderately 82.5 to 82.8 } sheared andesite with 83.1 to 83.6 } traces brown to alteration and trace to 2% fine pyrite; at 20° to 40° to C/A.	6886		67.0	72.0	5.0		132		
			6887		82.0	84.0	2.0		492		
		87.8 to 88.5: quartz-carbonate shear at 36° to C/A; trace pyrite.; trace beige carbonate along chloritic partings.	6888		87.5	91.5	4.0		310		
		90.0 to 91.3: moderate shearing with qtz-carbonate.; trace beige carbonate as previous.									
		-from 92.0 feet up to 2% quartz-carbonate stringers and veins at 0° to 45° to 80° to C/A.									
107.0	168.0	Pillowed Andesite -massive, fine-grained, dk. grn. with gradational upper contact with carbonate.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B89-19 SHEET NO. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		unit; up to 3% gash and stringers of white quartz-carbonate up to 0.5 inch widths at 0° to 80° to C/A rhythmically throughout sequence; trace epidote at pillow selvages; mild carbonate alteration throughout, medium to slow reaction = HCl.	6889		155.0	156.5	1.5		8		
		157.0 to 157.5: grey qtz as fracture filling = 10% grey to white cb. trace pyrite.; 1% beige to light grn. carbonate at vein selvages; 5% chlorite in vein matl; 3% Tourmaline in masses.	6890		156.5	157.5	1.0		<5		
			6891		157.5	159.0	1.5		<5		
168.0	176.8	Carbonatized Andesite - fine-grained, schistose and green-grey; schistosity banded at 23° to C/A with <4% grey qtz-cb fractures to 0.25 inches and wht. grn.-cb. at 80° to C/A to 0.25 inches; gradational upr. and lwr. contacts.									

LANGRIDGE — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY

HOLE NO. B89-19 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS	ASSAYS	ASSAYS OZ/TON	ASSAYS OZ. TON	
168	251.0	Andesite -gradational from carbonatized schist; massive, medium to fine-grained ≈ 20% interstitial white qtz-cb disseminated throughout; med. green to grey colour; <1% qtz-cb. veins.	6892		214.0	215.5	1.5		~~2~~4			
		216.0 to 216.2: white qtz-cb laminative vein at 65° to C/A. in massive grn. andesite; sharp contacts.	6893		215.5	216.5	1.0		20			
			6894		216.5	219.0	2.5		5			
		234.7 to 236.0: qtz-cb vein at 16° to C/A ≈ 5% pink-rose carbonate in groundmass of qtz-wk-cb and chlorite.	6895		234.0	237.0	3.0		28			
		-grades into grey carbonatized andesite at 251.0 feet.										

DIAMOND DRILL RECORD

NAME OF PROPERTY

HOLE NO. BB9-19 SHEET NO. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ. TON
271.0	276.0	Carbonatized Andesite - fine-grained, green-grey with 10% very fine interstitial carbonate throughout; slight schistosity at 30° to C/A; slight banding; up to 5% thin fracture-fillings of grey quartz and carbonate throughout.	6896		267.0	271.5	4.5		124		
		271.5 to 276.5 } sheared and carbonatized 287.0 to 290.0 } zone with up to 20% grey quartz stringers and veins 30° to C/A; with 5% yellow-beige carbonate through section; trace pyrite.	6897		271.5	276.5	5.0		993		
			6898		276.5	281.0	4.5		239		
			6899		287.0	291.0	4.0		401		
296.0	319.5	Andesite - dark green with moderate to intense white carbonate throughout; shearing and schistosity at 40° to C/A., up to 15% white carbonate as discontinuous stringers or 'jack' veinlets.; sharp lower contact + chilled at 50°.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. B 89-19 SHEET NO. 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
319.5	333.0	Peridotite - grades from chilled contact at 319.5 feet into medium-grained intrusive texture with 30% green chlorite shards in grey-green matrix; massive; grey-black appearance; non-magnetic; little to no carbonate evident., non-talcose.										
	333.0	End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY Asquith Township Property
HOLE NO. B89-21 LENGTH 274' Feet
LOCATION Asquith Township; Buckingham Mine Area
LATITUDE 18.60E DEPARTURE 8+25S
ELEVATION -7.40' AZIMUTH N/A. DIP 90°
STARTED February 63 FINISHED February 67, 1989

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
269'	86°	014°			

HOLE NO. B89-21 SHEET NO. 1
REMARKS Casing Pulled.
LOGGED BY V. I. [illegible]

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0.0	5.0	Casing in Overburden.									
5.0	53.4	Carbonatized Andesite - light green-grey schist, fine-grained at 40° to C/A; only in areas of shearing; un-altered areas grade to massive texture; highly reactive to acid; moderate shearing with trace beige carbonate associated with grey quartz with white carbonate.	6912		5.0	8.0	3.0		559		
			6913		8.0	11.0	3.0		503		
		6.2 to 9.0: grey quartz fracture-fillings at irregular orientations at 15° to C/A; trace buff-beige carbonate to 5% in elongated sinuous patches; trace coarse pyrite; white cb. along very thin fractures at 45° parallel to cb-buff *chlorite selvage									

LANGRIDGES – TORONTO – 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Hill

HOLE NO. B89-21 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		27.5 to 27.9 } grey quartz veins + fracture-fillings = trace to 1% b.f.-db at vein selvages, trace coarse gouths of pyrite.; 2% white fractures marked by carbonate.; veins + shearing at 15° to 25° to C/A.										
		29.4 to 30.0 }										
		38.0 to 39.0 }										
			6915		25.5	29.0	3.5		2376	.069		
			6916		29.0	32.0	3.0		524	.015		
			6917		32.0	37.0	5.0		700	.020		
		50.3 to 50.6: white qtz-db vein at 31° to C/A with 5% Tourmaline enclosed in vein material.	6918		37.0	39.0	2.0		1640 1849	.048 .054		
			6919		39.0	41.0	2.0		447	.013		
		- grades into slightly carbonatized andesite at 53.0 feet.										
53.4	117.6	Chloritic Andesite (Slight Carbonate). - medium-green in colour; massive and fine-grained; slightly carbonatized and a little less reactive than previous.; 2% thin qtz + db. fracture-fillings evident but discont.										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Buckingham Hive

HOLE NO. BB9-21 SHEET NO. 3.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		63.5 to 63.5. white qtz-cb vein at 30° to C/A; barren.									
		67.5 to 67.7: white qtz-cb. as previous.									
		-from 82.0 andesite becomes slightly more carbonate-altered and exhibits subtle carbonate banding at 37° to C/A.									
		86.2 to 86.5: white qtz-cb vein at 15° to C/A; x-cuts schistosity.	6920		96.0	98.0	2.0		54		
		* 98.0 to 99.0: grey quartz with white carbonate along thin fractures at 37° to C/A with slight yellow-beige carbonate evident; trace to 1% pyrite noted along chloritic vein selvages.	6921		98.0	99.0	1.0		366		
			6922		99.0	101.0	2.0		24		
			6923		101.0	103.0	2.0		16		
		103.5 to 103.9 } irregular white to 104.9 to 105.0 } grey qtz vein with 10% prismatic tourmaline.	6924		103.0	105.0	2.0		82		
			6925		105.0	106.0	1.0		25		

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Mine

HOLE NO. B89-21 SHEET NO. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ TON	OZ TON	
		110.2 to 117.6: grain [illegible] up to 30% white carbonate in "gash-type" fracture fillings up to 1/16 inch; often cut by late fractures off-setting carbonate left-laterally										
117.6	205.5	Chloritic Pillowed Andesite - dark green; massive and fine-gr. with up to 4% bright epidote along thin fractures and associated with slightly discernable pillow selvages.; 2% wht. qtz-cb. in veins to 0.5 in.										
		188.6 to 189.7: white massive qtz + crystalline carbonate vein at 5% C/A; 2% epidote clots, trace pyrite.										
205.5	228.0	Chloritic Andesite with Quartz-Cb. Shearing - fine-grained, schistose and green at 10° to C/A; with up to 15% white carb.										

