

42L06NE0018 2,6868 0'SULLIVAN LAKE

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PRELIMINARY REPORT ON THE O'SULLIVAN LAKE AREA ONTARIO PROPERTY 0F SYNGOLD EXPLORATION INC.

November 1983

RECEIVED

JUN 1 8 1984 MINING LANDS SECTION J.B. Hinzer



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Summary

Syngold Exploration Inc. carried out a reconnaissance geological mapping program on its lll claim gold property located at O'Sullivan Lake, approximately 170 miles northeast of Thunder Bay, Ontario, during August and September, 1983. The objective of this work was to evaluate the potential of the property as a host to syngenetic gold mineralization as suggested by previous work carried out on the property.

The southern 2/3 of the property is underlain by interbedded massive and pillowed andesite flows with numerous cherty and porphyritic interflow tuffites. Several granitic and felsic porphyritic sill-like intrusives are located in the center of this mafic sequence which may be the locus of a major anticlinal fold axis. North of the mafic sequence is a 1/4 mile wide succession of felsic and intermediate metavolcanic tuff and lapelli tuff which has been intruded by several narrow gabbroic sills centered on a <u>graphitic-sulphide horizon</u>. The northernmost portion of the property is underlain by metasediments which have been intruded by numerous pegmatites.

Structurally the rocks are strongly sheared in an east-west direction and appear tightly isoclinally folded. Faulting in both an northerly and north westerly direction displaces the stratigraphy.

Fifty rock samples collected during the course of the mapping contained anomalous gold values in the range 30 to 240 ppb. All the anomalous samples are from tuffites, felsic tuffs and felsic intrusive sills or pegmatites. These felsic volcanics and intrusive rocks together with the overlying metasediments constitute an environment similar to that which hosts the Hemlo gold deposits.

The O'Sullivan Lake property is located adjacent to the north of the Consolidated Louanna Gold Mines deposit which is currently in production. This deposit occurs in an east-west shear zone where it is intersected by a north trending fault. A similar environment occurs in the area of Pfeiffer Point on the Syngold property.

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The geologic program confirms the high potential of the property for economic gold deposits and a 2 stage exploration program consisting of geological geochemical and geophysical surveys to be followed by diamond drilling is recommended. A budget of \$250,000 over 2 years will provide for this exploration program.

50 rock samples contained 0.001 oz. Au per ton or more. All the anomalous samples are from tuffite zones sheared felsic tuffs and porphyries or porphyritic and pegmatitic dykes in the metasediments.

Gold mineralization at the only producer in this area (Consolidated Louanna Gold Mines) is contained in an east-west trending shear zone in pillowed andesite intruded by several quartz porphyry sills near the intersection of a north bearing fault zone.

Reconnaissance geological mapping of Syngold's property has identified a similar setting at Pfeiffer Point. An east-west trending shear zone outlining a tight isoclinal fold axis passes through the pillowed andesite and is intruded by several quartz porphyry sills and is intersected by the same fault which passes through the mine. Several parallel faults located further east also cross this same shear zone. Weakly anomalous gold values up to 0.008 oz. Au per ton along this structure makes this a very favourable structure.

The felsic metavolcanic sequence and overlying metasediments along the upper Kawaskagama River and at Superb Lake constitute an environment similar to that found at the main Hemlo deposits. Weakly mineralized (pyritic) felsic tuffs present in this area contained above background gold values assaying up to 0.004 oz. Au per ton. Pegmatites and porphyries intruding the immediately overlying sheared metasediments contain similar gold values. The location and sampling of areas of more concentrated sulfide mineralization is well warranted.

Anomalous gold concentrations of 0.001 to 0.007 oz. Au per ton were also obtained from several carbonaceous tuffite horizons, more detailed prospecting along these structures is also warranted. The geologic program confirms the high potential of the property for economic gold deposits and a 2 stage exploration program consisting of geological, geochemical and geophysical surveys, to be followed by diamond drilling is recommended. A budget of \$250,000 over 2 years will provide for this exploration program. The geologic program confirms the high potential of the property for economic gold deposits and a 2 stage exploration program consisting of geological, geochemical and geophysical surveys, to be followed by diamond drilling is recommended. A budget of \$250,000 over 2 years will provide for this exploration program.

INTRODUCTION

During the period from August 10 to September 3, 1983 the author, assisted by H. Hinzer, carried out a reconnaissance geological mapping and rock geochemical sampling program on Syngold Exploration Inc.'s 111 claim gold property located at O'Sullivan Lake, Ontario. Geochemically anomalous gold values were obtained from several pyritic, carbonatized interflow tuffs and from a 1000-2000 foot wide belt of siliceous locally pyritic metavolcanic tuffs, fragmentals and metasedimentary schists centred on the upper Kawaskagama River.

Local concentration of sulfides in interflow tuffs, within the felsic metavolcanics and metasediments along the Kawaskagama River, and in the major shear zone at Pfeiffer Point, are considered to be excellent target areas for more detailed exploration, to locate economic concentrations of gold meneralization.

PROPERTY DESCRIPTION

Claims

The property consist of 111 contiguous unpatented mining claims located in the O'Sullivan Lake area (G-362) in the Mining District of Thunder Bay Ontario (Figure 1). The claims Nos. TB 772014-82 inclusive, TB 772084-95 inclusive and TB 772104-30 inclusive were recorded on June 15, 1983 (Appendix 2).

Property Location and Access

The O'Sullivan Lake area is situated northeast of Lake Nipigon approximately 170 air miles northeast of Thunder Bay Ontario at Lat. 50° 30' and



Long. 87^o (N.T.S. 42 E12). Road access via paved secondary highways leading north from Trans Canada Highway No. 11 at Geraldton for approximately 48 miles to Cavell connect with all weather Kimberly Clarke gravel access roads. Consolidated Louanna Gold Mines Ltd. and several tourist camps are located on the east side of O'Sullivan Lake approximately 18 miles north of Cavell (Fig. 1). The claim block is easily reached by boats available from the tourist camps. For this survey O'Sullivan Lake outfitters on the Kawaskagama River was found to be best suited. Present lumbering activity north of O'Sullivan Lake has also opened a cutting road which extends just into the north-west corner of the claim block providing good winter access.

Topography

Topographic relief on the property is low. Occasional resistant gabbro ridges and eskers provide local relief up to 25 feet. Outcrop exposure is very good with over 40 percent rock exposure. Only the northern portion, north of the Kawaskagama River underlain by sediments and granite is poorly exposed.

Railway, hydroelectric power and infrastructure are located approximately 18 miles south at Nakina. Consolidated Louanna Gold Mines Ltd. adjacent to the southeast is now in production operating a small 150-200 ton per day mill. Future producers in the area may benefit from its central location.

HISTORY

Geological mapping of the area has been conducted by both federal and provincial surveys. W.J. Wilson & W.H. Collins G.S.C. 1904, P.E. Hopkins O.D.M. 1916, L.F. Kindle O.D.M. 1929, 1930 and W.W. Moorehouse 1955. Gold and copper mineralization was first discovered in the 1920's. Scattered exploration efforts between 1930 and 1945 culminated in a local staking rush when Osulake Mines Ltd. started to develop its gold showing. A shaft was sunk to the 300 foot level with development work on the 150 and 300 foot levels but operations were closed down in 1950 with no recorded production. Since that time several attempts have been made to bring the property into production. In 1975 the shaft was deepened and the 450 level was opened up by Consolidated Louanna Gold Mines Ltd. In 1981 the latter company failed again to achieve production. Currently Mining Corp. of Canada as operator is reported to be removing 90,000 tons of material at 0.33 oz./ton on a salvage operation basis. Personal studies by the author in 1975 indicated possible geological reserves at 500,000 tons averaging better than 0.15 oz. Au per ton to the 550 foot level.

Between 1950 and the present the area has been explored for both base and precious metals by many large and small companies with little or no success.

Previous exploration on the claim group was carried out by Chimo Gold Mines Ltd. in the late 1940's. A 13 foot wide mineralized zone of sheared tuff and porphyry was reported to carry gold values. Some drilling and stripping was done but no data is available. Trans-American Mining Corporation Ltd. exposed several rhyolitic tuff bands with small quartz lenses. Results of trenching and diamond drilling done on the property in 1946 are not available. Sulmac Mines Ltd. drilled several holes in 1950's just south of the Kawaskagama River just west of Superb Lake. Results reported show up to 0.15% Cu in semi-massive sulfides associated with a graphitic tuff zone, no gold assays were taken. Amax conducted an airborne geophysical survey over the eastern part of the claim area in 1980. Although a ground follow up survey was completed no further work was recommended.

Stanford Mines Ltd. drilled one hole south of Peter Is. immediately west of the claim group in the 1960's. Drilling intersected approximately 100 feet of carbonatizied felsic tuff and porphyry with minor local pyrite and graphitic beds. No assays were released. Further west similar zones were examined for Au & base metals by New Athona Mines, in the 1950's and 1970's, and Mattagami Lake Exploration Ltd. in the mid 1970's, Low Cu, Zn. Pb values were reported but no significant base or precious metal results were obtained.

GENERAL GEOLOGY

The area is underlain by Archean metavolcanics and metasediments belonging to the Wabigoon Belt. Locally interbedded massive and pillowed mafic flows are overlain by a narrow belt of felsic to intermediate tuffs and metasediments.

