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Geology of the West Redstone Lake Property in Semple and Hutt Townships, Ontario

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Report prepared for

Triex Resources Ltd, 650 West Georgia Street, Vancouver, V6B 4N8.

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Timmins, Canada November 6, 1998

SUMMARY and RECOMMENDATIONS

A new gold showing has been found in Semple Township south of Timmins and within the Abitibi Greenstone belt. This showing, was discovered in the spring of 1998 by prospecting along recent logging roads, and consists of anomalous gold values up to 335 ppb gold hosted in strongly carbonatized, Fe-tholeiitic metavolcanics. So far, three auriferous zones of intense Fe-carbonate alteration, locally associated with silicification and magnetite alteration, have been mapped within the property. The central zone has been traced for $300 \times 75m$ and dips at a shallow angle of $30 \text{ to } 50^{\circ}$ to the east. The northern zone has been traced for $150 \times 50m$ while the southern zone has only been mapped in one outcrop that is an island in cedar swamp. These three zones form an *en-echelon*, northwest trending structure within highly disrupted rocks transected by major northeast trending faults. Away from the mapped alteration zones, widespread calcite alteration of the metavolcanics occurs and is locally associated with anomalous gold values.

Gold values as high as 1,900 ppb have been returned from glacially transported boulders. These boulders are derived from the same Fe-carbonate / silicified material, as found in the mapped alteration zones and are up to several metres in diameter. Glacial transportation directions do not suggest that these boulders are derived from the mapped alteration zones and as such they may come from topographical depressions between the mapped zones, or other nearby structures. Either way, these boulders suggest that higher gold values do occur in the immediate area.

Geomagnetic, VLF-Electromagnetic and induced polarization surveys have recently been completed on this property. These surveys are being reported separately.

Previous exploration records on file indicate that no exploration programs extended into the core of the West Redstone Lake property. All previous exploration dating back fifty years, has concentrated on several areas to the east and northeast where historical gold showings outcrop. This lack of previous exploration on the West Redstone Lake property is positive in that there is lots of upscale potential to the property.

Given that the gold mineralization in the West Redstone Lake property is associated with large zones of intense auriferous alteration that have never been explored until now, and that no systematic sampling has been carried out on the property, it is recommended that the area be tested with a modest diamond drill program. Such a drill program will permit the known alteration to be thoroughly sampled across true thicknesses and give a more accurate indication of the nature of the gold mineralization. Besides testing the known alteration systems, the drill program should also test for possible additional sources of higher grade mineralization such as those found in boulders. Collar selection for any drill program should take into consideration results of the geophysical surveys.

It is also recommended that the grid area be systematically prospected. This prospecting could be combined with limited stripping of the overburden to better expose any mineralization and alteration found.

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INTRODUCTION

Triex Resources Ltd. optioned a number of claims from Mike Tremblay in 1998 that contained a newly discovered gold showing in Semple Township within Northeastern Ontario. This showing was found during the spring of 1998 by prospecting along tertiary roads made to extract timber last winter, when the area was logged. The appeal of this property is due to anomalous gold values are associated with a large iron carbonate alteration system, and secondly, its untested potential as these is no record of exploration in the immediate area.

The work carried out to date on the property has consisted of prospecting around the original showing, line cutting, ground geomagnetic, VLF-electromagnetic geophysical surveys, and geological mapping. Recently an induced polarization, geophysical survey has also been completed. Reports on the geophysical surveys will be prepared by the contractors who performed the work.

Terms of Reference

The author was retained by Triex Resources Ltd. out of Vancouver, B.C. to geologically map the grid on their option in Semple and Hutt Townships south of Timmins, Ontario. Additionally, a brief reconnaissance of the whole property was also requested.

A total of 24 days was spent in the field between 1st September and 10th October 1998 examining the exposed outcrops within the property, and checking the fabric of the staked claims that form the property. An additional five days was spent between 23rd June and 15th October 1998, researching previous exploration work in the area that is on file in the Resident Geologist's Office.

Location and Access

The property is in Semple and Hutt Townships which are located in northeastern Ontario. This area is contained within the Porcupine Mining Division, is within NTS area 41P/14, is fifty kilometres south of Timmins and within the Abitibi Greenstone belt, Figure 1.

Access to the property is achieved by a loose gravel road extending south from Pine Street in Timmins. This road is formally known as the Papakomeka Forest Access road which terminates 57km south of town at the junction with the Matachewan Forest Access road which heads east and was formerly called Wick's Road, and the Parting/Sinclair & Muskakenda/Ferrier roads which head southwest. The Sawmill Restaurant is located a kilometre to the southwest of this road junction.

The main part of the grid is best accessed via a recent winter logging road, branching off the Muskakenda/Ferrier road, which terminates at the grid origin. The total distance by road from Timmins to the grid origin is 72km. The southeast corner of the grid is best accessed by a series of tertiary logging roads that connect to the Matachewan road and cut the eastern extension of L13+00S. Rather than walking down this line to the grid through a cedar swamp, easier walking is possible along a game trail through a cut-over area just south of the swamp.

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Location of the West Redstone Lake Property within the overall context of the Abitibi Greenstone Belt.

Recent topographical maps indicate a series of tertiary logging roads traverse the northern part of the grid. These were winter roads mostly constructed through swamp, are now overgrown, and do not facilitate access.

Property

The property was optioned from Michael Tremblay and consists of 105 contiguous units in 8 mining claim blocks. Details of the claims are listed below and 100% interest in all mining claims was transferred into Triex's name on the 19th August 1998.

Staker	Claims	Units	Staked	Recorded
M. Tremblay	1227547	9	13 th Aug 98	17 th Aug 1998
J. Robert	1227548	6	13 th Aug 98	17 th Aug 1998
Tremblay/Robert	1227549	15	14 th Aug 98	17 th Aug 1998
M. Tremblay	1227552	15	15 th Aug 98	17 th Aug 1998
M. Tremblay	1227553	15	14 th Aug 98	17 th Aug 1998
T. Wylde	1228180	15	18 th Oct 97	5 th Nov 1997
J. Robert	1235350	15	9 th June 98	9 th July 1998
M. Tremblay	1235351	15	10 th June 98	9 th July 1998

Adjacent to this property, claims are held by:

- Tri Origin Exploration Ltd. whose ground is located to the north northeast of the West Redstone Lake Property and essentially covers the English Township banded iron formation trend, Figure 2. This property is actively being explored.
- 2) Royal Oak Mines Inc. hold a claim block that surrounds the Decker showing. This ground has been inactive for several years and was originally staked when Pamourex, a company which subsequently became part of Royal Oak Mines, had an option on the Decker property.
- 3) Mike Tremblay and partners hold a number of additional claims adjacent to the West Redstone Lake Property. The claims to the east cover a base metal showing and some of the claims predate the option to Triex Resources Ltd. These eastern claims have recently been extended to the south. Additional claims have also been staked by Mike Tremblay and partners to cover the Decker showing when the previous claims recently lapsed. A third block of claims, contiguous with the northern boundary of the West Redstone Lake Property and Tri Origin's ground have also been staked by Mike Tremblay and partners.

Previous Work

The first reported work in the area was carried out by T.L. Gledhill who mapped the area for the Ontario Department of Mines in 1925, (Gledhill 1926). During this work Gledhill traversed the property along the Redstone River in order to inspect the showing being explored by Frank Foisey





Claim groups surrounding the West Redstone Lake Property within Semple and Hutt Townships.

but Gledhill did not observe any mineralization within the property at that time. It was noted in Gledhill's report that the Foisey showing was discovered in 1910 during the prospecting boom associated with the discovery of gold in the Porcupine camp.

A second prospecting boom occurred in the 1930's which resulted in the discovery of an additional mineral showing near the West Redstone Lake Property. This showing was discovered by Messrs Alford & McCall but is now more commonly known as the Decker showing and is located northeast of the West Redstone Lake Property, Map 1.