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Mine

HOLE NO. B89-21 SHEET NO. 5

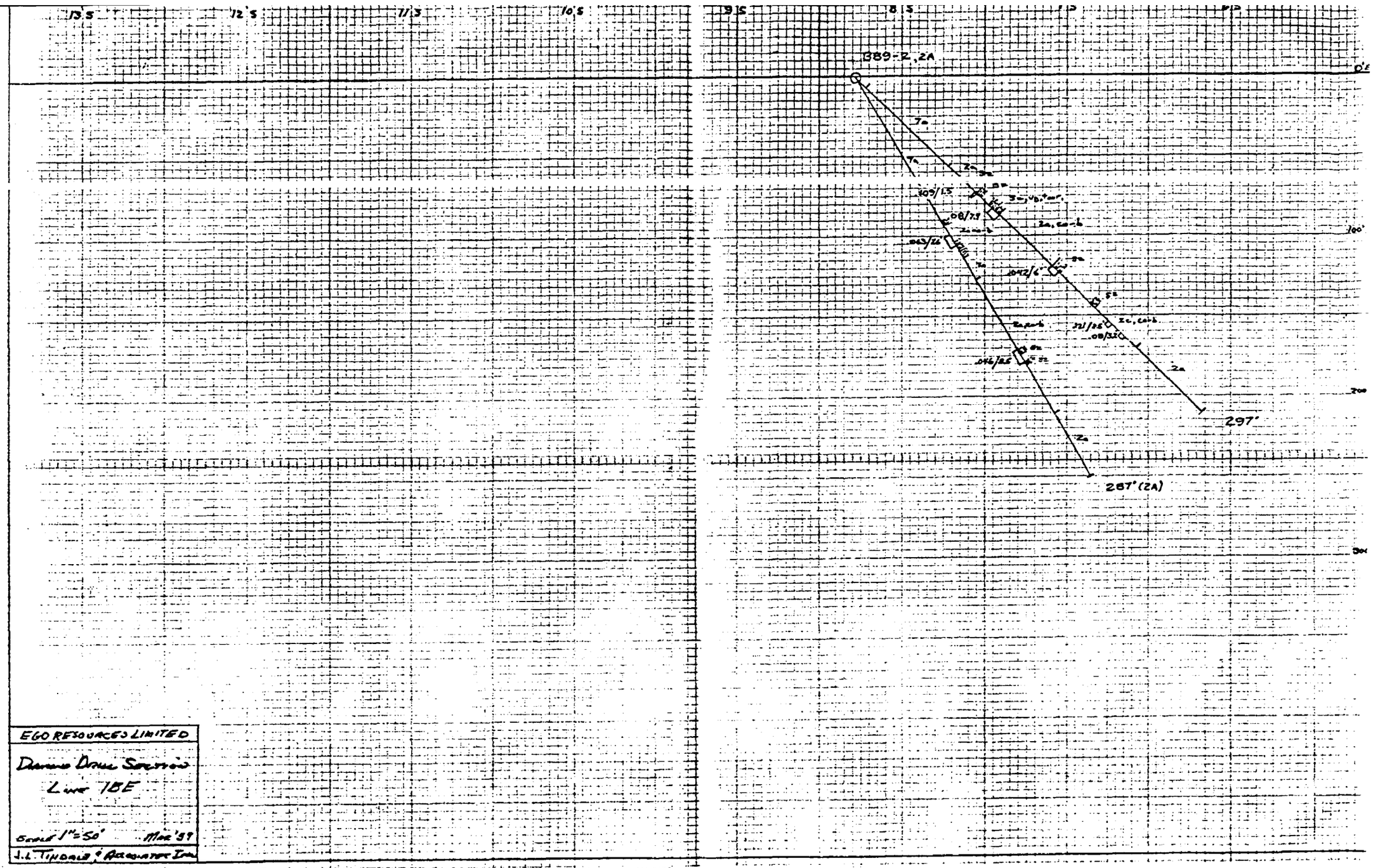
FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON
		as irregular fracture-fillings in grain veins									
		226.5 to 227.5 : qtz-cb. vein at 5° to C/A; trace red hematite along fractures in white qtz.; crenulated chloritic selvages at 5°.									
		239.2 to 240.0 : qtz-cb-epidote vein at 5° to C/A with trace bladed Tourmaline at upper contact.									
228.0	267.0	Pillowed Andesites -as previous.									
267.0	274.0	Carbonatized Andesite -gradational from pillow lavas; grades to grey-green with shearing increasing down-hole to 272.2 feet.; carbonate minor to moderate; banded reaction with acid.									
		272.2 to 273.1 : grey, qtz-cb sheared andesite with trace partings of beige carbonate; shearing at 57° to C/A.; 15% qtz-cb overall.	6926		272.0	274.0	2.0		106 382		

DIAMOND DRILL RECORD

NAME OF PROPERTY Buckingham Hill

HOLE NO. B89-21 SHEET NO. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
274		End of Hole.										
		N.B. Hole terminated at 274.0 as bit finished. KWJ.										



