Matachewan Gold Project,
Oka Grid

2003 Field Work:
Lithogeochemical Prospecting,
Trenching, Geology and
Diamond Drilling Results,
Powell and Cairo Townships
Ontario, Canada
NTS 41P/15

prepared for
Young-Davidson Mines, Limited
Toronto, Ontario, Canada

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Summary

Young-Davidson Mines, Limited carried out exploration activities on the Oka Project portion of the Matachewan Gold Project during August 26 to December 17, 2003, in Powell and Cairo townships, Ontario, Canada. The claim group is located in the Larder Lake Mining Division. This work followed up soil survey results defined earlier in the year (Zalnieriunas 2004). Exploration consisted of lithogeochemical bedrock sampling (131 samples), prospecting, completion of ten (10) trenches of physical work (for a total length of 830 meters and an evacuation of 3,885 square m eters), t rench grab sampling and channel sampling (334 samples), geological mapping and the completion of 34 surface diamond drill holes, for a total of 3,577,05 meters (see Zalnieriunas and Burden 2004 for drill logs and sections).

The initial bedrock sampling program returned twenty (20) samples that had values greater than 0.50 g/t gold. The best results were:

14.43g/t at 16+68E, 8+26N
6.41g/t at 11+95E, 3+82N
4.18g/t at 7+08E, 15+12N

Follow-up trenching was carried out on ten selected targets. In total, 49 grab or channel samples returned gold values of greater than 1.0 g/t Au. The best value was **24.72 g/t Au** in a grab sample at 16+66E, 8+21N in trench TR03-02, at what is now called the 14 Zone.

Geological mapping indicates that the property is underlain by a mixed sequence of Archean metavolcanics and clastic metasediments that appear to be folded. At least three deformational events have affected the area, and the supercrustal lithologies may in part be arranged in a series of interference fold patterns. These lithologies are intruded by sills or dykes of syenite and feldspar porphyry and younger intrusions of diabase.

Three east to northeast trending fault structures were found in the field: the North Zone Shear as defined in trenches TR97-17 and TR97-18; the Pond Fault in TR03-01 and TR03-02, which hosts the 14 Zone mineralization; and the DH Shear, exposed in trench TR03-04 and appears to host the DH Zone.

The north trending Hollinger Lake Shear is interpreted to pass into the southern half of the claim group, based on geophysical magnetometer data, and appears to be intruded by diabase in the more northern extension.

Gold mineralization found to date appears to correlate with the development of pyrite in areas of calcite alteration and variable amounts of magnetite and epidote. This is in marked contrast to the more typical pyrite-ferrocarbonate alteration that is associated with gold mineralization on the main mine horizon of the Matachewan gold camp, located some 3 kilometers to the south-southwest.

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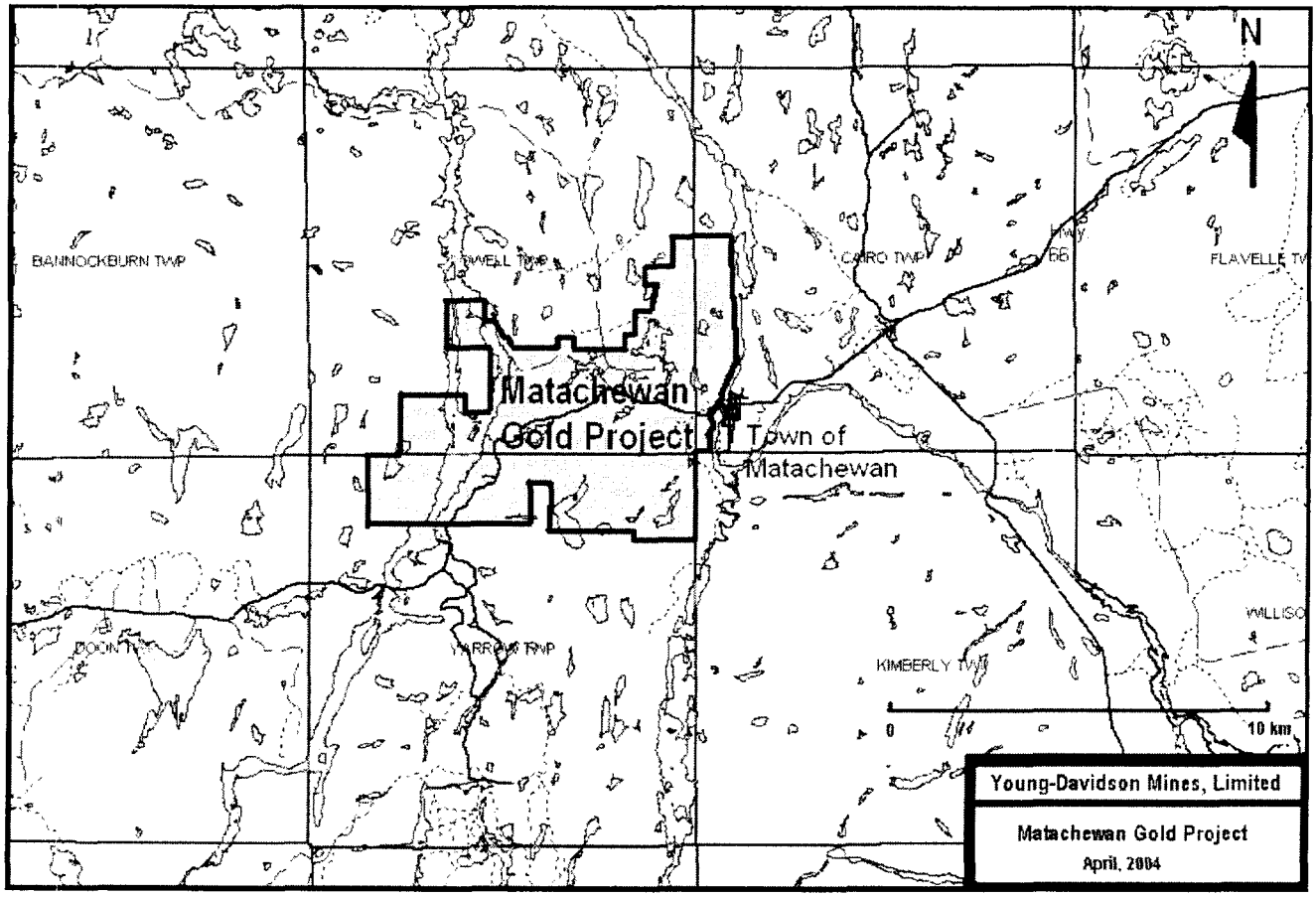
Figure 1: Key Map



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1. Introduction

A combined program of prospecting, lithogeochemical gold bedrock sampling, trenching and geological mapping was completed on the Oka grid, during the summer and early fall of 2003. Work followed up on soil sampling results (Zalnieriunas 2004) completed earlier in the year.

Exploration was carried out for Young-Davidson Mines, Limited as part of the on going evaluation of the Matachewan Gold Project. The results of some of the current reported work was followed up by a diamond drilling campaign (see Zalnieriunas and Burden, 2004) for drill logs and results.

2. Property; Location and Description

The Matachewan Gold Project is located in Powell, Cairo and Yarrow townships in Northeastern Ontario, Canada. The project is located approximately 45 miles southwest of Kirkland Lake, with the eastern boundary adjacent to the village of Matachewan.

The Matachewan Gold Project is comprised of 156 claims, mining leases, patents and licences of occupation acquired by staking, option agreements and percentage interests with several parties. The entire land holdings has a size of 12,066 acres (more or less), covering the bulk prospective extent of the Matachewan Gold Mining Camp. The project is owned and operated by Young-Davidson Mines, Limited, Suite 605, 80 Richmond Street West, Toronto, Ontario, Canada.

The Oka Project forms the northeastern subset claims of the Matachewan Gold Project, in Powell and Cairo townships, and is located immediately and contiguously north of the former Matachewan Consolidated (MCM) mining property. The Oka Project covers an area from about 3 kilometers north of the MCM Option and from about 2.3 kilometers immediately west of the Montreal River. The west boundary is about 200 meters east of the southwest corner of Little Hawley Lake and covers the northern extent of Otisse Lake. The Powell-Cairo township line transects the project almost in half in a north trending fashion. For reference, the Oka project grid center is located at 47°57' 52"N, 80°39' 45"W, within NTS 41P/15.

At the time of survey, the Oka Project consisted of 27 staked mining claims. The true areal extent of the claim group is approximately 566.6 hectares (1,400 acres). The current land position is contiguous (see Figure 2: Claim Map).

Staked mining lands included in the Oka Project are identified in Table 1.

Table 1: Oka Grid Claims

Mining Claim	Township	Agreement	Recording Date	Units
1199662	Cairo		Aug. 26, 2002	5
1199664	Cairo		Aug. 26, 2002	2
1223270	Cairo	SEDEX	May 17, 1995	1
1248827	Cairo		June 7, 2001	1
1248828	Cairo		June 7, 2001	2
1248829	Cairo		June 5, 2001	1
3004550	Cairo		Sept. 16, 2002	3
3004551	Cairo		Sept. 18, 2002	2
1199663	Powell & Cairo		Aug. 26, 2002	4
1205862	Powell	SEDEX	April 27, 1995	1
1206077	Powell	SEDEX	Sept. 15, 1995	1
1206081	Powell	SEDEX	Dec. 14, 1995	1
1206147	Powell	SEDEX	April 4, 1995	1
1206148	Powell	SEDEX	April 4, 1995	1
1206150	Powell	SEDEX	April 4, 1995	1
1207521	Powell		Sept. 15, 1995	1
1213838	Powell	SEDEX	May 27, 1997	3
1223271	Powell	SEDEX	April 10, 1995	2
1223281	Powell	SEDEX	May 17, 1995	1
1223283	Powell	SEDEX	April 10, 1995	1
1223284	Powell	SEDEX	April 10, 1995	1
1223285	Powell	SEDEX	April 10, 1995	1
1223286	Powell	SEDEX	April 10, 1995	1
1223287	Powell	SEDEX	April 10, 1995	1
1223288	Powell	SEDEX	April 10, 1995	1
1224878	Powell	SEDEX	April 10, 1995	1
3009961	Powell	SEDEX	Sept. 20, 2002	1
			27 claims	42 units

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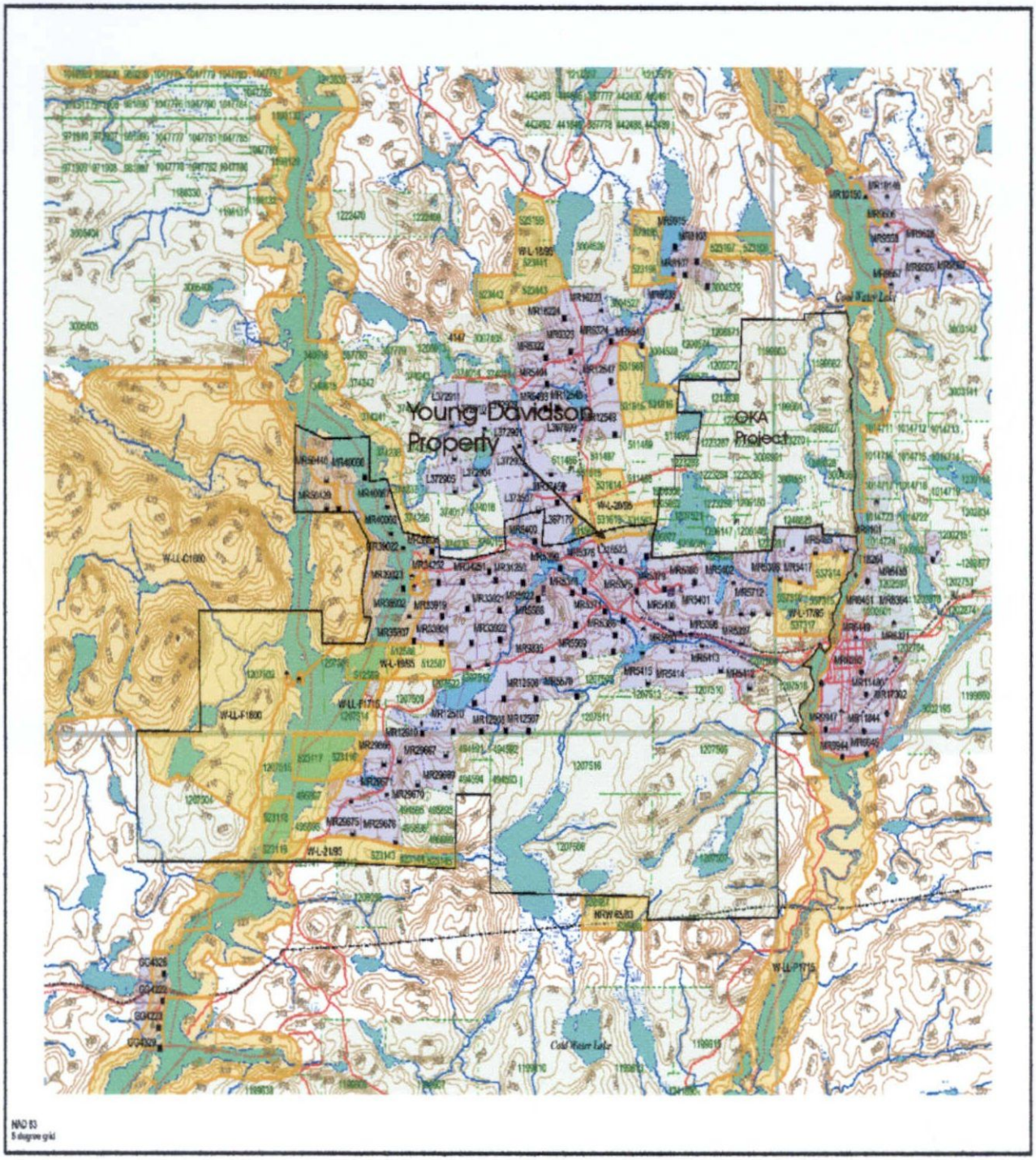
Figure 2: Claim Map