The area was remapped by the Ontario Geological Survey in 1965 & 1966 as part of the basic mapping program. Semple Township was one of six contiguous townships mapped by Bright (1984) at a scale of 1:31 680, (one inch to half mile) as part of the overall basic mapping program.

Previous mineral exploration in the area was largely directed at developing gold showings found earlier in the century and some of this work encroached on the northeastern boundary of the West Redstone Lake Property. However, there is no recorded work of any of these early exploration efforts extending into the core of the West Redstone Lake Property. All exploration work which is on file is briefly summarized below.

Gold Exploration

The earliest reports describing gold exploration in the area are those by J.C. McCall who in 1949 exposed by trenching the original Alford - McCall (Decker) showing and allegedly obtained encouraging gold values. McCall also re-explored the Foisey Showing with disappointing results. The Alford-McCall property was subsequently examined by W.S. Savage (Resident Geologist) who sampled the property and obtained values ranging between 0.70 and 53.55 \$/ton in 20 grab samples with an average of 8.39 \$/ton. (Alford-McCall plus Edal Mines1949, Timmins Assessment File T.313)

In 1958 Mr S. Saville re-staked the Alford-McCall property and commissioned several appraisals of the exposed mineralization. These appraisals described the mineralization occurring within a "quartz stockwork hosted within syenitized greenstones which is lightly to heavily pyritized." During this time Jonsmith Mines Ltd also evaluated the property by additional trenching and channel sampling. Results from this work together with check assaying carried out by H.D. McLeod using multiple chips collected in an area around the original channel gave the following results:

Jon	smith Mines		McLeod's
Trench	Width	\$ Value	\$ Value
1	2.3'	4.9	3.50
			5.60
2	4.0'	5.95	3.15
3	1.5'	2.1	1.05
4	3.0	3.85	1.05
5	2.0	3.85	2.10
9	5.0	1.05	0.70
10	1.2	2.45	1.05

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11	5.0	1.75	0.70
14	0.7	0.70	0.35
15	1.5	1.75	0.70

The postulated reason for the discrepancy between the two sample suites is that quartz veining formed a higher percentage of the material in the Jonsmith channel samples. (Saville Gold 1958, Timmins Assessment File T.310).

In 1962 Hollinger Consolidated GML optioned ground covering both the Foisey and Decker showings. Hollinger's exploration program consisted of detailed geological mapping together with fluxgate magnetic and Crone EM geophysical surveys. Four claims covering the Decker showing were not part of the exploration program. Follow-up work consisted of drilling twenty four (24) pack-sack drill holes. Five (5) of the holes were targeted at the east-west trending stratigraphic conductor in the southern part of the property and eight (8) other holes were targeted at the Foisey showing, with the remaining holes scattered across the claims. No assay values are on file from this drill program. (Hollinger Consolidated GML 1962 - 1963, Timmins Assessment File T.148 and T.617).

An additional block of claims was explored by Hollinger in 1963 located east of the West Redstone Lake Property and covered the Hydro showing. This exploration effort also consisted of detailed geological mapping together with fluxgate magnetic and Crone EM geophysical surveys. A subsequent Ronka EM survey was carried out with a 300' coil spacing. Collectively this work defined an east-west trending stratigraphy with a carbonate unit (ultramafics?) separated from gabbro / peridotite lense by shales and arenites. Two targets associated with the gabbro / peridotite contacts plus a third target within mafic metavolcanics were drill tested. None of these holes returned any anomalous gold values.

Amax Minerals mapped a number of claims along the Redstone River in 1982 which encompassed the Foisey showing and the southern part of English Township. This mapping defined a northeast trending sulphide facies, iron formation (BIF) associated with parallel units of talc/chlorite schists and both units are engulfed in chlorite schists. These rocks are separated by faulting from more common mafic volcanic sequences that contain some folded BIFs. (Amax Minerals 1982, Timmins Assessment File T.120).

Albert Decker re-staked the Alford-McCall showing in 1986, and cleaned out the old trenches, (A. Decker 1986, Timmins Assessment File T.600).

In 1987 Dome Exploration held a block of claims north of the West Redstone Lake Property and carried out an exploration program that covered the Foisey showing and surrounding areas. Dome's initial exploration consisted of a HLEM Max-Min survey with 100m coil separation and a total field magnetic survey. The magnetic survey delineated a northeast trending lithological fabric disrupted by faults, whereas the HLEM survey results were very flat. No other work was undertaken to define drill targets in the area and the property was dropped, (Dome Exploration 1987, Timmins Assessment File T.2720)

In 1987 Pamorex Minerals optioned the Decker Property and staked additional claims surrounding the core claim group. Exploration efforts consisted of extensive stripping which exposed

an area 130 x 60m, over the showing. Subsequently, a ground magnetic and VLF-EM survey was carried out which defined a number east northeast trending conductors on the property which terminated against an inferred north-south fault underlying the showing. This showing is coincident with a pronounced magnetic high. In the winter of 1987, Pamour drilled seven holes for a total of 747m primarily targeted at the known showing. These holes intersected sequences of metasediments/metavolcanics intruded by small felsic & lamprophyric dykes and cut by shear zones with quartz/carbonate alteration. Disseminated pyrite is commonly reported in these drill hole logs but no assays are included. Three holes drilled in a north-south fence west of the showing intersected similar lithologies and disseminated pyrite. In subsequent reports it is indicated that the assay results from this drill program were disappointing and did not duplicate assay results obtained in surface sampling. (1987 - 1995 Pamorex, Timmins Assessment File T.2884).

Royal Oak continued exploration in 1992 by geologically mapping the surrounding claim group. This work indicates that the present Royal Oak claim group is underlain by massive and pillowed tholeiitic flows with some local calcite and sericite alteration. Within this tholeiitic sequence there are a number of thin serpentinized komatiitic flows striking northwest near the northern boundary of the claim group. Intermediate to felsic flows occur in the south and are spatially related to the Hydro Block showing. In 1994 Royal Oak continued exploration on the surrounding claim group when they commissioned an IP and magnetic survey to the east of the Decker Showing. This survey delineated a number of strong chargeability and resistivity anomalies which are spatially associated with inferred contacts between komatilitic and tholeiitic flows. These anomalies were drill tested in 1995 and the reported geology consists of intercalated, intermediate, fragmental metavolcanics and graphic shales/arenites with no anomalous gold values. (1987 - 1995 Pamorex, Timmins Assessment File T.2884).

Tri Origin initiated an exploration program in 1990 for gold deposits hosted in quartz crystal tuff proximal to banded iron formations / ultramafic sequences that separate the Deloro / Tisdale metavolcanic sequences in the Porcupine camp. Most of Tri Origins ground is in English Township though it does extend to the south into Semple Township. Block "C" is the southernmost block and includes the Foisey showing. Initial exploration efforts in Block "C" consisted of magnetic and VLF-EM surveys. Subsequent IP surveys in 1992 on this block identified week complex resistivity anomalies which may in part be due to a set of northwest trending felsic intrusions known to occur in the area. A second IP survey was carried out in 1994 followed by reconnaissance geological mapping of the block and the results of this mapping differ dramatically from Amax's mapping, (Tri Origin Ltd / Cameco Corp 1990-1998, Timmins Assessment File T.3464 and T.3918).

