



42C12NW0150 17 MOLSON LAKE

010

Diamond Drilling

Area Molson Lake

Report NO 17

Work performed by: Bel-Air Resources Ltd.

Claim NO	Hole NO	Footage	Date	Note
TB 624275	BA-1	136.20m	Aug/82	(1) (2)
	BA-2	150.10m	Sept/82	(1) (2)
TB 624270	BA-3	137.49m	Sept/82	(1) (2)
TB 624269	BA-4	188.06m	Sept/82	(1) (2)
	BA-5	106.90m	Sept/82	(1) (2)
	BA-6	105.77m	Sept/82	(1) (2)
TB 624267	BA-7	73.76m	Sept/82	(1) (2)
	BA-8	121.00m	Sept/82	(1) (2)

Notes: (1) #28-83 Also submitted as #4-83 - Sault St. Marie
(2) OMEP Submittal: OM82-4-C-47



42C12NW0150 17 MOLSON LAKE

020

PROGRESS REPORT
OF
BEL-AIR RESOURCES LTD
HEMLO AREA
DISTRICT OF THUNDER BAY
ONTARIO

Timmins, Ontario
December 20, 1982

By: David R. Bell, B. Sc., F.G.A.C.
Consulting Geologist

I

SUMMARY

Bel-Air Resources Limited owns a 36 claim gold prospect in the Hemlo area of Ontario. Two apparently economically viable gold discoveries have been made in the area within the past year. These discoveries are believed to be stratigraphically controlled and are associated with sulphide mineralization.

The Bel-Air property is mapped as being located on the same volcanic-sedimentary belt as hosts the two discoveries. The property is underlain by a series of mafic to felsic volcanics and sediments similar to those on the discovery properties.

A geophysical survey has been completed on the Bel-Air claim group with two good V.L.F. electromagnetic conductors. These conductors were drilled, but failed to reveal any mineralization of economic significance.

It is proposed herein, to carry out a detailed geological and geochemical survey over the Bel-Air claim group.

II

INTRODUCTION

David R. Bell Geological Services Inc. was commissioned by Bel-Air Resources Ltd., through Miss Nell Dragovan, to prepare a report on their 36 claim mining property located at Hemlo, in the District of Thunder Bay, Province of Ontario. The subject property is a gold prospect staked as a result of the recent discovery of potentially economic gold deposits by Long Lac Mineral Exploration, Goliath Gold Mines and International Corona Resources Limited in the area.

Relatively little is known of the detailed geology of this claim group. However, from examination of published geology maps by the Ontario Geological Survey (Map 2452, "Hemlo"), it appears that the claims are underlain in part by a volcanogenic-sedimentary series similar to those hosting the aforementioned discoveries.

This report is based on extensive knowledge of the International Corona and Goliath Gold gold deposits, examination

of the files of the Ministry of Natural Resources in Thunder Bay and several days of logging core during the diamond drill program on the Bel-Air property.

III

PROPERTY

1. Location & Local Services

Location of the Bel-Air claim group is one mile south of the Trans Canada Highway (Ontario Highway 17). The main Canadian Pacific Railway runs east-west across the property.

A 115,000 volt transmission line of Ontario Hydro is situated one mile north of the property.

Timber is cut for dimension lumber in the immediate area. Water for exploration and development should be available from numerous creeks and lakes on the property, while water for potential mining-milling requirements would probably have to be piped from Cache Lake located on the south half on the Bel-Air property.

Labour and housing could be available in the towns of Marathon, 25 miles to the west, White River 30 miles to the east or Manitouwadge 35 miles to the north.

2. Topography

The topography of the claim group is fairly rugged with maximum elevation variations of two-three hundred feet. Rock exposures are good with, it would appear, moderate depths of overburden between outcrops. The terrain appears to be well drained.

Vegetation is dense consisting mainly of poplar, fir, spruce and jack pine along with alder and second growth maple.

3. Status

The Bel-Air Resources property consists of 31 Crown-granted mineral claims. They are located in the Thunder Bay and Sault Ste-Marie Mining Divisions Ontario.

<u>Claim Number</u>	<u>Next Assessment Work Due Date</u>
TB 624241 to TB 624256 inclusive	August 20th, 1983
TB 624261 and TB 624262	August 20th, 1983
TB 624267 to TB 624370 inclusive	August 29th, 1983
TB 624273 to TB 624280 inclusive	August 20th, 1983
SSM 624263 to SSM 624266 inclusive	August 20th, 1983
SSM 624271 and SSM 624272	August 20th, 1983

Assessment credits for 1019.3 meters (3344 feet) of diamond drilling will be accredited towards the above claims advancing the work due date towards 1985.

IV

HISTORY OF EXPLORATION

There is no known previous record of work performed on Bel-Air Resources claims. The writer researched the records in the office of the Resident Geologist (O.M.N.R.) in Thunder Bay and found no record of any work on file.

Considering the ease of access of the property it is probable that some cursory prospecting has been done in the general vicinity. It is almost certain that the volcanic belt within which the property is situated has been covered by airborne geophysical surveys, however any results apparently are not on public record.

Gold was first discovered in the region in 1927 when a C.P.R. employee, Mr. Lecour, is reported to have found gold within a few hundred feet of the railway. (ref. C.M.J. June 1982). The next recorded gold discovery was made in 1945 near Moose Lake some 6 miles south of the Vulcan property.

The original discovery ground west of Moose Lake (the Ollman-Williams claims) is under option to Long Lac Mineral Exploration Ltd.. This Company announced recently (Northern Miner, August 19, 1982) that a diamond drill program had resulted

in outlining a deposit containing 1.8 million tonnes averaging 0.146 oz. Au./Ton over an average width of 77.7 ft. to a depth of 492 ft. below surface.

The area adjoining east of this gold discovery was explored by a number of companies, including Lake Superior Mining Corp., Teck Exploration Co. Ltd. and Ardel Explorations Ltd., in the period from 1947 to 1973 with encouraging but not then economic mineralization located. In 1980-81, this area east of Moose Lake was extensively developed by Corona Resources Ltd. (now International Corona Resources) who drilled over 80,000 ft. 175 holes to the end of 1981. This program resulted in outlining a deposit containing 1.3 million tons at a grade of 0.226 oz. Au./Ton (Company report). The Corona property was subsequently optioned to Teck Corporation Ltd. who are carrying out a feasibility study with a view to placing the deposit into production.

More recently, the Molson Lake Joint Venture (Golden Sceptre Resources and Goliath Gold Mines) adjoining to the north of the Long Lac Mineral ground, have announced that they have located the down-dip continuation of the Long Lac ore-body on the Goliath claims. Impressive widths and grades of mineralization have been encountered with 2 holes reported to have intersected 0.256 oz. Au./Ton & 0.169% MoS₂ and 0.318 oz. Au./Ton & 0.126% MoS₂ over true widths of 88.5 feet and 68 feet, respectively. The most recent published report on the Goliath deposit estimated 2.5 million tons of drill-indicated reserves at a grade of 0.249 oz. Au./Ton.

Noranda Exploration Co. Ltd. have agreed recently to bring the Goliath deposit into production within two years at a rate of 1000 tons per day.

Staking and exploration activity is intense in the area with several companies reported to be diamond drilling or about to start drilling.

Geophysical E.M. and Mag. surveys were completed on the Bel-Air group along with stripping and trenching, earlier reported by H.D. Carlson, 1981.

V

GEOLOGY

1. Regional Geology

The general geology of the Hemlo area is shown on Map 2220, "Manitouwadge-Wawa Sheet", published in 1972, scale: one inch to two miles (O.M.N.R.). In 1978, the southern portion of the area was mapped by Muir and Lafleur and is shown on O.M.N.R. Map 2452, scale: one inch to $\frac{1}{2}$ mile, and described in O.M.N.R. Open File Report (O.F.R.) 5280. The northern portion of the group was mapped and reported on by V.G. Milne (1968) in O.D.M. Geological Report 72, "Geology of the Black River Area".

The dominant rock types appear to be a series of conformably intercalated volcanic formations, as follows:

1. Mafic metavolcanics consisting of flows and their associated pyroclastic units.
2. Intermediate to Felsic metavolcanics mainly pyroclastic
3. Metasedimentary units consisting of siltstones, argillites, laminated clastic wackes, etc., mainly derived from volcanic source areas.

Medium to high grade metamorphism has sufficiently recrystallized these formations and as a result, reliable top determinations are difficult to identify. In general, the rock formations strike east-west and dip steeply to the north. Four identifiable intermediate to felsic intrusive plutons have been named by Muir (et al), the Cedar Lake Pluton, Heron Bay Pluton, Gowan Lake Pluton, and Pukaskwa Gneissic Complex. These plutons have played a major part in the regional metamorphic finger printing of the volcanic suite, as well as locally deforming and fracturing the volcanics with numerous more or less pronounced topographical lineaments, criss-crossing the region in a variety of directions. One of these major lineaments has been called locally the "Hemlo Fault" or "Lake Superior Shear Zone". A portion of the "Lake Superior Shear Zone" has been delineated by diamond drilling on the Corona Resources Ltd. property and has been identified as an altered siliceous, sericitized, tuffaceous agglomerate horizon containing auriferous pyrite zones, with minor amounts of fuchsite, tourmaline and molybdenite, and trace amounts of sphalerite, chalcopyrite and native gold.

Feldspar porphyry and quartz porphyry sill-like masses intrude the volcanic and sedimentary belt locally, and quartz diabase mafic intrusives cross-cut all units in a north-south pattern.

The areomagnetic maps of the region define the general position and trend of the metasedimentary-volcanic belts and distinguish them from the felsic plutons.

2. Local Geology

The local geology is herein described by H.D. Carlson: "More than 80% of the property is underlain by a generally east - west trending sequence of intercalated mafic to sialic volcanic flows and pyroclastic horizons with subordinate bands and discontinuous lenses of volcanoclastic sedimentary rocks. These formations dip steeply north. Small amounts of plutonic granitoid rocks and complex quartzofeldspathic gneisses outcrop in the northwestern and southeastern corners of the claim group, respectively. A number of small quartz - feldspar dikes and sills cut the interlayered volcanic and sedimentary assemblages, as do a number of north trending diabase dikes. Compositional banding in the tuffs and sedimentary rocks is noticeable, but in most rock exposures shearing is not pronounced. Narrow quartz veining parallel to bedding planes in the sediments, and irregular rusty patches in tuffaceous members, appear to be relatively common. One narrow zone of intense shearing was seen in a dark chloritic volcanic rock along a rock cut on the gravel road to the micro-wave tower in the northeastern part of the property."

V1 Discussions of the Diamond Drilling

A diamond drill program was carried out on the Bel-Air Resources Ltd. property to identify anomalies earlier outlined by geophysical surveys, described by H.D. Carlson, 1981.

The drilling was contracted to Morisette Diamond Drill Co., starting August 31, 1982, completing eight (8) holes for a total of 1019.3 meters (3344 feet), and ending on September 22, 1982.

Enclosed herein, are logs, sections and a plan indicating hole locations for the individual logs.

The core recovery was excellent with minimal loss. Mineralized zones and zones, of silicification were split, with the split cores tagged and sent for chemical analysis. Assay values are recorded on the logs with values in gold as grams per metric tonne.

VII

CONCLUSIONS

The anomalous zones as tested by the above diamond drill program were identified as mafic bands of volcanoclastic sediments consisting of varying amounts of disseminated pyrite, with the occasional layer of graphite. Secondary silicification and minor sericite alteration is common.

Gold values within these zones were very low with the highest value assaying at 0.21 gm. per metric tonne (0.006 oz. Au./Ton).

VIII

RECOMMENDATIONS

Although assay results on the Bel-Air property appear to be discouraging, it is the author's opinion that a detailed geological mapping, geochemical sampling and test Induced Polarization program herein be recommended in two phases.

PHASE 1

1. A detailed outcrop geological mapping of the Bel-Air claim group, on a scale of 1 inch= 200 feet.
2. Concurrent with the mapping, prospect and sample the outcrops and shallow overburden areas, paying particular attention to areas of silicification, sulphide mineralization, and other alteration, notably sericitization, fuchsite and tourmaline.
3. A reconnaissance geochemical survey for gold be carried out over portions of the property anticipated to be most favourable as revealed by 1 and 2 above. Samples to be taken at 100 foot intervals on the control grid.
4. Run trial induced polarization ("I.P.") surveys over any of the areas of interest disclosed by 1, 2 and 3 above.
5. Strip, trench and sample all areas of interest disclosed by 1,2,3 and 4 above.

PHASE II

Assuming that the results of Phase I reveals areas of promising gold mineralization, an allowance is made for diamond drilling of favourable targets.

1. An allowance of 5000 feet of A.Q. drilling.

IX ESTIMATED COST OF RECOMMENDED PROGRAMS

Phase I

1.	Detailed geological mapping: 36 miles @ 400.00 per mile	\$14,400.00
2.	Prospecting & Sampling: 1 prospector for one month 200 samples @ \$20.00 each	3,000.00 4,000.00
3.	Geochemical survey: 1 sampler for one month 800 samples @ \$9.00 each	3,000.00 7,200.00
4.	IP Survey Trail 7 miles @ \$1000.00 per mile	7,000.00
5.	Stripping, trenching, sampling: Stripping & trenching : 2,000 feet @ \$5.00 per foot Sampling: 1,000 feet @ \$3.00 per foot Assaying : 200 @ \$20.00 each	10,000.00 3,000.00 4,000.00
6.	Supervision, drafting, reports and overhead	12,000.00
7.	15% Contingencies	<u>10,140.00</u>
	Total Cost Phase I	<u>\$77,740.00</u>

Phase II

1.	Diamond Drilling 5,000 feet @ \$25.00 per foot	\$125,000.00
2.	Assaying 400 samples @ \$20.00 each	8,000.00
3.	Engineering, supervision, & Reports 30 days @ \$400.00 per day	12,000.00

4.	Contingencies @ 15%	<u>22,000.00</u>
	Total Cost Phase II	<u>\$167,000.00</u>

Respectfully submitted



Timmins, Ontario
December 20, 1982

David R. Bell, F.G.A.G
Consulting Geologist.