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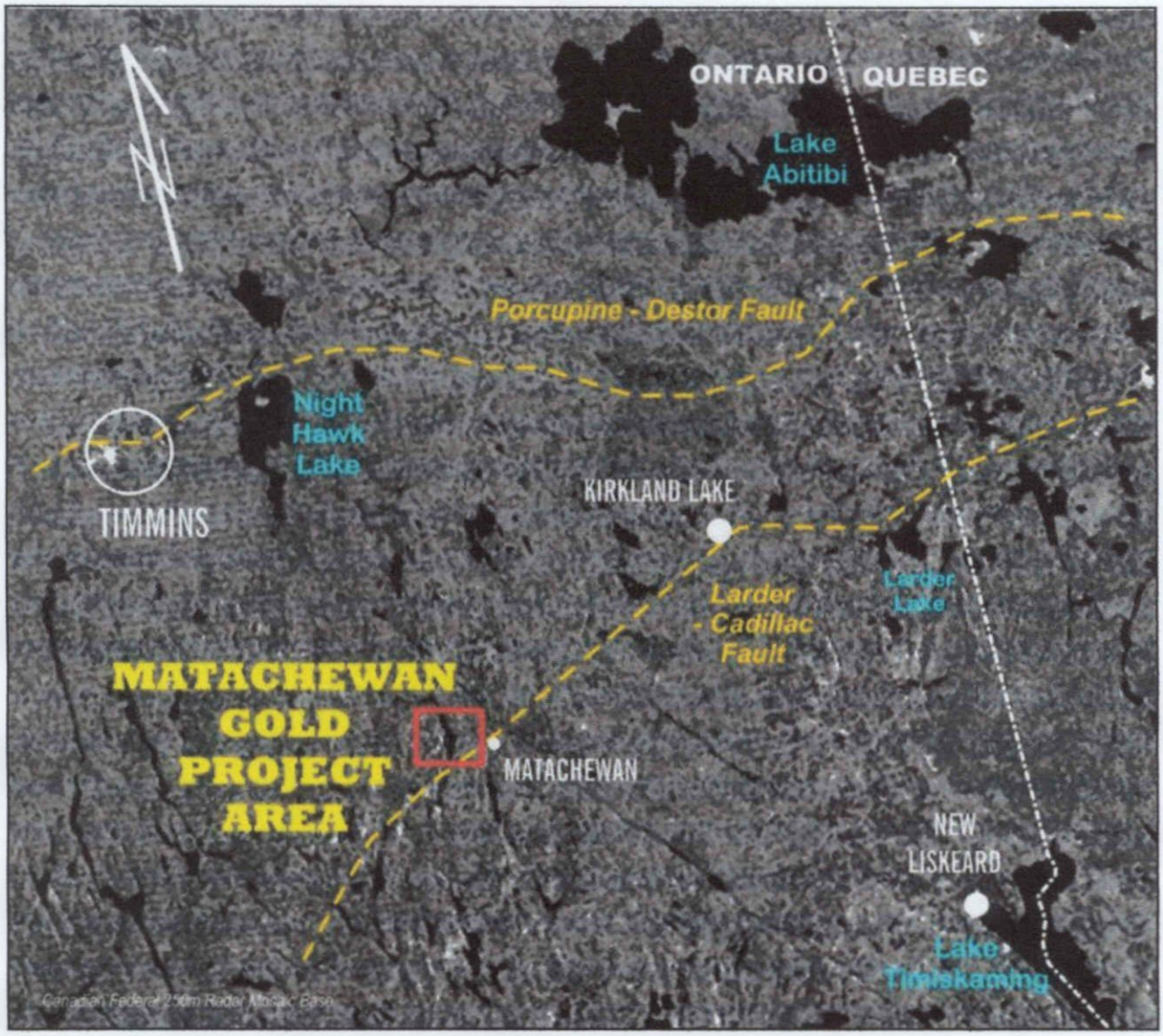

Figure 3: Location of the Matachewan Gold Project

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3. Access

The village of Matachewan lies on the eastern boundary of the project area and provincial Highway No. 566, which leads westward from Matachewan with a series of secondary roads, providing good access to the entire land package. The western limits of the Oka Grid can be reached by driving east on a forestry access road that departs from Hwy 566 about one kilometer north of the Matachewan Consolidated mine access gate, while the Matachewan River provides access to to eastern limits of the grid.

Diamond drilling trails are developed throughout the central part of the grid, giving fair to good access by foot, all-terrain vehicle (ATV) or snowmachine on a year round basis.

4. Summary of Exploration and Development Work

H.C. Cooke (1919) noted that some prospecting for gold was carried out in the Matachewan district as early as 1909, but, an intense period of prospecting followed a staking rush sparked by the 1916 gold discovery in Powell Township of J. Davidson and later that same year by S. Otisse. These discoveries ultimately developed, respectively, into the Young-Davidson and Matachewan Consolidated gold mines.

Prior to that time, geological reconnaissance surveys of the district were carried out by Robert Bell in 1875, while traversing the Montreal River and by E. M. Burwash in 1897 by mapping the district line as well as Sinclair's 1866-7 survey line. In 1900, J. L. R. Parsons noted the presence of gold in some samples of quartz and pyrite taken from veins near Old Woman Rapids, in Cairo Township.

In 1917, A.G. Burrows examined the four townships of Cairo, Powell, Alma and Baden, while H. C. Cooke completed the topographic and geological mapping of the northern half of Kimberly, Yarrow, Doon and Midlothian townships and the western half of Powell township, Bannockburn, Argyle, Montrose and Hinks townships during 1917-8. The geology of the Matachewan-Kenogami area was mapped by W.S. Dyer during 1933-4. The townships of Baden, Alma, Powell and Cairo, as well as Indian Reserve 72 were mapped by H. L. Lovell during 1963-4. Some recent work by the Ontario Geological Survey has been carried out in the mid-1990's by L. S. Jensen (1995) in Powell Township and by Ben Berger during 2002 in Cairo Township. The most recent provincial geological compilation of the area was released by the Ontario Geological Survey in 2003 (Ayer et al 2003).

A great deal of exploration and development work has been done on the Young-Davidson property over the years since 1916. To date, 2 shafts, 6 production levels and 1 exploration level have been completed. Production of gold from this property took place mainly from 1934 to 1957. Royal Oak Mines Inc. reports indicate that a total of 6,213,272 tons grading 0.10 oz/T Au were mined for a total production of 585,690 oz gold and 131,939 oz silver. Lovell (1967) reports 6,128,272 tons containing 585,690 oz Au and 131,989 oz Ag.

Considerable exploration and development work was also done on the Matachewan Consolidated property over the years since 1916, including 3 shafts and 11 production levels. Production of gold from this property took place mainly from 1934 to 1954. Royal Oak documents indicate that a combined (volcanic + syenite) production of 3,525,200 tons grading 0.11 oz/T gold was extracted and yielded 378,101 oz Au and 132,210 oz Ag. Lovell (1967) quotes 3,535,200 tons from which 370,427 oz gold and 133,710 oz silver were recovered.

A summary of work relevant to the Oka Project is outlined below in chronological order.

Culver Gold Mines Limited (1928):
Culver Gold Mines reported having the first professional geologist examine the property. In 1928 an engineer by the name of Huntoon issued a favourable report which led to drilling and trenching on the property. Diamond drilling commenced in 1934, with little encouragement. The best intersection was a five-foot section of 0.22 oz/ton gold. A total of 6,700 feet were drilled at a number of unknown locations on the property.

O'Connell Gold Mines (O'Connell Shaft Area) (1935):
In 1934-1935 O'Connell Gold Mines completed work on claim L 1206147. The following description of work is included on page 37 of O.G.S. Report 51, Geology of the Matachewan Area:

> "A shaft is being sunk to explore a quartz vein, from which values have been reported by the company; this shaft has reached a depth of 75 feet in July 1934. The vein reached a width of 1.4 feet and is mineralized with chalcopyrite, pyrite, and tourmaline. It is vertical and strikes northeast, parallel to the schistosity in the soft, grey altered greywackes, which form the country rock. The vein could be followed only a short distance, owing to the fact that it has been faulted". No further work was reported by O'Connell Gold Mines."

Bloom Lake Consolidated Gold Mine (1937):
Bloom Lake Consolidated Gold Mine obtained the property and extended the existing shaft to a depth of 125 feet. Results of this work are unknown. Further work was not reported by the company.

Matachewan Consolidated Mines Ltd. (1969):
Matachewan Consolidated Mines Ltd. acquired a 19 claim property straddling the Powell-Cairo township line. Linecutting of 18.9 miles and a VLF-EM survey were completed over the grid. One shallow exploration drill hole was completed to test a short conductor, but, no further work by the company is recorded and the claim group was allowed to lapse. Work covered part of the northern portion of the current Oka claim group.

F. J. Garbutt (1974):
F. J. Garbutt completed a magnetometer survey on a portion of the property situated over Otisse

Lake. The survey outlined one strong magnetic horizon oriented in a north-south orientation, possibly a diabase dyke. Follow up work was not reported.

Texasgulf Canada Limited (1975):
Texasgulf Canada Limited optioned the claims from F. J. Garbutt and completed a VLF electromagnetic survey on the property. No significant anomalies were identified and the property was returned.

Dr. F. Yandel (1975):
Dr. F. Yandel acquired the property and contracted Cana Exploration Consultants Ltd. to perform magnetometer, VLF-EM, Vertical Loop EM (VLEM) and geological surveys on the north portion of the property. The magnetometer survey identified a number of magnetic high zones found later to be diabase dykes. The VLF survey identified three conductive zones. The VLEM survey identified a number of marginal conductors. The geological mapping identified the main lithology types in the area: syenite intrusions, mafic volcanics, diabase dykes and sediments. A number of old trenches and drill hole setups were identified in the mapping program. Widespread pyrite mineralization was noted on the property. Follow up work was not recorded

Selco Mining Corp. Ltd. (1976):
Selco cut a grid over a 4-claim holding to cover an airborne EM anomaly located at the east boundary of Powell Township. The claims were surveyed by ground magnetometer and an EM-17 survey. No significant anomalies were recognized and the claims were dropped.

AMAX Exploration Inc. (1977):
AMAX acquired the dropped Selco claims and completed another magnetometer survey as well as a MaxMin (HLEM) survey and geological mapping. Ground geophysics failed to explain the airborne response and the ground was again dropped.

Sylva Explorations Ltd. (1979-1980)
Sylva Explorations Ltd. acquired the property and completed geophysical magnetometer, VLF-EM, Self Potential (SP) surveys, as well as geochemical surveys. Five geophysical targets were outlined. Two diamond drill holes were drilled to test anomalies on Otisse Lake. The holes encountered sulphide mineralization in the greywacke and conglomerate units. No significant gold assays were returned. No further work was reported, so it is unknown if the geophysical anomalies were ever followed up on.

Otis J. Explorations-Sedex Mining Corp. (1995-1998)
Otis J. Explorations optioned the property in 1995. The company changed it's name to Sedex Mining Corp. in 1996. During 1995, a 17.1km grid was cut (2.6km on Otisse Lake) with baseline at 060° and cross lines at 330°. The grid was surveyed by magnetometer and 5.9km of Induced Polarization work.

During January 1996, Sedex drilled three holes (405.38m) testing two IP targets at the O'Connell shaft area, 350m east of the south end of Otisse Lake. Several wide but low grade, anomalous gold

sections in a sedimentary host were recognized by this work in hole SO-96-01 and 03. Two days of summer prospecting were spent exploring the sediment-volcanic contact. Best assay results came from an old pit located at L8+00E/6+25N which ran 2.0 g/t Au in a grab sample.

During November 1996 and February 1997, an additional seven drill holes (SO-96-04 to 10) were completed for a total of 1801.0m. This work followed up the previous winter's drilling as well as some additional IP targets. Sedex announced that it had intersected 1.06 g/t Au over a 72m width, containing a higher grade core of 6.16 g/t Au /6.0m termed the OKA zone.

During the summer of 1997, 6 days of partial mapping were carried out on the northern mafic volcanic horizon. In addition a 305 sample "B-horizon" soil survey was completed on the western portion part of the sediment-volcanic contact. The soil survey identified several anomalies using 10 ppb Au as a threshold value. The company followed up two soil anomalies by mechanical trenching and stripping. These were: Anomaly A, situated from L11+00E/11+00N to L7+00E/14+00N, with a peak value of 1046 ppb Au, and Anomaly B, a weak response that extends from L10+00E/6+00N to L8+00E/5+75N, that corresponds to a bedrock grab sample of 2.0 g/t Au on L8+00E, and trends to the east with a peak value of 15 ppb Au. A total of 8 trenches were completed, for a length of 1.45km, with 515 grab and channel samples taken.