Cameco entered into a Joint Venture with Tri Origin in 1995 to explore the English Township BIF trend and during this exploration phase, another IP survey was commissioned which covered "C" Block. Follow-up work consisted of geological mapping, prospecting, trenching and drilling. The detailed mapping and prospecting located a number of anomalous gold values associated with the BIF (< 2640 ppb), ultramafic flows (<150 ppb) and quartz veins within ultramafics (< 754 ppb). Essentially three trenches were excavated across an altered ultramafic flow locally associated with BIFs. The trench exposing these BIFs is located on old trenches probably related to the original Foisey trenches excavated in 1934. The ultramafics exposed are strongly altered, with sparsely disseminated pyrite and both the BIF and ultramafics are deformed. However, grab samples from all trenches only returned weekly anomalous gold values. A seven (7) hole 1,345m drill program was commisioned which primarily targeted at IP anomalies coincident with ultramafic horizons within the

overall mafic metavolcanic sequence in the northern part of the block in English Township. Most holes intersected strongly altered mafic and ultramafic metavolcanics with low gold values (<100ppb). Local, short, gold spikes (> 1 g/t) were noted in carbonate-fuchsite altered ultramafics where intruded by felsic dykes. In 1997 Cameco extended the "C" Block grid then mapped and prospected these extensions with little further encouragement. (Tri Origin Ltd / Cameco Corp 1990-1998, Timmins Assessment File T.3464 and T.3918)

Base Metal Exploration

Following the discovery of the Kidd Creek deposit north of Timmins extensive, base metal exploration was carried in the Abitibi and some of this exploration covered the West Redstone project area. Initial efforts were directed towards copper-zinc deposits but more recent efforts have been directed towards nickel mineralization associated with ultramafic metavolcanics and intrusives.

The first record of base metal exploration was filed by Dowa Mining in 1972 when they carried out VLEM surveys with a 400' coil separation. These surveys partially overlapped mining claims 1235350 & 1228180 in the present West Redstone Lake property and were followed-up with a two hole - 632' drill program. One hole tested the east-west EM anomaly in the present 1235350 claim and intersected a sequence of intercalated graphitic horizons within metavolcanics. The second hole tested a BIF horizon in the present Tri Origin claim group. No assay values are reported from either hole. (Dowa Mining Co. Ltd. 1972, Timmins Assessment File T.132 & T.631)

In 1972 Granges commissioned a regional airborne, Input EM survey which covered the whole of Semple and most of Hutt Townships. Within the eastern part of the West Redstone Lake Property, this survey identified a number of extensive conductors underlying claims 1235350 & 1228180. Some week conductors are apparently associated with north - northeast trending faults, whereas stronger east to northeast trending conductors are apparently associated with stratigraphic horizons within the metavolcanic sequence. It was concluded that the stronger anomalies in the area were due to pyritic/graphitic horizons which had been drill tested by Hollinger. Ground follow-up was carried out in 1974 when a number of grids were cut and surveyed, and a single diamond drill hole per anomaly tested some identified targets. Two holes were drilled within the Tremblay ground east of the West Redstone Lake Property near Canoeshed lake. Two other holes were drill to the north within the block now held by Royal Oak. Of these, drill logs are only on file for the eastern holes drilled at Canoeshed Lake which intersected graphitic schists intercalated with metavolcanics that contained trace amounts of base metals and gold. (Granges Exploration 1973, Timmins Assessment File T.1643)

Essex held a number of small, scattered claim groups in 1978 centred upon anomalies identified from the Granges airborne survey. Within these claim groups Essex carried out total field magnetic survey and a Max-Min HLEM survey, with a 400' coil separation. These geophysical surveys were combined with a geological reconnaissance of the whole area. One of these claim groups, the Hydro Block, was optioned from R. Allerston, and is centred on the east-west trending graphitic horizon extending east from claim 1235350. Exploration by Essex suggested that the main stratigraphic conductor had not been adequately tested by Hollinger in their diamond drill program targeting this conductor, but one of the shorter conductors was adequately tested by Hollinger. Additional ground follow-up exploration by Essex consisted of an unsuccessful attempt to expose the

graphitic conductor by trenching. Elsewhere grab samples collected from an "altered andesite" within the Hydro Block returned erratic assays up to 18.2 g/t gold. This anomalous "altered andesite" outcrop was stripped and grab samples where collected at regular intervals which indicated that anomalous gold values, up to 2.16 g/t, tend to occur as a surficial cap over disseminated sulphides in a small area.

Essex carried out diamond drilling on some of the scattered claim blocks in 1979 and this program included one hole in the Hydro block. Hole, 79-8, was not targeted to test the previously recognized gold mineralization but rather two conductors 1600' to the west, and intersected a sequence of intercalated, intermediate and graphitic tuff at the top of the hole and ultramafics altered to quartz-carbonate-talc at the bottom of the hole. Gold assays from this hole are disappointing and do not exceed 0.1 g/t gold. (Essex Minerals Company 1978-1979, Timmins Assessment File T.136, T.2671 and T.2687)

Falconbridge picked up a number of claim groups in the southern part of Semple Twp peripheral to the Daniel Asbestos showing while exploring for nickel mineralization. Two widely spaced holes were drilled and intersected intercalated komatiites and graphitic shale/exhalative that contained disseminated sulphides including local sphalerite in the exhalative horizons and some chalcopyrite in komatiite breccias. No assay values are included in the files. Another hole was drilled in Hutt Twp on Canoeshed Lake within the present Tremblay claim block to test for nickel mineralization hosted in komatiites intercalated with "felsic tuff." Along the contact of these two lithologies there is strong alteration with quartz-carbonate-fuchsite. Surface stripping was also undertaken to the west of this hole where the Langmuir road transects the komatiite flow. Follow-up work in this area consisted of Max-Min HLEM survey and a total field magnetic survey carried out in 1993. Both the magnetic and HLEM surveys delineated, strong/discrete anomalies on a possible westerly extension of the komatiite flow. (Falconbridge Ltd 1990 - 1991, Timmins Assessment File T.3380, 3397)

GEOLOGY

The property is situated near the southwest limit of the Abitibi Greenstone belt (Figure 1) and geological mapping by Bright (1984) indicates that the property is underlain by a sequence of isoclinally folded - intercalated mafic & felsic metavolcanics. Bright (1984) mapped an east - west orientation to the isoclinal folds and also noted that the western part of Semple Township, and consequently part of the West Redstone Lake Property are covered by glacial eskers and aeolian sand dunes.

Interpretation of the recent airborne magnetic and electromagnetic survey data flown by the government (OGS 1996) suggest that the geology as mapped by Bright (1984) is complicated by major faults. There are two major northeast trending fault sets that transect Semple Township and the property (Map 1). The southerly fault set passes through Redstone Lake and truncates the east - west trending, isoclinally folded stratigraphy that underlies Hutt Township. For the purposes of this report, this fault set will be referred to as the "Redstone River Fault set" and separates Structural Domains "A" and "B." The northerly fault set, or Parting Lake Fault (Bright 1984), passes close to the Foisey Gold Showing. Between these two fault sets an examination of the aeromagnetic data suggests that the bedrock lithologies are highly disrupted. Structural Domain A in this report refers

to the relatively simple, isoclinally folded stratigraphy underlying Hutt Township, whereas Structural Domain B refers to disrupted lithologies between the Parting Lake Fault and the Redstone River Fault.

Lithologies found within both Structural Domains are typical of Precambrian greenstone belts. In the project area, thickly bedded arenites stratigraphically overly tholeiitic metavolcanics which locally contain turbidite like sequence. In turn these arenites are overlain by felsic metavolcanics with some local fragmental horizons. In Structural Domain "A" the felsic fragmental rocks are intercalated with thin, peridotitic komatiite flows. Other metasediments in Structural Domain "B" include discontinuous, sulphide facies, banded iron formations that occur north of the West Redstone Lake property. All these supracrustal rocks have been intruded by mafic and ultramafic dykes of varying ages. The only plutonic rocks within the area consist of a thin band of diorite - monzodiorite that occurs in the northern part of Semple Township.

Three maps are included in the back pockets. Map 1 shows some of the more regional relationships, though in this map the lack of colour is a result of uncertainty caused by the contradictions between: a) the government mapping, b) geology inferred from the airborne magnetic survey, and c) maps produced by various exploration programs. However, it should be noted that most of the uncoloured areas are underlain by Fe tholeiitic metavolcanics. The basic control for this map is the airborne magnetic data. Map 2 shows the mapped geology of the whole grid on the West Redstone Property, while Map 3 is an enlargement of part of the grid.