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The volcanics are locally intruded by sills and dykes of gabbroic to granitic composition. Late stage granite massifs are located north and south of the metavolcanics. Metamorphic grade varies from greenschist in the central belt to at least upper amphibolite adjacent to the granite bodies (Map 2) - Strong east to northeast shearing dominates the structure, and numerous faults dissect the area.

Structure

All the rocks are highly sheared in an easterly direction bearing $070^{\circ}-085^{\circ}$. Locally this shearing (especially in the southeast) has been turned to $030^{\circ}-045^{\circ}$. The presence of several identified and many other assumed north trending $010^{\circ}-030^{\circ}$ faults especially in the southeast may account for this shift in shearing. A second set of faults with a west to northwest trend is observed in the upper portion of the property.

Evidence of tight isoclinal folding is present in many localities. One major isoclinal fold axis - and shear zone has been traced for almost $\frac{1}{2}$ mile east from Pfeiffer Point. This fold axis appears to be related to the major quartz porphyries and granite sill like intrusives in the centre of the mafic belt. From west to east increasingly lower sections of the volcanic pile are exposed.

Stratigraphy

<u>The mafic sequence</u> extends across almost the entire property and is volumetrically the largest rock unit exposed (Fig. 2). It consists primarily of mafic (andesitic) flows, minor tuffs, and numerous narrow interflow tuffites. A major granitic sill intrudes the eastern half of this unit near its centre. Two significant felsic porphyry sills extend across the western half of the property, one just north and one just south of the centre of the mafic sequence.

Pillowed andesite flows constitute between 65-70 percent of this sequence. Low water levels have revealed numerous additional exposures of pillowed lava

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	MAJOR UNITS	SUB UNITS	<u>WIDTH</u>
GRANITE			
SEDIMENTS (3000')	Meta-schists and gneisses		
FELSIC SEQUENCE (1600')	Rhyolite-Dacite tuffs, lapilli tuff and porphyry tuff	gabbro gabbro	500' 300' 100' 300' 400'
MAFIC SEQUENCE (5000'+)	Pillowed and massive coarse flows - minor tuffs	porphyry granite porphyry	10'-200' 500'± 10'-200'

showing it to be much more extensive than previously indicated (Moorehouse 1955). Even the highly metamorphosed hornblendic andesite exhibited excellent (though highly sheared) pillow structures. Normally medium-green and fine-grained the highly metamorphosed pillowed flows exhibit numerous tiny hornblende needles aligned parallel to schistosity and a dark green-black colour.

Coarse grained massive flows make up nearly 25 percent of the sequence. Moorehouse (1955) and others described these rocks as metadiabases or diorites, but recognized that they are most likely coarse flows. As the metamorphic grade increases from south to north these flows change from coarse diorites to very coarse grained amphibolites and hornblendites.

Fine grained massive medium-green andesites which are possible finegrained massive flows or tuffs were observed only in the southern half of the mafic sequence and comprise less than 5 percent of the sequence.

Many narrow often discontinuous lensoid interflow tuffs or tuffites were also encountered. These tuffs may be up to 40 feet wide. They are always felsic (rhyolitic) in composition and are either cherty or quartz porphyritic. Almost all of these interflow tuffs identified in the northern half of the mafic sequence are carbonaceous and many of them contain up to several percent disseminated py. These units are almost always highly sheared and fresh samples are very difficult to obtain.

Two extensive quartz and quartz feldspar porphyritic sills up to 200' wide and at least one mile in length intrude the centre of the western half of this sequence. The more massive portions exhibit chilled cherty margins with coarser centres. Blue quartz eyes are locally present. Extensive quartz and carbonate veining is evident locally in the surrounding granites but no anomalous sulfide concentration or gold values were recorded. The central intrusive granite within the easterly half of the mafic sequence was also found to be quartz porphyritic and may represent the lower or granitic root of the porphyry system seen further west. No significant alteration was seen within or adjacent to this granite where traversed.

<u>The felsic sequence</u> is approximately ½ mile wide and extends east-west across the entire property. Exposure of most of this unit is obscured by overburden cover and the Kawaskagama River. It consists of felsic to intermediate metavolcanic tuff and porphyritic tuff intruded by several major gabbroic sills. Locally intermediate lapilli tuff with felsic fragments is present. The upper third of the unit is often cherty and may be interbedded with siliceous metasediments. Diamond drilling has also confirmed the presence of a graphitic-sulfide bearing zone.

The felsic volcanics encountered are equally divided between tuffaceous and porphyritic members. The tuff is fine-grained light gray and locally carbonaceous. Disseminated pyrite up to three percent is common. Tuff units are generally up to 100 feet or more in width. Porphyritic members are usually quartz porphyritic, bluish gray in colour and may be over 100 feet in width. These rocks may be locally sheared and often have variable phenocryst content. Disseminated sulfides when present are often less than one percent.

The intermediate tuff to lapilli tuff member may contain narrow (less than 50 feet wide) and sitic to dacitic tuff interbedded with the intermediate matrix-felsic lapilli unit. These rocks are usually confined to the upper third of the felsic sequence immediately north of the gabbroic intrusives and exhibit a high degree of shearing with up to 5 percent barren sulfides locally.

The upper 100-200 feet of the felsic sequence is an intimate mixture of chert or cherty tuff and siliceous metasediments. Locally these rocks are strongly altered with epidote and K-spar associated with quartz veining and local disseminated sulfides of up to 10 percent. The central portion of this sequence is intruded by two or three parallel to sub parallel gabbroic sills. These are usually coarse to very coarse-grained and are seen to exhibit chilled margins in places. The graphitic sulphide bearing horizon is intimately associated with these rocks and may have provided the weakness along which these sills were intruded.

<u>The sedimentary sequence</u> is estimated to be in excess of one half mile in width within the property boundary. Exposure is generally poor as most of the area except along the shoreline is heavily overburden covered.

The sediments for the most part are gray to brownish gray fine grained biotite schists grading rapidly into coarse biotite garnet gneisses towards the granite to the north. Within the lower 500-1000 feet of the sediments chloritic, ferrugenous and siliceous metasedimentary beds may be distinguished. Pegmatite dikes are common increasing with frequency as the granite boundary to the north is approached.

Geochemistry

A total of 234 rock samples were collected in order to identify areas of anomalous gold content for detailed exploration. All of these samples were analysed for gold by the fire assay method, 11 were analysed for Na₂O, and 4 samples were analysed for Mo, and Ba (see Appendix 1). Fifty of the samples contained values ranging from 30 to 240 ppb gold. Forty-four samples were re-assayed as a check against the original results.

This data indicates that the background gold content on the property is essentially nil and the 50 samples discussed above are therefore anomalous. The average of the assay values obtained for each sample is shown on Map No. 3.

The 11 samples analysed for Na₂O were of felsic volcanic tuffs, tuffite and porphyries. Four of these samples showed some depletion in sodium The 2 samples with Na₂O values of less than 1% Na₂O were from barren mineralized quartz veins and samples 90B and 20B which show moderate depletion were from weakly mineralized felsic tuff and porphyry respectively.

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All four samples analysed for Mo contained 2 ppm Mo or less.

Barium analyses ranged from 20-660 ppm. The Ba values increase from 20 ppm at the center of the felsic sequence to 280-380 ppm at the top of the felsic sequence to 660 ppm in the overlying metasedimentary sequence.

DISCUSSION

Previously known gold mineralization in the O'Sullivan Lake area is hosted in quartz porphyry bearing shear zones within mafic volcanic flows, at the margins of local quartz porphyry dykes and within narrow cherty, porphyritic and carbonaceous interflow tuffs. The only economic concentration located to date, the Consolidated Louanna Gold Mine, occurs within a major east-west shear structure where it is intersected by a major north trending fault zone (see Map 2).

Anomalous gold mineralization was encountered on the O'Sullivan Lake Property in a similar structure near the intersection of the northern extension of the mine area fault and a major shear zone outlining on east-west trending isoclinal fold axis, at Pfeiffer Point (see Map 1).

Highly sheared pillowed volcanics intruded by quartz porphyry dykes or sills adjacent to a major coarse-grained massive flow encountered here are identical to those previously seen by the author underground at Consolidated Louanna Gold Mines. Anomalous gold values obtained from this zone and the adjacent tuffs make this a highly favourable structure, especially since at least several other parallel north-south faults cross this same shear zone.

A second zone of anomalous gold mineralization (0.004-0.006 oz. Au per ton) centred on the upper portion of the felsic sequence, has to date received no previous exploration. The setting at or near the metasediment-metavolcanic interface is similar in many ways to the Hemlo-type of gold occurrence. Anomalous gold mineralization is found in pegmatites and porphyry dykes within the metasediments. These anomalous rock geochemical gold values should certainly be followed up.

Many of the narrow carbonated interflow tuff horizons are also anomalous in gold. Although previous exploration along these horizons failed to encounter ore grade values many additional horizons were located on the property. A detailed geological mapping and trenching program to further evaluate these zones, expecially where sulfide mineralization is present certainly is warranted.

Additional geochemical studies of Na_2O , Ba and Mo values from a selected suite of samples indicated only local Na_2O depletion of some felsic tuffite horizons. No significant Mo and Ba anomalies were located.