During the summer of 1998, an additional 8 drill holes (1042.0m) were put down to primarily test soil Anomaly A. The company claimed that this work and some subsequent stripping successfully delineated a new anomalous gold zone termed "North Zone" for a strike length of 200m. That fall, an additional 6km of linecutting, soil surveying and partial mapping was carried out to the east on the East Grid Extension area, from L10E to L20E.

Larait Property Corp. (2000):
A high resolution aeromagnetic survey was completed by Terraquest Ltd. for Larait Property Corp. over the Matachewan area. A total of 944km of 046° azimuth, 100m-spaced lines were flown at a nominal terrain clearance of 75m.

Young-Davidson Mines, Limited (2003):
The company completed linecutting, magnetometer and soil surveys prior to carrying out lithogeochemical bedrock sampling, trenching and geological mapping (as reported here). Since that period, a diamond drilling campaign, consisting of 34 holes totalling 3,577.39 meters was completed during the period of October 16 to December 6, 2003.

5. Physiography, Glacial Cover, Soils, Vegetation and Climate

Ontario Geological Survey Map 5020 (Roed and Hallett 1979) indicates that the Matachewan Gold Project occurs within an area of knobby or hummocky local moderate relief with dry drainage. The landform area is noted as bedrock knobs with subordinate till ground morrain. Keast (2002) refers to the project's topography as ranging from open areas of poorly drained bogs, to rugged high exposed bedrock ridges, with rapid elevation changes of up to 200 feet. During geological mapping of the Oka Grid (Zalnieriunas in prep.) a number of prominent north trending ridges were noted, that, invariable at their cores, showed poorly exposed knobs of diabase.

Bedrock exposed throughout most of the Oka Grid area is poor at <5%. Outcrops are, in general, moderately to thinly moss covered. Well drained areas of valley floors and ridge slopes exhibit a thinly draped veneer of loose, gritty pebble to cobble ablation till and occasional boulder erratics. Some ridges and small hills in the central area of the Oka grid are covered with a well sorted, medium to fine grained sand. This suggests the presence of some lacustrine sand bar, dune or re-worked wave action beach deposits on the tops of some of these topographic features. These have to be considered in interpreting the available soil data. Diamond drilling suggests that the till reaches a maximum depth of 10 to 20 feet but generally is much less.

A well developed podzol soil type is found throughout the entire project area in areas that are moderate to well drained. Very localized, small, poorly drained basins may show brunisol or gleyed soils while larger basins are usually filled by moss or peat deposits.

Vegetation throughout the survey area is a mixed secondary growth forest that is transitional to the boreal conifer stands found to the north. The presence of old and new sawed tree stumps suggest that much of the area has been subject to tree harvesting. Trees now mainly consist of a mixed canopy stand of balsam, poplar, birch, spruce, pine and maple intergrown with alder, hazel and other shrubs, with occasional areas of ash and cedar in more poorly drained areas. Cedar is also prolific along the bank of the Montreal River.

The climate is best described as modified continental, with warm, moderately dry summers and cold snowy winters. Seasonal daytime temperatures typically range from +35°C to +15°C during the summer to -35°C to -10°C in the winter.

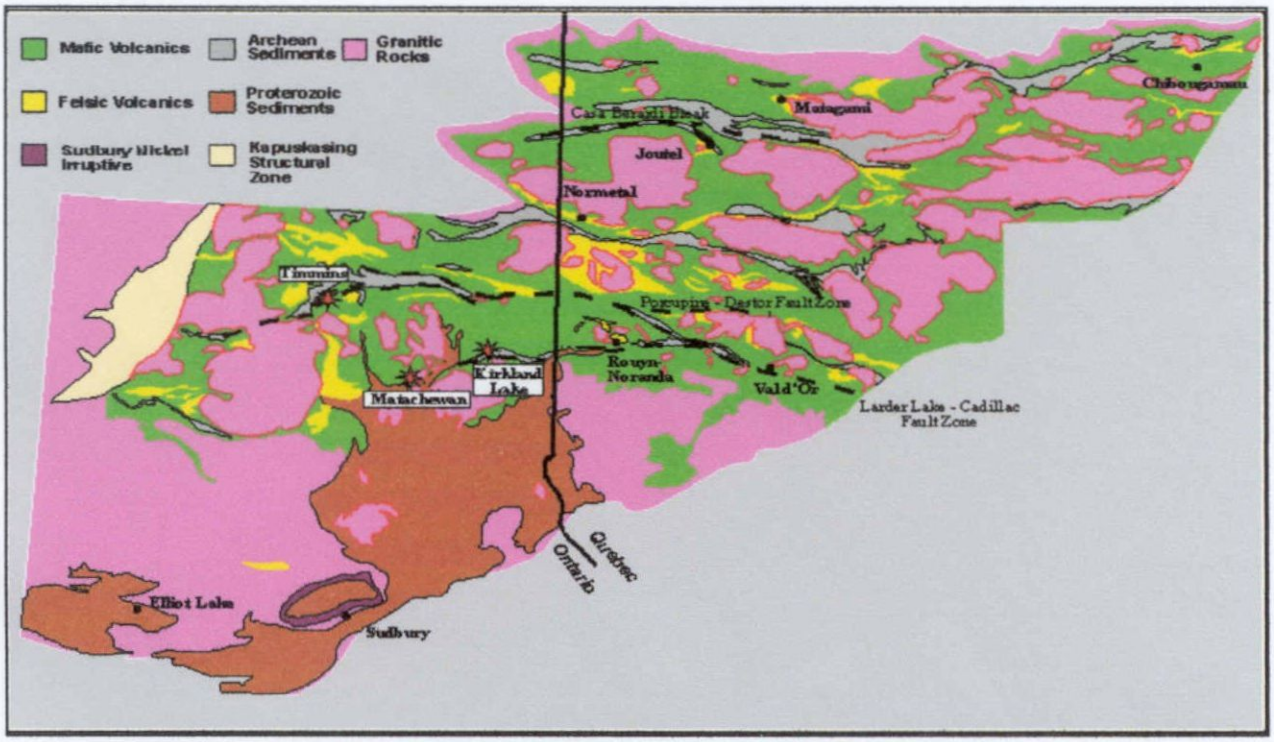

Figure 4: Regional Geology of the Abitibi Greenstone Belt

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6. Regional Geology

The project area is located in the southwestern portion of the Abitibi Greenstone Belt.(Ayer et al, 2003) describe the Abitibi Subprovince as " one of the world's largest, best preserved and most economically productive greenstone belts" and is an 800 by 300 km Archean "granite-greenstone" domain located along the south boundary of the Superior Province, with an age range of 2.75 to 2.67Ga (Jackson and Fyon, 1991).

Regional metamorphic grade for the area is greenschist facies with local higher grade areas of amphibolite facies found peripheral to some granitoid intrusions. Lithologies primarily consist of isoclinally folded Archean ultramafic to mafic metavolcanics, inter-flow and later on-lapping marine clastic metasediments, which have been intruded by a range of felsic to intermediate intrusives and later north trending Matachewan diabase dyke swarms. Relatively flat-lying Proterozoic sediments unconformably overlie this older sequence of rocks.

The Matachewan mining camp is commonly described as the western known end point of the Cadillac-Larder Break (CLB), a crustal scale reverse fault structure that extends to the immediate east of Val d'Or, Quebec, at which point the structure merges with and disappears into the Grenville Front. The CLB structure may extend southwest of the Matachewan area, under a cover of sediments of the Huronian Supergroup. The CLB and the Porcupine-Destor Break (PDB) are the two most significant gold localizing structures in the region. The location of the actual trace of the the so called "Break" at Matachewan has been much debated. The overall expected strike should be 070° and should show a steep subvertical dip. The current OGS compilation map P.3527 places the CLB at the Temiskaming sediment - mafic volcanic contact, immediately north of the two principal past producing mines with an east strike (Ayer et al, 2003). I would suggest that a more likely trace of the CLB is some 1 to 2 kilometers to the south of this location, possibly passing through or near the Matarrow past producer in Yarrow Township.

7. Local Geology

The Oka grid is primarily underlain by Archean metavolcanics and metasediments which have been intruded by a set of alkalic to subalkalic granitoids and subsequent mafic diabase dykes. A table of geology is provided on the following page.

Identified lithologies and a discussion of known structure, as identified by the 2003 field work is described as follows:

Table 2: List of Lithologies

(modified after Ayer et al 2003)

PHANEROZOIC
CENOZOIC
QUATERNARY
Pleistocene and Recent (sand, gravel and peat)
regional unconformity
PRECAMBRIAN
PROTEROZOIC
Nipissing Diabase/Gabbro
Huronian Supergroup
Lorrain Formation
Gowganda (Cobalt) Formation
Diabase Dykes:
Abitibi Swarm (ENE) 1.140 Ga
Sudbury Swarm (WNW) 1.238 Ga
Biscotasing Swarm (ENE) 2.167 Ga
Matachewan Swarm (N-NW) 2.452 Ga
intrusive contact
ARCHEAN
NEOARCHEAN
Alkalic-Subalkalic Intrusives
(syenite, monzonite, granite, diorite)
Felsic-Intermediate Intrusives
(tonalite/granodiorite - quartz diorite)
Porphyritic Intrusives
(quartz &/ feldspar porphyry)
Alkalic Intrusives
(augite syenite, syenite, lamprophyre)
Mafic-Ultramafic Intrusives
(diorite/gabbro - pyroxenite/dunite)
intrusive contact
Temiskaming Clastic Metasediments
(sandstone, wacke, mudstone, conglomerate)
conformable to disconformable contact
Chemical Metasediments
(iron formation -oxide, sulfide, silicate, graphite)
Clastic Metasediments
(sandstone, wacke, conglomerate, re-worked tuffs)
conformable to disconformable contact
Alkalic-Subalkalic Metavolcanics
conformable to disconformable contact
Felsic-Intermediate Metavolcanics
Mafic Metavolcanics
Ultramafic Metavolcanics

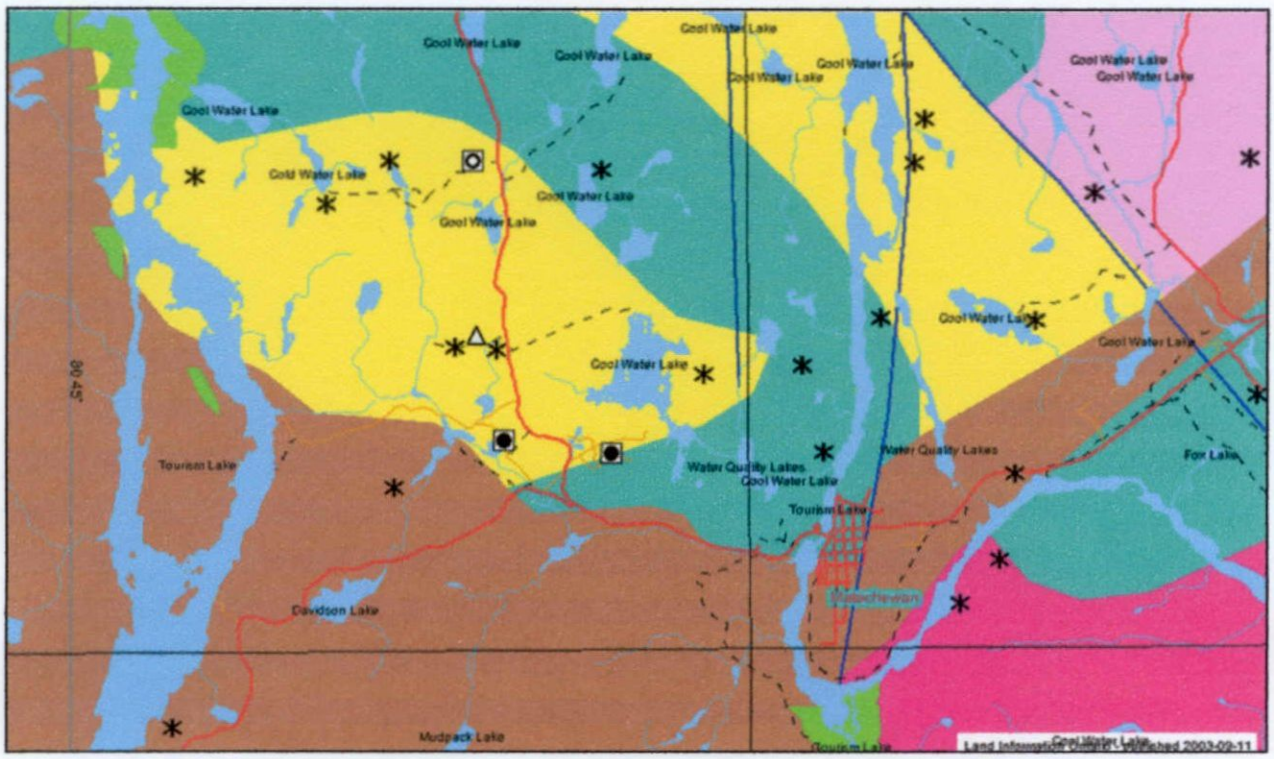

Figure 5: Regional Geology of the Matachewan Area
(from MNDM)

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a) Lithologies

Outcrop exposure on the Oka grid is generally poor at <5% to 1%. A description of noted lithologies recognized during the 2003 field season is provided. This summary is based on field observations and work that consisted of geological mapping, mapping of new trenches (results shown in this report) and diamond drilling (logs reported by Zalnieriunas and Burden, 2004, *filed under separate cover*). Geochemical profiling of the lithologies has not been undertaken to date and the lithology nomenclature represents applied field terms based on field observations only.