Komatiitic Metavolcanics

Both peridotitic and basaltic komatilites occur in the area. Peridotitic flows have been identified in Structural Domain "A" where they form thin, polysutured horizons within a more dominant felsic volcanic sequence (polysuturing is regarded as diagnostic of peridotic flows rather than high level sills in the Timmins area, Pyke 1982). Within the property two such flows have been mapped in claim 1228180. These flows are separated from the main body of flows in Hutt Township by a secondary fault offset from the Redstone River Fault, Map 1.

Within the property no basaltic komatiitic flows have been recognized in outcrop but large boulders of basaltic komatiite with spinifex textures do occur. Furthermore, boulders of green carbonate altered boulders were also found. Outside of the property, basaltic komatiites have been mapped during some of the more recent exploration programs, but other than the folded units near the Daniel Asbestos showing, it has been difficult to piece together a coherent distribution to the komatiites from relatively restricted maps.

Tholeiitic Metavolcanics

Three distinct tholeiitic sequences have been mapped on the property, 1) simple Fe tholeiitic Metavolcanics, 2) Variolitic, Fe tholeiitic Metavolcanics, and 3) Mg tholeiitic Metavolcanics. Compositional inferences for these rocks is based solely on the fresh surface colour.

The simple Fe tholeiitic Metavolcanics consist of massive flows intercalated with variable proportions of pillowed flows. Characteristically the rocks are a dark green colour on the fresh surface, though vary from a light green to black-green on the weathered surface depending the intensity of alteration. These rocks dominate the metavolcanic outcrops examined south of the metasediments in Structural Domain "A" and the volcanic sequence mapped west of the West Redstone Lake grid base line.

Variolitic, Fe tholeiitic Metavolcanics are dominant east of the grid base line and have been mapped further north by Cliff MacKenzie during the Hollinger exploration program. This volcanic sequence is dominated by pillowed flows with minor, intercalated massive flows. The fresh surfaces are still dark green like the simple Fe tholeiites but the pillowed flows contain feldspathic varioles in concentric rings of varying concentrations. Locally these pillows also contain vesicles which indicate that flow tops are to the west on the West Redstone grid. In the Timmins area such variolitic tholeiites are generally restricted to the "Tisdale Group" and in particular to the V8 & V10 flows which extend between the Dome Mine and the MacIntyre Mine, (Pyke 1982)

Within the grid area, Mg tholeiitic Metavolcanics are restricted to a faulted slice near line 5+00N. These rocks are distinctly paler grey-green colour on the fresh surface compared to the Fe tholeiites, and have local fragmental textures. Where these fragmental rocks occur, the matrix is commonly strongly carbonatized and the weathered surface is a pale grey to off-white colour. Close to the sheared contact the rock becomes strongly chloritized and the contact with the adjacent Fe tholeiites is gradational.

Felsic - Intermediate Metavolcanics

Felsic tuffs outcrop in both Structural Domains within the property. In Structural Domain "A" the tuffs occur in the core of the Canoeshed Lake syncline whereas within Structural Domain "B" the felsic tuffs occur near Redstone Lake in faulted slices, formed by left lateral off-sets along Redstone River faults, Map 1.

Contacts between these felsic tuffs and the underlying metasediments are gradational and there are also some intercalated sedimentary horizons within the tuff sequence. Higher in the tuffaceous sequence, near the komatiitic flows, there are lapilli tuff and tuff breccia horizons within the overall felsic unit. These fragmental rocks consist of matrix supported, monolithic, vesicular fragments with reaction rims. The matrix to these horizons has a flaser texture which looks more primary than tectonic, which may suggest a water lain environment. These rocks are typically fine-grained, strongly foliated and off-white in colour with yellowish sericitic alteration.

Isolated massive intermediate flow outcrops have been mapped near the southern end of the grid. This rock type differs from the tholeiitic flows in their light green colour.

Metasediments

Three metasedimentary grouping have been recognized on the property. The dominant group are those metasediments that occur in Structural Domain "A" forming an east-west isoclinal sequence

Stewart Fumerton Consulting Geologist Page 11 West Redstone Lake and as a fault slice within the Redstone River Fault at the south end of the grid. The first subordinate group consists of thin interflow metasedimentary horizons within Structural Domain "B". In the grid area, these latter sediments have a northwesterly strike, parallel to the base line, but may swing to a northeasterly strike, north of the property. The second subordinate sedimentary group consists of sulphide facies banded iron formations that have a general northeasterly strike in the vicinity of the Foisey Gold Showing.

The first group of metasediments are characterized by thickly bedded, massive, fine grained, light grey, arenites and in most outcrops the bedding is not apparent. Locally the rock is strongly altered, as is the case at the south end of the grid, where the weathered surface is pale brick red and the fresh surface is a strong brick red colour. This alteration is typically evenly spread thoughout the whole outcrop area where it occurs. In the larger roadside outcrops in Structural Domain "A", local thin cherty horizons (<5cm thick) occur within the unit, together with rare turbidite-like sequences. Both the chert horizons and "turbidite-like" sequences where observed along the southern limb of the synclinal structure in Hutt Township, consistently have stratigraphic tops to the north.

The first subordinate metasedimentary unit is enigmatic. The unit occurs as thin, discontinuous horizons within the simple Fe tholeiitic flows and lack any primary textures. Multiple ages of folded, quartz - calcite micro-veins occur within the unit and local patches of brick red alteration also occur. Typically the rock is fine grained with a green colour slightly paler than the Fe tholeiitic units, is friable with a higher feldspar content and has a gritty feel. It has been concluded that the unit is an interflow, lithic arenite, partially derived from the tholeiitic metavolcanics.

The second subordinate metasedimentary unit is the sulphide facies iron formations that occur to the north of the property in Structural Domain "B" but are not known to outcrop on the West Redstone Lake property.

Dykes

There are a number of dyke sets within the general area. These dykes include: 1) highly serpentinized & talcose ultramafic dykes that trend northeast, 2) olivine diabase dykes that trend northeast and form part of the Nipissing diabase swarm, and 3) the north & northwest trending Matachewan diabase dyke swarm.

The serpentinized dykes have been mapped outside the property as ultramafic flows but always occur in short strike length bodies discordant to the generally mapped geological trends.

ALTERATION

Within the grid area there are several *en-echelon*, shallow dipping zones of intense Fecarbonate alteration associated with gold mineralization, Maps 2 & 3. The northern zone has been mapped from L3+75N to L2+00N, the central zone extends from L0+50N to L2+50S, whereas the third zone only outcrops on L4+00S on the west side of a small hill. The Fe-carbonate alteration is typically characterized by totally recrystallized, fine grained, pink, matrix with <2% pyrite disseminated throughout in very fine grains. Locally within the alteration zones some silicification

also occurs together with quartz, quartz/carbonate & quartz/feldspar veins. Malachite, chalcopyrite and less commonly tiny specks of visible gold have been observed in these secondary quartz veins. Towards the margins of the altered zones the typical pink colouration changes to a pale green and chloritic selvages occur that are remnants of the surrounding Fe tholeiitic volcanics. Where shearing has occurred on the margins of the carbonate zones, the carbonate matrix has a finely laminated gneissic appearance.

In the northern alteration zone at Line 3+00N, very fine grained magnetite is abundantly disseminated in the matrix of the rock. In the central zone there is a change in the macroscopic appearance of the rock from the typical fine grained matrix with very finely disseminated pyrite to a coarser matrix with recognizable feldspar grains and less abundant, though coarser grained, disseminated pyrite. In the southern zone there is little pyrite disseminated in the outcrop and the intensity of the alteration is much weaker than that found in the other two zones.

In addition to the mapped Fe-carbonate and related silicification/magnetite alteration, widespread calcite alteration has been found throughout the grid area which is locally very strong.

STRUCTURE

Within Structural Domain "A" bedding is commonly recognizable in the rocks and where measured, is slightly oblique to the dominant foliation, both of these structural fabrics have a general steep dip and east - west trend. Similarly bedding can be recognized in the metasediments and tuffs at the south end of the grid which have displaced by the Redstone River faulting.