CONCLUSIONS

- Reconnaissance geological mapping and rock geochemical sampling recently completed on Syngold's O'Sullivan Lake property has outlined several geological settings which are favourable for the location of economic concentrations of gold.
- The gold rock geochemical study indicated a very low background of less than 30 ppb Au. Several anomalous areas up to 240 ppb were identified on the property.
- The Pfeiffer Point shear zone presents a similar geological environment to that of the producing Consolidated Louanna Gold Mine.
- The felsic sequence with its weakly anomalous gold values is geologically very similar to the Hemlo gold camp.
- 5) Carbonaceous felsic interflow tuffites similar to the ones located at O'Sullivan Lake are present in most of the major gold camps.
- Further detailed exploration of geochemically anomalous zones and structurally favourable environments is recommended.

RECOMMENDATIONS

An extensive two phase exploration program is recommended to fully evaluate the economic potential of this property.

Phase I will consist of extensive ground geophysical, geological, and geochemical surveys. A survey grid with lines spaced at 400 foot intervals running at right angles to a central base line bearing 065° is recommended to provide the best geophysical coupling.

Proton magnetometer and V.L.F. (Fraser Filter) electromagnetic surveys are recommended to locate zones of anomalous sulfide concentration within the felsic metavolcanics (Hemlo type model), and to trace favourable faults, shears and tuffites which may be mineralized.

Humus gold geochemistry and additional rock geochemical sampling should be combined with a detailed geological survey to locate favourable geological and anomalous geochemical environments.

Exploratory trenching of all anomalous zones from the above surveys should be carried out where possible.

Phase II a program of shallow diamond drill testing of all significant surface anomalies must be carried out to complete the preliminary evaluation.

<u>COSTS</u>

Phase I

Phase II

Line Cutting 92 miles @ \$250	\$23,000
Proton Magnetometer 90 miles @ \$120	10,800
V.L.F. (Fraser Filter) 90 miles @ \$130	11,700
	\$45,500
Geological Surveys	
- Mapping (travel, accom., salaries e	tc.) \$25,000
- Geochemistry	7,500
- Trenching and Sampling	8,000
- Assays	4,000
- Report Preparation	4,000
	\$48,500
Administration	\$ 3,000
Contingencies	4,000
	\$ 7,000
Total Phase I	\$100,000
Diamond Drilling	ta or
- 5,000; 0 \$25	\$125,000
- Engineering	10,000
- Acc. Travel. Exp.	6,000
- Assays	4,000
- Super. Report Prep.	5,000
Total Phase II	\$150,000
GRAND TOTAL Phase	I + II \$250.000

Appendix I

.

ASSAYS

K-RAY ASSAY LABORATORIES 09-SEP-83 REPORT 18869 REF.FILE 14711-M4 PAGE 1 DF 4

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	SAMPLE	AU DZ/TON	Au oz/ton RERUN	Na20%	Mo ppm	Ba ppm	FIELD NO.
	2601	NI!					100
	2602	NIL					100A
	2603	NIL					101A
	2604	NIL					1010
	2605	NIL					101F
	2606	NIL					102
	2607	NIL					104
	2608	NIL					105
	2609	0.003	NIL				107
	2610	NIL					108
	2611	0.004	NIL				109B
	2612	NIL					1090
	2613	0.015	NIL				109A
	2614	NIL					1100
	2615	NIL					111A
	2616	NIL					112
	2617	0.003					113
	2618	NIL			•		115
	2619	NIL					116A
	2620	NIL					116B
	2621	NIL					1160
	2622	0.003					. 94
	2623	NIL					117A
	2624	NIL					118A
	2625	TRACE	NIL				118B
	2626	NIL			,		108A
	2627	NIL	NIL		•		119A
	2628	NIL	NIL				119B
	2629	NIL					1190
	2630	NIL	,		•		93
	2631	NIL					117B
	2632	NIL					93A
	2633	TRACE					93B
	2634	NIL					96A
	2635	NIL					966
	2630						90 06D
	2021					•	900
	2630	NTI					00
	2640	TRACE					חומו
	2641	NII					1015
	2642	NIL					106
	2643	NIL					114
	2644	NIL					110E
	2645	0.001					103
	2646	0.002					120
	2647	NIL					120A
	2648	NIL	NIL			20	121
	2649	NIL				-	127
	2650	NIL	NIL	3.47		280	128
•							

X-RAY ASSAY LABORATORIES 09-SEP-83 REPORT 18869 REF.FILE 14711-M4 PAGE 2 DF

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	SAMPLE	AU OZ/TON	Au oz/ton RERUN	<u>Na20%</u>	<u>Mo ppm</u>	<u>Bappm</u>	FIELD NO.
	2651	NIL					131
1	2652	NIL					130
	2653	0.002					1320
	2654	0.002					133B
	2655	TRACE					132A
	2656	0.004				;	132B
	2657	NIL					133A
	2658	0.004					134
	2659	0.004	NIL	406			135
	2660	0.003					1358
	2661	NIL					137
	2662	NIL	A1 7 1				1290
	2663	NIL	NIL				1298
	2664	NIL	NIL				129
	2665	NIL					120
	2666	NIL	N T I	400		380	122
	2667	NIL		400		000	1224
	2668	0.005	NIL				129
	2009						126A
	2070						139
	2011						140
	2672	NTL					141
	2674	NTI					142
	2675	NIL					144
	2701	NIL					2
l.	2702	NIL					3
	2703	NIL					5
	2704	0.004		,			6
	2705	0.002					9
	2706	NIL		-			
	2707	NIL					13
	2708	NIL				•	148
	2709	NIL	-				140
	2710	NIL	Ir				15
	2711	NIL					16B
	2712	NIL					10
	2713	NIL					20
	2714	IRACE	NIT I	0.26	1		20 20A
	2715	0.001	NIL	2 27			20B
	2710		NIL	2.21			22
	2718						23
	2110						25
	2720	NII					26
÷	2720	NIL					27
	2722	NTI					49
	2722	NI	NT1				49-1
	2724	NTI	NTI				49-2
	2725	TRACE	Tr				49-3
		· · · · · · ·					

A-RAY ASSAY LABORATORIES 09-SEP-83 REPORT 18869 REF.FILE 14711-M4 PAGE 3 DF 4

	SAMPLE	AU OZ/TON	Au oz/ton RERIIN	Na 20%	Mo ppm	Ba ppm	FIELD NO.
				<u></u>	···· PP····		
	~ 2126		ir				49-4
	2121		NIL				49-5
	2728	NIL	NIL				49-6
	2129		NIL				49-7
	2150	0.004					30
	2722	0+004 N.L.I					JUA .
	2152						32A 21
	2133						31 . 22
	2134	TDACE					32
	2135	NII					377
	2730	0.001					374
	2728	TRACE					36
	2729	NII					37
	2740	0.001					38
	2741	TRACE					39
	2742	NIL					40
	2743	TRACE					40A
	2744	0.002					41
	2745	TRACE					42
	2746	NIL				. *	44
	2747	NIL					51
,	2748	NIL					55
	2749	NIL					52
	2750	NIL					53
	2751	NIL					43
	2752	0.001					45
	2753	0.002					46
	2754	NIL					56
	2755	0.001	NIL	Ø.93			69C
	2756	0.004	0.004				69B
	2757	NIL	NIL	4.80			69A
	2758	NIL					62A
	2759	NIL					62D
	2760						680
	2761	NIL					63
	2162	NIL					5/
	2103	NIL					50
	2104	NIL					- 59
	2765	NIL					62
	2767	NTI					620
	2768	NTL					66B
	2769	NIL					660
	2770	NIL					67
	. 2771	NIL					68B
	2772	NIL					70A
	2773	NIL	NIL				70B ·
	2774	NIL	NIL				70C
	2775	NIL	NIL				71

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	SAMPLE	AU DZ/TON	Au oz/ton RERUN	Na20%	Mo ppm	Ba ppm	FIELD NO.
	2776	NIL					75
i	2777	NIL					77
	2 7 7 B	NIL					76
	2779	0.002					77C
	2780	NIL					77B
	2781	NIL					79
	2782	NIL					82
	2783	NIL					81
	2784	NIL					83
	2785	NIL					82A
	2786	NIL					82B
	2787	NIL					85
	2788	0.006	0.007				90A
	2789	NIL		1.71			90B
	2790	0.001-					90C
	2791	NIL					91
	2792	NIL					92A
	2793	NIL					92B
	2794	0.003	NIL	4.38	21		92C
	2795	TRACE					92D
	2796	TRACE					94
	2797	NIL					. 96B
	2798	NIL					99D
	2799	NIL					99B
	2800	NIL					99E

LABORATORIES 30-SEP-83 REPORT 19131 REF.FILE 14901-J6 PAGE 1 OF 2

	MPLE	AU OZ/TON	Au oz/ton RERUN	Na20%	Mo ppm	<u>Ba</u> ppm	FIELD NO.
	1020	TRACE					170A
	1001	0.002-					170B
	1002	NIL					170B2
	1003	NIL					170BB
	1004	0.003-					17ÓC
	1005	NIL				660	1 71
	1006	NIL					1720
	1007	NIL					172D
	1008	TRACE					173
	1009	NIL					180A
	1010	NIL	NIL				180B
	1011	NIL	NIL				1800
	1012	NIL	NIL				180D
	1013	NIL					180E
	1014	NIL					1806
	1015	NIL					182
	1016	IRALE					103
	1017	0.002	NTI				1968
	1018		NIL				187
	1019						1884
	1020	NIL					1894
	1021	NTI					189B
	1022	NII					190
	1024	NTI					192
	1025	NIL					194A
	1026	NIL					196
	1027	NIL					197
	1028	0.002					198A
	1029	TRACE					198
	1030	TRACE					199
	1031	NIL	NIL	3.37			200A
	1032	0.005	NIL	5.13	2		200B
	1033	0.002					202
	1034	NIL					203
	1035	0.001					204
	2676	0.001					161
	2677	0.002					155
	2678	IRACE					150A 156P
	2679	NIL					1505
	2680	0 003	N T I				157R
	2051	0.0000	NIL		ŧ		158B
	2002	NIL 0-003	NTI	,	2		1580
	2003	N11			2		158E
	2007	NT L					158F
	2000 9686	NII					158G
	2000	0.002	NTI				158H
-	2607	0.006	NIL				1581
	2689	0.002					159A
			•				