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March 8, 1950 Outline of Diamond Drilling Results on Hemlo, Ontario Property.

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| Page, Trevor W
August 21, 1950 | A report on the property of Lake Superior Mining Corporation Limited Hemlo Area, Ontario
Unpublished report |
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unpublished |
| Gryba, C.
Esson, D.W. | Preliminary Report on Ore Reserves: Feasibility & Exploration Development for Corona Resources Limited, Hemlo Project, Ontario
Unpublished. |

MAP REFERENCES

Preliminary Map No. P 494

Manitouwadge Sheet
Ontario Department of Mines
Districts of Thunder Bay and Algoma
Scale: 1" to 2 miles

Map 2220

Geological Compilation Series
Manitouwadge - Wawa Sheet
Ministry of Natural Resources - Ontario
Scale: 1" to 4 miles

Preliminary Map No. P 2304

Geological Series
Hemlo Area (Northern Half)
Ontario Geological Survey
Scale: 1" to $\frac{1}{2}$ mile

Map 2452, Hemlo


Pre-Cambrian Geology Series
Ontario Geological Series
Scale: 1" to $\frac{1}{2}$ mile

C E R T I F I C A T E

I, David R. Bell, hereby certify:

1. that I am a consulting geologist employed by David R. Bell Geological Services Inc., Suite 6, 251 Third Avenue, Timmins, Ontario.
2. That I am a graduate of Carleton University, Ottawa Ontario, with a degree Bachelor of Science (B.Sc.) in geology, 1973.
3. That I have been practicing my profession as a geologist continuously since 1973.
4. That I am a Fellow of the Geological Association of Canada (1981), and a Member of the Canadian Institute of Mining and Metallurgy.
5. That I do not have, nor do I expect to receive, neither directly or indirectly any interest in the properties described in this Report, nor in the securities of Bel-Air Resources Limited.
6. That this Report is based on an examination of the property area in the fall of 1981, on extensive work in the area during 1981 and 1982 as consulting geologist for a number of Companies including, Bel-Air Resources Ltd., Corona Resources, and the Molson Lake Joint Venture (Goliath Gold Mines Limited and Golden Sceptre Resources Limited), and that a diligent effort has been made to obtain all records and technical data pertinent to the property.

Timmins, Ontario
December 20, 1982


David R. Bell, (B.Sc.)
Consulting Geologist.

Drill Hole BA-1Drilled by MorrisetteLogged by R. Kemp

24275

Page 1Latitude 48 + 00 WestBearing 180°Elevation SurfaceDate Started Aug. 31/82Departure 12 + 10 SouthDip -50° 60.0m = -35°
121.9m = -30°Length 136.20 metresDate Finished Sept. 2/82

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.		From	To
0	0.6	Casing.						
0.6	15.77	<u>Intermediate Volcanic</u> - Thinly foliated unit, foliation expressed by quartz carbonate veins. Less than 1% pyrite, disseminated. Quartz carbonate random throughout section, ie. 14.74 - 14.84 m.. Feldspar porphyry (chalk white) in a fine grained mafic groundmass (green) - lapilli tuff. ie. 15.66 - 15.77 m. sulphide concentration evident @ lower content.						
15.77	16.78	<u>Sediment</u> - Dark, fine grained argillaceous unit, pyrite, pyrrhotite, as blebs and dissemination along hairline fracture parallel to bedding.	21632	1.01	Trace		15.77	16.78
16.78	19.31	<u>Sediment</u> Pyrite & pyrrhotite approximately 5% concentration heavily towards upper contact as blebs & lenses occurring along hairline fracture, lower contact is fractured & filled by quartz carbonate.	21622	0.53	Trace		16.78	17.31
			21633	1.00	Trace		17.31	18.31
			21634	1.00	Trace		18.31	19.31
19.31	20.36	<u>Intermediate Volcanic</u> - Green fine grained, interbedded lapilli tuff (feldspar phenocrysts - lapilli?) Foliation 65°. Pyrite, pyrrhotite less than 1% as dissemination.	21635	1.05	0.07		19.31	20.36
20.36	21.21	<u>Sediment</u> - Fine grained, choritized argillaceous sediment 5-10% pyrite, pyrrhotite as stringers, blebs, dissemination.	21623	0.85	Trace		20.36	21.21

Drill Hole BA-1Drilled by MorrisetteLogged by R. KempPage 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.		From	To
21.21	21.46	<u>Intermediate Volcanic</u> - Interbedded felsic tuff bands and chloritized intermediate volcanic zones. Trace pyrite as disseminations.						
21.46	22.98	<u>Sediment</u> - Pyrite, pyrrhotite accumulation, 5-10% as stringers, blebs & dissemination. Well foliated unit intermittent quartz carbonate zones.	21624	1.52	Trace		21.46	22.98
22.98	27.68	<u>Intermediate Volcanic</u> 22.98 - 26.15 - angle foliation to core 70°, less than 1% disseminated pyrite, pyrrhotite. 26.15 - 26.29 - heavily laden zone, 30% pyrite, pyrrhotite (25% pyrrhotite, 5% pyrite) 26.29 - 27.68 - green, medium grained, intermediate volcanic with intermittent swirls of quartz carbonate.	21636	1.00	0.07		22.98	23.98
			21625	0.14	Trace		26.15	26.29
27.68	29.57	<u>Sediment</u> 27.68 - 28.17 - quartz stringers & veinlets @ 27.68 - 27.73, blebs of pyrite & wall rock within vein material. 28.17 - 29.57 - alternating mafic & felsic banding less than 1 cm. thick, schistosity to core axis = 70°. Fine disseminated pyrite 0.01 to 0.03%.						
29.57	46.91	<u>Intermediate Volcanic</u> 29.57 - 36.48 - fine grained, faint schistosity, 0.01% pyrite. 36.48 - 36.55 - mafic tuff.						

Drill Hole BA-1

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
		36.55 - 37.59 - mafic fine grained 37.59 - 37.73 - as above with quartz carbonate veining. Angle foliation to core axis = 75°.						
46.91	48.54	<u>Agillaceous Sediment</u> - Very fine grained, well foliated, expressed by light & dark banding. Angle bedding to core axis = 75°. Several mafic tuff beds occur throughout 47.07 - 47.11, 47.28 - 47.30, 47.34 - 47.37, 47.62 - 47.64, 48.47 - 48.54.						
48.54	50.67	<u>Intermediate Volcanic</u> - Dark, -medium to fine grained, interbedded mafic tuffs & quartz carbonate veins & fractures.						
50.67	50.91	<u>Quartz Feldspar Porphyry</u> - Pyrite less than 1%, porphyritic, less than 1 mm. in size.						
50.91	51.58	<u>Intermediate Volcanic</u> - Mafic/ massive / many cross-cutting carbonate fractures, very slightly magnetic. Quartz vein @ 50.98 - 51.05.						
51.58	52.11	<u>Quartz Feldspar Porphyry</u>						
52.11	58.38	<u>Intermediate Volcanic</u> - Greenish grey in color/fine to medium grained with interbedded (thinly) quartz feldspar porphyry & quartz carbonate veining.						
58.38	80.25	<u>Intermediate Volcanic</u>						

Drill Hole BA-1

Drilled by _____

Logged by _____

Page 4

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
80.25	136.2	<p>- Hematized quartz carbonate veining plus hematized wallrock. 0.01% pyrite, fine grained.</p> <p><u>Intermediate Volcanic</u></p> <p>- Hematized intermediate volcanic along hairline fracture.</p> <p>111.85 - 112.51 - feldspar porphyry.</p>						

Drill Hole BA-2Drilled by MorrisetteLogged by R. Kemp

624275

Page 1Latitude 9 + 41 SouthBearing 180°Elevation SurfaceDate Started Sept. 3/82Departure 40 + 00WestDip 60.96M. (200') -38.5°Length 150.10 metresDate Finished Sept. 4/84121.92M. (400') -34°Collar -45°

DESCRIPTION

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
0	5.49	Casing.						
5.49	38.61	<u>Bedded Sediments</u> - Arkosic to argillaceous, bedding ranges from several mm. to 7 cm., bedding expressed by alternating felsic tuffaceous horizons; lapilli tuff horizons and darker arkosic units. Lapilli are commonly less than 5 mm. The mafic constituent of the darker bands are biotite and amphibole. Quartz carbonate veins occur randomly parallel to bedding. Smaller hairline fractures cross-cut randomly. These range from white to pinkish-red due to hematization. Hematization also imparts a red color to the core obliterating any previous fractures, cross-cutting hairline fractures are quite common to these zones. Chloritization is common in the same manner. 7.10 - 7.62 - hematized. 16.55 - 16.71 - quartz carbonate veining. 16.16 - 16.21 - quartz carbonate veining. 15.62 - 15.48 - quartz carbonate veining. 15.28 - 15.36 - quartz carbonate veining. 20.64 - 20.69 - quartz carbonate veining. 26.52 - 26.63 - chloritic quartz carbonate veining. 28.06 - 28.16 - chloritic quartz carbonate veining. 20.42 - 28.74 - zone of chloritic & hematite alteration along hairline fractures 28.74 - 29.72 - well bedded alternating mafic and felsic beds. Angle of bedding to core =70°. 29.72 - 30.65 - zone of chloritic alteration along hairline fracture removing all original						

Drill Hole BA-2

Drilled by _____

Logged by _____

Page 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
		fractures, ie. bedding. Angle of bedding to core = 70°.						
		30.63 - 31.46 - hematized zone, red in color with quartz carbonate vein - chloritized.						
		31.46 - 33.36 - chloritized hairline fracture zone. 33.29 - 33.36 - chloritic quartz carbonate vein.						
		33.96 - 34.89 - faint presence of quartz feldspathic tuff zones, beds commonly less than 3 cm. Angle of bedding to core = 70°.						
		35.58 - 36.44 - mafic unit with minor quartz carbonate veining.						
		36.44 - 37.41 - chloritized hazy section, numerous hairline fractures and wisps of carbonate.						
		37.41 - 38.61 - bedded sediment, thinly bedded.						
38.61	39.27	<u>Feldspar Porphyry</u> - Phenocrysts less than 5 mm. in size making up 1-2% of total unit, quartz carbonate vein at 39.20 - 39.27. Minor hematization of phenocrysts and groundmass.						
39.27	39.77	Ghost relics of feldspar phenocrysts faintly present.						
39.77	49.60	<u>Intermediate Volcanics</u> - Massive in appearance, light green in color due to the presence of amphibole. Chlorite occurs interstitially. Occasional quartz feldspathic units (white phenocrysts, 1-5 mm. in size) Hematization						

Drill Hole BA-2

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.		From	To
		is local and associated to hairline fractures, commonly cross-cutting the foliation. 40.19 - 40.22 - quartz carbonate vein. 43.11 - 43.80 - quartz carbonate vein @ high angle to core axis. 45.53 - quartz carbonate vein.						
49.16	49.60	<u>Transition Zone</u> - Chloritized zone, bedding (?) broken, interswirl- ed with quartz carbonate swirls. Zone increases in the intensity of fracturing with depth.						
49.60	52.82	<u>Disheveled & Fractured Zone with intercalated quartz carbonate injections.</u> First sign of sulphide concentration @ 49.90 and continues throughout section as blebs, lenses and disseminations of pyrite & pyrrhotite. Less than 5% sulphides. Quartz veining @ 50.90 (5cm. wide) Quartz veining @ 52.16 - 52.23	21626 21627 21628	1.22 1.03 0.99	Trace Trace Trace		49.60 50.82 51.83	50.82 51.83 52.82
52.82	54.78	Faintly laminated but obscured by wispy chloritic alteration cross-cutting foliation.						
54.78	57.00	Feldspar porphyry, phenocrysts less than 5 mm. making up 3% of total zone.						
57.00	57.48	Falling out of porphyry unit - ghost relics of feldspar faintly present.						
57.48	58.48	Fine grained argillaceous unit, chloritized, sulphides occur as fine dissemination and along fracture parallel to bedding. Pyrite & pyrrhotite less than 3%.	21629	1.00	Trace		57.48	58.48
58.48	61.10	Argillaceous Sediments with interbedded cherty zones providing a sense of foliation, minor	21630	1.16	Trace		58.48	59.64

Drill Hole _____

Drilled by _____

Logged by _____

Page 4

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.		From	To
		<p>sulphides less than 1%, pyrite & pyrrhotite occurring as lenses, blebs and disseminations.</p>						
61.10	61.80	Thinly bedded argillaceous sediments. Less than 2% sulphides, pyrite & pyrrhotite occurring as disseminations, blebs & small lenses.	21631	0.76	0.07		61.10	61.86
61.86	64.85	<p>Thinly laminated argillaceous sediment, trace pyrite, pyrrhotite.</p> <p>62.94 - 63.04 - quartz carbonate veining with trace pyrite, pyrrhotite.</p>						
64.85	71.16	<p>Darker, fine to medium grained sediment, minor beds of calcitic material provides a sense of foliation.</p> <p>67.01 - 67.08 - quartz carbonate veining with trace pyrite, pyrrhotite.</p> <p>67.17 - 67.27 - quartz carbonate veining with trace pyrite, pyrrhotite.</p> <p>68.56 - 68.61 - quartz carbonate veining with trace pyrite, pyrrhotite.</p> <p>69.61 - 69.63 - quartz carbonate veining with trace pyrite, pyrrhotite.</p> <p>69.73 - 69.76 - quartz carbonate veining with trace pyrite, pyrrhotite.</p>						
71.16	87.47	<p>Mafic in composition, coarser grained, amphibole & biotite exist providing a more mafic looking zone Biotite commonly occurs in coarser grained horizons Hairline fractures of calcitic material cross-cut foliation.</p> <p>Feldspar porphyry occur with phenocrysts. White to pinkish-white in color. Less than 3 mm. in size.</p> <p>72.93 - 73.93 - feldspar porphyry.</p>						

Drill Hole BA 2

Drilled by _____

Logged by _____

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Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
		74.10 - 74.35 - feldspar porphyry.						
		74.86 - 75.06 - coarser grained, biotite rich zone						
		76.50 - 76.54 - quartz carbonate veining						
		77.14 - 77.25 - feldspar porphyry						
		77.34 - 77.68 - coarser grained, biotite rich zone						
		78.38 - 78.69 - hematized zone along hairline fractures. Quartz carbonate vein slightly hematized.						
		82.14 - 83.53 - hematized & chloritized zone along cross-cutting hairline fractures, imparting a greenish red color to zone.						
		85.14 - 86.31 - strongly chloritized zone completely altered with some hematization.						
		86.31 - 87.47 - zone of intermittent quartz carbonate veining, altered slightly by hematization.						
87.47	90.32	Fine grained, mafic in color, massive in appearance with biotite & amphibole.						
90.32	92.41	Transition to a coarser grained member with a noticeable increase in amphibole. Quartz carbonate veining occurs with 0.01% pyrite, pyrrhotite and magnetite occurring within gangue and wall rock material within quartz carbonate veining. Large flakes & books of biotite present adjacent to quartz carbonate zones. ie. @ 91.19 - 91.32.						
92.41	94.17	Feldspar porphyry with phenocrysts less than 2 mm. and slightly hematized.						
94.17	95.40	Fine grained unit with laths of amphibole showing preferred dimensional orientation providing a sense of foliation. Cross-cutting hairline fractures are hematized and impart a reddish hue to section - slightly magnetic due to disseminated pyrrhotite.						