The current geological legend has had a long evolutionary history. It is the current drill logging coding for the Matachewan Gold Project and was primarily established by Royal Oak in the mid-1990's. The legend has terms that have historical mining significance at either the Matachewan Consolidated or Young-Davidson mines, or terms introduced by Pamourex.

The rock type discussion is arranged to proceed from the interpreted oldest to youngest rock units.

Ultramafic Volcanics (4umv): are poorly exposed and when seen on surface occur as low, well rounded, grey to rare brown weathering, small slippery talcose rock mounds or hills of grey to grey green colour. The lithology consists generally of fine grained massive flows occasionally showing a sub-meter polygonal jointing pattern. The rock unit may also be intercalated with occasional stratiform ultramafic breccia bands interpreted to mark flow contacts and in drill core also shows occasional well preserved spinifex pseudomorph textures, indicating that the bulk of this unit represents an extrusive depositional flow environment with some related autoclastic breccias. The flows are now invariably altered to a primary mineral assemblage of talc-carbonate-chlorite-magnetite+/-serpentine. The flows are true komatiites which may show a minor upper sequence, a few 10's of meters thick, of dark green komatiitic-basalt at the upper contact with overlying mafic volcanics.

Mafic Volcanics (4mvo): occur as small grey weathering outcrops, are green in colour due to chloritization, are usually fine grained and typically after fresh moss stripping appear to consist of massive flows showing a thinly laminated texture due to the development of several generations of penetrative, subvertical cleavage. (see discussion on structure later in report). Outcrops which have been exposed to the elements for a longer time, or mafic volcanic sections seen in core, show textures consistent with an extrusive submarine depositional environment and appear as a set of intercalated, thin to thickly bedded massive to pillowed flows, breccias (including flow top to pillow breccias) and distal hyalotuffs. Occasionally the thicker massive flows show a gabbroic medium grained flow center.

Felsic Volcanics (4fvo): have not been noted to date

Older Clastic Sediments (4sed, 4ifs, 4lsed, 4msed, 4ums): are a diverse set of lithologies that are intimately spatially associated with the previously described volcanic sequences. Field relationships suggest that these sediments occur intercalated with the volcanics. The

volumetric bulk occurrs towards the upper sections of the ultramafic or mafic volcanic cycles. For the most part, the primary common aspect of these rocks is their "dirty" appearance, meaning that they have a high mafic mineral content, are usually green chloritic and appear to have an immediate volcanic provenance. The sediments all appear to be water lain, in varying but generally moderate energy regimes. They range from medium to thickly bedded conglomerates to thinly bedded mudstones. Not all of the various sediment types have been recognized on the Oka grid to date. The sediments may be the best recognized project marker horizons for sorting out stratigraphy. The major units are summarized as follows:

4msed: "mafic sediments": represents a dark grey to dark grey-green, usually well foliated tuffaceous looking, medium to thinly bedded re-worked tuffs / volcanoclastic sediments, medium to fine grained, strongly chloritic and invariably highly to moderately magnetic. This is a Pamour term for a group of interflow sediments developed in the south greenstone hanging wall of the Young-Davidson deposit. The best examples occurs south of Hollinger Lake and north of Hwy.566. The unit is spatially associated with the upper sequence of the ultramafic volcanics and may mark a distal upper re-worked tuff basin. A minor example of this unit may occur in 1997 trench exposures of Sedex near Line 0 at 1+00S, immediately south of the Oka Zone. No other exposures were noted in 2003 on the Oka grid.

4ums : "ultra mafic sediments" is a Royal Oak term adopted following a visit by Larry Jensen (OGS) to a distinguish a fine to very coarse, monomictic conglomerate horizon composed essentially of well rounded ultramafic volcanic cobbles and pebbles in a gritty ultramafic tuffaceous matrix. The type example occurs along the north edge of No.3 Pit. This may the so called "tuff" horizon talked about by early Matachewan Consolidated mine geologists, and may be the horizon that early prospecting focused on during the 1916-1941 era. The horizon is distinct, revealing a well to moderate developed "green carbonate" alteration of bright green fuchsite, variable carbonate, quartz veinlets and occasional sericite. The horizon is known to extend from south of the Young-Davidson deposit to the shores of Otisse Lake. No examples were seen at the Oka project in 2003. The unit can be considered to mark the true base of the Temiskaming Formation.

4sed : identifies any greenish chloritic, clastic "interformational sediment" found in, or at the stratigraphic top of the greenstone sequence. It is further subdivided into the following categories: (pc) - pebble conglomerates; (c) - conglomerate; (w) - wacke; (a) - arkose and (m) - mudstones.

4ifs : "inter-flow sediment" is a code reserved to describe minor restricted bands, lenses or horizons of green, chloritic re-worked mafic tuffs, generally thinly bedded and commonly showing a volcanic tuff or breccia (flow top breccia, pillow breccia) base that may grade upwards to a medium to dark grey-green, fine grained, thinly laminated to thinly bedded turbiditic mudstone. The mudstone may possibly show the presence

of weak graphite. 4ifs sequence thicknesses are generally less than 10 meters to submeter in scale.

4lsed : a grey, feldspar-rich and chlorite-poor, turbiditic sediment with noticeable accessory disseminated biotite, subdivided into categories: (pc) - pebble conglomerates; (c) - conglomerate; (w) - wacke; (a) - arkose and (m) - mudstones. The coarser units tend to be monomictic in character, having subrounded to well rounded, felsic matrix supported sedimentary clasts or subangular "rip-ups". The term "lsed" is a Pamour/Royal Oak code that stands for "Larder Lake Group Sediments", a formational term generally not used now. These lithologies are indistinguishable from sediments found in the central and upper sequences of the Temiskaming Group. The term is used for any turbiditic "shelf-type" sediment found within the primary volcanic domains. The type section is the south hanging wall to the Young-Davidson deposit. These lithologies may represent an older sedimentary sequence, or may represent in-folded or structurally transposed bands of the Temiskaming Group. In the field, the term is only used for sediments that are inter-formational to volcanic horizons and that show a lack of characteristics that distinguish them from the basal section of the Temiskaming Group; primarily no trace of fuchsite, jasper, or polymictic syenite-cobble bearing conglomerates.

Chemical Sediments (4cht, 4ms, 11): a minor amount of thinly laminated pyritic chert bedding (4cht), in part boudinaged, occurs as minor lenses in the south end of Sedex trench TR97-18, in the volcanic exposure between 10+25E/11+80N to 10+60E/11+40N. A minor pyritic massive sulfide (4ms) horizon was intersected in drill hole OK03-34 and pyrite-pyrrhotite stringers were noted in drill hole SO98-18. Lean banded magnetite iron formation "BIF" (11) has been found by diamond drilling in the MCM volcanic mine sequence, south of the Oka grid, but no exposures have been outlined to date on the current property.

Clastic Temiskaming Sediments (1tseds): are a diverse set of thick to thinly bedded, grey arkosic "shelf-type" turbiditic sediments that range from coarse polymictic, matrix to cobble supported, conglomerates, pebbly arkose, mudstones and greywackes. The base of the sequence tends to show evidence of a partial ultramafic volcanic source as indicated by the presence of angular fuchsitic clasts or chrome bearing micas in the matrix. Rare red jasper clasts are also present. The sequence appears to grade from an arkosic base of primarily volcanic provenance with subordinate material from granitoid and sedimentary terrains to a more re-worked quartzo-feldspathic sequence in the upper sections. The southern +1 kilometer of the Oka claim group is underlain by this unit.

Intrusive Gabbro (4gab): a few occurrences of a medium to coarse grained, massive gabbro were found by mapping in 2003. In most cases they are spatially associated with the walls of mapped or magnetically inferred diabase dykes and may be some form of crystal differentiation or contact metamorphism associated with these intrusions. In addition, some minor fine to medium grained massive, gabbroic textured basaltic feeder dykes and flow

centers were noted during mapping. These were coded as mafic volcanics.

An enigmatic, mafic to ultramafic intrusive was noted on the south and west shore of a small pond, immediately north of sub-baseline 8+00N in the vicinity of Line 15E. The core of this intrusive is massive, coarse grained with a gabbroic texture. The unit becomes chilled, sheared and shows 1 to 5% black disseminated acicular amphibolite(?) needles with some possible biotite in the new trench exposures located between lines 16E and 17E at about 8+50N. At the trench locations, this unit separates the new found 14 Zone from the 14 South Zone. Early core logging of the chilled and sheared intrusive identified it as amphibolitic sediments. Additional petrographic study is needed to identify the rock type. It appears to be an early mafic to ultramafic intrusive showing some felted tremolitic(?) textures at it's altered chilled extremities. For the present time it has been called gabbro.

Alkalic to Subalkalic Intrusives and Porphyries (7syn, 7syp, 6ffp, 6qfp, ctz):
are a poly-phased set of intrusive dykes and small plugs that occur throughout the Oka project. The intrusives, when examined in detail, usually show internal chilled contacts with a variable degree of external contact zone (ctz) partial melting, brecciation and digestion of the surrounding wallrock. This suite of lithologies is the same as the ore hosting Young-Davidson mine sequence intrusives and consists of pink to red, fine to medium grained, equigranular syenite. These may be intruded by pink and green coloured, medium to coarse grained, flow banded trachytic syenite porphyry having variable amounts of mafic mineral matrix constituents, possibly due to variable amounts of wall rock assimilation, which may be cut by a grey, fine to coarse grained feldspar porphyry that occassionally shows a younger quartz-feldspar porphyry phase.

Lamprophyre (9): any dark grey, fine to coarse grained, mafic mineral rich feldspathic intrusive lithology, typically showing the presence of trace-10% fine to medium grained biotite, has historically been referred to as lamprophyre. Small cross cutting injection stringers to small dykes and sills of this material can be found throughout the grid, but it is prevalent as a late phase intrusive at the contact, within or near the earlier syenites and porphyries. This unit may represent a late phase- upper country rock assimilated wth syenite or re-mobilized melted country rock developed by the passage of the earlier alkalic intrusives at mid-crustal depths rather than a true lamprophyre.

Matachewan Diabase (5): All the mapped diabase is currently assigned to belonging to the Matachewan swarm. The lithology consists of a grey to locally rusty-brown weathering, dark grey to green black, fine to coarse grained massive gabbroic intrusives showing chilled margins and typical diabasic textures. It is composed essentially of pyroxene and feldspar with variable magnetite and trace amounts of disseminated pyrite. Occasionally the unit contains up to 15% of very coarse grained, corroded and well rounded, sausseritized pale green feldspar megacrysts, in which case it was mapped as glomoroporphyritic. The contacts may be linear, but often show narrow, siliceous hornfel contact zones or occasionally a loose, amphibolitized rubble indicating that the intrusives may in part have come up in a pre-existing

fault structure. At other localities, the contacts may be flamed.

Huronian Sediments (8): occur in the project area as fairly flat lying sedimentary beds of variable thickness. No examples of this unit were noted at the Oka project. These sediments typically form a set of large hills and ridges, south and west of the Matachewan mine workings. The beds range from matrix supported polymictic conglomerates and tillites, showing rounded pebble to boulder sized clasts of granitoids, syenite, volcanics, sediments and white angular quartz set in a gritty arkose matrix, to arkose and intercalated mudstones. Diamond drilling through the sequence has noted the presence of a few bands or horizons of stratiform and stratabound "red beds" in the upper part of the preserved sequence. Alteration consists of hematite-silica with minor amounts of disseminated pyrite. No economic gold values have been returned from sampling these horizons. These red beds may represent horizons of preserved weathering, but are more likely indicative of old aquifers activated by basinal dewatering.

b) Structure

The Oka claim group can be best described as being underlain primarily by metasediments in the upper and lower reaches of the claims with a 100° striking band of metavolcanics found in the central core of the property. Dip attitudes for both volcanic-sediment contacts on the Oka grid are yet to be determined. The contacts are interpreted from ground magnetometer results and the spatial distribution of lithologies. These lithologies are interpreted to be controlled by a set of 100° trending synforms filled by the metasediments and a corresponding volcanic antiform core. The southern boundary of the lower synform has been defined by exploration efforts on the Matachewan mine horizon (south of current Tie-Line-South), as being overturned, showing stratigraphic tops to the north, striking east, but locally flextured, with overall dips of -65° to the south.

In most cases, the metavolcanic and metasedimentary outcrops show evidence of three (3) periods of deformation as indicated by the presence of three distinct penetrative cleavage fabrics. The oldest cleavage (S1) averages a strike of 070° with subvertical to southeasterly dips. This cleavage is deflected and folded by a younger deformational event which developed an S2 cleavage that shows an average strike of 100° with subvertical to southwesterly or northeasterly dips. The S1 and S2 fabrics are interpreted to represent two deformational events that created tight isoclinal folds, with D1 probably being more intense and creating tighter folds. At the Matachewan Mine area, this folding was responsible for creating a set of recognizable interference fold patterns. To date, no conclusive proof of interference folding has been found on the Oka grid, but unexpected rapid facies changes in unexpected directions were found by the 2003 diamond drilling efforts in some localities, and a number of small restricted sedimentary basins of 400x200m in size were mapped / drill defined within the volcanic sequence. This is most likely caused by the presence of box folds. In addition, field evidence shows that some northwest trending extension is present in the central part of the grid at trench TR97-18, as indicated by a number of rotated angular pyritic cherty boudins.