North of the Redstone River Fault in Structural Domain "B", the dominant foliation trends northwest and together with all lineations, dips at very shallow angles to the east. The lineations are defined by pillow / variolite elongations, minor fold axes, and intersection lineations. This dominant northwest trending foliation is roughly parallel to the interflow sedimentary unit and may represent transposed stratigraphic trends on a larger scale. Within Structural Domain "B" there are periodic discordant trends in the dominant foliation where secondary east - west shearing has cut through the lithologies such as the fault slice which emplaced the Mg tholeiites and also occur in the vicinity of the Foisey Showing.

Other fault trends in the area are the northwest trending Sudbury Faults and the north-south Matachewan faults. Both these fault sets occur within the property and have left lateral offsets of up to 2 kilometres. Within the grid area the Sudbury faults are mostly recognizable by topographical ridges and depressions and the crooked coarse of the Redstone River. In the vicinity of the Foisey Showing the Matachewan faults are also mainly recognizable by topographical features.

MINERALIZATION

Gold mineralization is primarily associated with the Fe-carbonate alteration but some anomalous gold concentrations do occur locally away from the mapped zones in strong calcite altered Fe-tholeiites. Within the northern Fe-carbonate altered zone, where visible gold has been seen within secondary quartz veins, the best assay returned from typical altered material is 40ppb gold, with

Stewart Fumerton Consulting Geologist Page 13 West Redstone Lake values of 20 & 5 ppb in sheared material on the zone boundaries. The most common assay returned from this zone is <5 ppb gold.

The central altered zone is larger than the northern zone and samples collected from the original, carbonatized / silicified showing returned values of 115 & 335 ppb gold, though samples from adjacent outcrops returned lower values, Map 3. Other grab samples of typical altered material, collected from the southern part of this alteration zone where the rock has a coarser texture, returned anomalous gold values up to 185 ppb gold.

Elsewhere, the only sample collected from the southern alteration zone returned a disappointing <5 ppb gold. So far the highest gold values have been found in Fe-carbonate altered, glacial float that occurs down-ice from mapped alteration zones and these gold values are up to 1900 ppb.

ACKNOWLEDGEMENTS

Fruitful, on going discussions and exchange of ideas where held with Duncan McIvor during the course of this mapping program for which the author gratefully acknowledges.

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- Pyke, D.R. (1982). Geology of the Timmins Area, District of Cochrane. Ontario Geological Survey Report 219, 141p.

CERTIFICATE OF QUALIFICATIONS

This is to certify that I, Stewart Lloyd Fumerton an independent consulting geologist:

1) have an office at	44 Brousseau Avenue, #205, Timmins, Ontario, Canada, P4N 5Y2.
2) have been granted a	Doctorate of Philosophy (geology) University of Saskatchewan in 1979.
	Master of Science (geology) University of the Witwatersrand in 1975.
	Batchelor of Science Hons (geology) University of the Witwatersrand in 1974
	Batchelor of Science (geology & mathematical statistics) University of the Witwatersrand 1973

- 3) since initially graduating with a degree in geology, I have continuously worked as a geologist here in Canada and overseas and have experience in geological research in ultra deep gold mines (2 years), led teams in basic Precambrian geological mapping for government surveys (5 years), and carried out assorted responsibilities in mineral exploration (18 years). More recently I have held positions as both Exploration Manager and Project Manager.
- 4) I am a member in good standing of the Canadian Institute of Mining and the Association of Geoscientists of Ontario.
- 5) I personally carried out the field work and literature research contained in this report.
- 6) I have no direct or indirect interest in the property, nor do I expect to receive any such interest in the future.

6 November 1998

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APPENDIX I

Assay Certificates

Stewart Fumerton Consulting Geologist Page 16 West Redstone Lake All assaying for this program was carried out by Chemex Labs Ltd of 212 Brooksbank Ave, North Vancouver and copies of their certificates are included in this appendix. The samples are all grab samples collected by the author and personally handed to Chemex's sample prep facility in Timmins. A list of all samples collected during the mapping together with brief descriptions and locations are given below.

Sample #	Collected	Date	Co-ords	Previous	Description	Au ppb	
	-			Samples			
M 499001	Fumerton	9/7/98	L0+00/0+10W	RDST-02,96313	Fe Carb/Silicification	115	
M 499002	Fumerton	9/7/98	L0+00/0+10W		Fe Carb/Silicification	335	
M 499003	Fumerton	9/7/98	0+10N/0+13W	Tr-16	Fe Carb/Silicification	70	
M 499004	Fumerton	9/7/98	0+10N/0+13W	Tr-17	Carb Martix	20	
M 499005	Fumerton	9/7/98	0+00/0+83W		Green MV + Calcite&Py	<5	
M 499006	Fumerton	9/7/98	0+50N/2+25W		Pillowed MV	5	
M 499007	Fumerton	9/8/98	0+00/3+00W		MV Matrix + Diss Py	35	
M 499008	Fumerton	9/8/98	0+00/3+00W		Qz Vein,CO3, Chl, Py	<5	
M 499009	Fumerton	9/8/98	0+20S/2+60W		Float FeCO3 Alt	10	
M 499010	Fumerton	9/8/98	0+12S/2+80W		MV + Strong Calcite Alt	<5	
M 499011	Fumerton	9/8/98	0+50S/5+00W		Oz Vein +Chl	10	
M 499012	Fumerton	9/8/98	0+50S/5+00W		Altered Arenite	<5	
M 499013	Fumerton	9/8/98	0+50S/5+00W		"Fresh" Arenite	<5	
M 499014	Fumerton	9/9/98	0+25N/2+60W		Light Patchy Alt in pillows	<5	
M 499015	Fumerton	9/9/98	1+00N/1+85W		Light Patchy Alt in pillows	<5	
M 499015	Fumerton	0/0/08	1+0.0N/1+85W		Stronger Cal Alt + Hm	< 5	
M 499010	Fumerton	0/0/08	1+15N/3+05W		Arenite + Cal Δlt	<5	
M 400018	Fumerton	0/0/08	2+00N/3+30W		Frag Pillows + Cal veins	<5	
M 400010	Fumerton	0/0/08	2+05N/1+15W		MV Dillours	<5	
N 400000	Fumerton	2/ 2/ 20 0/0/09	2:05N/1:15W		Fa Cash/Siliaifiaation	10	
WI 499020	Fumerion	7/7/70 0/0/00	2+JJN/1+10W		Fe Carb/Silicification	10	
M 499021	Fumerion	9/9/98	2+40N/1+30W		Fe Card/Silicifection	< 3	
M 499022	Fumerion	9/9/98	2+40N/1+30W	DDOT 04	Fe Card/Silicification	< 3	
M 499023	Fumerton	9/9/98	2+55N/1+10W	RDS1-04	re Carb/Silicification	40	
M 499024	Fumerton	9/9/98	2+60N/0+98W		Laminated Fe Carb/Silicification	20	
M 499025	Fumerton	9/9/98	2+60N/0+98W	DD 000 00	Massive MV + Calcite Alt	5	
M 499026	Fumerton	9/10/98	0+35N/0+20W	RDST-03	Schistose Fe Carb Alteration	<5	
M 499027	Fumerton	9/10/98	0+00/0+30E	RDST-01, Tr-17 96311	Fe Carb/Silicification	55	
M 499028	Fumerton	9/10/9 8	0+00/0+30E	11 11,90511	Banded Fe Carb/Silicification	<5	
M 499029	Fumerton	9/11/9 8	3+00N/1+25W	RDST-05	Fe Carb/Silicification	<5	
M 499030	Fumerton	9/11/98	3+00N/1+25W		Fe Carb/Silicification	<5	
M 499031	Fumerton	9/11/98	3+15N/2+40W		Green MV + CG Py	<5	
M 499032	Fumerton	9/11/98	3+25N/1+25W	RDST-06	Fe Carb/Silicification - Pillows	<5	
M 499033	McIvor				Fe Carb/Silicification	<5	
M 499034	McIvor				Massive Sulphide	410	
M 499035	Fumerton	9/16/98	4+96N/0+92W		Banded/Sheared Calc-Alk MV	10	
M 499036	Fumerton	9/16/98	4+75N/0+20W		Schistose Calc-Alk MV	10	
M 499037	Fumerton	9/17/98	3+15N/0+80E		Weak Alt + fg Py in float	55	
M 499038	Fumerton	9/17/98	3+00N/3+30E		Local Oz stockwork in Variolitic Pillows	10	
M 499039	Fumerton	9/17/98	2+00N/0+20E		vfg 2nd Pv in matrix of MV	5	
M 400040	Fumerton	9/17/98	1+65N/0+15E		Flost of green Carb Alt + Disseminated Py	50	
M 400041	Fumerton	0/18/08	0+00N/3+45E		Weak Calcite alt in MV sparse Py	<5	
M 400047	Fumerton	0/20/08	0+608/0+10W		Weak Carbonata alt + sparse fa Pu	<5	
M 400042	Fumerton	0/20/08	0+003/0+10		More tunical Fe Cash alt but sparse Dy	30	
M 499043	Function	9/20/98	1 208/0 155		More typical Fe Carb alt but sparse Py	-5	
NI 499044	Fumerion	9/20/98	1+505/0+15E		Work Calaita alt in MV, but trails of ma Da	5	
M 499043	Fumerion	9/20/98	1+005/3+00E		Weak Calche all in MV but trais of mg Py	5	
M 499046	Fumerton	9/20/98	1+908/0+30E		More typical Fe Carb alt but sparse Py	33	
M 499047	Fumerton	9/20/98	1+90S/0+30E		More typical Fe Carb alt but sparse Py	35	
M 499048	Fumerton	9/20/98	1+90S/0+30E		Less alt Fe Carb but Py coarser	120	
M 499049	Fumerton	9/21/98	1+15S/0+25w		Fe Carb/Silicification + sparse Py	15	
M 499050	Fumerton	9/21/98	1+20S/0+15W		Fe Carb/Silicification + sparse Py	185	
M 499051	Fumerton	9/21/98	3+20S/2+65W		Carbonatized MV schist	<5	
M 499052	Fumerton	9/22/98	4+10S/1+00E		vfg Carb alt + chl bands & fg diss Py	<5	
M 499053	Fumerton	9/22/98	3+90S/4+60W		MV + strong calcite alt & <1% diss Py	<5	
M 499054	Fumerton	9/22/98	3+00S/4+80W		Float of FeCO3 alt + diss Py	<5	
M 499055	Fumerton	9/27/98	8+85S/2+85W		Patchy green-red alt + Cal in MV	10	
M 499056	Fumerton	9/30/98	11+10S/5+00w		VFG siliceous sed - felsic volc	25	
M 499057	Fumerton	9/30/98	11+95S/4+95W		Brick red alt of VFG siltstone + Diss Py	30	