Drill Hole BA-2

Drilled by _____

Logged by _____

Page 6

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
95.40	96.59	Fine grained, fresher looking intermediate volcanic unit, minor cross-cutting hairline fractures of hematized material.						
96.59	97.03	Fine grained hematized & chloritized zone with cross-cutting hairline fractures of carbonate.						
97.03	97.21	Same as 95.40 - 96.59.						
97.21	97.76	Feldspar porphyry with phenocrysts less than 3 mm.						
97.76	107.17	Pristine intermediate volcanic with several hematized cross-cutting fractures, with intervening quartz carbonate veins containing 0.01% pyrite, pyrrhotite, magnetite in gangue and wall rock material adjacent & within quartz carbonate veining 99.83 - 100.03 - hematized quartz carbonate veining 98.78 - 98.82 - hematized quartz carbonate veining 104.50 - 104.59 - hematized quartz carbonate veining						
107.17	107.19	Feldspar porphyry.						
107.19	123.75	Intermediate volcanic with interbedded hematized quartz carbonate veining. 109.57 - 109.79 - hematized zone. 114.61 - 114.08 - quartz carbonate veining. 119.57 - 119.75 - hematized zone. 121.00 - 121.22 - hematized zone.						
123.75	150.10	Intermediate Volcanic 124.45 - 125.02 - feldspar porphyry. 125.61 - 125.70 - quartz carbonate veining. 127.26 - 127.63 - mafic tuff.						
	150.10	<u>END OF HOLE #2</u>						

Drill Hole BA-3Drilled by MorrisetteLogged by R. KempPage 1Latitude 8 + 90S.Bearing 180° (N-S)Elevation SurfaceDate Started Sept. 05/82Departure 36 + 00WDip Collar -45°
60.96 - 41°Length 137.49 metresDate Finished Sept. 07/82

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
0	3.04	Casing.						
3.04	31.35	<u>Intermediate Volcanic</u> - Green in color alternating with lighter (felsic) tuffaceous horizons commonly less than 3 cm. wide, beds on the order of 1-2 cm. wide. 16.38 - 16.41 - quartz carbonate veining, slightly hematized. 18.09 - 18.11 - quartz carbonate vein 18.25 - 18.33 - quartz carbonate vein plus inter-swirled wall rock. 3.54 - 3.58 - quartz carbonate vein. Minor cross-cutting calcitic hairline fracture. Angle bedding to core axis = 70°. 21.16 - 21.67 - fine grained, dark green in color, banding faintly evident obscured by chloritization. 21.16 - 23.05 - slightly chloritized zone, fine grained, no banding. 23.05 - 26.32 - chloritized zone; with faint remnants of lapilli (lighter in color), zone contains many hairline fractures which cross-cut foliation (calcitic). 25.45 - 25.52 - quartz carbonate vein. (lapilli more evident towards lower contact of zone stretched parallel to foliation, lapilli less than 6 mm.) 26.32 - 31.35 - green in color, no bedding, several chloritized zones plus calcitic & wispy zone of calcitic hairline fracture						

Drill Hole BA-3

Drilled by _____

Logged by _____

Page 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES				
					Au.				
31.35	31.80	cross-cutting foliation. <u>Sediment</u> - Very fine grained, bluish-black in color with stringers & lenses of pyrite, approximately 1%, hairline cross-cutting fracture towards lower contact.	21650	0.45	Trace				
31.80	42.37	<u>Intermediate Volcanic</u> 31.80 - 39.32 - bedded intermediate volcanic alternating felsic tuff horizons & darker mafic zones. Felsic zones less than 3 cm. with mafic zones less than 4 cm. Zones highly chloritized ie. 38.70 - 39.01 33.02 - 33.07 - quartz carbonate vein. 33.72 - 33.76 - " " " 34.68 - 34.33 - " " " 35.10 - 35.14 - " " " 36.59 - 36.61 - " " " 39.01 - 39.03 - " " " Angle to bedding = 70°. 39.32 - 42.37 - becoming more argillaceous in nature towards bottom of section. 42.23 - 42.27 - quartz carbonate vein, partially chloritized with blebs of pyrite & pyrrhotite in quartz vein, as well as disseminated in wall rock.							
42.37	45.84	<u>Meta-Sediment</u> - Well foliated, thinly bedded argillaceous sediment bedding, less than 1 cm. thick, alternating mafic							

Drill Hole BA-3

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH METRES	ASSAY VALUES				
					Au.				
45.84	47.51	<p>& slightly more felsic carbonaceous horizons. 43.15 - 43.28 - fault zone, pinky ground up material.</p> <p>Sulphides occur as very fine dissemination, lenses parallel to bedding & blebs of pyrite, pyrrhotite, less than 3% sulphides.</p> <p><u>Intermediate Volcanic</u></p> <p>- Darker green in appearance, faintly foliated approximately 3% sulphides of pyrite, pyrrhotite, occurring as stringers lenses & blebs.</p> <p>42.09 - 43.09</p> <p>43.09 - 44.09</p> <p>44.09 - 45.09</p> <p>45.09 - 45.84</p> <p>45.84 - 47.51</p>	21637	1.00	Trace				
47.51	61.03	<p><u>Meta-Sediment</u></p> <p>- Thinly bedded with calcareous zones & silicified horizons.</p> <p>48.81 - 50.20 - zone of quartz carbonate injections pyrite, pyrrhotite 2%.</p> <p>50.20 - 52.38 - more massive pristine zone, bedding less evident.</p> <p>52.38 - 52.84 - zone of quartz carbonate injection plus interbedded argillaceous material. Less than 1% pyrite, pyrrhotite.</p> <p>52.84 - 53.51 - similar to 50.20 - 52.38. Less than 1% pyrite, pyrrhotite.</p> <p>53.51 - 54.93 - zone of quartz carbonate injections & calcareous horizons, blebs & lenses of sulphides 2-3%.</p>	21638	1.00	Trace				
			21639	1.00	Trace				
			21640	0.75	Trace				
			21641	1.67	Trace				

Drill Hole BA-3Drilled by MorrisetteLogged by R. KempPage 4

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH metres	ASSAY VALUES				
					Au.				
		54.93 - 56.15 - similar to 50.20 - 52.38. 0.01% sulphides.							
		55.09 - quartz carbonate vein with minor pyrite, pyrrhotite.							
		56.15 - 57.54 - very fine grained argillaceous zone with finely disseminated sulphides to lenses of pyrite, pyrrhotite.							
		57.54 - 60.36 - similar to 50.20 - 52.38, trace sulphides.							
		60.36 - 60.64 - quartz carbonate vein with a few blebs of pyrite, pyrrhotite.							
		60.64 - 61.03 - medium grey in color, intermediate crystal tuff.							
		47.51 - 48.81	21642	1.30	0.07				
		48.81 - 50.20	21643	1.39	0.07				
		50.20 - 50.90	21644	0.70	Trace				
		52.38 - 52.84	21645	0.46	Trace				
		52.84 - 53.51	21646	0.67	Trace				
		53.51 - 54.91	21647	1.40	Trace				
		56.15 - 57.54	21648	1.39	Trace				
		60.36 - 60.64	21649	0.28	Trace				
61.03	65.71	<u>Intermediate Volcanic</u>							
		61.03 - 65.17 - dark green, massive, pristine, intermediate volcanic.							
		65.17 - 65.51 - coarser grained, chloritized, intermediate volcanic.							
		65.51 - 65.71 - similar to 61.03 - 65.17 quartz carbonate veining at 61.65 & 61.74 (3 cm. wide)							
65.71	67.60	<u>Feldspar Porphyry.</u>							

Drill Hole BA-3Drilled by MorrisetteLogged by R. KempPage 5

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
67.60	84.03	<u>Intermediate Volcanic</u> - Dark green, massive with minor calcitic beds & fractures with occasional quartz carbonate zones. (hematized quartz carbonate vein @ 78.70 - 78.78)						
84.03	88.21	<u>Feldspar Porphyry</u> - Coarse grained unit with scattered lapilli, less than 2 mm. in size (fine grained porphyry unit?)						
88.21	93.57	<u>Intermediate Volcanic</u> - Dark, massive, minor quartz carbonate veining.						
93.57	96.62	<u>Intermediate Volcanic</u> - Dark, massive, zone of quartz carbonate stringers, veins & cross-cutting hairline fracture, minor mafic tuff horizons.						
96.62	101.00	<u>Intermediate Volcanic</u> - Dark green, massive, with minor hairline fracture and veins of quartz carbonate material.						
101.0	104.76	<u>Intermediate Volcanic</u> - Brecciated zone, chloritized, no apparent sulphides. <u>Mafic Volcanic</u> - Dark green mafic in composition with hairline fracture of carbonate and small quartz carbonate veinlets.						
104.76	137.49	<u>Intermediate Volcanic</u> - Dark green, pristine.						
	137.49	END OF HOLE # 3						

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Drill Hole BA-4 Drilled by Morrisette Logged by R. Kemp Page 1
 Latitude 4 + 56 North Bearing 180° Elevation Surface Date Started Sept. 08/82
 Departure 32 + 00 West Dip Collar -45° Length 188.06 metres Date Finished Sept. 11/82
@60.96 - 41°
@121.92 -33° @182.88 -28°

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
0	3.04	Casing.						
3.04	35.23	<u>Mafic Volcanics</u> 3.04 - 13.54 - zone of wispy cross-cutting hairline fracture & veinlets of quartz carbonate through a dark green matrix. 11.95 - 12.04 - quartz carbonate vein. 13.39 - 13.59 - quartz carbonate vein. 20.91 - 24.29 - fractured shear zone in mafic volcanic.						
35.23	36.42	<u>Meta-Sediment</u> - Coarser grained arkosic unit.						
36.42	52.46	<u>Meta-Volcanic</u> 38.40 - 39.07 - quartz feldspathic porphyritic unit in a dark, fine grained ground mass, phenocrysts euhedral to anhedral. Porphyry stronger towards upper & lower contact. Phenocrysts less than 5 mm. (24.29 - 35.23) - zone in which large blebs of pyrite & pyrrhotite occur randomly from euhedral to anhedral in shape, less than 6 mm in size, zone peter's off towards lower contact as disseminations and small hairline wisps. 5-7% pyrite, pyrrhotite. 39.07 - 48.29 - zone where carbonate and quartz carbonate swirls are pervasive with chloritization occurring in carbonate zones Hematization pervasive towards lower contact along cross-cutting hairline fracture, sulphides, pyrite, pyrrhotite, occur as						

Drill Hole BA-4Drilled by MorrisetteLogged by R. KempPage 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH metres	ASSAY VALUES				
					Au.				
		disseminations and blebs, approximately 3%-5% pyrite, pyrrhotite. 51.21 - 51.30 - quartz carbonate vein. 52.00 - 52.46 - sheared zone, disrupted meta-volcanic by cross-cutting hairline fracture and veins of quartz carbonate.							
52.46	54.55	<u>Meta-Sediment</u> 52.46 - 54.55 - fine grained, slightly hematized zone with numerous cross-cutting fractures along which pyrite, pyrrhotite accumulates. Cherty in appearance, 6% sulphides. 52.46 - 53.46 53.46 - 54.55	21651 21652	1.00 1.09	Trace 0.07				
55.02	55.59	<u>Meta-Sediment</u> - Fine grained, cherty zone, wispy carbonate veinlets. Less than 1% pyrite, pyrrhotite. 55.02 - 55.59	21653	.57	Trace				
52.46	62.43	<u>Meta-Sediment</u> - Argillaceous to arkosic sediment zone.							
62.43	63.54	<u>Mafic Volcanic</u> - Chloritized mafic volcanic zone. 63.54 - 63.62 - mafic tuff zone.							
63.54	84.34	<u>Intermediate Volcanic</u> - Lighter green in color with wisps & swirls of quartz carbonate veins and hairline fracture.							