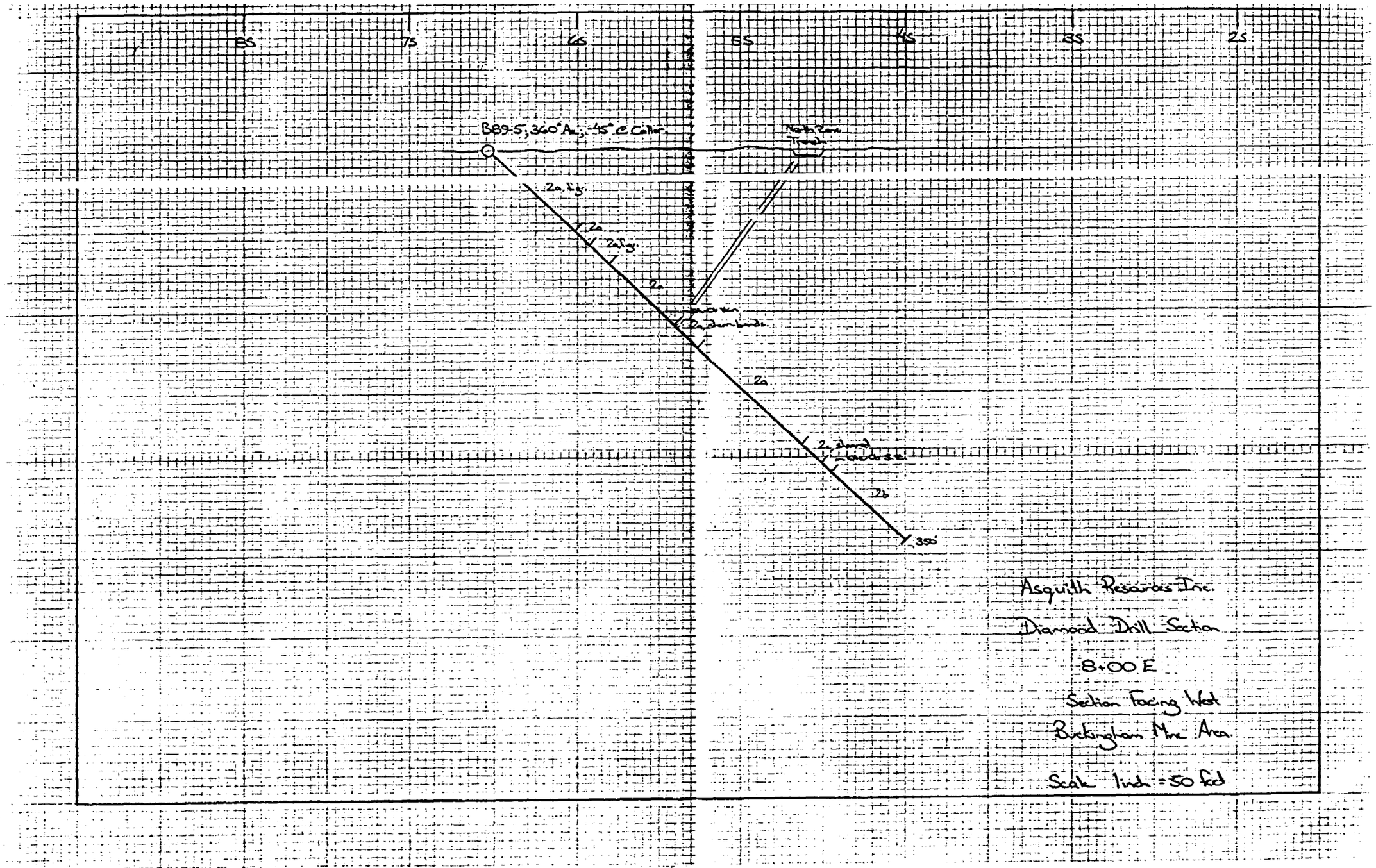
EGO RESOURCES LIMITED

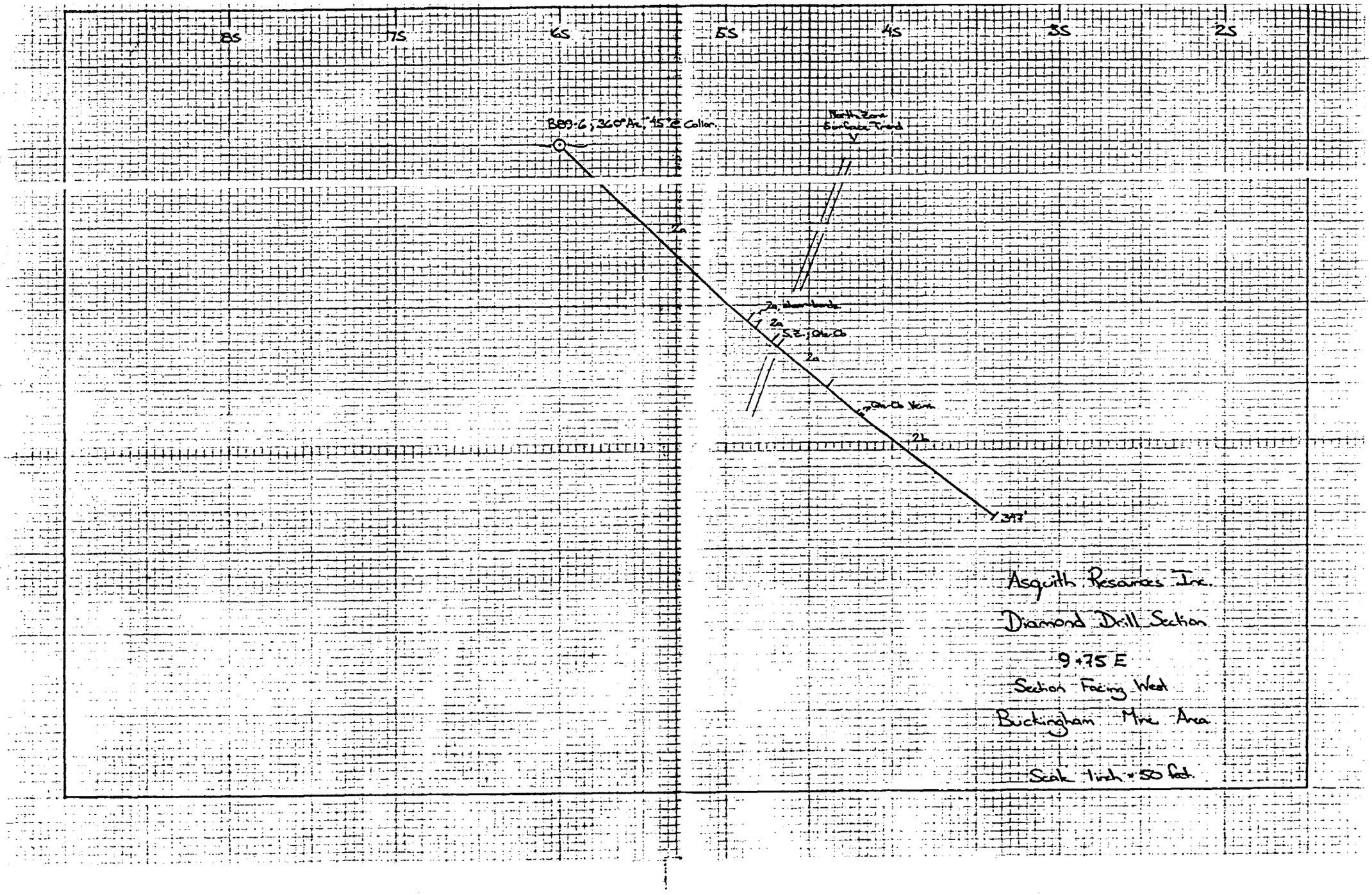
Diamond Drill Section

Line 18E

Scale 1"=50' Mar '99

J.L. Tindale & Associates Inc.


BS
75
65
85
45
35
25
BB9-5; 360° Az; -45° @ Collar
North Zone Tunnel
2a, 2b
2a
2a, 2b
2a
2a
2a
2b
350'
Asquith Resources Inc.
Diamond Drill Section
8+00 E
Section Facing West
Buckingham Mine Area
Scale 1inch = 50 feet



Asquith Resources Inc.

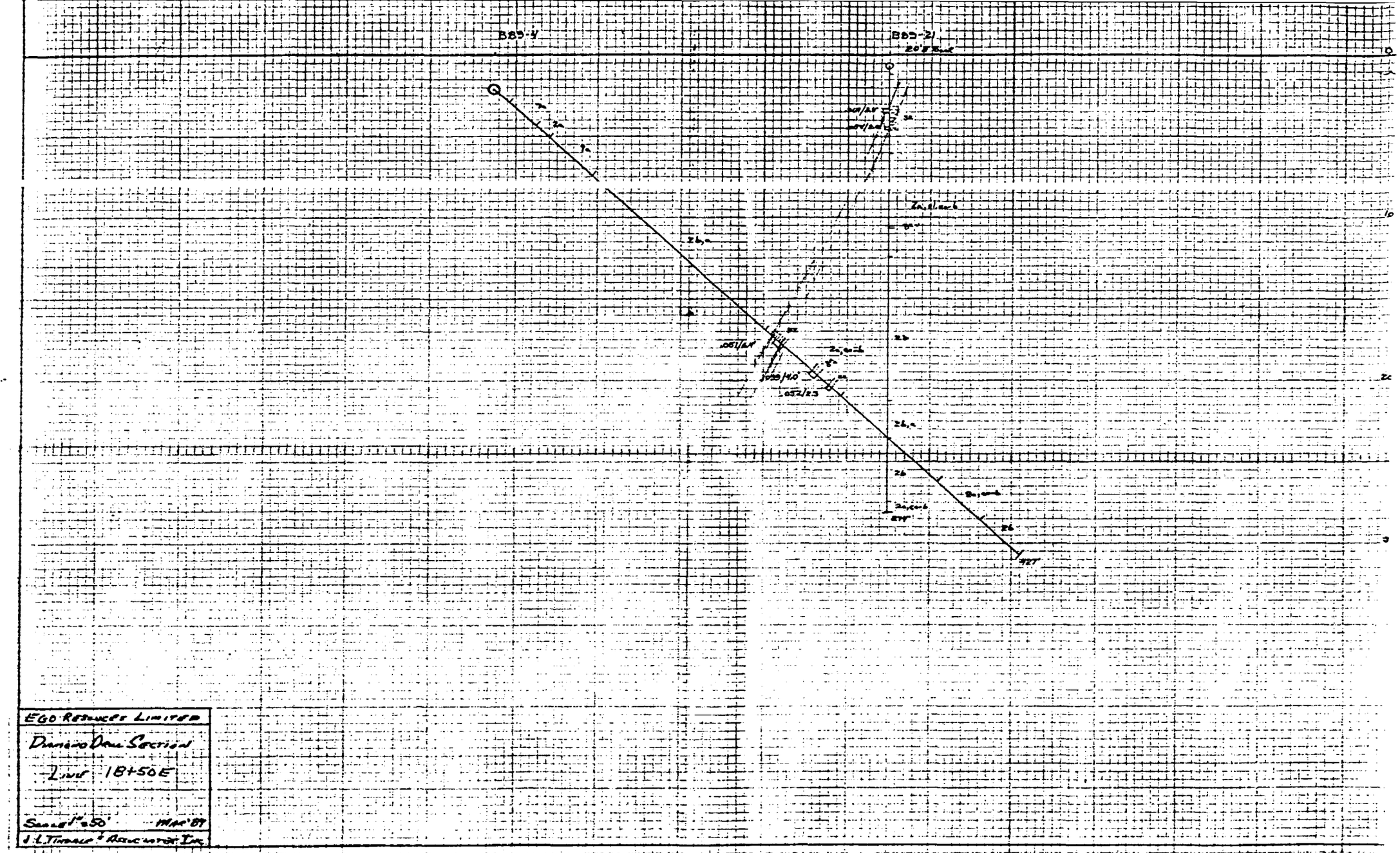
Diamond Drill Section

9+75 E

Section Facing West

Buckingham Mine Area

Scale 1 inch = 50 feet.