Stewart Fumerton Consulting Geologist Page 17 West Redstone Lake

Sample #	Collected	Date	Co-ords	Previous Samples	Description 4	Au ppb
M 499058	Fumerton	9/30/98	10+80S/4+75W		VFG siliceous - felsic volc?	10
M 499059	Fumerton	9/30/98	10+80S/4+75W		Qz / FeCO3 vein + lhematite spots	15
M 499060	Fumerton	10/1/98	484191/5314451		Feld porphyritc FV + Diss Py	10
M 499061	Fumerton	10/2/98	11+75S/3+40E		Int - Fels Volc + irreg Diss FG Py	5
M 499062	Fumerton	10/5/98	12+00N/0+85E		Low - Mod Cal Alt + Sparse Py in MV	75
M 499063	Fumerton	10/8/98	1+50N/1+60W		FLOAT, Fe Carb/Silicification + Py	45
M 499064	Fumerton	10/8/98	1+00N/1+65W		FLOAT, Fe Carb/Silicification + Py	10
M 499065	Fumerton	10/8/98	0+85N/1+40W		FLOAT, Fe Carb/Silicification + Py	5
M 499066	Fumerton	10/8/98	0+85N/1+40W		FLOAT, Fe Carb/Silicification + Py	10
M 499067	Fumerton	10/8/98	0+50N/1+10W		FLOAT, Fe Carb/Silicification + Py	<5
M 499068	Fumerton	10/8/98	0+50N/1+10W		FLOAT, Fe Carb/Silicification + Py	<5
M 499069	Fumerton	10/ 8/98	0+50N/1+10W		FLOAT, Fe Carb/Silicification + Py	<5
M 499070	Fumerton	10/ 8/98	0+90N/1+00W		FLOAT, Fe Carb/Silicification + Py	90
M 499071	Fumerton	10/ 8/98	0+90N/1+00W		FLOAT, Fe Carb/Silicification + Py	125
M 499072	Fumerton	10/ 8/98	0+75N/0+75W		FLOAT, Fe Carb/Silicification + Py	70
M 499073	Fumerton	10/ 8/98	0+75S/4+00W		FLOAT, Fe Carb/Silicification + Py	390
M 499074	Fumerton	10/8/98	0+75S/4+00W		FLOAT, Fe Carb/Silicification + Py	20
M 499075	Fumerton	10/8/98	0+45S/3+75W		FLOAT, Gneissic Fe Carb/Silicification + Py	20
M 499076	Fumerton	10/8/98	0+45S/3+75W		FLOAT, 25% QV + Fe Carb/Silicification + Py	<5
M 499077	Fumerton	10/ 8/98	0+35S/3+60W	RDST-04 Duplicate #	FLOAT, Fe Carb/Silicification + Py	1900
				in original		
M 499078	Fumerton	10/8/98	0+25S/3+40W		FLOAT, Fe Carb/Silicification + Py	30
M 499079	Fumerton	10/8/98	0+70S/3+15W		FLOAT, Fe Carb/Silicification + Py	105
M 499080	Fumerton	10/8/98	0+70S/3+15W		FLOAT, Fe Carb/Silicification + Py	20
M 499081	Fumerton	10/8/98	0+15S/3+20W		FLOAT, Fe Carb/Silicification + Py	15
M 499082	Fumerton	10/8/98	0+15S/3+20W		FLOAT, Fe Carb/Silicification + Py	<5
M 499083	Fumerton	10/8/98	0+15S/3+20W		FLOAT, Fe Carb/Silicification + Py	25
M 499084	Fumerton	10/8/98	3+35N/1+15W		FLOAT, Qz Vein + trails of MG Py	<5
M 499085	Fumerton	10/8/98	3+35N/1+15W		FLOAT, Sintery & fg Qz vein	<5
M 499086	Fumerton	10/8/98	3+35N/1+15W		FLOAT, Sintery & fg Qz vein	<5



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Project : TRIEX Comments: ATTN: DUNCAN MCIVOR CC: STEW FUMERTON

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499035 499036 499037 499038 499039	205 205 205 205 205 205	226 226 226 226 226 226	10 10 55 10 5	< 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2	1.59 3.52 1.19 3.83 3.00	14 18 8 < 2 10	50 30 10 30 70	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5	< 2 < 2 < 2 < 2 < 2 < 2	0.85 0.21 1.91 2.51 1.21	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5	15 18 13 34 38	69 133 117 35 25	25 60 26 63 116	3.57 8.15 5.62 9.13 8.01	< 10 < 10 < 10 10 10	< 1 < 1 < 1 < 1 < 1 2	0.11 0.07 0.07 0.05 0.12	10 < 10 < 10 < 10 < 10 < 10	0.57 2.82 1.12 2.00 1.99	605 1000 605 1475 1510
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Chemex Labs Ltd.