Drill Hole BA-4Drilled by MorrisetteLogged by R. KempPage 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
84.34	89.47	<u>Intermediate Volcanic</u> - Continuation of intermediate volcanic unit.						
89.47	89.54	<u>Meta-Sediment</u> - Medium grained/arkosic.						
89.54	89.74	<u>Intermediate Volcanic</u> - Dark green with one barren quartz carbonate vein						
89.74	91.62	<u>Meta-Sediment</u> - Arkosic sediment - medium to coarse grained with garnets & staurolite, less than 2 mm.						
91.62	91.72	<u>Intermediate Volcanic</u> - Dark green intermediate volcanic with wispy carbonate.						
91.72	93.18	<u>Meta-Sediment</u> - Arkosic sediment.						
93.18	93.27	<u>Intermediate Volcanic</u> - Quartz, carbonate vein plus intermediate volcanic						
93.27	98.32	<u>Meta-Sediment</u> - Medium grained arkosic sediment with garnet & staurolite.						
98.32	106.06	<u>Intermediate Volcanic</u> - Intermediate volcanic with wisps and swirls of quartz carbonate stringers sub-parallel to foliation 2% disseminated pyrite plus 1 large bleb @ 102.31						

Drill Hole BA-4Drilled by MorrisetteLogged by R. KempPage 4

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
106.06	107.66	<u>Meta-Sediment</u> - Arkosic sediment with garnet & staurolite.						
107.66	108.53	<u>Meta-Volcanic</u> - Green intermediate volcanic with wispy carbonate fractures.						
108.53	108.72	<u>Meta-Sediment</u> - Arkosic, medium grained sediment - massive and pristine.						
108.72	126.99	<u>Meta-Volcanic</u> - Massive to sections with lensy & wispy quartz carbonate stringers & veinlets. Interbedded mafic tuff zones @ 111.55 - 111.60 112.62 - 112.75 117.00 - 117.20 117.76 - 118.20 120.01 - 120.50 121.51 - 121.18 122.68 - 122.76						
126.99	129.76	<u>Meta-Sediment</u> - Sediment with garnets & staurolite for length of section, commonly less than 1 mm. in size.						
129.76	130.38	<u>Meta-Volcanic</u> - Volcanic, chloritized plus barren quartz carbonate vein.						
130.38	131.07	<u>Meta-Sediment</u> - Medium to fine grained sediment with trace garnets						

Drill Hole BA-4Drilled by MorrisetteLogged by R. KempPage 5

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
131.07	131.24	<u>Intermediate Volcanic</u> - Dark green intermediate volcanic.						
131.24	139.79	<u>Meta-Sediment</u> - Arkosic sediment with zones rich in garnet & andalusite/intermittent quartz carbonate zones						
139.79	139.91	<u>Mafic Tuff</u> - Dark green mafic tuff horizon.						
139.91	141.84	<u>Meta-Sediment</u> - Medium to coarse grained arkosic unit with pervasive garnets and staurolite, garnets less than 1 mm. in size.						
141.84	142.19	<u>Intermediate Volcanic</u> - Mafic tuff to lapilli tuff (with random quartz feldspathic lapilli)						
142.19	188.06	<u>Interbedded Mafic Tuff & Intermediate Volcanic</u> - Dominantly arkosic sediments with intercalated beds of mafic tuff to zones dominantly volcanic: arkosic beds reflect garnets & staurolite, while intermediate volcanics are garnets free & olive green in color. 147.83 - 148.08 - bleached zone to a grey-white color. 150.31 - 150.37 - mafic tuff. 152.96 - 153.02 - mafic tuff. 156.15 - mafic tuff. 157.94 - 158.09 - mafic tuff.						

Drill Hole BA-4Drilled by MorrisetteLogged by R. KempPage 6

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
		159.12 - 159.21 - quartz carbonate vein plus mafic tuff.						
		159.58 - 159.66 - mafic tuff.						
		160.01 - mafic tuff.						
		161.38 - 161.44 - mafic tuff.						
		161.59 - 161.69 - mafic tuff.						
		163.89 - 163.98 - mafic tuff.						
		165.50 - 165.57 - quartz carbonate vein.						
		166.44 - 166.61 - mafic tuff.						
		167.13 - mafic tuff.						
		167.85 - 172.86 - intermediate volcanic, dark green, massive in appearance.						
		175.47 - mafic tuff.						
		175.78 - 178.85 - mafic tuff.						
		176.23 - 176.30 - mafic tuff.						
		177.26 - 178.52 - intermediate volcanic, dark olive green with slightly chloritized zones						
		178.81 - 179.08 - intermediate volcanic.						
		179.80 - mafic tuff.						
		181.96 - 182.17 - mafic tuff.						
		182.55 - 182.66 - mafic tuff.						
		184.38 - 184.67 - mafic tuff.						
		185.64 - 188.06 - intermediate volcanic.						
		END OF HOLE #4						

624269

Drill Hole BA-5

Drilled by Morrisette

Logged by R. Kemp

Page 1

Latitude 4 + 56' N

Bearing 180°

Elevation Surface

Date Started Sept. 11/82

Departure 32 + 00 W

Dip -75° 60.0m = -75°

Length 106.9 Metres

Date Finished Sept. 12/82

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES				
					Au.				
0.00	2.94	Casing.							
2.94	33.46	<u>Intermediate to Mafic Volcanic</u> : Intermediate to mafic volcanic. Ranging from a massive, pristine volcanic unit to zones wispy and fractured by Quartz CO ₃ zones and hair line fractures. ie. 6.70 to 8.38 m. generally zone is dark green to olive green in colour. Fine grained, sulphide rich zone. Less than 5% Pyrite, Pyrrhotite. 20.78 - 21.06m. 21.06-33.46 - Pristine zone, olive green in colour. Sheared slightly to strongly. No quartz CO ₃ swirls and veinlets. One sulphide zone pyrite, pyrrhotite and magnetite. Less than 30% pyrite, pyrrhotite @ 28.69 - 28.90		0.28	Tr.				
33.46	33.94	<u>Felds porphyry</u> : Light coloured phenocrysts (lappilli?) in a darker fine grained ground mass. Phenocrysts orientated parallel to foliation. Less than 3 mm in size.							
33.94	47.51	<u>Intermediate-Mafic Volcanic</u> : Slightly sheared, chloritic and wispy with Quartz CO ₃ . Swirls and cross-cutting hairline fractures. Large blebs of pyrite. Less than 1cm in size concentration towards the lower contact.		0.21	0.21				
47.51	51.43	<u>Intermediate-Mafic Volcanic</u> : Pristine + massive in appearance. Minor swirls of Quartz CO ₃ material.							
51.43	53.03	<u>Mafic Dyke</u> : Slightly magnetic, medium grained, massive.							

Drill Hole BA-5

Drilled by _____

Logged by R. KempPage 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
53.03	56.78	<u>Intermediate to Mafic Volcanic:</u> - wisps and swirls of Quartz CO ₃ material with smaller Quartz CO ₃ . Hairline fracture. Cross-cutting foliation.						
56.78	58.52	<u>Feldspar Porphyry:</u> White phenocrysts less than 1cm in size generally orientated parallel to the foliation with Quartz CO ₃ . Swirls and veinlets at upper and lower contact.						
58.52	60.77	<u>Intermediate to Mafic Volcanic:</u> - Zone with Quartz CO ₃ swirls and hairline fracture, slightly chloritized.						
60.77	66.02	<u>Mafic Volcanic:</u> - unit chloritized and interswirled Quartz CO ₃ zone - amphibolized						
66.02	78.33	- Amphibolized with Quartz CO ₃ Swirls and cross-cutting hairline fracture. Angle bedding to core = 45°						
78.33	80.20	- with lenses and pods of pyrite, pyrrhotite. Magnetic to very magnetic. Starting @ 78.97 and continues past zone, magnetic due to disseminated magnetite. Less than 30% Pyrite, Pyrrhotite, magnetite [angle=50°]						

Drill Hole BA-5

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES				
					Au.				
80.20	83.91	Enriched, silicified zone. Trace chalcopyrite, 6% pyrite, pyrrhotite + disseminated magnetite, sulphides occurring along hairline fracture cross-cutting foliation. Zone very magnetic, interbedded mafic volcanic units @82.78-82.83 83.24-83.29 83.65-83.70 83.79-83.86							
		80.20 - 81.06	21657	0.86	0.07				
		81.06 - 82.06	21658	1.00	0.07				
		82.06 - 83.06	21659	1.00	Tr.				
		83.06 - 83.91	21660	0.85	Tr.				
83.91	87.90	Olive green in colour, disseminated pyrrhotite and magnetite. Section is very magnetic, from 83.91 - 87.90							
87.90	106.90	<u>Arkosic to argillaceous sediment:</u> - Massive, medium to fine grained, faintly foliated due to Quartz CO ₃ beds, with intermittent Quartz CO ₃ veins.							

Drill Hole BA-6Drilled by MorrisetteLogged by R. Kemp624269
1

Page _____

Latitude 5 + 45 NBearing 180°Elevation SurfaceDate Started Sept. 13/82Departure 28 + 00 WDip -50° 61.0m = -44°
105.8m = -41°Length 105.77 metresDate Finished Sept. 14/82

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
0	2.54	Casing.						
2.54	6.17	<u>Mafic Volcanic</u> - dark green with hairline fracture, wisps and swirls of Quartz CO ₃ .						
6.17	6.82	<u>Metasedimentary</u> - medium grey, medium grained arkosic unit. slightly magnetic.						
6.82	8.92	<u>Mafic Volcanic</u> - dark green. Same as 2.54-6.17.						
8.92	9.78	<u>Metasedimentary</u> - medium grey, medium grained arkosic unit, slightly to locally very magnetic, due to disseminated magnetite. 9.12-9.61:fractured zone with cross-cutting hairline fracture, filled with pyrite, pyrrhotite and quartz CO ₃ . Less than 5% pyrite, pyrrhotite						
9.78	11.88	<u>Meta Volcanic</u> - medium grained, massive, with 1% pyrite 11.66-11.78 Barren quartz CO ₃ vein [magnetic zone: 8.62 - 10.22]						
11.88	12.42	<u>Sheared zone with Metavolcanic unit, slightly magnetic at top of zone due to pyrrhotite. Pyrite is associated, 1% sulphides. Less than 1%. Zone is very micaceous.</u>						

Drill Hole BA-6

Drilled by _____

Logged by _____

Page 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
12.42	17.75	<u>Metavolcanic (mafic)</u> - medium grained with minor quartz CO ₃ swirls. Similiar to 9.78-11.88: Non magnetic, slight chloritization to bottom of section.						
17.75	20.17	<u>Metasedimentary</u> - light grey in colour, fine to medium grained argillaceous(?) unit. With zone concentration, Sulphides @ 19.05: massive pyrite & magnetite @ 19.97: stringers + lenses of pyrite + minor magnetite "Zone of magnetic material, ie. disseminated magnetite."						
20.17	25.04	<u>Mafic Volcanic</u> - chloritized zone, green in colour with wispy chlorite.						
25.04	27.43	<u>Sheared Volcanic unit/chloritized.</u>						
27.43	36.14	<u>Mafic Volcanic</u> - chloritized with wisps and swirls of quartz CO ₃ highly amphibolized.						
36.14	36.26	<u>Metasedimentary</u> - fine grained to medium grained, light grey in colour, Arkose.						

Drill Hole BA-6

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
36.26	36.59	<u>Mafic Volcanic</u> - very similar to 27.43-36.14.						
36.59	37.32	- strongly amphibolized shear.						
37.32	39.05	<u>Metasedimentary</u> - fine to medium grained, light grey in colour, Arkosic.						
39.05	39.24	<u>Feldspar porphyry</u> - with euhedral phenocrysts of feldspar.						
39.24	48.10	<u>Mafic Volcanic</u> - top part of section, pristine feldspar porphyry, but breaks away to amphibolized + quartz CO ₃ veining chloritized.						
48.10	50.34	<u>Sedimentary</u> - thinly lamination swirled with quartz CO ₃ material and slightly chloritized. Magnetic zone coming is @ 48.10.						
50.34	50.84	<u>Silicified & hematized sediment</u> - red hematized and silicified unit, vuggy, becoming cherty towards the bottom. Approximately 10-15% pyrite pyrrhotite & magnetite, zone is highly magnetic. Magnetite occurs as large grains.	21661	0.50	0.07			

Drill Hole BA-6

Drilled by _____

Logged by _____

Page 4

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
50.84	51.96	<u>Sediment</u> - swirled quartz CO ₃ through zone, becoming well bedded tuff horizon towards base.						
51.96	52.21	<u>Amphibolized Arkosic Sediment</u>						
52.21	52.24	Churty unit						
52.24	52.40	Arkosic unit at top of section/medium to coarse grained, grading downwards to fine grained churty zone.						
52.40	54.68	<u>Sedimentary</u> - fine grained argillaceous sediment. Separated by Arkosic amphibolized zones. Magnetic. fine grained argillaceous zones ie. 54.08-54.17						
45.68	61.00	<u>Intermediate to Mafic tuff</u> - interbedded tuff horizons separated by amphibolized sediment & chloritized with interbedded quartz CO ₃ . Mafic tuff @ 59.07-59.16 59.19-59.26 59.97-60.05 60.31-60.41 60.55-60.88 [These mafic tuff horizons appear to contain quartz fragments. These may be a mafic feldspar porphyry, to tuppilli tuff.] 60.93-61.00 61.20-61.36						

Drill Hole BA-6

Drilled by _____

Logged by _____

Page 5

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
61.00	89.60	<u>Metasedimentary</u> - fine grained argillaceous sediment with quartz CO ₃ swirls + intercalated mafic tuff horizons, lower in the section, sediment range from Arkosic to Argillaceous, fine to medium grained, dark grey in colour. With lenses (thin less than lmm) & swirls of quartz CO ₃ , section have minor chloritization. [tuff horizons @: 64.87-64.91/65.61-65.85/79.96-80.04/84.86-84.90]						
89.60	105.77	<u>Intermediate Volcanic</u> - light green grey in colour. With intercalated quartz CO ₃ swirls + mafic tuff horizons. Quartz CO ₃ vein 91.73-92.73 (barren) amphibolized & chloritized zones. (Amphibolization pervasive)						
		END OF HOLE #6						

624267

Drill Hole BA-7 Drilled by Morrisette Logged by R. Kemp Page 1
 Latitude 9 + 50 S Bearing 180° Elevation Surface Date Started Sept. 17/82
 Departure 24 + 00 W Collar -45° Dip -39°=61.0 m Length 73.76 metres Date Finished Sept. 18/82
-36.5°=73.8m

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
0	3.35	Casing						
3.35	35.44	<u>Mafic Biotitic Sediments</u> - Well to weakly bedded. Beds 1/8-1/4" generally moderately parallel to bedding. Very minor pyrite crystals throughout. Occasional quartz, hematite & epidote veinlets parallel bedding. Light to dark grey 7.9 Bleached with 1/2" quartz vein, barren. 8.22 - 8.63 Spotted with quartz eyes. 10.52 - 11.39 Interbedded spotted beds with occasional pyrite veinlets. C. A. 70° 16.0 - 18.7 Increasingly amphibolitic. Occasional quartz & quartz-calcite veins. 20.0 C. A. 80° 28.7 - 29.72 Slight hematitic staining 30.64 - 30.91 Garnetiferous. Very fine crystals.						
35.44	39.18	<u>Mafic Argillitic Sediments</u> -Very dark to black colour. Graphitic. Occasionally light-coloured bed. Pyrite common in veinlets. C. A. 80°. Sheared parallel bedding. 38.54 - 39.18 Almost massive, graphitic argillite shearing C. A. 80°. Occasional light grey pyritiferous beds up to 4". Pyrite 5%+, mainly veinlets, some irregular masses. 40.3 - Apparent fault gouge. Black, several inches wide. Seems to contain some quartz veining.						