The supercrustal lithologies also show a poor to moderately developed, north-northeast to northeast

trending subvertical S3 cleavage that sub-parallels the Matachewan diabase dyke swarm. This cleavage set appears to correspond to an open fold set that crenulates the Temiskaming sediment-mine volcanic contact, located at and south of the current Tie-Line-South , at an apparent periodicity and amplitude of a few 100 meters. Lack of outcrop distribution or drilling data precludes drawing the main contacts with this type of undulation, but any additional defining work should expect to see the results of this mild deformation event.

The Matachewan diabase dykes are devoid of the S1, S2 and S3 structural fabrics, being mostly massive intrusives that locally show some signs of flow banding near their contacts. This indicates that all of the significant structural deformation events pre-date the intrusion of the diabase and are older than 2,452 Ma. The main syenitic intrusions at the Young-Davidson Mine on the other hand show signs of all three cleavages (D. Rhys pers.com.) effectively giving a concurrent or lower bounding deformation age of younger than 2,684 Ma.

A minor set of felsic dykes that range from grey feldspar porphyry to pink syenite have been defined primarily in the south eastern quarter of the Oka claim group. They strike from 070° to 090° degrees with possible steep dips and appear to be associated with structures parallel mainly to S1. An S2 parallel syenite to lamprophyre intrusive band is associated with the North Zone at L10E/10N and a minor northwest trending syenite "screamer" dyke was found by Sedex in 1997, on the south shore of Otisse Lake.

About 20% of the claim group is interpreted to be underlain by diabase of the Matachewan series that strikes mainly in a 15° to 40° direction and appears to coalesce into a larger intrusive mass at tie-line north at the Powell-Cairo township line.

A number of shear zones or high strain deformation zones have been identified on the Oka property by Sedex and the 2003 current work program. Relative timing of development of these structures has not been firmly established, but, if the structures are in part related to the earliest deformation event (D1), subsequent deformation should have influenced these structures to some extent. Strike or dip variations may be encountered in attempting to further define them. Known significant structures are as follows:

Hollinger Lake Shear extension: is a possible 10 to 50 meter thick cataclastic schist, located near and sub-parallel to the Powell-Cairo township line, and was defined by mapping and drilling in 2002 on claims to the south. The structure shows a south strike and -70° west dip. This structure has not been found to outcrop on the Oka claims, but, a weak disruption of the 2003 ground magnetometer data indicates that the structure is present on the lower half of the claim group and is interpreted to be intruded by diabase in the upper segment of the land package.

North Zone Shear: is defined by exposures in the southern reaches of trenches TR97-17 and TR97-18. The structure shows a horizontal width of 10-15 meters, strikes about 065° and possibly dips southeast. On surface the deformation is developed in mafic volcanics. Diamond

drilling indicates that variable amounts of alkalic intrusives mark the north boundary of the structure. Ultramafic volcanics occur further to the north while mafic volcanics and chloritic sediments are to the south. The structure has only been defined between two bounding diabase dykes. The eastern dyke is probably filling the location of the Hollinger Lake shear. Variable amounts of gold mineralization are associated with this structure.

Pond Fault: is a narrow, 1 to <2 meter horizontal width fault zone defined by diamond drilling. It is located 25 to 50 meters south of baseline 8+75N between lines 16E and 17E. The strike is easterly and possibly north dipping. The fault separates ultramafic flows to the north from a mafic intrusive (?) to mafic volcanics to the south. The structure is locally mineralized w ith g ood g old g rades (14 Z one). P reliminary s patial int erpretation w ould indicate that the fault appears to be the easterly extension of the North Zone Shear located some 700 meters to the west. However, as the Pond Fault is on the east side of the assumed Hollinger Lake Shear, with an unknown degree of vertical and horizontal displacement, and appears to dip in the opposite direction to the North Shear, it is possible that it is a separate structure.

DH Shear: is a 10 to 15 meter wide zone of moderate to strong shearing with a superimposed set of subparallel, anastomosing fault / high strain zones developed on and marginal to a felsic intrusive dyke. This dyke appears to intrude along the contact of mafic volcanics to the north and mixed chloritic sediments to the south. The local geological contacts and the dyke appear to strike at 065° and dip steeply to the northwest. Preliminary drilling suggests that the felsic dyke is locally torn into a set of east trending lenses by the shear structure, similar in character to that seen on surface at trench TR03-04. In addition, drilling suggests that assay values may dip sub-vertically. The shear fabric is visually poorly defined in core, when the structure is hosted by sediments and may be represented by logged thinly laminated to thinly bedded sedimentary units . Gold mineralization in the 1 to 3 g/t Au range has been found within the structure.

c) Alteration

In addition to the regional greenschist facies alteration that has developed throughout the Matachewan Camp, a number of other localized alteration regimes were noted by the 2003 field work. These are:

Propylitic epidote-chlorite alteration is associated ubiquitously with the Matachewan diabase intrusives and as a restricted pyromagmatic metamorphic alteration at the contacts. Locally this alteration appears to change to a non-descript calc-silicate alteration that may range up to a few tens of meters into the surrounding wall rocks.

Propylitic epidote-chlorite-calcite-magnetite-pyrite alteration appears to be developed with anomalous and sub-ore grade gold values at the North Zone, suggesting that this mineralization may be associated with, or re-mobilized by, the diabase intrusion into the Hollinger Lake Shear.

A calcite-pyrite+/-magnetite alteration is associated with gold values at the 14 and DH zones. Moreover, variable amounts of secondary magnetite is developed in a patchwork fashion throughout the volcanic assemblage. This is similar to "Joe Zone - type" alteration found on the MCM property by Royal Oak in 1995.

Minor amounts of hematite-silica alteration were noted as being developed in the clastic sediments (Ihemsed). Usually these are found near or at the contacts with the felsic intrusives.

A number of dark grey to black chlorite stringers were noted during mapping in the central Oka volcanic assemblage. The best examples occur in Sedex trench TR97-18, immediately east of where the trench crosses Line 10E, near the so called "sulfide coffin". The black chlorite stringers are widely spaced and not well developed, having maximum lengths of a meter and widths less than a centimeter. At this locality they appear to be developed on an old joint or cleavage set that strikes to the northwest.

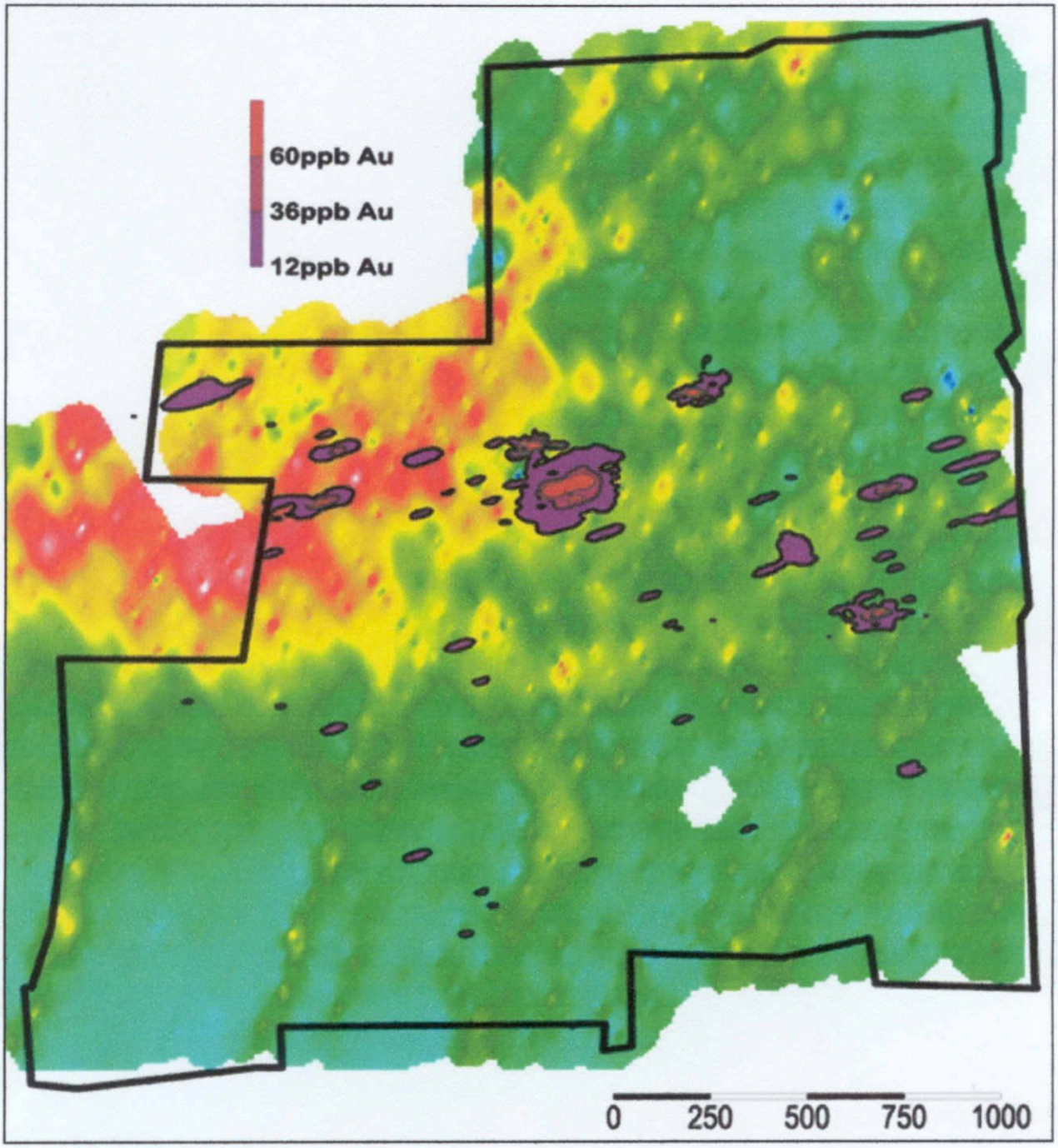

Figure 6: Identified Oka Soil Anomalies on magnetic base
(after Zalnieriunas 2004)
selected targets were followed up by prospecting,
trenching and diamond drilling in 2003

d) Mineralization

The majority of gold deposits and occurrences in the southern Abitibi are associated with structural traps related to major crustal breaks, such as the Cadillac-Larder Break (CLB) or are spatially located within or marginal to alkalic-subalkalic intrusives.

Sinclair (1980) subdivided gold mineralization in the Matachewan camp into four types: syenite hosted, volcanic hosted, porphyry copper and lode quartz vein. The majority of production for the camp has been from syenite bodies on the Young-Davidson and Matachewan Consolidated mines. A minor amount of production (1,352 oz) came from the Ryan Lake porphyry copper system of auriferous chalopyrite in quartz stockwork.

A total of six (6) gold mineralized prospects have now been defined on the Oka project, as of the end of the 2003 field season. A number of additional anomalous gold sample sites, as defined by the 2003 lithogeochemical bedrock prospecting and soil sampling surveys, still need to be verified or tested (see map in back pocket). In all six cases, gold mineralization appears to be, in part, spatially controlled by the presence of syenite and/or feldspar porphyry dykes. In some cases there is a well developed shear structure association as well. In most cases, gold values appear to be related to the degree of pyrite development. In the central volcanic terrain, the gold prospects have only been tested by trenching and shallow drilling. Mineralization is associated with calcite groundmass alteration, with or without associated magnetite. This alteration assemblage is unusual for the Matachewan Camp and may mean that only the upper leading edges of a significant mineralized zone have been tested to date. The known gold prospects consist of:

i) North Zone (L9+50E/11+50N): defined by Sedex circa 1997, is an epidote-calcite-magnetite-pyrite altered sheared mafic volcanic horizon developed on the south wall of a syenite-porphyry-lamprophyre sill/dyke complex with possible parallel gold zones (N1, N2, Todd) to the south (Keast, 1999).

ii) 14 & 14 South Zones (L16+50E/8+50N): was found by prospecting in 2003, and subsequently was trenched and drilled. Mineralization is associated with pyritic quartz-carbonate tension gash veins in a talcose fault (14 zone) developed over a thickness of a few meters, and a pyritic, well foliated mafic volcanic section some 10-15 meters thick found to the south, that is intruded in part by a felsic dyke (14 South Zone).

iii) DH Zone (L13+00E/ 6+75N): is a sheared pyritic porphyry found by prospecting in 2003, with better gold values located at or on the margins of the intrusive. The prospect occurs within an anomalous soil anomaly trend (B horizon) that appears to be parallel to the defined shear. The showing was also trenched and drilled in 2003.

iv) 6 Zone (L14+50E / 4+50N) is a pink syenite dyke with anomalous gold values at the contacts and in the northern wall rock found by soil sampling in 2003.

v) Oka Zone (L 0/ BL0+00N): is the old O'Connell/Culver prospect pit-tension quartz vein area in which Sedex drill hole SO-96-04 intersected 72.0 meters of 1.06 g/t Au (including 6.16 g/t Au/ 6.0m) in sediments, possibly proximal to a syenite body.

vi) Sutherland Showing (L10+00E/BL2+00S): is an area of weakly pyritic syenite intruding Temiskaming sediments which was developed by a series of pits by prospector H. Sutherland possibly during the mid 1930's. Lovell (1967) noted trace amounts of gold and silver associated with these pits. During 2003, the best results of grab sampling in the area were 1.17 g/t Au in sample 2002 at 10+08E/ 1+95S of loose pyritic slabs of syenite that appeared to be sourced from a pit and 0.95 g/t Au at 9+80E/1+85S.