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CERTIFICATION: Una NELDO



Chemex Labs Ltd. Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga Ontario, Canada L4W 2S3 PHONE: 905-624-2806 FAX: 905-624-6163

To: TRIEX RESOURCES LTD. P.O. BOX 11584 1410 - 650 W. GEORGIA ST. VANCOUVER, BC V6B 4N8

Page Number :1 Total Pages 11 Certificate Date: 28-SEP-1998 Invoice No. : 19831846 P.O. Number QFW Account

Project : TRIEX Comments: ATTN: DUNCAN McIVOR CC: STEW FUMERTON

				CERTIFICATE OF ANALYSIS			A98	831846	
SAMPLE	PREI	P Au ppb E FA+AA							
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499052 499053 499054	205 22 205 22 205 22	26 < 5 26 < 5 26 < 5							

CERTIFICATION ANT AND ANT CONTRACTOR



Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga Ontario, Canada L4W 2S3 PHONE: 905-624-2806 FAX: 905-624-6163

To: TRIEX RESOURCES LTD. P.O. BOX 11584 1410 - 650 W. GEORGIA ST. VANCOUVER, BC V6B 4N8

Page Number : 1-A Total Pages : 1 Certificate Date: 14-OCT-199 Invoice No. P.O. Number :19832909 QFW Account

Project : TRIEX Comments: ATTN: DUNCAN MCIVOR CC: STEW FUMERTON

CERTIFICATE OF ANALYSIS

A9832909

\$9955 205 225 10 <0.2 2.35 6 100 <0.5 25 167 43 3.91 10 <1 0.36 10 2.99 545 \$99567 205 226 30	SAMPLE	PRI COI	ep De	λu ppl Fλ+λ	o A A pp	g Al m 9	. As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
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	499060 499061 499062	205	226	10	0 5 5																	



analyaoa onomista doochon	ilata Tiegiaterou Asadyo
5175 Timberlea Blvd.,	Mississauga
Ontario, Canada	L4W 2Š3
PHONE: 905-624-2806	FAX: 905-624-6163

To: TRIEX RESOURCES LTD. P.O. BOX 11584 1410 - 650 W. GEORGIA ST. VANCOUVER, BC V6B 4N8 Page Number : 1-B Total Pages : 1 Certificate Date: 14-OCT-199 Invoice No. : 19832909 P.O. Number : Account : QFW

Project : TRIEX Comments: ATTN: DUNCAN MCIVOR CC: STEW FUMERTON

CERTIFICATE OF ANALYSIS A9832909 PREP Ni Pb T1 ΰ ۷ W Mo Na Ρ Sb Ti Zn Sc Sr SAMPLE CODE * ppm ppm * ppm ppm ppm DDE ppm ppm ppm ppm DDW ppm 499055 205 226 0.04 87 1100 9 0.16 < 10 < 10 98 66 1 < 2 < 2 98 < 10 205 226 499056 -------------------------------- -------------------------499057 499058 205 226 ------------_ _ _ _ _ ------------____ ~ ~ ~ ~ ~ ----205 226 --------------------_ _ _ _ _ ----------------499059 205 226 ----------------_ 499060 205 226 ------------------------499061 205 226 --------------------_____ --------------------499062 205 226 ----_____ _ _ _ _ _

Handlichen CERTIFICATION:



Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Mississauga

 5175 Timberlea Blvd.,
 Mississauga

 Ontario, Canada
 L4W 2S3

 PHONE: 905-624-2806
 FAX: 905-624-6163

THIEX RESOURCES LTD.
 P.O. BOX 11584
 1410 - 650 W. GEORGIA ST.
 VANCOUVER, BC
 V6B 4N8

Page Number :1 Total Pages :1 Certificate Date: 20-OCT-199 Invoice No. :19833455 P.O. Number : Account :QFW

Project : TRIEX Comments: ATTN: DUNCAN MCIVOR CC: STEW FUMERTON

CERTIFICATE OF ANALYSIS A

A9833455

SAMPLE	PREP CODE	Au ppb FA+AA								
499063 499064 499065 499066 499067	205 226 205 226 205 226 205 226 205 226 205 226	45 10 5 10 < 5								
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499083 499084 499085 499086	205 226 205 226 205 226 205 226	25 < 5 < 5 < 5 < 5								
									1	
L			 		 	<u> </u>	CERTIFICATIO	liana	e flex	audre



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990



Assessment Files Research Imaging

Transaction Number (office use)

ubsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, ssesment work and correspond with the mining land holder. Questions about this orthern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name	Client Number
TRIEX RESOURCES LTD.	304089
Address Ro. Box 11584, 650 WEST GEORGIA ST., SUITE 1410	Telephone Number 687 - 6644
VANCOUVER, B.C. VOB-4N8	Fax Number 687 - 1405
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (\checkmark) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, assays and work under section	surveys, Physical: drilling strip tion 18 (regs) trenching and associ	oping, Rehabilitation iated assays
Work Type		Office Use
GEOLOGICAL MAPPIN	6	Commodity
	J	Total \$ Value of \$ 38, 466
Dates Work From 21 08 Performed Day Month	98 To 03 11 98 Year Day Month Year	NTS Reference
Global Positioning System Data (if available)	Township/Area SEAPLE & HUTT TWPS.	Mining Division
	M or G-Plan Number M-1100 6 G • 3948	Resident Geologist Time Mens
3. Person or companies who	prepared the technical report (Attach a list if r	GEOSCIENCE ASSESSMENT OFFICE
STEWART FUM!	erton	(705) 268 - 7945
Address 205-44 BROUSET	AU AVE., TIMMINS, ONT. PAN-SY2	Fax Number (7+5) 268 - 825B
Name	······································	Telephone Number
Address		Fax Number
Name	······································	Telephone Number
Address		Fax Number
4. Certification by Recorded F	iolder or Agent	I

I, ______, do hereby certify that I have personal knowledge of the facts set forth in (Print Name)

this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent	sh	Date Nov. 30, 1998
Agent's Address f.o. Box 11584, SUITE 1410, 650 W. 680	Telephone Number (604) 687 • 6644	Fax Number (604) 687 • 140 5
0241 (03/97) VA-COUVER, B.C. V61	3-4NB	

Deemed March 04/1999

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Minin work minin colum indica	g Claim Number. Or if was done on other eligible ig land, show in this in the location number ated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this chim. 2 1 Q	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	\$26,825	N/A	24,00	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1	P 1227647	9	\$ 250	\$ 3600	Ð	
2	1227548	6	\$ 500	* 2400	o	
3	1227549	15	* 500	\$ 6000	0	
4	1227552	15	500	4 1233.03	0	
5	1227553	16	# 500	\$ 1233.04	O	
6	1228180	ю	\$ 500	# 12,000	0	
7	1235350	15	# 17,858.°3	\$ 6,000	· 11,858.**	
8	1235351	15	4 IT 858. 04	6.000	· 11, 858.04	
9						
10					DECEIV	FD
11					TILOEI	
12					DEC 5 4 10	CP
13					GEOSCIENCE ASSES	SMENT
14						
15						
	Column Totals	106	⁴ 38,466. ⁰⁷	* 38. 466. •7	\$ 23,716.07	

I, _____, do hereby certify that the above work credits are eligible under

subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holde	or Agent Authorized in Writing	Date		
, ¬	2_	NOVEMBER	30. 1992	

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (\checkmark) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or

4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

CUT BACK 14 THIS ORDER - 1227552, 1227553, 1227547, 1227548, 1227549, 1228180, 1235350, 1235351

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only		
Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
0241 (03/97)	Approved for Recording by Mining	Recorder (Signature)



Statement of Costs for Assessment Credit

Transaction Number (office use)

I am authorized to make this certification.