Drill Hole BA-7

Drilled by _____

Logged by _____

Page 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
		38.4 - 39.4	21662	1.00	0.07			
		39.4 - 40.4	21663	1.00	Tr.			
		40.4 - 41.4	21664	1.00	Tr.			
		41.4 - 42.1	21665	1.07	Tr.			
39.18	45.75	<u>Mafic Biotitic Sediments</u> - Mainly as before but locally somewhat more graphitic. C.A. 80° 43.63 Becoming more siliceous, less graphite 1-2% pyrite in veinlets.						
46.75	49.11	<u>Siliceous Sediments</u> - Light to dark grey. C.A. 80-85°. Little shearing. Pyrite- 1-2% as veinlets and blebs.						
49.11	49.89	<u>Quartz-feldspar porphory</u> - Poorly defined. Light grey, siliceous. Phenocrysts 1/8"±. Massive. 48.45 - 49.11	21668	0.66	Tr.			
49.89	50.36	<u>Siliceous Sediments</u> Same as above.						
50.36	50.67	<u>Mafic Argillitic Sediments</u> - Dark to black, graphitic 50.44 - 50.55 15% pyrite, mainly crystals 50.36 - 50.60	21667	0.24	Tr.			

Drill Hole BA-7

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
50.67	60.28	<u>Mafic Biotitic Sediments</u> - Bedding generally poor. C.A. 80°. Shearing highly developed parallel to bedding. Occasional graphitic bed to 2". Dark to medium grey. Occasional narrow bed of quartz-feldspar porphyry. 54.3 2" Bull quartz vein. No mineralization.						
60.28	64.56	<u>Mixed Mafic Sediments & Mafic Volcanics</u> - zone shows some bedding characteristics with other zones of Mafic Volcanics as below.						
64.56	73.76	<u>Mafic Volcanics</u> - Tuffaceous. Sheared @ 80°± 5°. Dark green. Hematitic staining prevalent on fracture planes. Occasional hematitic quartz veins Biotitic, chloritic. Slightly carbonaceous.						
		END OF HOLE # 7						

Drill Hole BA-8Drilled by MorrisetteLogged by R. Kemp624267
Page 1Latitude 20 + 00 WBearing 180°Elevation SurfaceDate Started Sept. 20/82Departure 7 + 00 SDip -50° 61.0m = -38.5°
73.8m = -32.0°Length 121.0 metersDate Finished Sept. 22/82

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
0	3.86	Collar.						
3.86	33.61	<u>Intermediate Tuff</u> - medium grey to grey/ medium grained with interbedded, less than 5cm wide mafic tuff horizons. 17.20-17.75: Chloritized zone pervasive, with quartz CO ₃ injection. Pyrite less than 0.5%. 21.10-21.32: thinly laminated felsic to intermediate tuff. Core axis to foliation 70° at 20.42 Locally quartz CO ₃ injections parallel to sub parallel to foliation.						
33.61	70.11	<u>Intermediate Volcanic</u> - green in colour, medium grained with amphibolite blades along foliation planes. Unit is well foliated expressed by alternating beds of white tuffaceous units & medium grained green units. The alternating beds are commonly less than 3cm thick. Hematization occurs where hairline fracture cross-cut foliation To locally alter the zone to a reddish colour. Core axis to foliation at 63.09: 75° 46.88-47.57: mafic dyke: coarse grained, magnetite, biotite books 49.65-49.85: quartz CO ₃ vein 61.01-61.28: massive mafic dyke very magnetic						

Drill Hole BA-8

Drilled by _____

Logged by _____

Page 2

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES				
					Au.				
70.11	100.52	<u>Intermediate Tuff</u> - banded appearance alternating felsic + mafic horizons. Trace pyrite. 80° angle bedding to core axis. 99.82-100.52	49009	0.70	Tr.				
100.52	105.72	<u>Graphite horizon</u> - black, very fine grained, with very finely disseminated pyrite 1%-1.5%							
		100.52-101.52	49010	1.00	Tr.				
		101.52-102.52	49011	1.00	Tr.				
		102.52-103.52	49012	1.00	Tr.				
		103.52-104.70	49013	1.18	Tr.				
		104.70-105.12: zone with sub angular to sub rounded fragments. (Solution breccia) Many cross-cutting hairline fracture of quartz CO ₃	49014	0.42	Tr.				
		105.12-105.72	49015	0.60	Tr.				
105.72	111.91	<u>Intermediate Tuff</u> - massive medium grained & grey in colour 1% pyrite with interbedded graphitic horizons. (banded)							
		105.72-106.72	49016	1.00	Tr.				
		106.72-107.72	49017	1.00	0.07				
		107.72-108.81	49018	1.09	Tr.				
111.01	113.24	<u>Intermediate tuff + quartz CO₃ vein</u> - quartz vein occurs at a very high angle to the core axis, cross-cutting well foliated							

Drill Hole BA-8

Drilled by _____

Logged by _____

Page 3

Latitude _____

Bearing _____

Elevation _____

Date Started _____

Departure _____

Dip _____

Length _____

Date Finished _____

FROM	TO	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUES			
					Au.			
111.01	113.24	continued. -(bedded) intermediate tuff. Epidotization occurs throughout but occurs massively from 112.56-113.24, with quartz CO ₃ veining occurring at a high angle to the core axis .03%	49020	0.68	Tr.			
		111.91-112.56	49019	0.65	Tr.			
113.24	114.91	<u>Quartz CO₃ vein</u> - at right angle to core axis with intermixed intermediate tuff. Fine disseminated pyrite (1%) in the intermixed tuff material while quartz vein barren.						
		113.24-114.24	49021	1.00	Tr.			
		114.24-114.91	49022	0.67	Tr.			
		114.51-114.91: Quartz CO ₃ vein has a blueish hue, possible MoS ₂ .						
114.91	121.00	<u>Intermediate tuff</u> - dark very fine grained with minor interbedded graphitic zones. Finely disseminated. Pyrite occurs along foliation planes. Quartz CO ₃ vein occurs randomly. At high angle to core axis.						
		114.91-115.82	49023	0.91	Tr.			
		115.82-116.82	49024	1.00	Tr.			
		116.82-117.95	49025	1.13	Tr.			
		117.95-118.95	49026	1.00	Tr.			
		118.95-119.95	49027	1.00	Tr.			
		119.95-121.00	49028	1.05	Tr.			
END OF HOLE # 8								



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. 22438

DATE: October 8, 1982

SAMPLE(S) OF: Core (20)

RECEIVED: October, 1982

SAMPLE(S) FROM: Mr. B. Durham, Bel-Air Resources Ltd.

<u>Sample No.</u>	<u>Grams Gold</u>
F49009	Trace
F49010	Trace
11	Trace
12	Trace
13	Trace
14	Trace
15	Trace
16	Trace
17	0.07*
18	Trace
19	Trace
F49020	Trace
21	Trace
22	Trace
23	Trace
24	Trace
25	Trace
26	Trace
27	Trace
28	Trace

* estimated

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. 20275

DATE: September, 23, 1982

SAMPLE(S) OF: Rock (1)

RECEIVED: September, 1982

SAMPLE(S) FROM: Mr. Bruce Durham, Bel-Air Resources Ltd.

Sample No.

% Mo S₂

21654

0.008

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER. 



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. 20276

DATE: September 24, 1982

SAMPLE(S) OF: Core (7)

RECEIVED: September, 1982

SAMPLE(S) FROM: Bruce Durham, Bel-Air Resources Ltd.

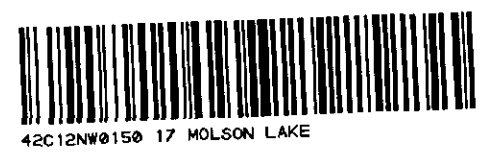
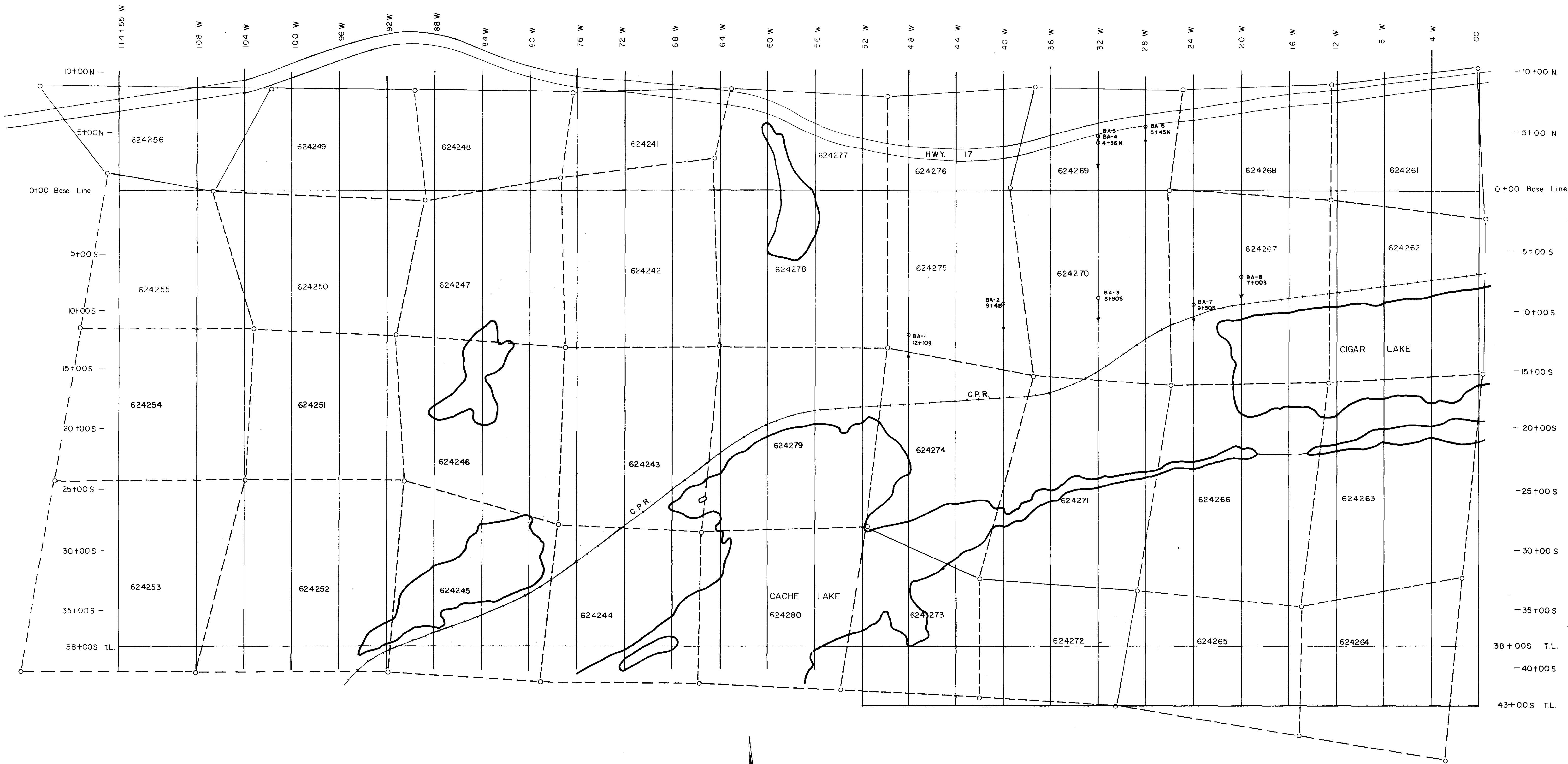
<u>Sample No.</u>	<u>Grams Gold</u>
C21662	0.07*
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace