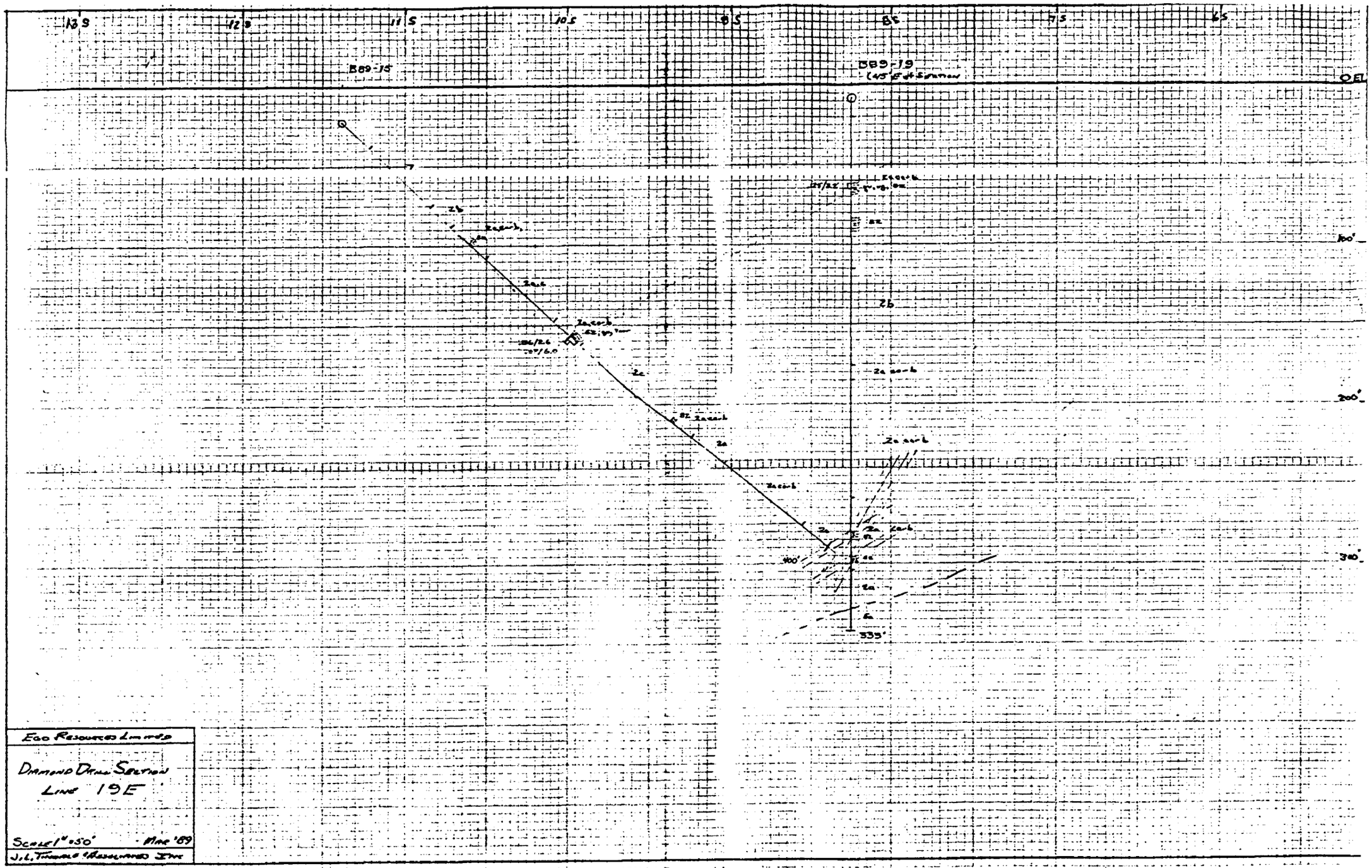
EGO RESOURCES LIMITED

Diamond Drill Section

Line 18+50E

Scale 1" = 50'   MAR '89

J.L. Tindale & Associates Inc.