TAY LABORATORIES 30-SEP-83 REPORT 19131 REF.FILE 14901-J6 PAGE 2 OF 2

•	FIELD NO.	Ba ppm	<u>Mo ppm</u>	Na20%	Au oz/ton <u>RERUN</u>	AU OZ/TON	AMPLE	S
	162B					NIL	2690	υ β
	160					NIL	2691	
	161A					NIL	2692	1
	162A					0.001	2693	4
	· 163					0.001-	2694	
	164					NIL	2645	,
	163A					0.001-	2696	A
	165					NIL	2697	٢
	166					NIL	2698	4
	163 164 163A 165 166					0.001 NIL 0.001 NIL NIL	2695 2694 2695 2696 2697 2698	4 5 6

Appendix II

CLAIM MAP

ATENT SUPACE & MINING RIGHTS	· · · · · · · · · · · · · · · · · · ·			····	•			- 8
SUBFACE RIGHTS ONLY 0 MINING RIGHTS ONLY 0 SUBFACE RIGHTS ONLY 0 MINING RIGHTS ONLY 0 MIRE RIGHTS ONLY	PATENT, SURFACE & MINING RIGHTS						~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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BMITTED T	O: NGN DE YPIORATIONS INC					CUSTONER N	0. 651 E WORK ORDER W	DATE SUBMITTED
AT C/	TN: J. GILL O AUR RESOURCES				18904	13-SEP-83	14744	31-AUG-83
33 TO	io Bay Street, Suite 1609 Ronto, Ontario MSH 288				TERMS NET 30 D 1. 5% PER Month	ays I interest on	ACCOUNT OVER 30 DA	YS
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ORIGIN	AL INVOICE	Charge -	Trownork	y Pr	oject.	TOTAL	CANADIAN SIFUNDS OK UP CCS, UP	\$ 211.80 ↓ σ € J

XRAL	1885 L ESU	Y ASSA	Y LAE	BORATOR	IES
INVOICE TO: SYNGE EXPLORATIONS INC ATTN: J. GILL	1000 LEOLI	COPY TO:	WILLO UNIA	Re f	le#2.6868
C/O AUR RESOURCES 330 BAY STREET, SUITE 1608 TORONTO, ONTARIO			•		
SUBMITTED TO:		· · ·	CUSTOMER	NO. 651	· · · ·
SYNGOLD EXPLORATIONS INC ATTN: J. GILL C/O. AUR RESOURCES		INVOICE NO. 19679	INVOICE DAT	15315	0. DATE SUBMITTED 28-0CT-83
330 BAY STREET, SUITE 1608 TORONTO, ONTARIO M5H 2SB		TERMS NET 30 1.5% PER MONT	days Th interest (TERMS	DAYS
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Ministry of Re	port of Work							
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Type of Survey(s)	agical and Good	homica	1		Township	or Area	aka Anaa /i	2621
Claim Holder(s)		nem r.ca	I		0 30	Prospecto	are Area (1-3027
J. B	. Hinzer,					H	11391	
Address 7005	Barker Street.	Niaga	ra Falls.	Ontario	L2G 175			
Survey Company				Date of Surv	ey (from & to)		Total Miles of lin	• Cut
	· · · · ·		·	Dey Mo.	Yr. Day	Mo. Yr.		
Name and Address of Author (J. B	of Geo-Technical report) . Hinzer as abo	ve			ан та на се стали. Стали се стали			
Credits Requested per Each	Claim in Columns at r	ight	Mining C	aims Traversed	l (List in nur	nerical sequ	ence)	
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For first survey:	- Electromagnetic							
Enter 40 days. (This includes line cutting)	- Magnetometer							
For each additional auropau	- Radiometric							
using the same grid:	- Other							
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Man Days	Geochemical	Dave per						-
Complete reverse side	Geophysical	Claim						
and enter total(s) here	• Electromagnetic			and the second s				
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Note: Special provisions	Electromagnetic							
credits do not apply to Airborne Surveys.	Magnetometer			JIII	N3V			
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Calculation of Expenditure Day	vs Credits	Total						
Total Expenditures	Γ Γ	s Credits	and the second second			t i a si	<u>k.</u>	
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Instructions Total Days Credits may be a	poortioned at the claim f	older's				report of	work.	///
choice. Enter number of day in columns at right.	s credits per claim select	ed	Total Day	For Office Use Cr. Date Record	ed	Mining R	ecorder	a
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June 8, 1984	ecorded Holder or Agent (Signature) 스	2220	10	o man	ind it	tennot	
Certification Verifying Repo	on of Work					myn M	Vume/IV	
I hereby certify that I have a	a personal and intimate ki	nowledge o	of the facts set f	orth in the Repo	ort of Work ann	exed hereto,	, having performed	the work
Name and Postal Address of Pe	uson Certifying		mexed report is		<u> </u>			
J. B. Hinzer	······································						1	
7005 Barker St	., Niagara Fall	s, Ont	. L2G 1Z5	Date Certific June 8	, 1984	Certifier	by (Signettore)	
1362 (81/9)			······································				_//	

aim numbers

ΤB	772014,	ΤB	772015,	ТΒ	772016,	ΤB	772017,	ΤB	772018,	ΤB	772019,
ΤB	772020,	ΤB	772021,	ΤB	772022,	ΤB	772023,	ΤB	772024,	TB	772025,
TB	772026,	TB	772027,	ΤB	772028,	TB	772029,	TB	772030,	TB	772031,
TΒ	772032,	TB	772033,	ΤB	772034,	ΤB	772035,	TB	772036,	TB	772037,
TB	772038,	TB	772039,	ΤB	772040,	ТΒ	772041,	ТΒ	772042,	TB	772043,
TB	772044,	TB	772045,	ΤB	772046,	TB	772047,	TB	772048,	TB	772049,
TB	772050,	TB	772051,	ΤB	772052,	ΤB	772053,	TB	772054,	TB	772055,
TB	772056,	ΤB	772057,	ΤB	772058,	TB	772059,	TB	772060,	TB	772061,
TB	772062,	ΤB	772063,	ΤB	772064,	ΤB	772065,	ΤB	772066,	TB	772067,
TB	772068,	TB	772069,	ΤB	772070,	TB	772071,	TB	772072,	TB	772073,
ΤB	772074,	ΤB	772075,	TB	772076,	TB	772077,	ΤB	772078,	TB	772079,
TB	772080,	TB	77,2081,	ΤB	772082,	ΤB	772084,	TB	772085,	TB	772086,
TB	772087,	TB	772088,	ΤB	772089,	ΤB	772090,	TB	772091,	TB	772092,
ΤB	772093,	TB	772094,	ΤB	772095,	TB	772104,	TB	772105,	TB	772106,
TB	772107,	TB-	772108,	ΤB	772109,	ΤB	772110,	TB	772111,	TB	772112,
TB	772113,	ΤB	772114,	ΤB	772115,	ΤB	772116,	TB	772117,	TB	772118,
ΤB	772119,	ΤB	772120,	TB	772121,	ΤB	772122,	TB	772123,	TB	772124,
TB	772125,	ТΒ	772126,	ΤB	772127,	ΤB	772128,	ΤB	772129,	ΤB	772130,
TB	772131,	ТΒ	772132,	ΤB	772133						