* estimated

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER



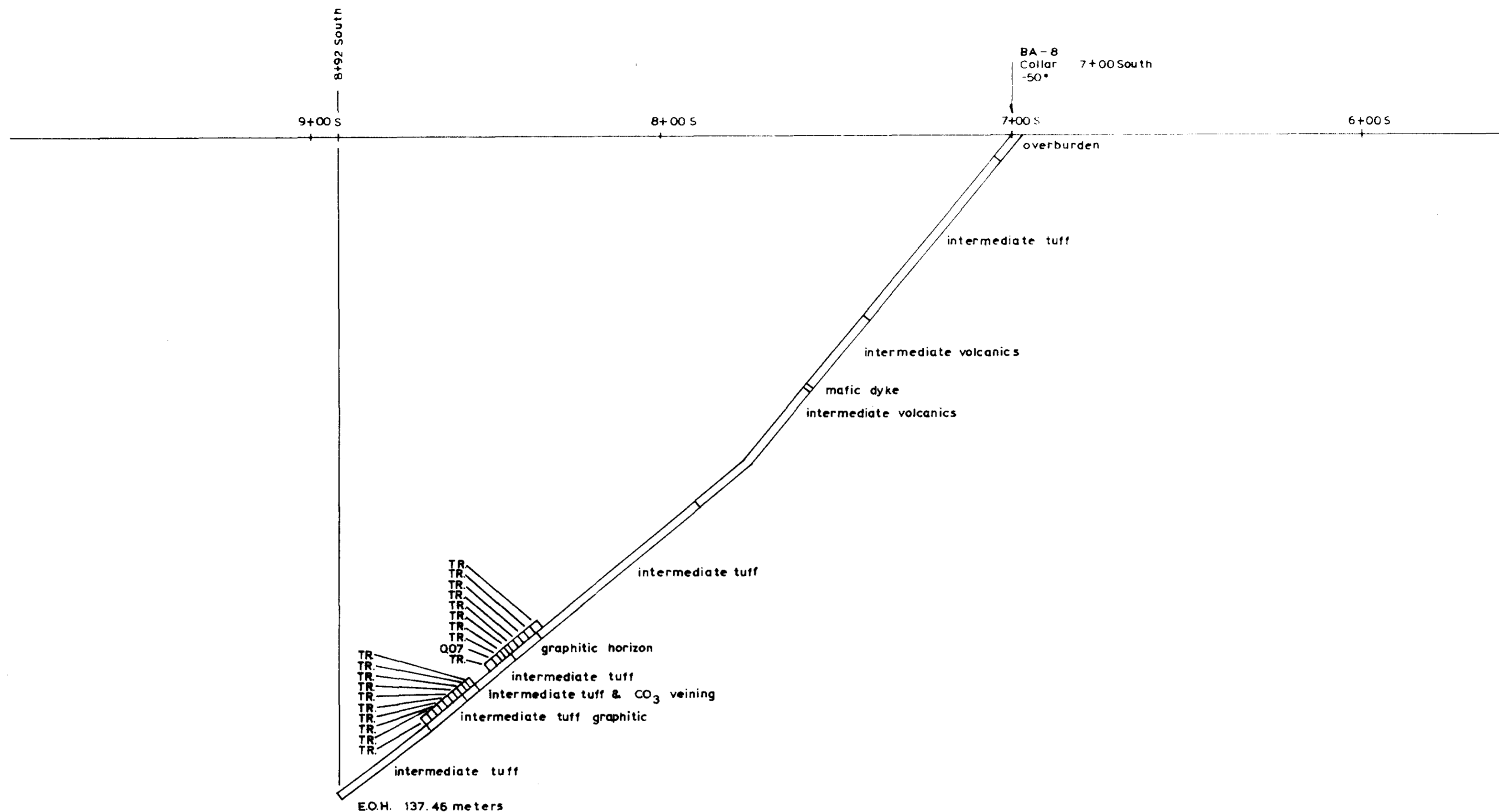
200

DAVID R. BELL GEOLOGICAL SERVICES INC.
 BELAIR RESOURCES LTD.
DIAMOND DRILL
LOCATION MAP
 ROUS & MOLSON LAKES AREA
 DISTRICT OF THUNDER BAY
 ONTARIO
 SCALE 1:400'

OL /82

SOUTH

NORTH



E.O.H. 137.46 meters

DAVID R. BELL GEOLOGICAL SERVICES LTD.

BELAIR RESOURCES

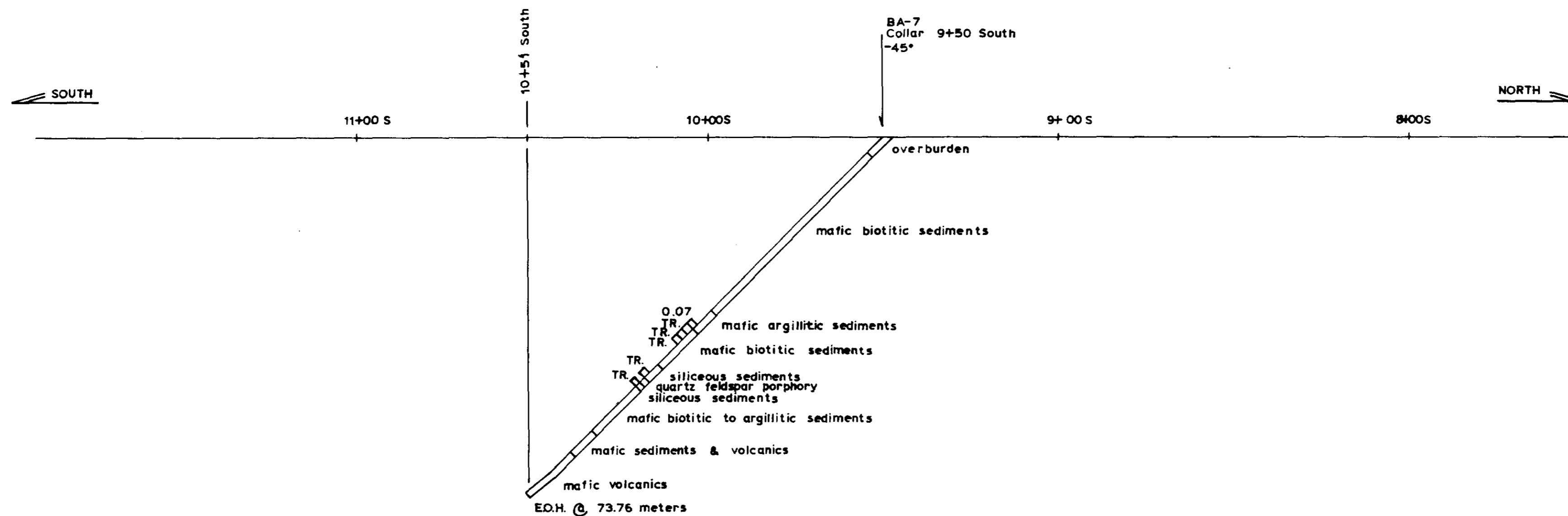
VERTICAL SECTION, looking west
SECTION 20+00W BA-8

-Values reported in gms / metric ton

SCALE 1:500
OCTOBER, 1982



42012NW0150 17 MOLSON LAKE



DAVID R. BELL GEOLOGICAL SERVICES LTD.

BELAIR RESOURCES

VERTICAL SECTION, looking west

SECTION 24+00W, BA-7

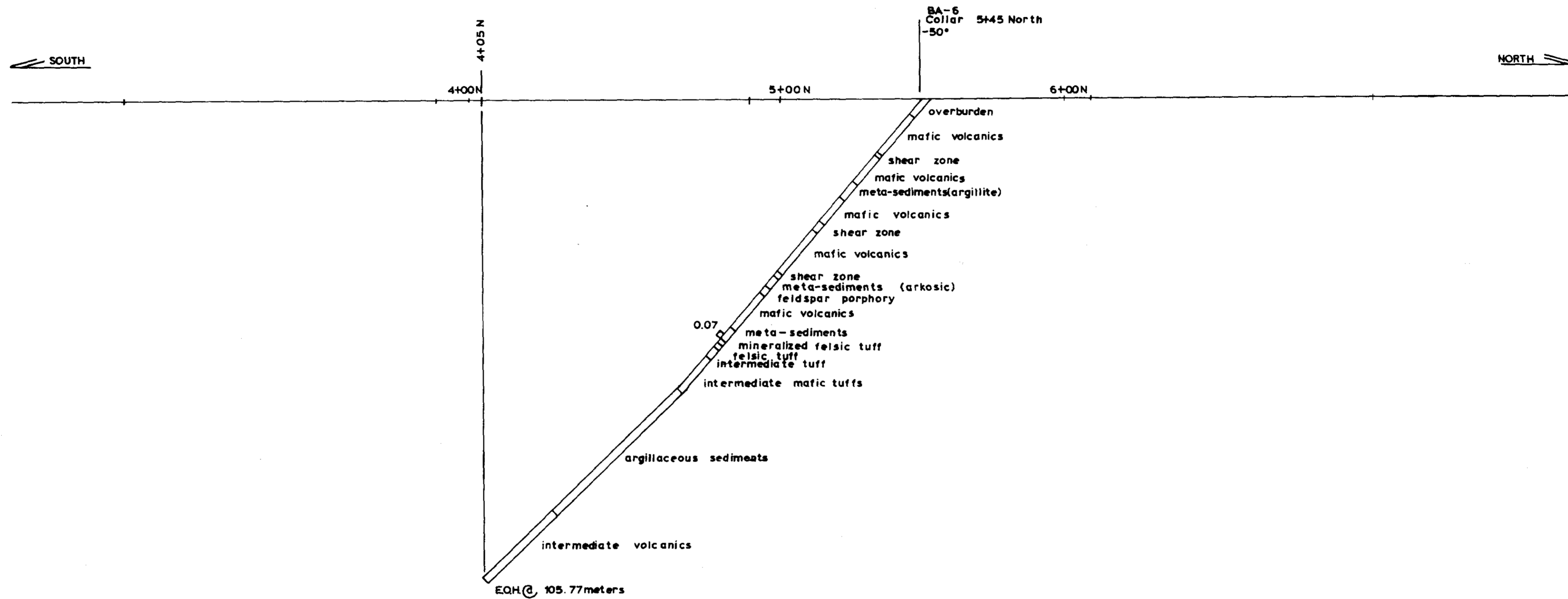
-Values reported in gms / metric ton

SCALE 1:500

OCTOBER, 1982



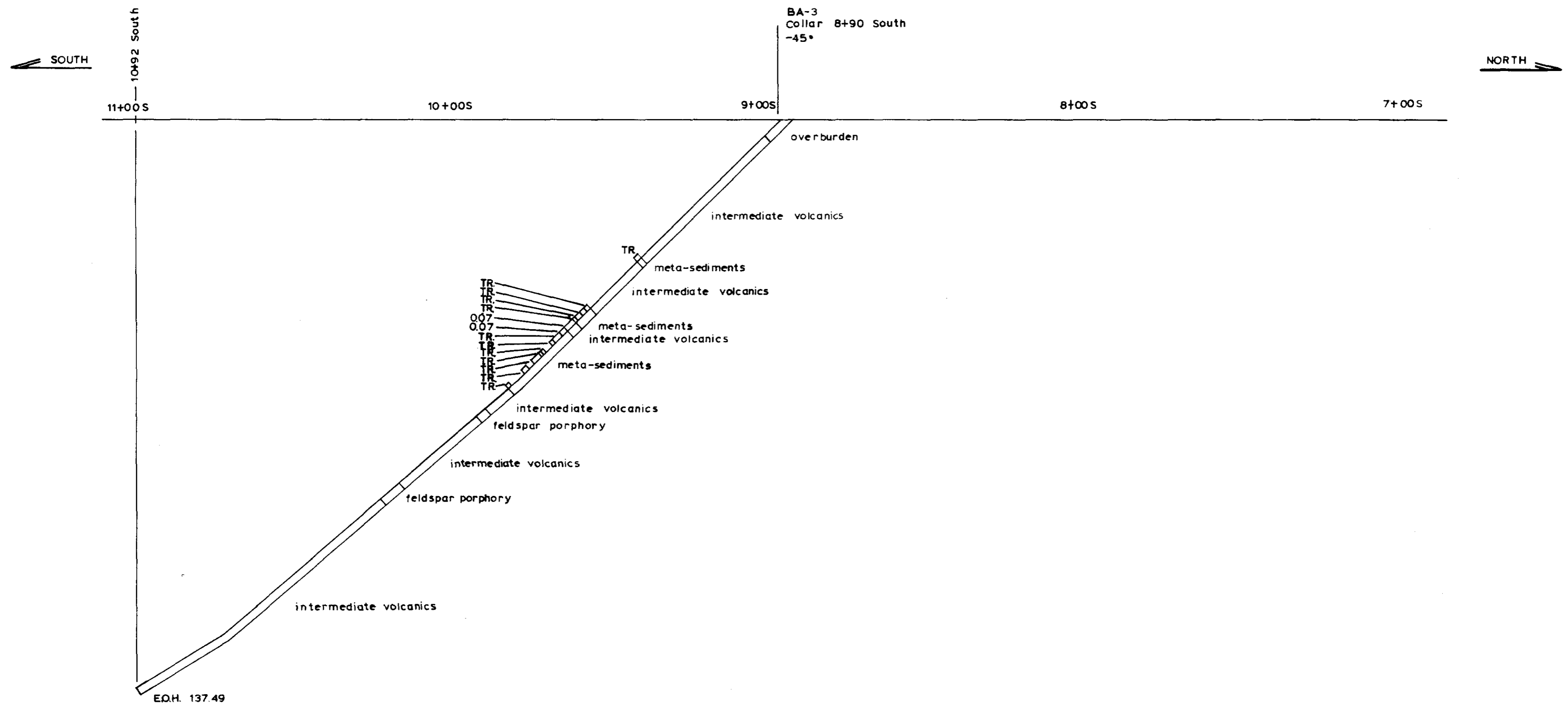
42C12N0150 17 MOLSON LAKE



DAVID R. BELL GEOLOGICAL SERVICES LTD.
 BELAIR RESOURCES
 VERTICAL SECTION, looking west
 SECTION 28+00W, BA-6
 -Values reported in gms / metric ton
 SCALE 1:500
 OCTOBER, 1982