8. 2003 Field Work

a) Field Work Parameters

The 2003 summer field work periods, controls, personnel and equipment used are summarized below in tabular format:

Field Work:	**Linecutting**
Historical Data:	none used - re-established and re-cut any pre-existing Sedex lines and completed claim coverage as needed.
Work Dates:	June 13 - July 16, 2003
Field Personnel:	Les Explorations Carat Inc., CP 1773, Val d'Or, PQ, J9P 5Y9
Location:	nominal coverage of all claims with 25 metre spaced stations on cut, chained and 25 metre picketed 100 meter spaced grid lines, baselines or tie-lines with 100 foot picketed, 200 foot spaced lines as extension lines pushed up to the south shore of Otisse Lake from 2002 MCM grid for 2,315ft (0.705km). Total work was linecutting of 49.327 km of cross lines (58.608 km total including tie lines and base lines)

Survey Type:	**Bedrock Lithogeochemical Sampling and Prospecting**
Historical Data:	none used
Work Dates:	August 20 - 29, 2003
Field Personnel:	D.R. Healey, Kirkland Lake, ON D. Vachon, Larder Lake, ON
Sample:	0.5 to 2kg fresh bedrock material as grabs / chips and occasional pit muck or boulders as noted.
Location Control:	traverses by pace and compass using topographic maps and cut 2003 grid control as needed, nominal 50 metre spaced traverses perpendicular to cut lines in selected areas as well as on cut lines; sample sites tied in by pace and compass to established cut stations and by hand held Garmin GPS.

Production:	131 samples assayed for gold by fire assay 28.7 line-km 11 man-days
Program Support:	8 days ATV, 8 days pickup truck

Work Type:	**Trenching and Stripping**
Work Dates:	September 18 to October 16, 2003
Field Personnel:	D.R. Healey, Kirkland Lake, ON D. Vachon, Larder Lake, ON M. Durand, Matachewan, ON R.V. Zalnieriunas, Larder Lake, ON - mapping only
Sample:	0.5 to 2kg fresh bedrock as grabs
Control:	trenching on flagged lines,sample control with respect to cut or flagged reference lines with 5m chained stations tied in to 2003 cut grid as per trench sketches
Production:	344 samples assayed for gold by fire assay 329 surface grab samples 15 channel samples for 16.3m physical work trenching = 830m in 10 trenches areal extent = 3,885.4m^2 49.5 man-days of supervision, washing, sampling and mapping
Program Support:	36 days ATV, 21 days pickup truck, 12 days wayjax pump & hose
Heavy Equipment:	John Deere 790 Excavator Dates: September 22-28, 2003 (7 days) Hours: 64 hr total Rate: $75/hr Operator: Ray Landry, Matachewan, ON

Survey Type:	**Geological Mapping**
Historical Data:	none
Survey Dates:	August 26 to October 26, 2003 (intermittent)
Field Personnel:	R. V. Zalnieriunas, Larder Lake, ON D. R. Healey, Kirkland Lake, ON
Location Control:	traverses on 100 meter, cut, chained and 25 metre picketed grid lines, baselines or tie-lines with traverses between lines by pace and compass and local GPS control
Production:	14 man-days 55.752 line-km (average 3.98 km/day)
Program Support:	14 days ATV and pickup truck

Work Type:	**Surface Diamond Drilling**		
Work Dates:	October 15 to December 17, 2003		
Drilling Dates:	October 16 to December 6, 2003		
Supervisor:	R.V. Zalnieriunas P.Geo.		
Field Personnel:	D.R. Healey, Kirkland Lake, ON - field technician		
	D. Vachon, Larder Lake, ON - field technician		
	L.D. Burden P.Geo, Peterbourough, ON - geologist		
	R.V. Zalnieriunas P/Geo, Larder Lake, ON - geologist QP		
Contractor:	Heath and Sherwood Drilling (1986) Inc.		
Rig type:	B-20		
Control:	Field:	2003 cut grid, chain and compass between lines and checks with handheld GarminXL GPS	
	Map Base:	electronic NAD '27 topography as per MNR	
	Declinations:	magnetic north: 11° 13' W of true north	
		NAD '27 north: 0.5°E of true north (nominal)	
		2003 Grid north: 32°W of NAD'27 north	
	Bore Hole:	Flexit SmartTool (in single shot mode only)	
Production:	Diamond Drill Holes: 34		
		3,577.05	meters (as logged & re-measured)
	Core Sampling:	2,460	assays for gold (incl. diabase QA/QC)
		11	assays for Ag, Cu, Pb, Zn, Ni)
		3,080.55	meters split and assayed for gold by FA
	QA/QC Samples:	48	RYO crushed PSEDS
	Downhole Surveys:	123	dips and 68 bearings usable
Program Support:	ATV(2), pickup truck (2) for geology		

Contract Work:	**Sample Assaying**- all samples
Analysis:	Element: gold (Au) by fire assay with geochemical instrument finish by A.A. (detection limit 2 ppb Au) with any sample reporting >1,000 ppb Au re-assayed by fire assay with gravimetric finish
Assay Size:	29.166 grams (1 assay-ton)
Sample Preparation:	dry, crush to -10 mesh, split 300 g sub-sample, pulverize to -200 mesh and send to assay (as noted above).
Laboratory:	Laboratoire Expert Inc., 127, Boulevard Industriel, Rouyn-Noranda, QC, J9X 6P2

b) 2003 Field Results

i) Lithogeochemical Sampling and Prospecting

Lithological traverses were run on the 2003 grid and at right angles to the cut lines because of poor visibility in thick black alder undergrowth. Prospecting resulted in the discovery of a number of significant new gold showings (>1.0 g/t Au) demonstrating the validity of still using this traditional method of exploration. A total of 20 samples returned gold values of more than 500 ppb. These were:

Table 3: 2003 Prosecting Results >500 ppb Gold

Line (E)	Station (N)	Sample	Au ppb	Au ppb chk	Au g/t chk	Comments
16+68.	8+26.	*2109*	**>DL.**		**14.43**	grey-beige sil. alt mafic volcanic, 5-7% py
11+95.	3+82.	*2129*	**6068**		**6.41**	bx,sil mafic volcanic with qtz stockwork, tr py
7+08.	15+12.	*2074*	**4161**		**4.18**	trench,semi-massive sulphides, 50% py
12+56.	7+50.	*2045*	**3899**		**3.70**	rusty mafic volcanic with epidote, 1% py
9+27.	6+70.	*2041*	**3643**		**3.67**	angular slabs of alt mafic volcanic, 3-4% py
16+68.	8+26.	*2110*	**3103**		**3.26**	grey-beige sil. alt mafic volcanic, 5-7% py
9+25.	6+70.	*2040*	**1828**		**1.99**	angular slabs of alt mafic volcanic, 3-4% py
16+14.	7+86.	*2107*	**1414**		**1.34**	large rusty block,appears insitu, beige sil. alt mafic volcanic?,8-10% py
10+08.	-1+95.	*2002*	**1170**		**1.20**	angular slab in OVB trench, mass. py and milky white qtz., 85% py
9+80.	-1+85.	*2010*	**946**			angular slab of rusty burgandy syenite, 5% cpy,malachite, tr py
11+95.	3+70.	*2038*	**932**	**994**		qtz-bx sil mafic volcanic, nil py
12+84.	6+87.	*2048*	**920**	**960**		O/C.,sil beige unit,felsic intrusive? or alt mafic volcanic, 1-2% py
17+88.	7+27.	*2084*	**913**			rusty pyritic mafic volcanic, 1-5% py
7+08.	15+11.	*2072*	**781**			trench,rusty mafic volcanic, 20% py
15+40.	4+81.	*2029*	**724**			light-grey sil. unit,banded in places, tr py
12+32.	7+75.	*2043*	**562**			rusty pyritic mafic volcanic, 10-15% py
12+82.	6+87.	*2049*	**550**			O/C.,sil beige unit,felsic intrusive? or alt mafic volcanic, 1-2% py
16+15.	7+85.	*2106*	**516**			large rusty block,appears insitu, beige sil. alt mafic volcanic?, 10-15% py
15+20.	7+61.	*2103*	**511**	**501**		rusty sil,alt.mafic volcanic, 3-5% py
15+42.	4+58.	*2030*	**504**			angular slabs of light-grey sil. unit, 5-6% py

In total, 131 prospecting samples were submitted for geochemical gold analysis. The mean value of returned results was 0.438 g/t Au with a standard deviation of 1.51 g/t for the entire population, indicating that the submitted prospecting samples were in fact reasonably selected as possibly being mineralized. Once anomalous outlier material of >0.150 g/t Au (as defined graphically using a histogram plot) is excluded from the data set, the mean value falls to 0.039 g/t Au with a standard error of 0.004 g/t and a standard deviation of 0.0349 g/t Au, giving an anomalous gold threshold of 0.109 g/t Au (using mean + 2 std. deviations). This value is a bit high from an expected 40 to 60 ppb Au threshold that can be expected in the area and indicates that there still is a sampling bias in the data set (as can be expected).

The following section is the daily traverse prospecting note summaries collected by prospector D.R. Healey (DRH), licence number A49500 and prospecting assistant D. Vachon (DV) licence number 22837.

Day I 20 Aug. 03 DRH, DV 3.0km
zig-zag traverse covering lake shore for o/c and checking isolated soil anomalies north of access road. Started at L00/1300N, encountered pillowed & massive mafic volcanic, tr pyrite & 1-2% fine magnetite, which would explain the ground mag high. Prospected 2 soil anomalies, one north & one east of pond; in each case there was no o/c exposure plus thick bush.

Day II 21 Aug. 03 DRH 3.0km
check soil anomaly, detail prospecting at 50m spaced grid N-S along & between lines. Started detail prospecting of soil anomaly in sediments with high 399 ppb Au value at L15E/450N, mapped rocks from L17E to 13E, mostly mafic volcanics to north and sediments to south around soil anomaly. In the area of the soil anomaly there were some angular blocks of sediments with tr-1% pyrite, moderate carbonate & non-magnetic. The only other mineralization seen that day was a gossan in mafic volcanics at L16E/475N, as mostly rusty slabs and o/c with 1-5% pyrite.

Day III 22 Aug.03 DRH 2.4km
continued detail prospecting of soil anomaly to west, 50m spaced grid N-S along & between lines, worked from mineralized sediment slabs found yesterday but encountered mostly pillowed volcanics most of the day. Located one syenite dyke and one grey porphyry on L14E. On line 13E/500N found a brecciated and fractured o/c of mafic volcanics with stringer quartz stockwork with vein sets running in all directions, possibly close to some structure? The quartz veining had nil sulphide content.

Day IV 25 Aug.03 DRH 1.3km
morning- GPS survey grid coordinates then continued detail prospecting of soil anomaly at 50m spacing N-S on & between cut lines. Finished prospecting soil anomaly in sediments from L13E to L10E. The only interesting sample was at 11+15E/330N, a pink, biotitic sediment with 1% pyrite located 50m south of soil value 36 ppb Au. Finished day by stripping off o/c at L13E/500N, mafic volcanic with stringer quartz stockwork (found yesterday), nice veining but still no suphides.

Day V 26 Aug.03 DRH 3.0km
detailed prospecting of 1997 long soil anomaly found at 9E/675N to 19E/725N at 50m spacing between & on cut lines. Prospected from L8E to L13E. Started day with old trenches at 925E/670N, some well mineralized angular boulders and possible o/c, strong altered sediment or volcanic?, strong carbonate, silicification, 1-5% pyrite. Not much o/c until the end of day, between L12E & 13E around 800N found pyritic mafic volcanics with strong iron, 5-10% py in places. Also at 1284E/687N a small well mineralized outcrop of altered, silicified beige rock (poss. porphyry?) with 1-2% finely disseminated pyrite.

Day VI 27 Aug.03 DRH 3.3km
continued detail prospecting of main soil anomaly trend to east at 50m spacing on & between cut lines. Prospected from 13E to 18E, encountered old trenches at 1520E/761N of altered mafic volcanic with 2-4% pyrite and nil to weak carbonate. Further east found angular boulders at 1615E/785N of altered mafic volcanic / porphyry with weak carbonate, 5-10% pyrite. Further east at end of day found angular boulders & o/c on edge of rise at 1668E/826N of mafic volcanic, grey-beige, silicified, 5-7% pyrite, 1-2% magnetite, weak-moderate carbonate.