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 685.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of of work	Total Cost
LINE - CUTTING	46,6 LINE KM.	\$250/m	11,650,**
GEOLODICAL MARTING & REPORT PREP	50 Days (GEOLOGIET)	\$ 250 /D41	17.500."
GEOLOGICAL MAPPING	B DAVS - FIELD ASSISTANT	* 200 /DAU	4 1. 600.00
Accaus	62 GAD ASONS	4.85 /ASSAU	\$ 920. 70
ASDAUS	23 ICP A53445	\$ 21.85 /ASSAU	# 507.55
······	2.1909	37	_
Associated Costs (e.g. supplie	s, mobilization and demobilization).		
	DEBLOT BOE BARATION SUB 155	•	HISBI IB
			\$ 0476 99
			6710.
Transpo	ortation Costs		
29 DAUS TRUCK RENTAL		\$ 75 PER DAY	\$2,175.00
I DAN TRUCK RENTAL		110.65	110.65
Food and	Lodging Costs		
	DECEIVED		
<u> </u>	Theorem Theorem		# 29. ALL 07
	DEC 6 4 1003	value of Assessment work	001700.
Calculations of Filing Discounts:	GEOSCIENCE ASSESSMENT OFFICE		
 Work filed within two years of performance If work is filed after two years and u Value of Assessment Work. If this s 	rmance is claimed at 100% of the above To p to five years after performance, it can on ituation applies to your claims, use the cal	otal Value of Assessment Work Ily be claimed at 50% of the To culation below:	k. Ital
TOTAL VALUE OF ASSESSMENT WO	DRK x 0.50	= <u>Total \$ value of v</u>	worked claimed.
Note: - Work older than 5 years is not eligit	ble for credit.		

- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

Duncal MCIVOR , do hereby certify, that the amounts shown are as accurate as may reasonably (please print full name)

be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as

1.

(recorded holder, agent, or state company position with signing authority)

AGENT

	Signature	Date
Q212 (03/97)	(Hrz	Nov. 30, 1998

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

January 15, 1999

Duncan McIvor TRIEX RESOURCES LTD. P.O. BOX 11584, SUITE 1410 650 WEST GEORGIA STREET VANCOUVER, B.C. V6B-4N8



Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9846 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19037

 Subject: Transaction Number(s):
 W9860.00882
 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

- 120

ORIGINAL SIGNED BY Blair Kite Supervisor, Geoscience Assessment Office Mining Lands Section

Work Report Assessment Results

Data Correspondence Cente Japuany 15, 1000			A		
Date Correspondence Sent: January 15, 1999					
Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date	
W9860.00882	1227547	SEMPLE, HUTT	Deemed Approval	January 15, 1999	
Correspondence	to		Pocordod Holdor(s)	and/or Agent/s):	
Posident Geologie	st		Duncan Melvor	and/or Agend(s).	
South Porcupine, ON			TRIEX RESOURCES VANCOUVER, B.C.	S LTD.	

W-1100

-1201928, (15 UNITS) 15 UN Little Redstone Loke M-868 **TWP** TWP. Ш 3M-SEWD MOHER 2M.-

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NO GUARANTEED THOSE WISHING TO STAKE MIN ING CLAIMS SHOULD CON SULT WITH THE MINING RECORDER MINISTRY OF NORTHERN DEVELOP MENT AND MINES FOR AD DITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

M-1100



200



CEMPI E **AWT**



AR MARINE MARINE



IM VARIOUS SOURCES D ACCURACY IS NOT

JORDER, MINISTRY OF RTHERN DEVELOP

4DS SHOWN REPEON



Scale 1:20 000

42A038E2017 2.19037

Map Datum NAD27 solution for Ontario/Manitoba i.e. the X, Y,Z shifts of the Clarke 1866 Ellipsoid relative to the gravimetric centre of the world are: x= -9m, y= +157m, z= +184m.

220





Legend

			v
\bigcirc	IF Iron Formation	[a]	Located Claim
		\odot	Unlocated Cl
\bigcirc	C Carbonatized	1227553	Claim Numbe
		Θ	Sample Posn
\bigcirc	8 Olivine Diabase Dyke	\otimes	Mineralized
		\rightarrow	Glacial Stria
\bigcirc	7 Hornblende Diorite		Bedding
			Pillow Tops
\bigcirc	6 Ultramafic Intrusives	<u>_+</u>	Quartz Vein
			Mafic Dyke
\bigcirc	5 Metasediments	~~,	Foliation
	5b Wacke 5c Siltstone	۱ معم	Schistosity
\bigcirc	4 Felsic-Intermediate Metavolcanics	<u> </u>	Joint
	4 Massive Flow 41 Carbonatized 4b Tuff 4c Schistose, sericitic 4d Breccia	>	Lineation
\bigcirc	3 Mg Tholeitic Metavolcanics	-#->	Fold Axis
	3a Massive Flow3e Breccia3b Pillowed Flow3f Sheared3c Amygdaloidal Flow3g Carbonatized3d Tuff3h Amphibolitized	- 1 ->	Anticline
\bigcirc	2 Fe Tholeitic Metavolcanics		Fault
	2a Massive Flow2e Tuff2j Sheared2b Pillowed Flow2f Breccia2c Amygdaloidal Flow2g Amphibolitized, epidote veined2d Variolitic Flow2h Carbonatized	×	Smail Outere
\bigcirc	1 Komatiitic Metavolcanics		
	la Polysutured, serpentinized, peridotitic komatiite flow le Pillowed Flow		

- 1b Olivine spinifex peridotitic komatiite flow
- 1c Basaltic komatiite flow1d Pyroxene spinifex basaltic komatiite flow

lg Carbonatized lh Steatized 1j Sheared

relative to Timmins & Sudbury in NE Ontario.

Symbols

ocated Claim Post

nlocated Claim Post

laim Number

ample Posn. with Au assays in ppb

fineralized Float

Glacial Striation

ineation

ticline

mail Outcrop

2.19037

	Stew Fume Consult	e rton, Ph. ting Geologist	D.,
	Triex Rea	sources L	.td.
	West Re	dstone La	ıke
R	Semple, Hutt, F	ological S English & Zavitz T	Setting wps
R	Semple, Hutt, F	ological S English & Zavitz T N.T.S.	Setting wps 41P / 14
R Map Date	Regional Geo Semple, Hutt, H 1 25th Oct 1998	Ological S English & Zavitz T N.T.S. Scale	Setting wps 41P / 14 1:20 000
R Map Date Revision	Semple, Hutt, H 1 25th Oct 1998	Ological S English & Zavitz T N.T.S. Scale U.T.M. Zone	Setting wps 41P / 14 1:20 000 17
R Map Date Revision	Regional Geo Semple, Hutt, H 1 25th Oct 1998	Ological S English & Zavitz T N.T.S. Scale U.T.M. Zone Mapped by	Setting wps 41P / 14 1:20 000 17 SLF

Legend

	IF Iron Formation	
	C Carbonatized	
0	8 Olivine Diabase Dyk	e
	7 Hornblende Diorite	
	6 Ultramafic Intrusive	S
	5 Metasediments 5a Conglomerate 5b Wacke 5c Siltstone	
	4 Felsic-Intermediate 4a Massive Flow 4b Tuff 4c Schistose, sericitic 4d Breccia	Metavolcanics 4f Carbonatized
	3 Mg Tholeitic Metavo 3a Massive Flow 3b Pillowed Flow 3c Amygdaloidal Flow 3d Tuff	Icanics 3e Breccia 3f Sheared 3g Carbonatized 3h Amphibolitized
	2 Fe Tholeitic Metavol 2a Massive Flow 2b Pillowed Flow 2c Amygdaloidal Flow 2d Variolitic Flow	lcanics 2e Tuff 2f Breccia 2g Amphibolitize 2h Carbonatized
	1 Komatiitic Metavolc la Polysutured, serpentini lb Olivine spinifex perido lc Basaltic komatiite flow ld Pyroxene spinifex basa	anics zed, peridotitic kom titic komatiite flow ltic komatiite flow
	Symbols	5
•	Located Claim Post	
\bigcirc	Unlocated Claim Post	
1227553	Claim Number	
Θ	Sample Posn. with Au assays	in ppb
\otimes	Mineralized Float	
\rightarrow	Glacial Striation	
	Bedding	
- 	Pillow Tops	
	Quartz Vein	
	Mafic Dyke	
£,1-3	Foliation	
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	Sten
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<i>Fum</i> Consult	erton, H ing Geologist	Ph.D.,
x Res	sources	Ltd.
st Rec of Cen emple Town	lstone L ntral Gr ^{nship, Ontario}	ake id Area
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Oct 1998	Scale	1:2 000
	Mapped by	SLF
	Drawn by	SLF