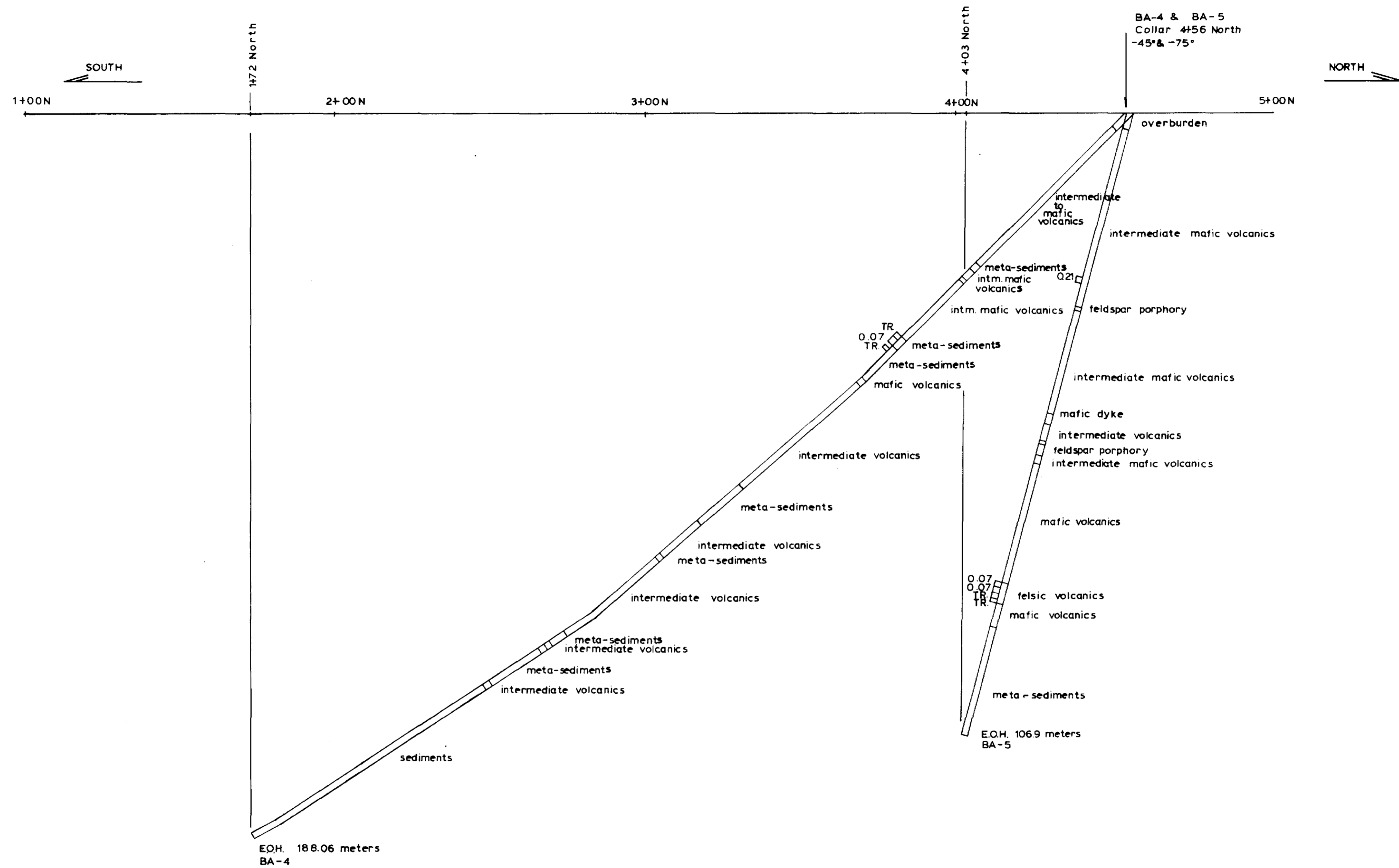


42C12NW0150 17 MOLSON LAKE



DAVID R. BELL GEOLOGICAL SERVICES LTD.
 BELAIR RESOURCES
 VERTICAL SECTION, looking west
 SECTION 32+00W, BA-3
 -Values reported in gms/metric ton
 SCALE 1:500
 OCTOBER, 1982

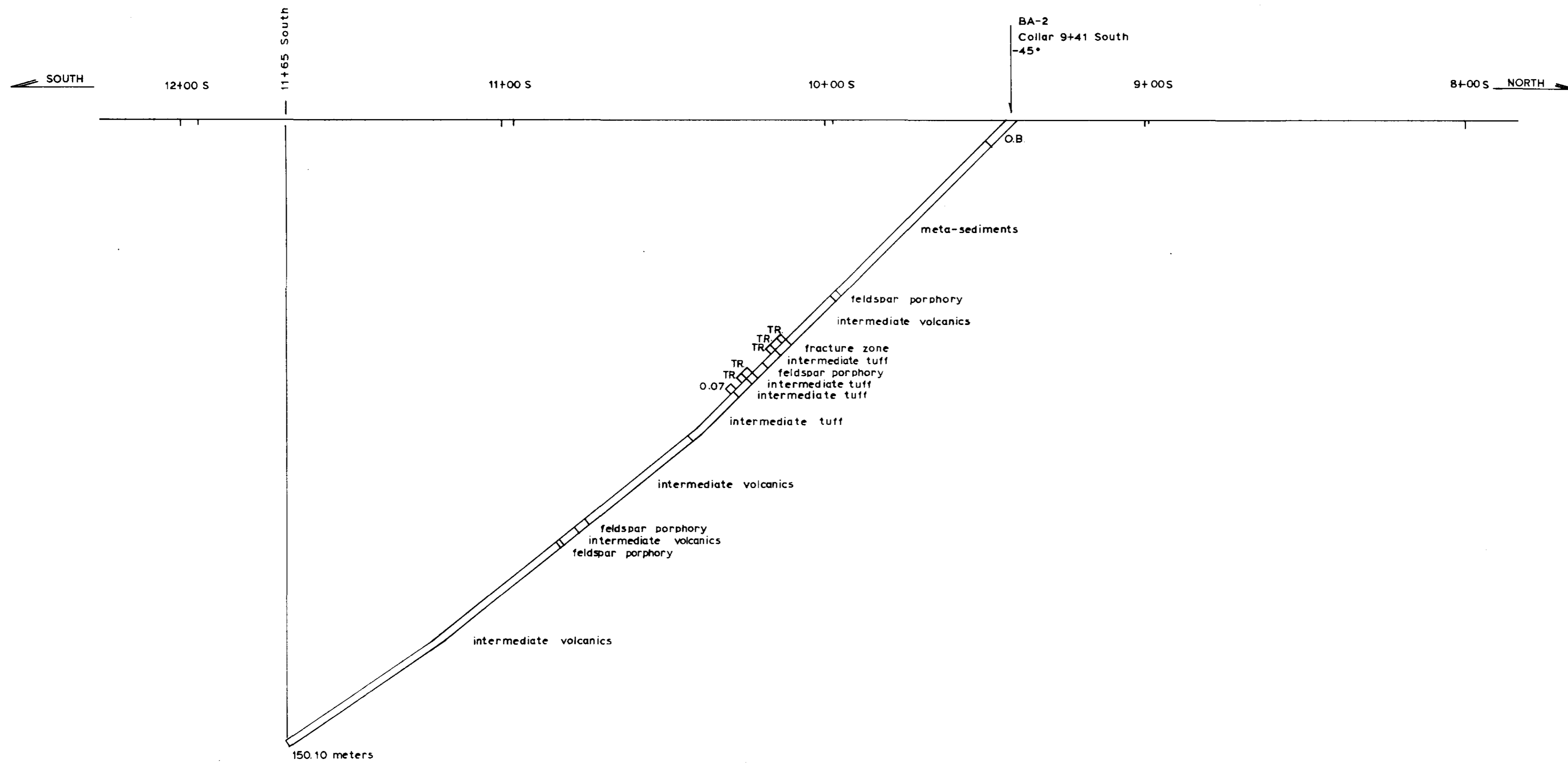




DAVID R. BELL GEOLOGICAL SERVICES LTD.
 BELAIR RESOURCES
 VERTICAL SECTION, looking west
 SECTION 32+33W, BA-4,BA5
 -Values reported in gms / metric ton
 SCALE 1:500
 OCTOBER, 1982

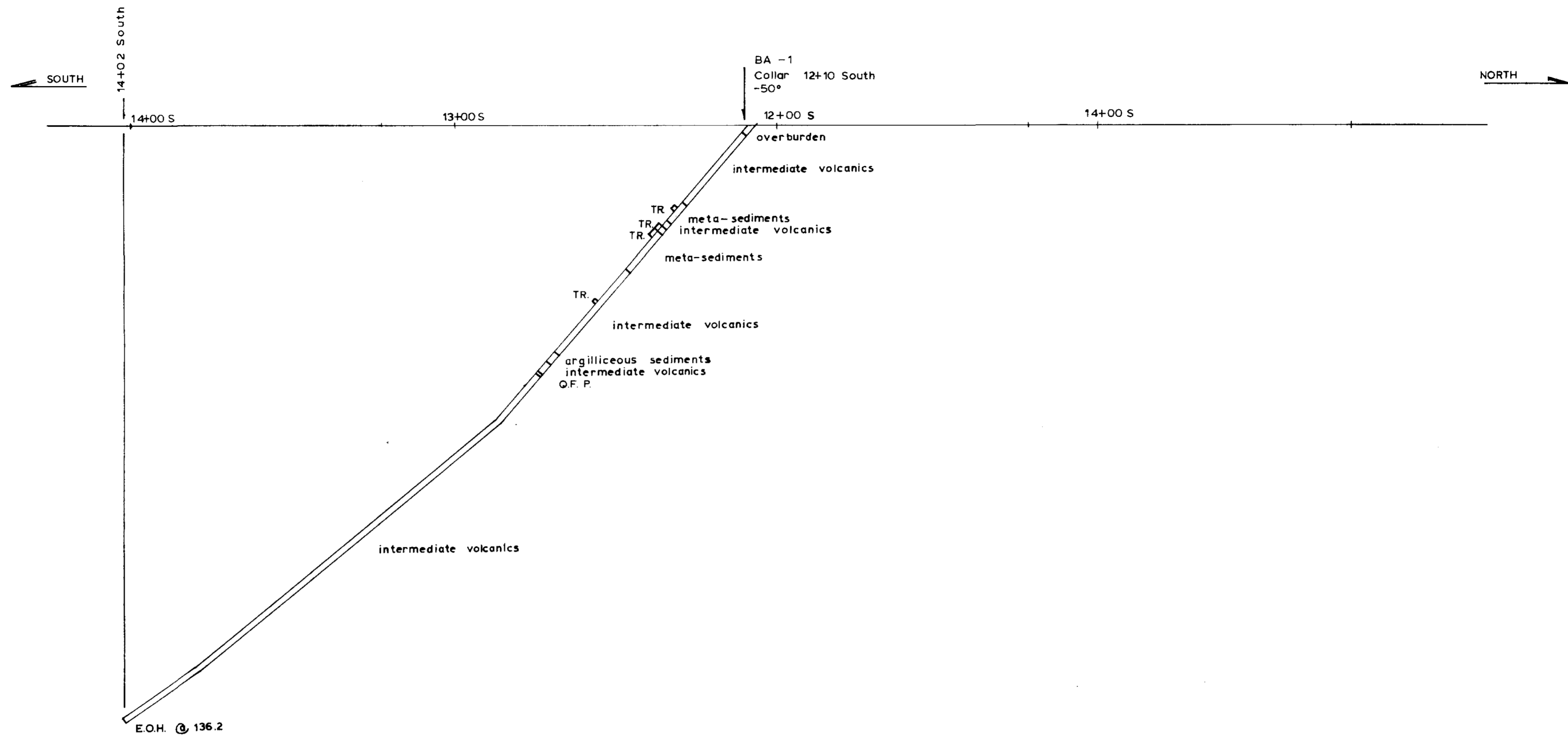


42C12N#8158 17 MOLSON LAKE



DAVID R. BELL GEOLOGICAL SERVICES LTD.
 BELAIR RESOURCES
 VERTICAL SECTION, looking west
 SECTION 40+00W BA-2
 -Values reported in gms / metric ton
 SCALE 1:500
 OCTOBER, 1982





DAVID R. BELL GEOLOGICAL SERVICES LTD.	
BELAIR RESOURCES	
<u>VERTICAL SECTION</u> , looking west SECTION 48+00W, BA-1 -Values reported in gms/metric ton	
SCALE 1:500	<i>D.R.B.</i> OCTOBER, 1982





42C12NW0150 14 BOMBY

010

DIAMOND DRILLING

Township: Bombay

Report No: 14

WORK PERFORMED FOR: Lac Minerals Ltd.

RECORDED HOLDER: SAME AS ABOVE]
: OTHER]

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
TB 609035	10072-85-1	60.8m	June/85	(1)
TB 609035 32157	10072-85-2	60m	June/85	(1)

NOTES: (1) #391-85

GEOLOGY LOG

- 0 - 26.30 Light grey quartz eye muscovite schist, 30 percent quartz eyes, sections quite blocky, numerous feldspar porphyry sills throughout.
- 8.4 - 9.3 m - very blocky ground
 8.4 m - shear zone
 6.0 - 8.6 m - 2% pyrite
 10.15 m - 2% tourmaline
 16.18 - 19.93 m - 1% moly in siliceous muscovite schist
 16.50 - 16.60 m - quartz veins
 20.60 - 20.68 m - quartz veins
 26.3 - 31.9 m - siliceous zone, weakly schistose
 31.8 m - dragfold
 31.9 - 34.6 m - 0.5% moly in more siliceous bands, 3% biotite, 1.5% pyrite
- 34.60 - 39.47 Bluish-grey siliceous brecciated rock (ore zone), 10% fracture controlled barite, 8% pyrite, 3% molybdenite, foliated with 2-3% muscovite.
- 36.52 - 36.58 m - quartz vein
 37.25 - 37.40 m - quartz vein
- 39.47 - 43.13 Massive medium grey feldspar porphyry dyke, 40% subhedral 3-5 mm feldspar phenocrysts, minor carbonate.
- 43.13 - 46.80 Bluish-grey siliceous laminated brecciated rock, 10% pyrite in lamellations, 4% fracture-controlled barite, 2% diss. MoS₂. Becomes increasingly more muscovite rich and schistose downhole - gradational contact with next unit.
- 46.80 - 51.30 Light grey muscovite schist, some biotite and pyrite rich lamellae, 1% diss. barite, TrMoS₂.
- 51.30 - 55.35 Light grey muscovite schist, minor cinnabar, realgar, stibnite and barite, 3% diss. MoS₂, 2% pyrite.
- 51.68 - 52.05 m - quartz vein, 3% MoS₂, 1% stibnite, 1% cinnabar
 54.00 - 55.55 m - few sulfides present except Py
- 55.35 - 60.80 Dark purplish-grey banded fine-grained sediments, 20% dark green amphibole-rich bands, 5% Aspy, 2% garnet, 1% kyanite. Core normal angle of banding @ 59.5m is 24°.
- 60.80 - EOH