		W 8 4	404 -	Y.	a m	una	ent	Jubar
Ministry of Ran	ort of Work		LID.	3 "	nstructions: -	- Please type or a	print.	171
Natural Resources	ophysical, Geological.	and the	- 67-		17 TH 18 19 19 19 19 19	= If number of a	mining clain n this form	ns.:traversed
-Ontar Geo.	chemical and Expend	litures)			Note:	-Only-days-cre	vdits calcula	ted in the
	1: 772-21		The Minin	19 Act 12.6	868]	in the "Expen	id. Days Cr.	" columns.
Type of Survey(s)	<u>. 14031</u>	(1			Township) or Area	Delo	
Claim Holder	HEMICAL	V4SSA	<u>4Y)</u>	 .	0'Sc	Allivan La	Ke HR	EA (G-3
, R LL	inzer					H 11 2	391	7
Address	- 0		- 11	-101 5	· c 0	1/	<u>''</u>	- <u>-</u>
SULLEY COMPANY	ISARKI:	<u>-R S7.</u>	. IVIAE	SAKA TAL	-3 01	vi. L'é	~ /Z	
Y-RAY D	ISSAY LAR			89 09	83 18	// 83 Total	wires of line	JUI
Name and Address of Author (o	of Geo-Technical report)			, uay Mó.	Day			
Cradies D-	J. 13. Hiv	12er			1 5	oria-1]
Special Provisions	George Columns at I	Dave	Mining	Liaims Traversed (Mining Claim	Expend	ierical sequence)	Claim	Exner
For first surmer	Geophysical	Claim	Prefix	Number	Days Cr.	Prefix	Number	Days Cr.
Enter 40 days. (This	- Electromagnetic		TB	772031	12			1
includes line cutting)	Magnetometer			772038	112			
For each additional survey:	- Radiometric			772037	12			
using the same grid: Enter 20 days ffer an 41	- Other			בשחברר	12			
Lo Joys (for each)	Geological			DD2050	12			
}	Geochemical	<u> </u>		772052	$+ \frac{1}{1} $			
Man Days	Geonhusiert	Days per		110033	+14			-+
Complete reverse side		Claim	Electric test en basis automatication basis automat	172056	+12			-+
and enter total(s) here R	F C ETVED			772057	12			
	- Magnetometer	l	a setting	1772065	12			
Ì	Radiometric	1	and the second	772066	12			1]
· · · ·	Other	141		772081				1
MININ	LANUS SECTI	ym		772087	12	1 1		
	Geochemical			522000	14			
Airborne Credits	1	Days per		1,000			<u></u>	
Note: Special provision	Electromannetie						<u></u>	
credits do not apply	Magnete				+			╁──┤
to Airborne Surveys.	ynecometer	 			- <u>+</u> -			W
Expandieurs	radiometric							´
Type of Work Performed	u surpping)						No the	Kfr
				§	1	5	with with	1]
rerformed on Claim(s)							MADON	
				No. of the second secon			1	
				1	-1			
Total Expenditure Days	s Credits	Total						
\$ 73 Da		58	Action 19	a		7	(ا	
<u>14 ~ 3 10, 65</u>	<u> </u>	·~	١			sotal number claims covered	by this	137
Total Days Credits may be an	portioned at the claim h	older's		For Office	Joly	wpurt of work		
choice. Enter number of days in columns at right.	s credits per claim selectu	ed and and a set	Totel Dev	ve Cr. Date Recorded	هار معطوعات المراجع و مع معادر المعاد الم معاد المعاد ا	Minine Records		
		1	I riecorde	B10.19	184	Andrein	11 Ala	yes
Des 12/24 Rec	corded Holder of Agent (oignature)	123	Pete Approved	as Hecologo	Stenet Disfere	J	×.
Certification Verifying Rende	tt of Work							
I hereby certify that I have a	personal and intimate kr	nowledge of	f the facts set	forth in the Report	of Work anne	axed hereto, having	g performed t	the work
or witnessed same during and Name and Postal Address of T	vor atter its completion	and the ann	wxed report i		~	100	2	
JB. Hinzer	1005 Barks	a St.	Niv;	gara Falls	Onl.	x26 /.	د ے ا	
			¥	Date Certified	2	Certified by (Si	grature)	
382 (81/9)					5/84	1/4		
	March 11	*****		NT 1.1 4	-		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	

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Ministry of Natural Resources

File_

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) 6 en/09	calt Geochemical	
Township or Area OSulli	van Lake Area	
Claim Holder(s) $-\frac{1}{8}$	HIDZER	MINING CLAIMS TRAVERSED
		List numerically
	······································	
Survey Company		(prefix) (number)
Author of Report	nzer	, , , , , , , , , , , , , , , , , , ,
Address of Author 7005	ARKER ST IVIAGARATAU	,Ontario
Covering Dates of Survey Aug	6 to Sept 31 1983	
J	(linecutting to office)	See attached list
Total Miles of Line Cut		
SPECIAL PROVISIONS	DAYS	
CREDITS REQUESTED	Geophysical per claim	
ENTER 40 down (in aludar	Electromagnetic	
line cutting) for first	Magnetometer	
survey.	-Radiometric.	
ENTER 20 days for each		
additional survey using	Geological 14	
same grid.	Geological	
	Geochemical	·····
AIRBORNE CREDITS (Special pr	ovision credits do not apply to airborne surveys)	
MagnetometerElectrom	agnetic Radiometric	11V - 3
(entr	er days per claim)	-1111kin - 100
DATE: May 18,1984 SIG	NATURE:	GLANN SON
	Author of Okeport or Agent	SECTION SECTION
	V	·····
	21938	
Res. GeolQua	lifications <u><u> </u></u>	TERT IN THE SAY
Previous Surveys		DEGENVEN
File No. Type Date	Claim Holder	
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
		7 Q C 30 45 10 1 2 0 1
		المربوب مي موجود مي معرف معني محمد معني معرف معرف معرف معرف معرف معرف معرف معرف
	••••	
·····	••••	
[·····	•••••••••••••••••••••••••••••••••••••••	TOTAL CLAIMS1\\

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

	GEOPHYSIC	AL TECHNICAL D	DATA	
!	GROUND SURVEYS – If more than one survey, sp	ecify data for each	type of survey	
N	umber of Stations	Number	of Readings	· · · · · · · · · · · · · · · · · · ·
S	tation interval	Line spa	acing	
Р	ofile scale	•		
C	ontour interval			
	Instrument			
g	A course y - Scale constant		······································	
NE	Diurnal correction method	<u></u>		
AG	Base Station check in interval (hours)			
R	Base Station location and value		a 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 199	
	base Station location and value		······································	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
g	Instrument			
ETI	Coil configuration			
CN	Coil separation			
WA	Accuracy			
RO	Method:	Shoot back	🗖 In line	Parallel line
ECI	Frequency			
EL		(specify V.L.F. station)		
	Parameters measured			
	Instrument			
	Scale constant			
Z	Corrections made			
IVI				
GRA	Base station value and location			
_				
	Elevation accuracy			
	Instrument			
Z	Method 🔲 Time Domain		Frequency Domain	
<u>II</u> O	Parameters – On time	Frequency		
Σ <u>A</u>	– Off time		Range	
ARI	– Delay time			
OLI M	- Integration time			
D P ESI	Power	· · · · · · · · · · · · · · · · · · ·		
<u>JCE</u>	Electrode array	-		
JUY	Electrode spacing			
1	Type of electrode			
	· / Pc Or citchiouc			

100

の日本の



<u>DELLI TOTIMUTIME</u>	
Instrument	
Survey Method	
Corrections made	
RADIOMETRIC	
Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
Overburden	
(type	, depth — include outcrop map)
OTHERS (SEISMIC, DRILL WELL LOGGING	G ETC.)
Type of survey	
Instrument	
Accuracy	······
Parameters measured	
Additional information (for understanding resul	lts)
AIRBORNE SURVEYS	
Tupe of survey(s)	
Type of survey(s)	
(spec	ify for each type of survey)
Accuracy(spec	ify for each type of survey)
Aircraft used	
Sensor altitude	
Navigation and flight path recovery method	
Aircraft altitude	Line Spacing
Miles flown over total area	Over claims only

GEOCHEMICAL SURVEY - PROCEDURE RECORD

l

Numbers of claims from	which samples taken_	Approxim	nately 52	claims	most of
<u>remaining</u>	claims are	sate covered	, ,		

Total Number of Samples 234	ANALYTICAL METHODS
Type of SampleRock	Values expressed in: per cent
(Nature of Material)	-1 p. p. m.
Average sample weight 0 125	oz/loa p. p. b.
Method of Collection <u>Darcip</u> Sangere	Cu, Pb, Zn, Ni, Co, Ag, Mo, As, (circle)
	and An Ba Mar a
Soil Horizon Sampled	Others An, Da, Na20
Horizon Development	Field Analysis (tests)
Sample Depth	Extraction Method
Terrain	Analytical Method
	Reagents Used
Drainage Development	Field Laboratory Analysis
Estimated Range of Overburden Thickness	No. (tests)
	Extraction Method
	Analytical Method
·	Reagents Lised
SAMPLE PREPARATION	Commercial Laboratory (tests)
(Includes drying, screening, crushing, ashing)	Name of Laboratory X-RAY Assay Lab
Mesh size of fraction used for analysis -750	Extraction Method
<u>To - 250</u>	Analytical Method FIRE ASAY
	Persona llad
	Reagents Osed
	Aller also I. A
General	General <u>HII samples</u> for Hu
	// - /Va20
	<u> </u>
	,

<u>Claim numbers</u>

TB	772014,	TB	772015,	TB	772016,	TB	772017,	ΤB	772018,	TB	772019,
TB	772020,	ΤB	772021,	ΤB	772022,	ΤB	772023,	ΤB	772024,	TB	772025,
TB	772026,	TB	772027,	TB	772028,	TB	772029,	TB	772030,	TB	772031,
TB	772032,	TB	772033,	ΤB	772034,	TB	772035,	TB	772036,	TB	772037,
ΤB	772038,	TB	772039,	ΤB	772040,	ΤB	772041,	ΤB	772042,	TB	772043,
TB	772044,	TB	772045,	TB	772046,	TB;	772047,	TB	772048,	TB	772049,
TB	772050,	ΤB	772051,	ΤB	772052,	ΤB	772053,	TB	772054,	TB	772055,
TB	772056,	TB	772057,	ΤB	772058,	TB	772059,	TB	772060,	TB	772061,
TB	772062,	ΤB	772063,	TB	772064,	ΤB	772065,	ΤB	772066,	TB	772067,
TB	772068,	TB	772069,	TB	772070,	ΤB	772071,	ΤB	772072,	TB	772073,
TB	772074,	TB	772075,	ΤB	772076,	TB	772077,	ΤB	772078,	TB	772079,
TB	772080,	TB	772081,	ΤB	772082,	ΤB	772084,	TΒ	772085,	TB	772086,
TB	772087,	TB	772088,	TB	772089,	TB	772090,	TB	772091,	TB	772092,
TB	772093,	TB	772094,	TB	772095,	ΤB	772104,	TB	772105,	TB	772106,
TB	772107,	TB -	772108,	ΤB	772109,	ΤB	772110,	ΤB	772111,	ΤB	772112,
TB	772113,	ΤB	772114,	ΤB	772115,	ΤB	772116,	TB	772117,	TB	772118,
ТB	772119,	ΤB	772120,	TB	772121,	TB	772122,	TB	772123,	TB	772124,
TB	772125,	TB	772126,	ΤB	772127,	ΤB	772128,	TB	772129,	TB	772130,
TB	772131,	ТΒ	772132,	ΤB	772133						