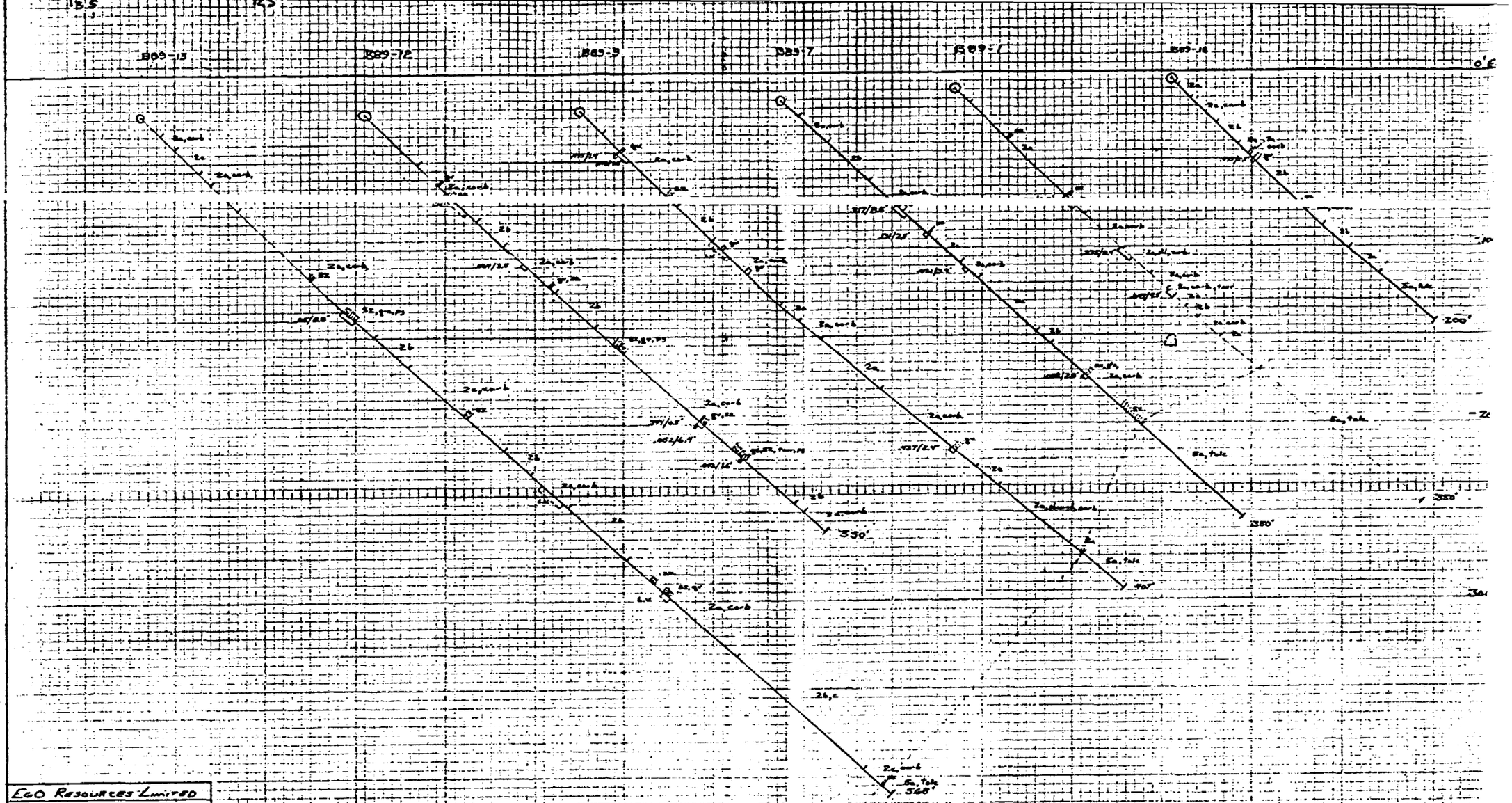


Ego Resources Limited

Diamond Drill Section
Line 19E

Scale 1" = 50'   Mar '89

J.L. Tinnele & Associates Inc



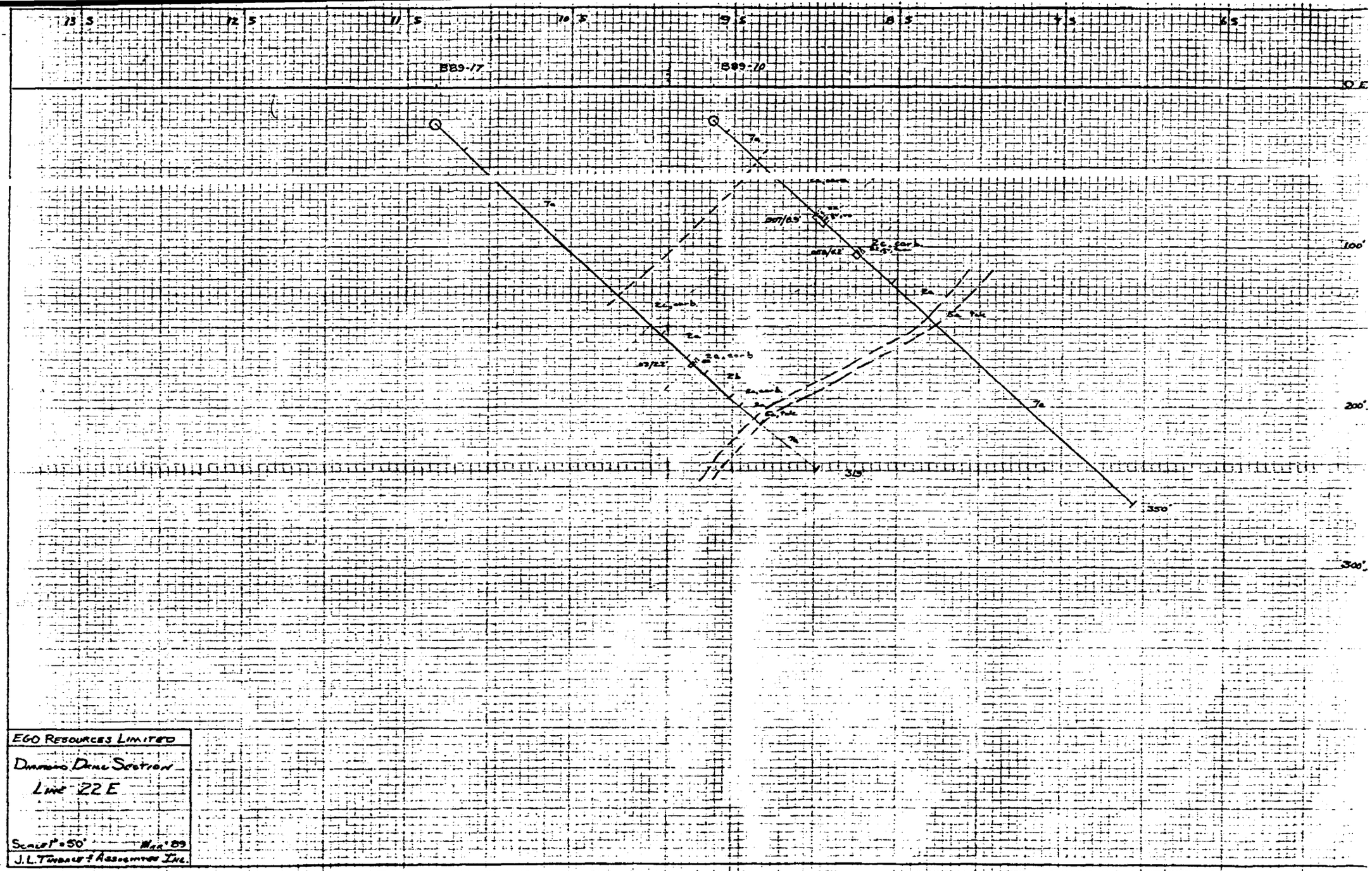
EGO RESOURCES LIMITED

DIAMOND DRILL SECTION

LINE 20E

SCALE 1"=50' MAR. '89

J.L. TINDALE & ASSOCIATES INC.



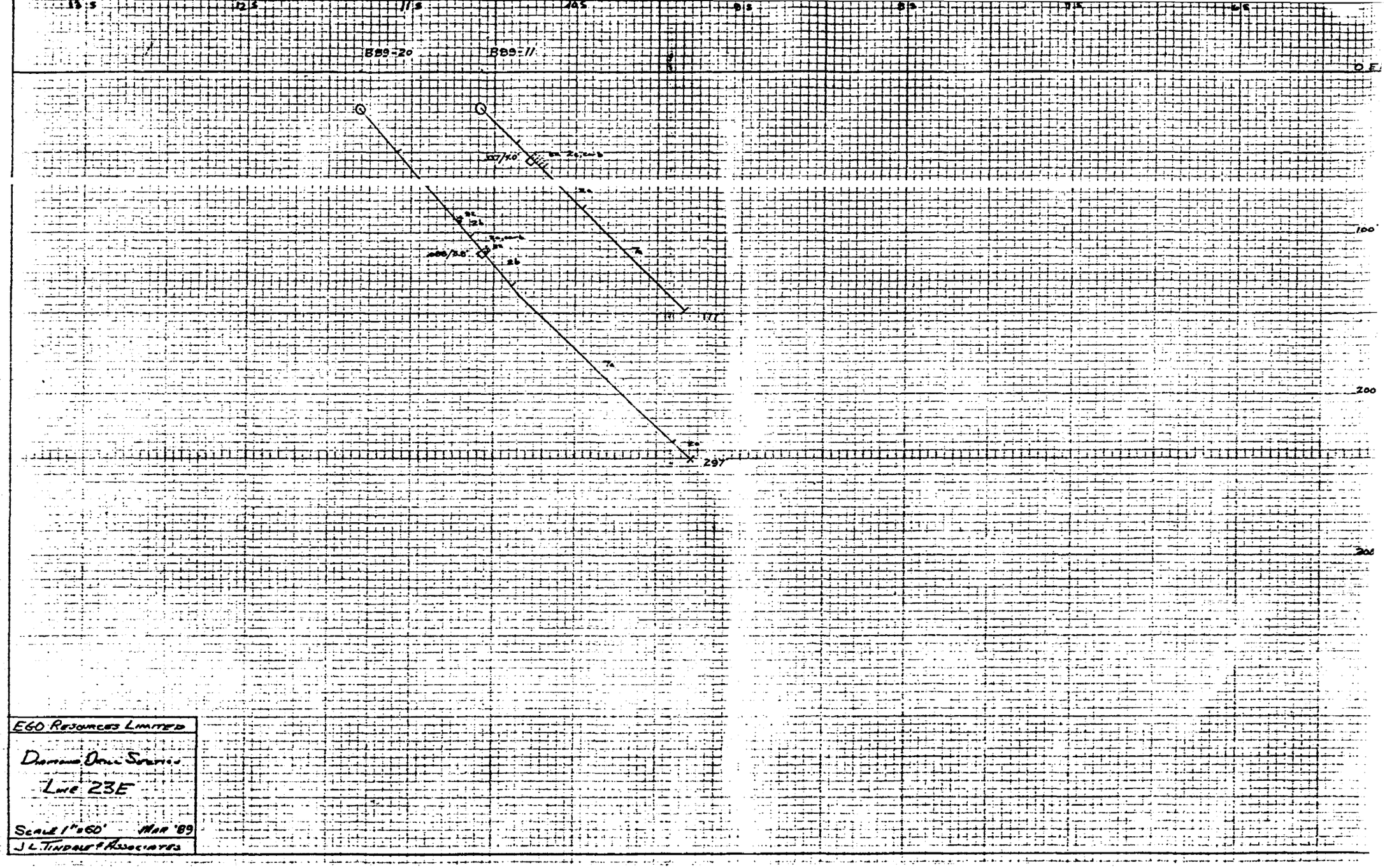
EGO RESOURCES LIMITED

DIAMOND DRILL SECTION

LINE 122 E

SCALE 1" = 50' — MAR '89

J.L. TURNER & ASSOCIATES INC.