V. J. Stephens

9700 N



TB 609035

10072-85-1
MOWAT FRACTION

TB 32157

LAC
MINERALS

NORANDA

TB 576849
(Restaked as TB 673887)

Sectional View

60.8 m

TB 646504

10072 LEVEL

9600 N

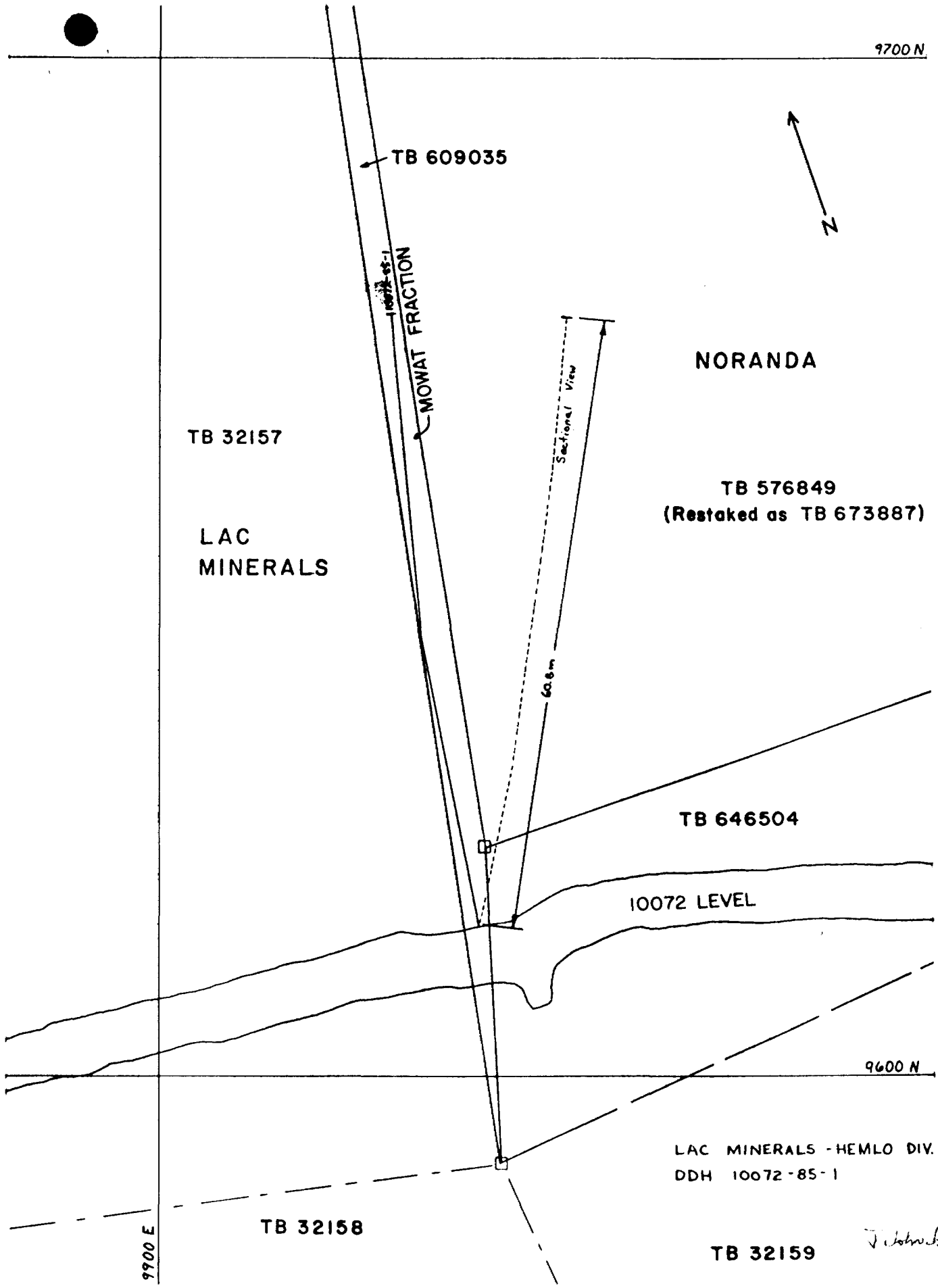
LAC MINERALS - HEMLO DIV.
DDH 10072-85-1

9900 E

TB 32158

TB 32159

J. John Stephens



GEOLOGY LOG

- 0 - 30.09 Interbanded light grey quartz eye muscovite schist and medium grey quartz eye porphyry. Both units contain minor tourmaline and pyritic laminations and have occasional thin intermediate and feldspar porphyry dykes. Core normal angle of foliation roughly 37° @ 20.0 m.
- 6.38 - 6.42 - ground core
 12.37 - 12.55 - mafic dyke
 13.00 - 13.52 - fracture zone
 23.44 - 23.89 - mafic dyke
 28.20 - 28.35 - wavy foliation - minor dragfolds
 29.23 - 30.09 - minor barite and molybdenite, 5% Py
- 30.09 - 35.12 Bluish-grey siliceous massive rock (ore zone), 20% barite in laminations, 3% MoS₂ & Py. Minor roscoelite (bright green mica), foliated and weakly schistose.
- 35.12 - 38.52 Medium grey feldspar porphyry dyke, 35% subhedral feldspar phenocrysts.
- 38.52 - 46.94 Bluish-grey siliceous massive rock, 10% barite, 5% molybdenite, 15% pyrite, foliated and weakly schistose.
- 30.09 - 35.12 - 10% MoS₂
 38.86 - 38.93 - feldspar porphyry dyke
 42.43 - 42.60 - muscovite schist zone with diss. MoS₂
 43.00 - 46.94 - little barite in this section
 44.76 - 44.79 - semi-massive pyrite band
- 46.94 - 51.54 Light grey muscovite schist, 2% stibnite blebs.
- 46.94 - 47.30 - siliceous schist with MoS₂ & minor Py, transition from lower unit to musc. schist
 48.37 - 48.41 - ground core - shear zone (?)
 49.76 - 49.79 - quartz vein with MoS₂ & realgar
 49.87 - 50.64 - several more siliceous lamellae
 50.64 - 51.01 - kyanite rich zone
 51.25 - 51.42 - pyrite blebs with black haloes
- 51.54 - 60.00 Purplish-grey banded sediments with 20% dark green amphibole-rich bands and minor kyanite, staurolite and garnet.
- 51.86 - several coarse arsenopyrite crystals
 52.06 - 53.77 - 8% garnet
 54.39 - 55.66 - intermediate dyke
 55.86 - 57.03 - intermediate dyke
 57.15 - 60.00 - 0.5% garnet, 0.5% staurolite & kyanite
- 60.00 - EOH

V. J. Stephens

9700 N



TB 609035

MOWAT FRACTION

NORANDA

TB 32157

TB 576849
(Restaked as TB 673887)

LAC
MINERALS

10072-85-2

Sectional View

TB 646504

10072 LEVEL

9600 N

LAC MINERALS - HEMLO DIV.
DDH 10072-85-2

9900 E

TB 32158

TB 32159

John Stephens



Ministry of
Natural
Resources

Report
of Work

391

Mr. Owen

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below).
- For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)"

The Mining Act

Bombay Inc. G-3173
Prospector's Licence No. **T664**

Name and Postal Address of Recorded Holder
LAC MINERALS, 2105 N TOWER, P.O. BOX 156,
ROYAL BANK PLAZA TORONTO, ONT,

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim		Work Days Cr.	Pr
	Prefix	Number		
213.4				
For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey				
		TB 609035	13.9	
		TB 609035	199.5	



42C12NW0150 14 BOMBY

900

All the work was performed on Mining Claim(s): **TB 609035 AND TB 32157 NA WORK ASSIGNMENT**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

ONTARIO GEOLOGICAL SURVEY
ADJUDICATION FILES
RESEARCH OFFICE

SEP 25 1985

RECEIVED

Date of Report July 18, 1985	Recorded Holder or Agent (Signature) <i>P. Waldorf</i>
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Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
PHILLIP WALFORD, BOX 146, MARATHON, ONT P0T 2E0

Date Certified July 18, 1985	Certified by (Signature) <i>P. Waldorf</i>
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Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	1	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.		Nil

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
(R) Sec. 36/80	W38/B1	13/4/81	S.R.O.	145647
(R) Sec. 36/80	W30/83	26/6/83	SR+M.R.	131830
(R) Sec. 36/80	W20/84	24/7/84	H.R.O.	186541

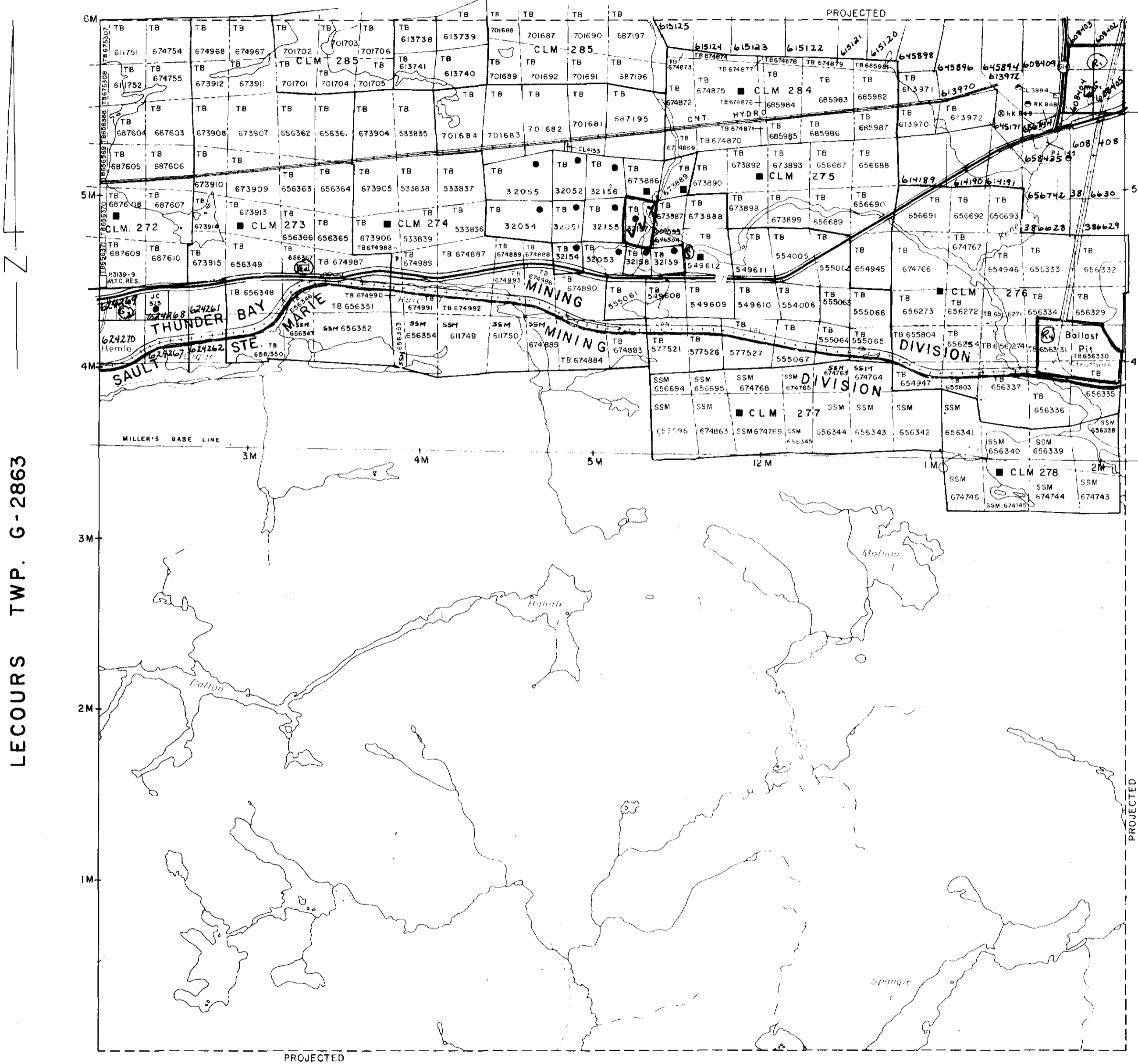
SAND & GRAVEL

- (C) M.T.C. Pit 342
- (C) Gravel File 145647
- (C) Sand & Gravel - Q.P. No 16590

EASEMENTS

- (E) Lands affected by a rights & easements Order of the Mining & Lands Commissioner under Sec. 189 of The Mining Act (R.S.O. 1980) Dated August 3/84.

WABIKOBA LAKE G-620



M. J. Owen

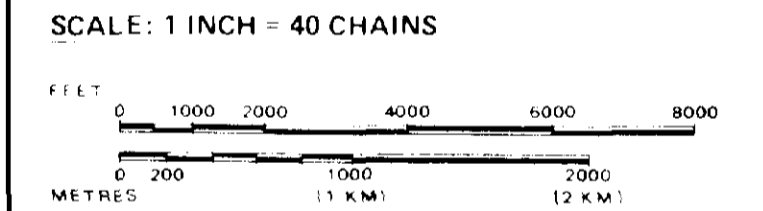
LEGEND

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

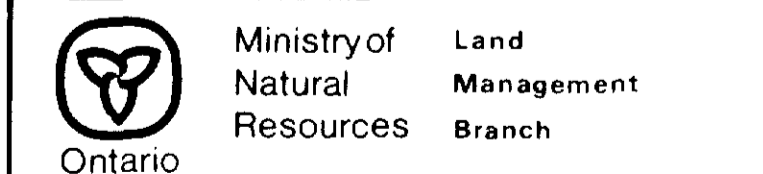
DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◼
" MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	◔
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊕

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912 VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



TOWNSHIP
BOMBY DDR # 14
 M.N.R. ADMINISTRATIVE DISTRICT
TERRACE BAY / WAWA
 MINING DIVISION
SAULT STE. MARIE / THUNDER BAY
 LAND TITLES / REGISTRY DIVISION
THUNDER BAY



Date: AUGUST, 1984
 Number: **G-3173**
August 8, 1985.