Claim numbers

TB 772014, TB 772015, TB 772016, TB 772017, TB 772018, TB 772019, TB 772020, TB 772021, TB 772022, TB 772023, TB 772024, TB 772025, TB 772026, TB 772027, TB 772028, TB 772029, TB 772030, TB 772031, TB 772032, TB 772033, TB 772034, TB 772035, TB 772036, TB 772037, TB 772038, TB 772039, TB 772040, TB 772041, TB 772042, TB 772043, TB 772044, TB 772045, TB 772046, TB 772041, TB 772046, TB 772049, TB 772044, TB 772045, TB 772046, TB 772047, TB 772046, TB 772049, TB 772050, TB 772051, TB 772052, TB 772053, TB 772054, TB 772055, TB 772056, TB 772057, TB 772058, TB 772059, TB 772060, TB 772061, TB 772062, TB 772063, TB 772064, TB 772065, TB 772066, TB 772067, TB 772068, TB 772069, TB 772064, TB 772071, TB 772072, TB 772077, TB 772074, TB 772075, TB 772076, TB 772077, TB 772078, TB 772079, TB 772080, TB 772081, TB 772082, TB 772084, TB 772085, TB 772086, TB 772087, TB 772088, TB 772089, TB 772090, TB 772091, TB 772092, TB 772093, TB 772084, TB 772086, TB 772090, TB 772091, TB 772092, TB 772093, TB 772094, TB 772095, TB 772104, TB 772105, TB 772106, TB 772107, TB 772108, TB 772109, TB 772110, TB 772111, TB 772112, TB 772113, TB 772114, TB 772115, TB 772116, TB 772117, TB 772118, TB 772119, TB 772120, TB 772121, TB 772122, TB 772123, TB 772124, TB 772125, TB 772126, TB 772127, TB 772120, TB 772129, TB 772130, TB 772131, TB 772132, TB 772133

772 055 772 108 109 110 untouched 112 geol

53×7= 371+107 = 3.5

<u>Claim numbers</u>

TB 772014, TB 772015, TB 772016, TB 772017, TB 772018, TB 772019, TB 772020, TB 772021, TB 772022, TB 772023, TB 772024, TB 772025, TB 772026, TB 772027, TB 772028, TB 772029, TB 772030, TB 772031, TB 772032, TB 772033, TB 772034, TB 772035, TB 772036, TB 772037, TB 772038, TB 772039, TB 772040, TB 772041, TB 772042, TB 772043, TB 772044, TB 772045, TB 772046, TB,772047, TB 772048, TB 772049, TB 772050, TB 772051, TB 772052, TB 772053, TB 772054, TB 772055, TB 772050, TB 772057, TB 772058, TB 772059, TB 772060, TB TB 772062, TB 772063, TB 772058, TB 772065, TB 772060, TB TB 772062, TB 772063, TB 772064, TB 772065, TB 772066, TB TB 772068, TB 772069, TB 772070, TB 772071, TB 772072, TB TB 772074, TB 772075, TB 772076, TB 772077, TB 772078, TB 772061, 772067 772073, 772079, TB 772080, TB 772081, TB 772082, TB 772084, TB 772085, TB 772086, TB 772007, TB 772089, TB 772089, TB 772090, TB 772091, TB 772092, TB 772093, TB 772094, TB 772095, TB 772104, TB 772105, TB 772106, TB 772107, TB 772108, TB 772109, TB 772110, TB **HEAL**, TB 772112, TB 772113, TB 772114, TB 772115, TB 772116, TB 772117, TB 772118, TB 772119, TB 772120, TB 772121, TB 772122, TB 772123, TB 772124, TB 772125, TB 772126, TB 772126, TB 772128, TB 772129, TB 772130, TB-772131, TB 772132, TB 772133

> Covered 772031 035 to 038 mc 040-041 043 052-053 056-057 059 064 to 066 inc 068 071 to 073 inc 077 to 079 inc 081-082 084 to 088 mc 111 114 117 120 to 123 ino 125 to 127 ma 130-131

133

24 x7 = 168 - 43 = 3.9 day/claim chem.

43



File 2.6868

Mining Lands Comments

Q- IS THE MAP SCALE A	DEQUATE FO	OR RECONNAISSAND	LE MAPPING?							
3-15 THIS NEW MAPPING O	R A RECAPIT	NLATION OF ODT	GEOL . MAP 1955-2?							
3 - HOW SHOULD TIME CLAIME	3 - HOW SHOULD TIME CLAIMED BE SPLIT BETWEEN GEOL AND GEOCHEM. AS									
THE DATES ON THE B	REAKDOWN O	VERLAP?								
DO THESE MANDAYS SEEN	TEXCESSIVE	AS REGARDS THE	(a) (b) <u>MAPPING AND REPORT WRD</u> A							
S- SHOULD THIS BE MORE PA	OPERLY ASSES	SSED AS APROPERTY	EVALUATION, UNDER							
77(19) INSTEAD OF GEOLOG	AND GEOCHERIS	TRY _ DO	ИС							
To: Geophysics			· ····							
Approved Wish to see again with correc	tions	Date	Signature							
To: Geology - Expenditures C. KUS7	RA		·							
bourg: I Map scale or	ter purper	e of survey V								
Shows change	reacts as it	the ground was p 1955-2 90	rology							
3 Aug 10 - Sept 3	= 25 days	9col = 13 geoch = 12	es dreys							
2 Kunik This	is ok									
(2) "Field wapping	time, som	pling, packag	ing of samples -							
Approved Wish to see again with correc	tions	Nov. 20/84	Kustra							
To: Geochemistry Scence C	K ; maybe	hy h a bit.	· · · · · · · · · · · · · · · · · · ·							
(b) report con	uting , la	brany researce	to - 22 days							
the high	nde bu	t not worth	arguing about							
		-	•							
5 it could	/									
		10	Simutur							
Approved Wish to see again with correc	otions		Signaturp							
To: Mining Lands Section, Room 6462, Whitney	/ Block. (Tel: 5	j-1380)								
1593 (81/10)	<u></u>	······································								

Ontari	Ministry of Natural Resources Breakdown	2.5868
1.	Type of Survey _ GEOLOGICAL	
2.	Township or Area O'Sullivan Lake area	
3.	Numbers of Mining Claims Traversed by Survey	1. 15° 11. 11
	see attached sheet	
4.	Number of Miles of Line Cut Flown	-
*5.	Number of Stations Established	-
*6.	Make and type of Instrument Used	
*7.	Scale Constant or Sensitivity	
*8.	Frequency Used and Power Output	www
9.	Summary of Assessment Credits (details on reverse side)	
	Total 8 hour Technical Days (Include Consultants, Draughting etc.)	<u>دى</u>
	Total 8 hour Line-Cutting Days	
	Calculation	
	$53 \times 7 = 37/ + = 37/ \div$	= 3.4
	Technical Line-cutting Number of claims	Assessment credits per claim
	The dates listed on this form represent working time spent entirel of the above listed claims Check If otherwise, please explain	y within the limits
	Dated: 054.28 1984 Signed:	
	Note: (A) * Complete only if applicable. (B) Complete list of names, addresses and dates on (C) Submit separate breakdown for each type of surv	reverse side. ey.

(D) Submit in duplicate.

			•
	Details of Assess	ment Work Breakdown	
	GEOLOGIC	AL	•
IELD WORK			<u>, e</u>
vpe of Work	Name & Address	Dates Worked	Number of 8 hour days
eological ma	oping J. Hinzer & A. H	inzer Aug 10- Sent	3/83 13
~ '	7005 Barke St. Ning	ava Fulls	13
	X		
***********	······································	//	
• • • • • • • • • • • • • • • • •			
		78	tel. 26
NSULTANTS			
me & Addross	Datas Norkad (ana	official or official	Number of 8 hour deve
T.B. Hinzan	Dates Worked (spec	wave Falle And Sant 10	- Sect 31/83
		99893-0713-07711 -928 µ1-28	22
	·*· ·		
AUGHTSMAN, TY	(PING, OTHERS (specify)		
ame & Address	Type of Work	Dates Worked	Number of 8 hour days
). Kelsall	30 Thelma Ave #310] Sept 15,16	1983 2
Orafting	Toronto Out.	5 Oct. 28 1	984 1
Bound	nin 9/0 1408-330 Ray &	4. Toronto Sal 26-2	8 1983 2
Ty ping			ビーノーン
ч . J		TOTAL 8 HOUR TECHNIC	AL DAYS
NE-CUTTING			
ame	Address	Dates Worked	Number of 8 hour days

TOTAL 8 HOUR LINE-CUTTING DAYS

	Details of Assessm	ent Work Breakdown	
	GEOLOGICA	2	
FIELD WORK	Name & Address	Dates Worked	Number of 8 hour day:
geological mapp	ing J. Hinzer & A. His	1281 Aug 10- Sipl.3/8.	3 13
۰۰۰۰ ۲ ۲	nts Buiken St. Niogo	a Fulls to	13
		/	
		Totul.	26
CONSULTANTS			
Name & Address	Dates Worked (speci:	fy in field or office)	Number of 8 hour day
J.B. Hinzer	Jour Barken St. Nieg.	wa Folls Out. Sept 10-Sep	<i>t.31/8</i> .3
,			22
DRAUGHTSMAN TYPT	NG OTHERS (specify)		
			Number of
Name & Address	Type of Work	Dates Worked	$\frac{8 \text{ nour days}}{2}$
Drefting	Tovonto Out.	Det 28 1984	1
L. Beondai	n 90 1608-330 Bay St.	Toronto Sent. 26-28/9	3 2
y ping		TOTAL 8 HOUR TECHNICAL DA	ays <u>53</u>
LINE-CUTTING			
Name	Address	Dates Worked	Number of 8 hour day:

TOTAL 8 HOUR LINE-CUTTING DAYS

÷ .