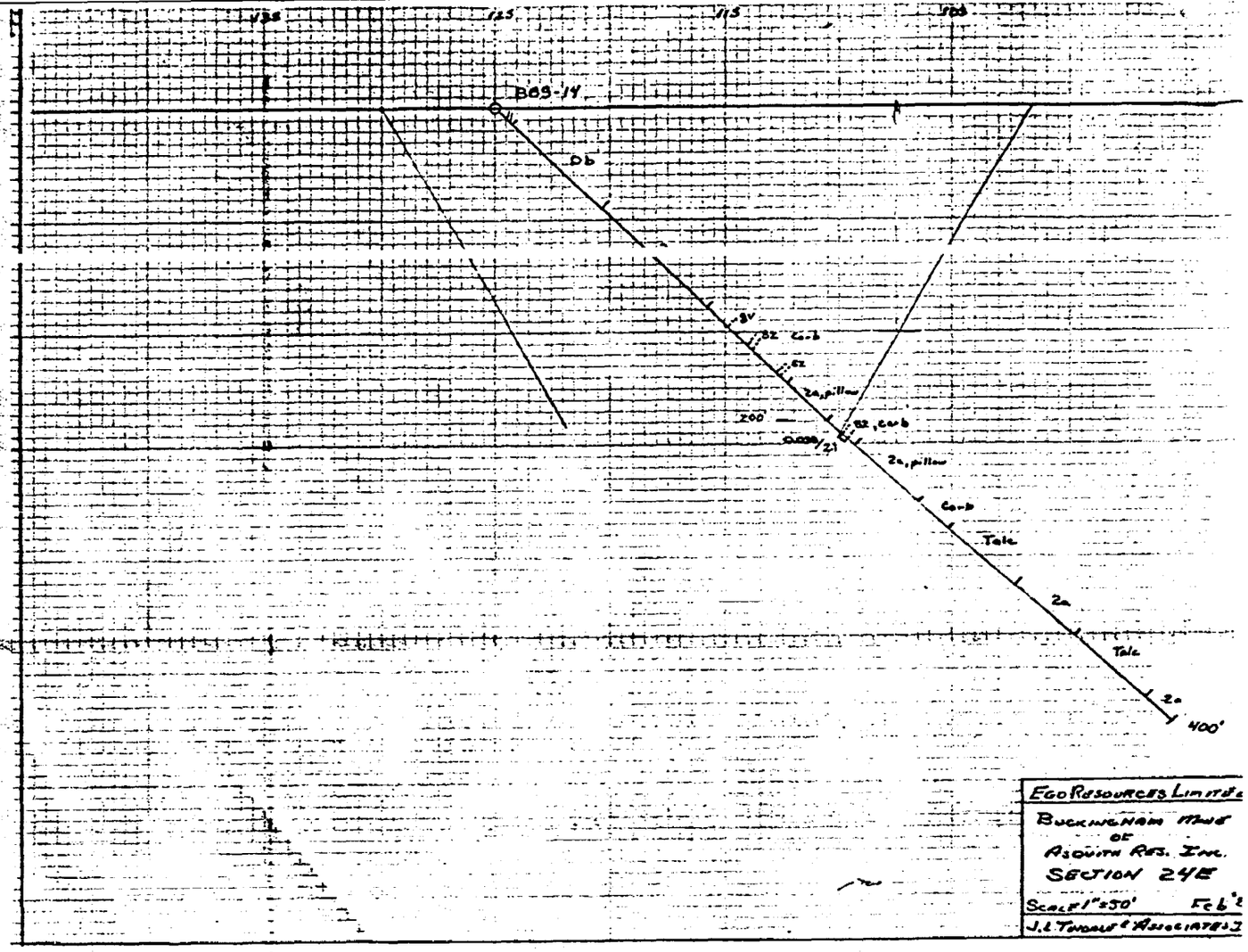
EGO RESOURCES LIMITED

DIAMOND DRILL SECTION

LINE 23E

SCALE 1"=60' MAR '89

J.L. TINDALE & ASSOCIATES



EGO RESOURCES LIMITED
BUCKINGHAM MINE
OF
ASQUITH RES. INV.
SECTION 24E
Scale 1"=50' Feb'
J. L. THOMAS & ASSOCIATES

OM 87-6-C-334

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

(1) MAP ONLY - FIGURE #1, Magnetometer Survey, West Claim Block → See Toronto File # 2.11044. Reports of Work # W8808-038, W8808-114

(2) a) MAP ONLY - FIGURE #1, Magnetometer Survey, N.E. Claims. → See Toronto File # 2.11227. Reports of Work # W8808-121, W8808-122.

b) MAP ONLY - FIGURE #2, Magnetometer Survey, Kubiak Claims.

(3) MAP ONLY. Magnetic Survey, Asquith Township Property. → See Toronto File # 2.11419. Report of Work # W8808-220.

(4) a) MAP ONLY - Fadem Field Strength (contours), Grid B, West Claims. → See Toronto File # 2.12301. Report of Work # W8908-048

b) MAP ONLY - Fadem Dip Angle, Grid B, West Claims

(Continued)

#63. 5501

ON: 82-6-C-334

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

(5) MAP ONLY - Lodem VLF Survey, Dip Angle and Field Strength. Hologden Mine Area, Oct/88. → See Toronto File # 2.13903. Report of Work # w9108-00033.

(6) a) MAP ONLY - Geological Survey, Claims L.918977 to 918983, Aug./88. → See Toronto File # 2.11844. Report of Work # w8808-416.

b) MAP ONLY - Lodem VLF, Field Strength (Contours), Grid D, March/88.

c) MAP ONLY - Lodem VLF, Dip Angle, Grid D, March/88.

(7) DDH's #K89-1 to K89-4, Asquith Resources Inc., Asquith Tp.; K.W. Johnson, Jan./89. → See Toronto File ASQUITH TP. DDR #33. Report of Work #w8908-206.

(8) DDH's #B89-3 B89-4, B89-7, B89-9 to B89-17, B89-20. Asquith Resources Inc., K.W. Johnson, J.L. Tindale, Jan-Feb/89. → See Toronto File ASQUITH TP. DDR #35. Report of Work #w8908-206.

CHURCHILL TOWNSHIP

FAWCETT TOWNSHIP

ASQUITH TOWNSHIP

N

LEGEND

- qv——— Quartz Vein
- —SZ Shear Zone
- 50' Shaft, depth in feet
- Faults & Major Shear Zone
- Pit
- Trench
- D.D.Hole

GOSSELIN VEIN

QUARTZ PORPHYRY STOCK

CARBONATE SHEAR

CLARKE VEIN

SHINNING TREE

DOWNEY VEIN

DOWNEY GROUP

HOLDING VEIN

HOLDING GROUP

JESSE JAMES VEIN

BUCKINGHAM VEIN

BUCKINGHAM MINE GROUP

KUBIAK GROUP

HOLOGDEN GROUP

Shining Tree Lake

Jesse James Lake

Stewart Lake

Macdonald Lake

Pike Lake

Buckingham Road

Trail

Power line

560

0 1/4 1/2 MILE

ASQUITH RESOURCES INC.