Day VII 28 Aug.03 DRH 4.5km, DV 4.2km
DRH prospected north boundary, DV checked 2 soil anomalies at 50m traverses on & between cut lines. DRH- walked boundary, NW corner & N boundary of claim 1199663. West boundary of claim 1199663 is height of land & also large mass of gabbro/diabase, walking north boundary 3 o/c's of diabase were located at line ends 20,21 & 22E. Once finished with boundary, came down L25E & prospected TL1700N to the west & found diabase and mafic volcanics. The only interesting o/c seen was at L15E/1770N of rusty mudstones with 2-10% disseminated pyrite & pyrrhotite. DV- soil prospecting: a) 25 ppb Au on TL875N/500E encountered pyritic mafic volcanics, diabase & on L7E/450N found one o/c of a chert-like unit; b) prospecting west of main soil anomaly in area of no soil anomalies found no o/c in an area of flat ground & mixed forest.

Day VIII 29 Aug.03 DRH, DV 4.0km
DRH- morning taking GPS grid coordinates, DRH & DV- work south boundary of Oka on 50m spaced traverses between & on cut lines. Encountered numerous old trenches, with a couple of old trenches having 1-2% pyrite to semi-massive pyrite. At L10E/193N found syenite in outcrop but also angular boulders in bank with trace to 50% py and tr-3% cp. At one other location found another old trench, possibly o/c of brecciated & silicified mafic volcanic? with fine disseminated pyrite. Other than those two trenches the rock showed only trace - nil pyrite.

ii) Trenching and Stripping

Sampling results of the 2003 trenches are provided in tabular form in Appendix IV at the back of this report. A summary of geological observations and objectives of each trench are described below as well as on plan in maps located in the back pocket.

TR-03-01: 70m long, 361m^2, followed up anomalous bedrock prospecting samples of large angular slabs of altered mafic volcanics which had returned values of 1.34 and 0.516 g/t Au. The trench revealed a 4m wide 280° trending and 80°N dipping fault/shear structure of biotitic and possibly lamprophyric material at the extreme northly tip of exposure. A 10m wide tremolitic, weakly sheared to massive mafic to ultramafic intrusive body is located at the south wall of the structure. The balance of the trench exposed massive to sheared mafic volcanics that show pyrite mineralization associated with a northeast trending schistosity fabric and minor amounts of intrusive lamprophyre. Some sub-economic gold values were returned from this portion of the trench.

TR-03-02: 48m long, 133m^2, located 50 meters east of TR-03-01 trench, followed up a 14.43 g/t Au surface prospecting sample located at the north edge of a small hill. The north tip of the trench consists of an altered mafic to ultramafic volcanic that returned a best assay spot value of 24.72 (24.82 check) g/t Au. The area shows minor lamprophyre stringers and is bound to the south by a 170° trending, 25°W dipping schist or fault structure. The balance of the trench consists of massive and sheared pyritic mafic volcanics that returned erratic sub-economic gold values.

TR-03-03: 44m long, 175m^2, located 50 meters east of TR-03-02 was completed to check for an easterly extension of mineralization found in the previous trenches. The work exposed a well foliated to sheared mafic to ultramafic volcanic sequence intruded by minor lamprophyre stringers and a chilled, north trending <2m wide diabase dyke that has a chloritic rubble core. No significant gold values were found in this trench.

TR-03-04: 176m long, 952m^2, followed up anomalous prospecting grab samples (3.7 g/t Au in mafic volcanics and 920 & 550 ppb Au in a mineralized porphyry). The prospected showing was cross trenched in two perpendicular directions and revealed an 11m wide shear zone developed on a felsic intrusive sill (felsite-grey feldspar+/-quartz porphyry-syenite) that is at least 5m thick found on the contact with chloritic arkose and pebble conglomerate to the south and mafic volcanics to the north. Grab sampling of the shear structure returned elevated gold values in the 1 g/t to 4 g/t range.

TR-03-05: 158m long, 649m^2, followed up anomalous grab values sampled in old trenches (1.9 & 3.67 g/t Au) and tested for a north trending structure. Cross trenching the area exposed variously fractured sediments, mainly arkosic in nature with variable degrees of patchy carbonate alteration and no significant gold values.

TR-03-06: 91m long, 369m^2, attempted to locate a bedrock source for anomalous prospecting grab samples (724 & 504 ppb Au in boulders) and a soil anomaly of 399 ppb Au located 74 meters to the west. Trenching exposed a disrupted band of sediments (wackes and conglomerates) intruded by minor amounts of lamprophyre and a pink syenite dyke, 7m in width at the south end of the workings. Syenite exposures were also revealed along the south access road leading to the west.

TR-03-07: 67m long, 333m^2, examined a quartz stringered mafic volcanic outcrop in order

to define structural orientation. There was no anomalous geochemical response from this area, either by soil sampling or by lithogeochemical bedrock sampling. The trench exposed mafic pillowed and massive volcanics with a minor band of arkose found in the southern limits in contact with a syenite intrusive. The quartz stockwork overall appears to trend in a grid north direction and dip to the west. Internally it consists of pale grey dry quartz threads, filaments and stringers primarily striking 348° and 245° with no significant gold values.

TR-03-08: 78m long, 357m^2, stripped an area to explain a 36 ppb Au soil anomaly. The area exposed massive and pillowed mafic volcanics intruded by a 8m wide grey feldspar porphyry, minor quartz veins and no significant gold values.

TR-03-09: 60m long, 377m^2, examined a surface located gossan zone that prospecting had shown to have some weak elevated background gold values with no significant soil response. A whale backed outcrop was washed. The best gossan development appears to be associated with a minor breccia / hyalotuff bed along the southern wall of the washed area. A minor segment of barren conglomerate was exposed at the northwest corner of the exposure while a minor lamprophyre sill was found at the east tip.

TR-03-10: 38m long, 180m^2, tested for an easterly extension of a soil anomaly to the west of TR-03-06 in an area of lithogeochemically elevated bedrock values of 294 and 241 ppb Au and no related soil response. The trench exposed primarily greywackes intruded by a minor chilled mafic dyke or diabase 1 to 0.5m thick.

Channel samples of TR-97-19: a total of 15 channel samples totalling 16.3 meters in length were completed on an old trench area in the central part of the grid (L8E/610N) to test the walls of a narrow grey feldspar porphyry dyke. The samples returned elevated gold values. Best results were 2.23 g/t Au /1.0m in the intrusive and 1.99 g/t /1.1m and 2.13 g/t Au / 1.4m from the immediate southern wall.

In total, 49 significant (ie >1.0 g/t Au) grab samples were collected from the 2003 trenches and are provided in Table 4.

Table 4: Significant 2003 Trenching Results >1 g/t Gold

Trench	Line (E)	Station (N)	Sample	Au g/t	Comments (py%, description)
TR-03-01	16+15.	8+40.	2182	**3.50**	tr, beige sil.-chl mafic volcanic
TR-03-01	16+18.	7+92.	2162	**2.06**	4-5%, rusty sil. porp.?
TR-03-01	16+19.	7+95.	2165	**2.06**	2-3%, alt. mafic volcanic
TR-03-01	16+18.	7+93.	2163	**1.99**	8-10%, pink-beige porp.?
TR-03-01	16+18.	7+94.	2164	**1.51**	7-8%, rusty sil. beige porp.?
TR-03-01	16+13.	7+89.	2156	**1.37**	1-3%, rotted-sil mafic volcanic
TR-03-01	16+12.	8+32.	2175	**1.03**	<1%, alt. sil. mafic volcanic
TR-03-02	16+66.	8+21.	2184	**24.72**	3-4%, alt. mafic volcanic
TR-03-02	16+68.	7+91.	2206	**3.33**	3-5%, beige alt. mafic volcanic
TR-03-02	16+68.	8+15.	2193	**2.06**	1-2%, well fol. mafic volcanic
TR-03-02	16+69.	8+21.	2186	**1.89**	1-2%, alt. mafic volcanic,tiny qtz veinlets
TR-03-02	16+66.	7+88.	2209	**1.82**	5-7%, rusty green-pink alt. mafic volcanic
TR-03-02	16+69.	8+16.	2192	**1.17**	<1%, chl. mafic volcanic
TR-03-02	16+68.	8+14.	2194	**1.10**	tr-3%, well fol. mafic volcanic
TR-03-02	16+69.	7+89.	2208	**1.10**	2-4%, rusty green-pink alt. mafic volcanic
TR-03-02	16+68.	7+99.	2198	**1.06**	1-2%, sheared sil. mafic volcanic
TR-03-04	12+90.	6+90.	2257	**4.80**	3-4%, fault zone,alt grey porphyry
TR-03-04	12+85.	6+89.	2245	**4.35**	5-7%, fault zone,alt. porphyry?
TR-03-04	13+00.	6+93.	2264	**3.91**	2-3%, sheared grey porphyry
TR-03-04	13+05.	6+88.	2268	**3.19**	5-6%, red porphyry (syenite?)
TR-03-04	12+54.	7+54.	2300	**2.67**	8-10%, rusty mafic volcanic
TR-03-04	12+87.	6+82.	2250	**2.57**	3-4%, rusty sil. alt. mafic volcanic?
TR-03-04	13+01.	6+92.	2265	**2.57**	5-6%, sheared grey porphyry
TR-03-04	12+88.	6+84.	2252	**2.40**	2-3%, alt. rusty sediment?
TR-03-04	13+03.	6+92.	2267	**2.40**	8-10%, red porphyry (syenite?)
TR-03-04	13+07.	6+90.	2278	**2.26**	5-7%, fault zone,alt grey porphyry
TR-03-04	12+95.	6+90.	2260	**2.06**	2-3%, fault zone,alt grey porphyry
TR-03-04	13+01.	6+90.	2266	**2.06**	5-6%, fault zone,grey porphyry
TR-03-04	13+05.	6+91.	2270	**1.92**	5-6%, fault zone,alt grey porphyry
TR-03-04	12+95.	6+93.	2259	**1.75**	1-2%, sheared mafic volcanic?
TR-03-04	13+07.	6+96.	2276	**1.51**	2-3%, rusty grey porphyry
TR-03-04	13+08.	6+89.	2277	**1.47**	4-5%, beige porphyry
TR-03-04	13+10.	6+92.	2279	**1.34**	3-4%, sil alt. mafic volcanic
TR-03-04	12+90.	6+92.	2258	**1.27**	tr-2%, sil mafic volcanic?
TR-03-04	12+84.	6+82.	2241	**1.13**	3-4%, sil. alt. mafic volcanic
TR-03-04	12+85.	6+84.	2249	**1.10**	1-2%, beige alt. porphyry
TR-03-04	12+87.	6+82.	2251	**1.10**	2-3%, alt. bleached sediment?
TR-03-04	12+90.	6+88.	2256	**1.10**	5-7%, fault zone,alt grey porphyry
TR-03-04	12+95.	6+90.	2261	**1.10**	5-6%, fault zone,alt grey porphyry
TR-03-04	13+05.	6+88.	2269	**1.10**	4-5%, red porphyry (syenite?)
TR-03-04	13+05.	6+92.	2273	**1.10**	1-2%, sil. sheared mafic volcanic
TR-03-04	12+85.	6+85.	2248	**1.03**	<1%, beige alt. porphyry
TR-03-04	12+90.	6+85.	2254	**1.03**	2-3%, alt. beige porphyry
TR-03-05	9+33.	6+65.	2324	**1.47**	3-5%, sil. alt. zone,sediment?
TR-03-05	9+36.	6+65.	2329	**1.34**	5-6%, sil. alt. zone,sediment?
TR-97-19	8+15.	6+10.	2477	**2.23**	<1%, 1.1m channel,grey porphyry
TR-97-19	8+15.	6+10.	2476	**2.13**	1-3%, 1.4m channel,sil. mafic volcanic
TR-97-19	8+15.	6+10.	2472	**1.99**	1-2%, 1.1m channel,sil. mafic volcanic
TR-97-19	8+15.	6+10.	2481	**1.06**	0.01, 1.0m channel,mafic volcanic

All assay values and sample descriptions for the trenching program are available in the relevant appendices attached. Of the 334 samples submitted for gold fire assay, the entire sample population has a range of <0.002 g/t to 24.72 g/t gold. The mean value is 0.481 g/t and a standard deviation of 1.521 g/t Au, giving an anomalous threshold value of 3.52 g/t Au (X+2Std.Dev.). An examination of the cumulative histogram curve indicates the presence of multiple gold populations.

If gold outlier values of >0.160 g/t Au are excluded; the 203 unmineralized to weakly mineralized population samples return a mean value of 0.029 g/t Au with a standard deviation of 0.031g/t and an indicated anomalous threshold (X+2 Std.Dev.) of 0.091 g/t Au +/-0.004 g/t Au at the 95% confidence level.

The rational of why some of the 2003 trenches were established are:

Soil Anomaly 6 / TR03-06 Area: This area returned the highest soil value of the 2003 survey of 399 ppb Au at L15E/475N. The target area measures some 200m x 100m in extent and contains B-horizon soil values in the 15 to 41 ppb range. Three days were spent prospecting the area this year and failed to find any mineralized bedrock. However, some angular blocks of silicified greywacke carried values of 724 and 504 ppb Au at L15+50E/470N. This was regarded as a potential stripping area to search for a mineralized bedrock source.