Claim numbers



ΤВ	772014,	ΤB	772015,	ТΒ	772016,	ТΒ	772017,	ТΒ	772018,	TB	772019,
ΤВ	772020,	TB	772021,	TB	772022,	TB	772023,	TB	772024,	ΤB	772025,
ТΒ	772026,	ТΒ	772027,	ΤB	772028,	ΤB	772029,	TB	772030,	ΤB	772031,
ТΒ	772032,	ТΒ	772033,	ТΒ	772034,	ТΒ	772035,	TB	772036,	ΤB	772037,
ΤB	772038,	ΤB	772039,	ΤB	772040,	ТΒ	772041,	ТB	772042,	TB	772043,
ΤB	772044,	ТΒ	772045,	ΤB	772046,	ΤB	772047,	ΤB	772048,	TB	772049,
ΤB	772050,	ТΒ	772051,	ΤB	772052,	ΤB	772053,	ΤB	772054,	ТΒ	772055,
ΤB	772056,	ΤB	772057,	ΤB	772058,	ТB	772059,	ΤB	772060,	TB	772061,
ΤВ	772062,	ТB	772063,	ТΒ	772064,	ТB	772065,	ΤB	772066,	TB	772067,
ТΒ	772068,	ΤB	772069,	ТΒ	772070,	ΤB	772071,	TB	772072,	ΤB	772073,
ΤB	772074,	ΤB	772075,	ΤB	772076,	TB	772077,	ΤB	772078,	TB	772079,
ΤB	772080,	ΤB	772081,	ТB	772082,	ТΒ	772084,	ТB	772085,	TB	772086,
ΤB	772087,	ТB	772088,	ΤB	772089,	ТB	772090,	ΤB	772091,	TB	772092,
ТΒ	772093,	ΤB	772094,	ТB	772095,	ΤB	772104,	ΤB	772105,	ΤB	772106,
ΤB	772107,	ТΒ	772108,	ΤB	772109,	ТΒ	772110,	ТΒ	772111,	TB	772112,
ΤB	772113,	ΤB	772114,	ΤB	772115,	ТB	772116,	ТΒ	772117,	TB	772118,
ТB	772119,	ΤB	772120,	ТΒ	772121,	ΤB	772122,	ΤB	772123,	TB	772124,
ТB	772125,	ΤB	772126,	ΤB	772127,	ТΒ	772128,	ΤB	772129,	ΤB	772130,
TB	772131.	TB	772132.	ΤB	772133						

Ontari	Ministry of Natural Resources	Assessment Work Breakdown	ţ				
1.	Type of Surv	vey GEOCHA	EMICAL				****
2.	Township or	Area 0 S.u	Ilivan La	Ke Are	4		
3.	Numbers of N	lining Claims Trav	ersed by Surve	V			
				, 	e a thac hea	l sheet	
,							
4.	Number of Mi	les of Line Cut			Flown		
*5.	Number of St	ations Established	d				
*6.	Make and typ	e of Instrument Us	sed				*******
*7.	Scale Consta	ant or Sensitivity					
*8.	Frequency Us	ed and Power Outpu	ut				
9	Summary of 6	esessment Credits	(details on r	overce cide)			
2.	Total 8 hour	Technical Dave (1	(accalls on the	tonto Drauch	ting ato)	24	¢
		Technical Days (1		tants, Draegn	ting etc.)		
	lotal 8 nour	Line-Cutting Days	3,				
	<u>Calculation</u>						_
	$\frac{24}{\text{Technical}}$ x	7 = <u>/68</u> + <u>1</u>	- Line-cutting	<u>_/68</u> ÷	Number of claims	Assessment per cla	credits im
	The dates li of the above If otherwise	sted on this form listed claims [, please explain _	represent worl Check	king time spe	nt entirely	within the	limits
	Dated:	Oct. 28 19	<u>187</u>	Signed: _	18		
	Note:	(A) * Complete on	lv if applicat	ale.			

Complete only if applicable. Complete list of names, addresses and dates on reverse side. Submit separate breakdown for each type of survey. Submit in duplicate. (A) (B)

- (C) (D)

			۲ ۹.
	Details of Assessm	ent Work Breakdown	۰ پ
	GEOCHEM	ICAL	
FIELD WORK			
Type of Work	Name & Address	Dates Worked	Number of 8 hour days
. rack geochemise	L. J. Hinzer 7005 Bo	ukerSt_Niegon Folls art. 4	ug10-Sept. 3/87 12
	A. Hinzey +	N 11	
			A 24
			¥£¥£
			Number of
Name & Address J. Hinzer Doos	Dates Worked (specif Barker & Ningara	Falls Onl. Sept. 10-	3/184 See 9 20/09:0
			l
DRAUGHTSMAN, TYPING,	OTHERS (specify)		
Name & Address	Type of Work	Dates Worked	Number of 8 hour days
			see geological
		TOTAL 8 HOUR TECHNIC	al days <u>24</u>
LINE-CUTTING			Number of
Name	Address	Dates Worked	8 hour days
]

TOTAL 8 HOUR LINE-CUTTING DAYS

GEOCHEMICAL

FIELD WORK

٠

Type of Work	Name & Address	Dates Worked	Number of 8 hour days
rack geochemice	I. J. HINZEV TOUS BO	when St Nicour Falls Out A	10-Sept. 3/83 12
Samp ling	A Huzze +	»	n A ,
	<u>1]: /1)n zw</u>		
			Al. 24
CONCULTANTS			
CONSULIANIS			Number of
Name & Address	Dates Worked (specif	fy in field or office)	8 hour days
J. Hinzer Jous	Barker A. Nicgara	Falls Ont. Sept. 10-	31/84 See gellogica
	\neg		· · · · · · · · · · · · · · · · · · ·
			·
DRAUGHTSMAN, TYPING,	OTHERS (specify)		
Name & Address	Tupe of Work	Dates Worked	Number of 8 hour days
Name a Address	Type of work	Dates Horked	See a classical
			V V
]
		TOTAL 8 HOUR TECHNICA	L DAYS 24
LINE-CUITING			Number of
Name	Address	Dates Worked	8 hour days
		/	

TOTAL 8 HOUR LINE-CUTTING DAYS

<u>Claim numbers</u>

.

TB	772014,	TB	772015,	TB	772016,	TB	772017,	TB	772018,	TB	772019,
	772020,		772021,		772020		772023,		772024,		772023
ID	772020,	ID	772027,		770024		772029,		772030,		772031,
IR	112032,	IR	//2033,	IR	772034,	IR	//2035,	IB	112030,	IB	//203/,
TB	772038,	ΤB	772039,	TB	772040,	ТΒ	772041,	ТB	772042,	TB	772043,
ТΒ	772044,	ΤB	772045,	ΤB	772046,	ТΒ	772047,	ТΒ	772048,	TB	772049,
ТΒ	772050,	ТΒ	772051,	ТΒ	772052,	ТΒ	772053,	ТΒ	772054,	ΤB	772055,
ΤB	772056,	ΤB	772057,	ΤB	772058,	ТB	772059,	ТB	772060,	TB	772061,
ТΒ	772062,	ΤB	772063,	ТB	772064,	ΤB	772065,	ТΒ	772066,	ΤB	772067,
ТΒ	772068,	ΤB	772069,	ТB	772070,	TB	772071,	ΤB	772072,	ТΒ	772073,
ΤB	772074,	ΤB	772075,	ТΒ	772076,	ΤB	772077,	ΤB	772078,	ΤB	7720 79,
ΤB	772080,	ΤB	772081,	ΤB	772082,	ТB	772084,	ΤB	772085,	TB	772086,
TB	772087,	ΤB	772088,	ΤB	772089,	ΤB	772090,	ТΒ	772091,	ΤB	772092,
ΤB	772093,	ТΒ	772094,	ΤB	772095,	ΤB	772104,	ΤB	772105,	ΤB	772106,
ТΒ	772107,	ΤB	772108,	ΤB	772109,	ТB	772110,	ΤB	772111,	ΤB	772112,
ΤB	772113,	ТB	772114,	ТB	772115,	ТΒ	772116,	ΤB	772117,	ΤB	772118,
ΤB	772119,	ТΒ	772120,	ΤB	772121,	ΤB	772122,	ΤB	772123,	ΤB	772124,
ТΒ	772125,	ΤB	772126,	ТΒ	772127,	ΤB	772128,	ΤB	772129,	ТΒ	772130,
ΤB	772131,	ΤB	772132,	ΤB	772133						

REGISTERED

October 15, 1984

File: 2.6868

J.B. Hinzer 7005 Barker Street Niagara Falls, Ontario L2G 125

Dear Sir:

RE: Geological and Geochemical Survey submitted on Mining Claims TB 772014 et al in the Area of O'Sullivan Lake

Enclosed is a copy of our letter dated August 1, 1984 requesting additional information for the above-mentioned survey.