PROPERTY LOCATION MAP

ASQUITH TOWNSHIP

Revised Mar, 1989

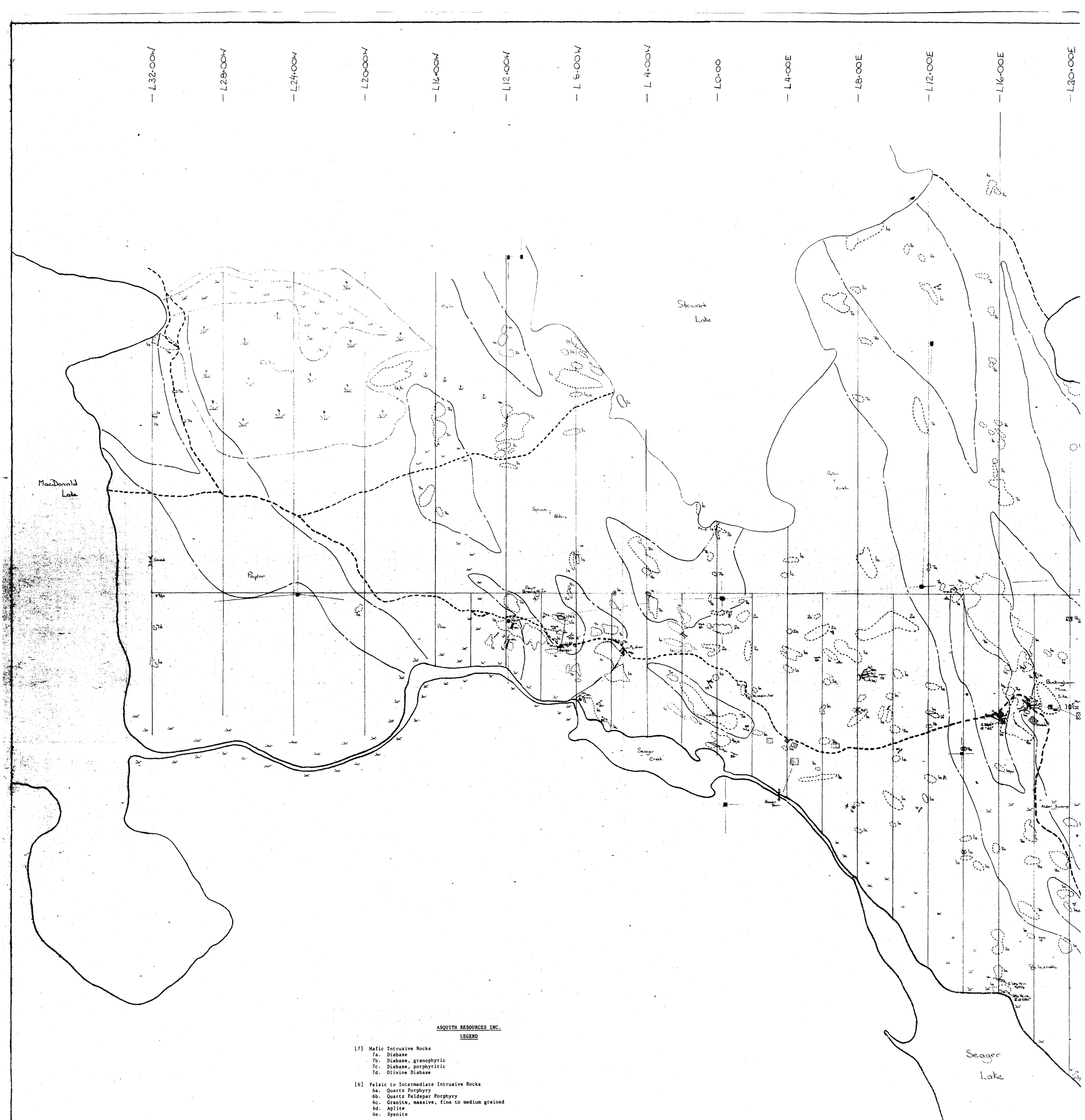
MAY 1987 FIGURE 2

OM87-334 63.5501

41P11SE0152 63.5501 ASQUITH

200

L32+00W | L28+00W | L24+00W | L20+00W | L16+00W | L12+00W | L 8+00W | L 4+00W | L0+00 | L 4+00E | L 8+00E | L12+00E | L16+00E | L20+00E



ASQUITH RESOURCES INC.

LEGEND

[7] Mafic Intrusive Rocks
- 7a. Diabase
- 7b. Diabase, granophyric
- 7c. Diabase, porphyritic
- 7d. Olivine Diabase

[6] Felsic to Intermediate Intrusive Rocks
- 6a. Quartz Porphyry
- 6b. Quartz Feldspar Porphyry
- 6c. Granite, massive, fine to medium grained
- 6d. Aplite
- 6e. Syenite

[5] Ultramafic Intrusive Rocks
- 5a. Serpentinite
- 5b. Diorite
- 5c. Gabbro

[4] Metasediments
- 4a. Chert
- 4b. Sulfide Iron Formation
- 4c. Oxide Iron Formation
- 4d. Argillites
- 4e. Greywacke
- 4f. Arkose

[3] Felsic Metavolcanics
- 3a. Flows, massive
- 3b. Flows, porphyritic, foliated
- 3c. Tuffs

[2] Intermediate Metavolcanics
- 2a. Flows, massive
- 2b. Flows, pillowed
- 2c. Tuffs
- 2d. Agglomerate

[1] Mafic Metavolcanics
- 1a. Flows, massive, fine-medium grained
- 1b. Flows, massive, coarse-grained
- 1c. Pillowed Flows
- 1d. Flows, porphyritic
- 1e. Flows, foliated
- 1f. Tuffs
- 1g. Amphibolite
- 1h. Chlorite Schist
- 1i. Flows, silicified, carbonatized
- 1j. Pillow Breccia
- 1k. Trachyte

OM87-334 63.5501

ASQUITH RESOURCES Inc.

GEOLOGY MAP

BUCKINGHAM MINE PROPERTY

Grid 'A'

Asquith Township

Shining Tree, Ontario

Scale 1"=200' Geology By: K.W.S.

J. J. Riddle and Associates Inc.

210

Sept. 88

PERIDOTITE

B.T.#1 - 12" Poplar - 4" blaze + nail.

"B" VEIN (at surface)

99.35'

Trench

1+18W · 12/2.5'

157°30'

PT. 200W Elv. - 0.74

PT. 265W Elv. - 4.70'

1950 DDH E.B. Jones

· 084/8.2'

· 052/6.0'

#8 · 475/2.1'
#1 · 047/4.5'
#7 · 058/2.8'
#9 · 437/2.4'

889-18 Elv. - 3.93'

"B" VEIN (-100')

· 275/8.4'

· 063/7.6'

· 080/7.4'

DIABASE DYKE

#1 · 217/8.9'
#7 · 031/3.2'

· 099/4.0'

889-2,2A Elv. - 1.28

889-21 Elv. - 7.40'

· 064/3.8'

· 051/6.4'

889-19 Elv. - 8.04

889-1 Elv. - 8.80'

· 125/3.2'

889-8 Elv. - 12.62'

#8 · 076/2.3'
· 063/4.3'

· 058/4.2'

"C" VEIN (-100')

#7 · 217/8.5'
#12 · 544/0.5' (· 052/6.4')

0.76/3.7'

· 507/8.9'

"D" VEIN (-100')

DIABASE DYKE

PERIDOTITE

889-7 Elv. - 15.66'

889-16 Elv. - 18.25'

889-10 Elv. - 21.22'

· 136/2.6' (· 070/6.0')

889-9 Elv. - 21.57

889-4 Elv. - 21.39'

#9 · 475/1.4' (· 118/7.0')
#12 · 024/3.5'

"E" VEIN (-100')

· 038/2.1'

· 088/3.8'

· 137/4.0'

889-11 Elv. - 22.74'

889-17 Elv. - 22.70'

889-15 Elv. - 22.25'

889-12 Elv. - 22.89'
#13 · 050/8.8'

889-20 Elv. - 22.96'

889-13 Elv. - 23.21

889-14 Elv. - 23.76'

DIABASE

N

To Hwy #640

TRS 3664

TRS 2461

L. 980037

L. 980038

208.86'

889-3 Elv. - 8.69'

Legend

- 1989 Diamond Drill Location
- Inclined Shaft
- Pit
- Survey Point, 2" x lagging stake & nail.
- Bearing Tree
- Underground Workings; projected to surface & survey points
- Trail
- Grid Line
- Claim Post

L14E L16E L18E L20E L22E L24E

Ego Resources Limited

Survey Plan of the 1989 Diamond Drill Program

Asquith Resources Inc.

Buckingham Hire

February 1989 Scale 1 inch = 50 feet.

OM87-334. 63.5501

OM87-334 63-5501

ASQUITH RESOURCES INC

RADEM (VLF) SURVEY

Tx. STA | CM, AM

GRIDS A + C

POSITIVE / NEGATIVE

-6 — IN PHASE PROFILE

INTERMEDIATE PLOTTING — CROSSOVER

+6 — IN PHASE

1" = 20'

ASQUITH TUR- CHIMING TREE
ONTARIO, DIST. SUDBURY
LARDER LAKE M. O.