Unless you can provide the required data by October 30, 1984 the mining recorder will be directed to cancel the work credits recorded on June 12, 1984.

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

,

Yours sincerely,

S.E. Yundt Director Land Management Branch

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

S. Hurst:mc

cc: Mining Recorder Thunder Bay, Ontario

Encl.

Our File: 2.6868

Jer m

f called on StriD

August 1, 1984

J.B. Hinzer 7005 Barker Street Niagara Falls, Ontario L2G 125

Dear Sir:

RE: Geological and Geochemical Surveys submitted on Mining Claims TB 772014 et al in the O'Sullivan Lake Area

Enclosed are the plans for the above-mentioned surveys. They are not acceptable for assessment credit in their present form for the following reasons;

- 1) geological and geochemical plans should be drawn on a scale of not more than five hundred $\sqrt[7]{(500)}$ and not less than one hundred feet (100) to one inch
- 2) claim lines and claim numbers should be indicated -
- 3) maps should be signed by the author of the report ~

Also enclosed are two Assessment Work Breakdown forms, J Please fill one out for each survey.

Only one copy of the technical report and plans were $\sqrt{}$ received by this office and duplicates are required.

Please forward one copy of the report and the Work Breakdown . forms, and two copies of the amended maps to this office quoting file 2.6868.

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

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3

D. Isherwood:mc

cc: Mining Recorder - Thunder Bay, Ontario Encl.

1984 07 10

Your File: 273 Our File: 2.6868

Mrs. Audrey Hayes Mining Recorder Ministry of Natural Resources P.O. Box 5000 Thunder Bay, Ontario P7C 506

Dear Madam:

We have received reports and maps for a Geological and Geochemical Survey submitted on Mining Claims TB 772014 et al in the Area of O'Sullivan Lake.

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

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Untario M7A 1W3 Phone: (416) 965-1380

A. Barr:sc

cc: J.B. Hinzer 7005 Baker Street Niagara Falls, Untario L2G 125

Your File: 273 Our File: 2.6868

1985 01 04

Mining Recorder Ministry of Natural Resources P.O. Box 5000 Thunder Bay, Ontario P7C 5G6

Dear Madam:

RE: Notice of Intent dated December 11, 1984 Geological and Geochemical Survey on Mining Claims TB 772014 et al in the Area of O'Sullivan Lake

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

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

Yours sincerely,

S.E. Yundt Director Land Management Branch

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

D. Kinvig:mc

- cc: J.B. Minzer 7005 Barker Street Niagara Falls, Ontario L2G 1Z5
- cc: Mr. G.H. Ferguson Mining & Lands Commissioner Toronto, Ontario
- cc: Resident Geologist Thunder Bay, Ontario

Encl.

	Ministry of Natural
U	Resources
Ontario	

Technical Assessment

Work Credits

Dete 1984 12 11 File 2.6868 Mining Records: 1 Report of Work No. 273

-	
Recorded Holder	
U.D. MINZEK	
O'SULLIVAN LAKE ARE	<u>A</u>
Type of survey and number of	
Assessment days credit per claim	Mining Claims Assessed
Geophysical	TB 772031
Electromagnetic days	772040-041 772042
Magnetometer days	772052-053 772056-057
Radiometric days	772059
Induced polarization days	772064 to 066 772068
Other days	772071 to 073 inclusive 772077 to 079 772081 088
Section 77 (19) See "Mining Claims Assessed" column	772084 to 088 inclusive 772111
Geological days	772114
Geochemical days	772117 772120 to 123 inclusive
	772125 to 127 inclusive
Man days 🛛 🛛 Airborne 🗋	//2130-131 772133
Special provision 🗋 Ground 🔀	
Credits have been reduced because of partial coverage of claims.	
Credits have been reduced because of corrections to work dates and figures of applicant.	
pecial credits under section 77 (16) for the following m	lining claims
*	-
•	
	1
o credits have been allowed for the following mining of	nims
N not sufficiently covered by the survey	Insufficient technical data filed
TB 772014 to 030 inclusive TI	B 772074 to 076 inclusive
772032 to 034 Inclusive	772089 to 095 inclusive
772042	772104 to 110 inclusive
/72044 to 051 inclusive 772054-055	772115-116
772058	772118-119
772060 to 063 inclusive	772124
772067 772069-070	772128-129 772132
August of the sove cradits if name	sary in order that the lotal number of approved assessment days recorded on
h claim does not exceed the maximum allowed as folic	pws: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19) — 60:

	Ministry of	
7j	Natiliral	
ノ	Resources	
rin	-	

Technical Assessment

Work Credits

Dete 198412 11 2.6868 Mining Recorder's Report of Work No. 272 273

File

Recorded Holder

Ontai

J.B. HINZER

.

Township or Area

O'SULLIVAN LAKE AREA

Type of survey and numb Assessment days credit per	er of r claim		Mining Claims Assessed	- :
Geophysical				
Electromagnetic	days			•
Magnetometer	days	· .		ţ
Radiometric	days			
Induced polarization	days	. .		
Other				
Section 77 (19) See "Mining Claims A	ssessed" column			-
Geological	days		TB 772014 to 082 772084 to 09	2 inclusive 5 inclusive
Geochemical	days	•	772104 to 102 772111	inclusive
Man dayş 🔀	Airborne		772113 to 133	3 inclusive
Special provision	Ground 💭			,
 Credits have been reduced b coverage of claims. Credits have been reduced beca to work dates and figures of app 	ecause of partial ause of corrections licant.			
				1
becial credits under section 77 (16)	for the following mi	ning claims	<u></u>	<u></u>
·				
o credits have been allowed for the f	lollowing mining cla	ims		
not sufficiently covered by the surve	ny 🔲 li	nsufficient technical data filed		
TB 772108 to 110 inc 772112	lusive	•		



Ministry of Natural Resources

DEC 27, 1984.

1984 12 11

Your File: 273 Our File: 2.6868

Mining Recorder Ministry of Natural Resources P.O. Box 5000 Thunder Bay, Ontario P7C 5G6

Dear Madam:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Vandt X Director

Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3

LØ D. Isherwood:mc

Encls.

cc: J.B. Hinzer 7005 Barker Street Niagara Falls, Ontario L2G 1Z5

Assen to produce with Dec. 13 84 Q.

cc: Mr. G.H. Ferguson Mining & Lands Commissioner Toronto, Ontario

FILE



Ministry of Natural Resources Notice of Intent for Technical Reports 1984 12 11 2.6868/273

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued. 1985 01 21

Your File: 693 Our File: 2,6868

Mining Recorder Ministry of Natural Resources P.O. Box 5000 Thunder Bay, Ontario P7C 5G6

Dear Madam:

RE: Assaying submitted under Section 77(19) of the Mining Act RSO 1980, on Mining Claims TB 772031, et al, in the Area of O'Sullivan Lake

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

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

Yours sincerely,

S.E. Yundt Direetor Land Management Branch

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

D. Kinvig:mc

- cc: J.B. Hinzer 7005 Barker Street Niagara Falls, Ontario L2G 1Z5
- cc: Resident Geologist Thunder Bag, Ontario

Encl.



828 (83/6)

Technical Assessment Work Credits

	Date		
•	1985	01	21

2.6868 Mining Recorder's Report of Work No. 593

File

Recorded Holder

Resources

J.B. HINZER

Township or Area O'SULLIVAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	\$2370.65 SPENT ON ASSAYING OF SAMPLES
Electromagnetic days	TAKEN FROM MINING CLAIMS: TB 772031
Magnetometer days	772035 to 038 inclusive 772040-041
Radiometric days	772043 772052-053
Induced polarization days	772056-057 772059
Other days	772064 to 066 772068
Section 77 (19) See "Mining Claims Assessed" column	772071 to 073 inclusive 772077 to 079 inclusive
Geological days	772081-082 772084 to 088 inclusive
Geochemical days	772111 772114
Man days 🗋 Airborne 🗆	772117 772120 to 123 inclusive
Special provision 🗌 Ground 🗔	772125 to 127 inclusive 772130-131 772133
Credits have been reduced because of partial coverage of claims.	158 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6)
Credits have been reduced because of corrections to work dates and figures of applicant.	OF THE MINING ACT.
Special credits under section 77 (16) for the following m	nining claims
No credits have been allowed for the following mining claims	
not sufficiently covered by the survey Insufficient technical data filed	
The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:	

File No 2.6868

Mining Lands Section

Control Sheet

TYPE OF SURVEY ____ GEOPHYSICAL ____ GEOLOGICAL ____ GEOCHEMICAL ____ EXPENDITURE

MINING LANDS COMMENTS:

-moduplicate repert - must ask for X. 2 manular adapted from sulliked man?

Signature of Assessor

Date