SCALE 1"= 200' MARCH 1988

J. L. TINDALE + ASSOCIATES INC

claim post
claim line
Road
LAKE
CREEK

N

4 000N
2 000N

L.1
.L1

GRID "A"

L14E L16E L18E L20E L22E L24E L26E L28E L30E L32E

WILDDOG LAKE

973354 973355

L10E L12E

L6E L8E

STEWART LAKE

Skidoo Trail

GRID "A"

2000N L16W L14W L12W L10W

1800N L8W L6W L4W L2W L0 L2E L4E

1600N

1400N

1200N

1000N

800N

600N

400N

200N

B @ 270°

200S

400S

600S

800S

1000S

1200S

1400S

1600S

1800S

2000S

2200S

2400S

2600S

2800S

3000S

3200S

3400S

3600S

3800S

4000S

4200S

4400S

4600S

4800S

5000S

Road

STEWART LAKE

980037 980038

980038 980039

979557 979554

SEAGAR "PIKE" LAKE

PIKE LAKE

CREEK

L16W L14W L12W L10W L8W L6W L4W L2W L0 L2E L4E L6E L8E L10E L12E L14E L16E

GRID A

L6W L4W L2W L0 L2E L4E L6E L8E L10E

GRID C

OM87-334 63.5501

ASQUITH RESOURCES INC.

RADEM SURVEY STA. CM

150
170
200 — FIELD STRENGHT

ASQUITH TWP., SHINING TREE
ONTARIO, DIST. SUDBURY
LARDER LAKE M. D.
NTS 41-P-11

GRIDS A & C

SCALE 1" = 200' MARCH 1988

J. L. TINDALE & ASSOCIATES INC

L16W L14W L12W L10W L8W L6W L4W L2W L0 L2E L4E

2000N 1800N 1600N 1400N 1200N 1000N 800N 600N 400N 200N

B @ 270°

0 200S 400S 600S 800S 1000S 1200S 1400S 1600S 1800S 2000S 2200S 2400S 2600S 2800S 3000S 3200S 3400S 3600S 3800S 4000S 4200S 4400S 4600S 4800S 5000S

L16W

L6E L8E L10E L12E L14E L16E L18E L20E L22E L24E L26E L28E L32E L36E

3000N 2800N 2600N 2400N 2200N 2000N 1800N 1600N 1400N 1200N 1000N 800N 600N 400N 200N

B @ 90°

0 200S 400S 600S 800S 1000S 1200S 1400S 1600S 1800S 2000S 2200S 2300S (1300N)

1200N 1000N 800N 600N 400N 200N

B @ 270°

0 200S 400S 600S 800S 1000S 1200S 1400S

L6W L4W L2W L0 L2E L4E L6E L8E L10E

B @ 90°

GRID C

OM87-334 63.5501

ASQUITH RESOURCES INC

RADEM SURVEY Tx Stat C.M
A.M

swamp
claimpost
creek
Road

1"= 200'
1"= 20°

X OVER
South Dip
NORTH Dip
GRID A, B, & D

WEST CLAIM B1.

ASQUITH Twp., SHINNING TREE ONTARIO
DIST. SUDBURY, LARDER LAKE M.D. MARCH/89
J.L TINDALE & ASSOCIATES INC

GRID D

L24W L20W L16W L12W L8W L4W LO

GRID A

12+00S
14+00S
16+00S
18+00S
26+00N
24+00N
22+00N
20+00N
18+00N
16+00N
14+00N
12+00N
10+00N
8+00N
6+00N
4+00N
2+00N
BL 90°
2+00S
4+00S
6+00S
8+00S
10+00S
12+00S
14+00S
16+00S
18+00S
20+00S
22+00S
24+00S
26+00S
28+00S

MacDONALD LAKE

MacDONALD LAKE

McELDING Road

935312

Road

EAST DIP

WEST DIP

L16W L12W L8W L4W LO L2E L4E L6E L8E L10E L12E L14E L16E L18E

GRID "B"

LO L32W L28W L24W L20W L16W

GRID "A"

250

GRID 'D'

L24W L20W L16W L12W L8W L4W L0

L20W/235

GRID 'A'

L32W L28W L24W L20W L16W

L16W L12W L8W L4W L0 L2E L4E L6E L8E L10E L12E L14E L16E L18E

GRID B

L0

GRID D

L32W L28W L24W L20W L16W

GRID A

ASQUITH RESOURCES INC

RADEM (VLF) SURVEY Tx. STA. CM, AM

GRID A, B & D

160
170
180

CONTOUR INTERVAL : 20%

FIELD STRENGHT. (%)

WEST CLAIM BLOCK

ASQUITH TWP. SHINING TREE

ONTARIO DIST. SUDBURY

LARDER LAKE M.D.

NTS 41-P-11

SCALE 1" = 200' MARCH 1988

J. L. TINDALE & ASSOCIATES INC

OM87-334 63-5501

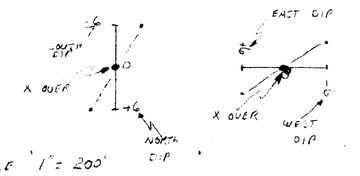
N

260

OM87-334 63.5501

ASQUITH RESOURCES INC

RADEM SURVEY Tx. STA CM
GRID "D" EXTN. E AM



GRID SCALE 1" = 200'

PROFILE SCALE 1" = 20'

ASQUITH TWP SHINING TREE
ONTARIO DIST. SUDBURY
LARDER LAKE M.D.

J. L. TINDALE & ASSOCIATES INC

■ - CLAIM POST
⌒ - LAKE SHORE

N

L28E L32E L36E L40E L44E L48E L52E L56E L60E L64E L68E 72E

18N

1800N 1600N 1400N 1200N 1000N 800N 600N 400N 200N B@ 90° 200S 400S 600S 800S 1000S 1200S 1400S 1600S 1800S 2000S 2200S 2400S 2600S 2800S 3000S 3200S

CK

919019 919020 919025

STEWART LAKE

WILD DOG LAKE

919026

973353 973354

Skidoo TRAIL

20S 30 32S

OM87-334 63-5501

GRID "D" EXT'N. E.

ASQUITH RESOURCES INC

RADEM SURVEY Tx sat C.M;AM

CONTOUR INTERVAL 10%

FIELD STRENGTH %

ASQUITH Twp., SHINNING TREE

ONTARIO, Dist. Sudbury

LARDER LAKE MD NTS 41-P-11

SCALE 1"=200' MARCH/1988

J.L Tindale & Associates Inc

N

30+00N 28+00N 26+00N 24+00N 22+00N 20+00N 18+00N 16+00N 14+00N 12+00N 10+00N 8+00N 6+00N 4+00N 2+00N B 90° 2+00S 4+00S 6+00S 8+00S 10+00S 12+00S 14+00S 16+00S 18+00S 20+00S 22+00S 24+00S 26+00S 28+00S 30+00S 32+00S

L28E L32E L36E L40E L44E L48E L52E L56E L60E L64E L68E

1800N 1600N 1400N 1200N 1000N 800N 600N 400N 200N B @ 90° 2+00S 4+00S 6+00S 8+00S 10+00S 12+00S 14+00S 16+00S 18+00S 20+00S 22+00S 24+00S 26+00S 28+00S 30+00S 32+00S

30+00N
28+00N
26+00N
24+00N
22+00N
20+00N
18+00N
16+00N
14+00N
12+00N
10+00N
8+00N
6+00N
4+00N
2+00N
0+00 @ 90° "A" Grid
2+00S
4+00S
6+00S
8+00S
10+00S
12+00S
14+00S
16+00S
18+00S
20+00S
22+00S
24+00S
26+00S
28+00S
6+00W
4+00W
2+00W
0+00 @ 90° "C" Grid
2+00S
4+00S
6+00S
8+00S
10+00S

136+00E
132+00E
128+00E
124+00E
120+00E
116+00E
112+00E
108+00E
104+00E
100+00
96+00W
92+00W

Caput Lake
Seager Lake
Stewart Lake
Seager Creek
Cedar Square
Birch Square
Alder Square
Lakeview Ridge
Lakeview Road
Buckeye Hill
Fire Site
Dock
Beaver Dam
Beaver Pond
Beaver Creek
Beaver Meadow
Beaver Lodge
Beaver Cut
Beaver Cut Off
Beaver Cut Off Creek
Beaver Cut Off Pond
Beaver Cut Off Meadow
Beaver Cut Off Lodge
Beaver Cut Off Dam
Beaver Cut Off Pond
Beaver Cut Off Meadow
Beaver Cut Off Lodge
Beaver Cut Off Dam