Elevated Soil Anomaly Trend "B": is an elevated gold soil response, one kilometer long, located immediately south and subparallel to baseline 8+75N, from 6-70N to 8+25N between lines 9+00E and 19+00E, primarily in Cairo Township. Two days were spent prospecting this trend in 2003 and resulted in the discovery of surface values ranging from 1 g/t to 14.4 g/t gold. Three target areas were identified and followed up by surface trenching. Target 1 (TR03-05) located at 925E/670N returned values of 1.9 and 3.67 g/t Au from an area of old trenches. The new trenching indicates that the area is underlain by weakly sheared arkosic sediments. Target 2 (TR03-04 & new "DH" zone) was located in the vicinity of L1300E, based on angular blocks of pyritic mafic volcanics found at 1265E/750N that had returned a value of 3.7 g/t Au and at 1283E/687N in which a small outcrop of pyritic beige porphyry had returned values of 920 ppb and 550 ppb gold. Although porphyry gold values were low, the outcrop was extremely hard, well rounded and difficult to sample. It was decided that these two sample locations form a line on which to put down a long trench. Target 3 (TR03-01 to 03, 14, 14South zones) was located at L16E and L17E from 775N to 850N on two areas of prime interest. At 1615E/786N, a few angular slabs of strongly altered mafic volcanics had returned values of 1.34 and 0.516 g/t gold. At 1668E/826N a value of 14.43 and 3.26 g/t gold had also been obtained from a strongly altered mafic volcanic showing weak carbonate alteration and 5% to 7% pyrite. Two trenches were proposed along reference lines 1615E and 1668E. A third trench was subsequently put down along reference line 1715E looking for mineralized extensions of TR03-01 and 02.

iii) Geological Mapping

Geological mapping was carried out on an intermittent basis during the late summer and early fall. Observations and interpretations of this survey are covered in the report section dealing with Local Geology. (see also 2003 Geology map in Back Pocket).

iv) Surface Diamond Drilling

The 2003 surface diamond drilling campaign on the Oka property primarily concentrated on testing two new gold prospects as defined by trenches TR03-01 to 02 and TR03-04. In addition, drilling continued testing mineralization defined by Sedex in the North Zone area, while some minor work was also carried out in the TR03-06 trench area.

In all, 34 surface diamond drill holes were completed by Heath & Sherwood Drilling (1986) Inc. for a total of 3,577.05 meters of BQ-sized core during the period of October to December, 2003. All core was logged and split in a core shack trailer located on the Matachewan Consolidated mine site, near the No.3 Shaft. The core is currently stored at this location, as cross piles on timber skids.

Prior to logging, all drill core was re-measured to confirm the location of driller provided meter blocks. Sampling was carried out on a nominal 1.5 meter sample interval, with shorter samples taken as dictated by geological contacts, structure, alteration or mineralization.

Drill logging was carried out using a hand held Dell Axim X5 PDA running MS Pocket PC 2002 and Surpac LogMate (ver. 3.0.3) software. Data export to plotting and drill log routines was subsequently carried out using an MS-Excel format.

All diamond drill hole collars have been chained to tie into the current surface grid. The plotted surface grid lines were originally drafted by Meegwich Consultants Inc. and established during the initial ground magnetometer surveys (see Larond 1997 and 2003). These grid lines are tied into an electronic NAD'27 topographic base as provided by a private data resaler of Ontario MNR maps. Drill collar elevations are estimates from available 20 meter elevation contours of this base map at a mean distance above sea level. The ideal computer grid to which this drilling is tied into has a local origin located at BL0+00, Line 0+00, with easting oriented parallel to BL0+00 at a nominal strike of 062°NAD'27 and northings at 332°NAD'27. The ideal drilling grid origin has a location of 524855.5mE, 5310859.5mN, Zone 17 in NAD'27 coordinates. All drill collars have been rectified to this ideal drilling grid and are reported in Table 5 (below). The NAD'27 grid is assumed to have a declination of 0.5°E of true north. This and a magnetic north declination of 11°13'W have been applied to the drill holes to correct bearings to the ideal drilling grid.

Table 5: 2003 Diamond Drill Collars

Hole No.	EASTINGS (m) *	NORTHINGS (m) *	ELEVATION (m)	DIP (deg.)	GRID BEARING	FINAL DEPTH (m)
OK03-01	1287.00	674.30	355.00	-45.0	360.0	80.00
OK03-02	1274.70	673.70	355.00	-45.0	360.0	30.00
OK03-03	1300.00	674.00	355.00	-45.0	360.0	32.00
OK03-04	1312.75	674.40	355.00	-45.0	360.0	32.00
OK03-05	1325.25	675.90	355.00	-45.0	360.0	50.00
OK03-06	1336.75	674.50	355.00	-45.0	360.0	52.00
OK03-07	1262.20	673.80	355.00	-45.0	360.0	82.62
OK03-08	1225.20	650.10	355.00	-45.0	360.0	101.00
OK03-09	1249.70	649.60	355.00	-45.0	360.0	101.00
OK03-10	1243.30	737.10	356.00	-45.0	360.0	38.00
OK03-11	1621.50	820.00	350.00	-38.0	360.0	81.00
OK03-12	1621.50	818.10	350.00	-38.0	180.0	80.00
OK03-13	1641.50	812.00	350.00	-45.0	360.0	66.00
OK03-14	1668.00	812.00	351.00	-38.0	360.0	81.00
OK03-15	1668.00	808.50	351.00	-45.0	180.0	80.00
OK03-16	1700.00	849.70	351.00	-45.0	180.0	102.00
OK03-17	1650.00	865.10	349.00	-45.0	180.0	126.66
OK03-18	1600.00	875.00	349.00	-45.0	180.0	142.00
OK03-19	1550.00	575.00	347.00	-45.0	180.0	145.00
OK03-20	1503.90	475.00	346.00	-45.0	179.0	73.00
OK03-21	1422.80	536.50	351.00	-45.0	176.0	140.00
OK03-22	1404.42	808.00	348.00	-45.0	176.0	155.05
OK03-23	1398.94	884.00	346.00	-45.0	355.0	151.00
OK03-24	720.60	1135.70	372.00	-45.0	16.0	230.00
OK03-25	702.10	1090.40	369.00	-55.0	18.0	263.00
OK03-26	919.50	1113.60	360.00	-45.0	18.0	91.00
OK03-27	1275.40	734.10	355.00	-45.0	180.0	122.00
OK03-28	1275.00	734.10	355.00	-45.0	360.0	50.00
OK03-29	1300.00	738.80	355.00	-45.0	180.0	118.72
OK03-30	1325.80	747.20	355.00	-45.0	180.0	121.00
OK03-31	1380.80	770.30	355.00	-45.0	180.0	158.00
OK03-32	1456.90	774.00	355.00	-45.0	180.0	161.00
OK03-33	873.20	639.00	363.00	-45.0	210.0	101.00
OK03-34	857.50	1075.00	362.00	-45.0	360.0	140.00
34	DDH's				TOTAL =	3577.05 m

*NOTE: * ideal drilling grid coordinates*

Weighted average gold intersections have been computed for all available drill holes on the Oka project. This study used a 1.0 g/t Au cutoff wall, with a possible carried internal dilution of up to 2.0 meters core length. Results of this computation are presented in Appendix V. Most of the gold mineralization found in 2003 appears to be associated with S1 oriented subvertical structures. The horizontal widths reported with the above mentioned grade composits, would, in that case, equate to estimated true widths. A structural strike orientation of 078°grid (046°true) and 90°dip has been assumed.

The following discussion of 2003 drilling results summarizes the geological observations and interpretations that have been made after sectional review of the 2003 results, on a per zone basis.

North Zone Area

Drill hole OK03-26 (section 950 to 925E) is an off section hole put down to test the up dip potential of the North Zone, perpendicular to the assumed strike of a poly-phased porphyry-lamprophyre dyke complex that appears to mark the northern limits of the zone. The hole intersected 4.58 g/t Au / 4.50m core length from 11.0 to 15.5m downhole (N2 subzone) and 1.17 g/t Au /1.5m core length at 34m downhole (N1 subzone) before entering the dyke complex.

Drill hole OK03-34 (section 850E) tested the west extension of the Todd Zone. This hole intersected a minor 1.63m wide band of massive sulfides from 12.45 to 14.08m downhole at a sediment-volcanic contact. Apparent core angles are shallow at 27°, indicating that the sulfides are probably flat lying. The sulfides are haloed by a dark green chlorite alteration zone and associated gold mineralization of 4.32 g/t Au /0.67m to the south and 1.37 g/t Au /1.25m to the north. An intersection of 5.90 g/t Au /1.50m at 41.0 to 42.5m downhole may represent the Todd Zone. Intersections of 5.45 g/t /1.50m and 3.97 g/t /6.0m between 68.0 to 81.5m downhole may represent the N2 subzone.

Drill holes Ok03-24 and 25 (sections 725E to 775E) were put down in a north bearing fashion to test for mineralization west of a diabase dyke. This dyke may fill a north striking fault. This drilling returned results similar to that shown by hole S)98-16. Best results were returned by hole OK03-25 of 7.99g/t / 1.50m from 163.0 to 164.5m downhole, labled as H2 subzone. This may be the extension of N2 zone.

6 Zone Area

Hole OK03-19 (section 1550E) tested a sediment hosted gossan zone found in trench TR03-06. No significant mineralization was found, and the hole was too short to test the syenite dyke seen at the south tip of the trench.

Hole OK03-20 (section 1500E) was a geological test of a syenite outcrop found on surface. 1.89 g/t Au / 1.54m from 58.0 to 59.54m downhole was returned near the contact of this intrusive in clastic sediments. Most of the hole passed through conglomerates and greywackes before reaching the targeted syenite body.

Hole OK03-21 (section 1425E) was a 75m west step-out to hole OK03-20. The hole passed through mafic tuffs before intersecting the target syenite dyke, indicating a rapid facies change from sediments found in the previous hole to the east. Six (6) anomalous gold zones were identified in the volcanics and at the syenite contacts. The best gold intersections were 2.35g/t Au / 4.0m from 2.0 to 6.0m downhole and 2.24 g/t Au / 1.8m from 114.89 to 116.69m downhole.

14 Zone and 14 South Zone Area

A 100 meter strike length of mineralization found in trenches TR03-01 to 03 was tested in

2003 between sections 1600E to 1700E with drill hole OK03-11 to OK03-18 (inclusive). The primary target area was the faulted contact between northern ultramafic volcanics and southern mafic volcanics. This structure is referred to as the "Pond Fault". In the western half of the drilling area, an amphibolitic rock unit bearing minor gold values was noted at the contact and logged as a sediment. This appears to be the chilled mafic to ultramafic massive unit that was noted during surface examinations, probably showing signs of shearing. The drilled target area is separated into east and west fault blocks as defined by an un-named talcose, north trending and west dipping fault or schist structure found in trench TR03-02. Displacement on this structure is unknown.

Gold mineralization found on the mafic-ultramafic volcanic contact ranges in thickness from less than 2m to 7m in true width. This is called the 14 Zone. Mineralization, on surface and through the shallow drill cuts completed to date, appears to be intimately associated with the Pond Fault. Some of the better gold intersections have ranged from 3.27 g/t Au /3.74m in hole OK03-11 at 27.76 to 31.50m downhole to 11.75 g/t Au /1.68m in hole OK03-13 from 26.0 to 27.68m downhole to 2.06 g/t Au / 7.5m in OK03-18 from 42.42 to 49.92m downhole.

The 14 South Zone occurs about 40 meters south of the 14 Zone. It is a disseminated pyritic zone hosted predominately by weakly to moderately sheared mafic volcanics. The 14 South Zone is currently assumed to dip subvertically and, as a first approximation, strikes grid easterly in association with an S1 parting cleavage. The structure may be influenced by D2 and D3 events, as both S2 and S3 fabrics are evident on surface in areas of mineralization. Best drilling results to date on the 14 South Zone were 7.92 g/t Au /3.5m from 13.5 to 17.0m downhole and 1.35 g/t Au /4.7m from 19.5 to 24.2m downhole in hole OK03-15.

Both 14 and 14 South zones are open in all strike directions and to depth.

TR03-04 Central Gossan Target

Two short drill holes (OK03-10 and 28) have attempted to test an auriferous gossan zone found by this trench at about 7+60N on sections 1250E and 1275E. The target area is hosted by a fine grained, fractured and crackle textured mafic volcanic, showing variable amounts of fine pyrite stringer threads. The target was dyked out by diabase on section 1250E and no economic mineralization was returned by hole OK03-28.

DH Zone

The DH Zone has been exposed on surface in the southern third of the TR03-04 trench. The structure was examined over a strike length of 225 meters by surface diamond drilling in 2003 from sections 1225E to 1450E by drill holes OK03-01 to 09, 27 and 29 to 32. Initial drilling was carried out on 12.5 meter sections. Gold mineralization at shallow depths has been traced for 150 meters from section 1225E to section 1375E. The zone on surface is open to the west and to depth in all directions. Gold mineralization appears to correspond to an east-northeast striking subvertical shear zone that overprints and disrupts a porphyry dyke at a mafic volcanic - sediment contact. The dyke and volcanic-sediment contact appear to strike at a 10° angle to the shear and dip at 70° to 80° to the northwest. The assumed plunge direction of the shear and porphyry dyke intersection lineation is -70° to grid west. The DH Zone has been

traced to the east boundary of a minor diabase dyke that strikes to the north-northeast.

Better gold grades appear to develop on either margin of the porphyry body, with intervening lower grade results in between. Some of the better gold intersections to date are 2.52 g/t Au / 12.5m in hole OK03-01 at 13.5 to 26.0m downhole and 3.23 g/t Au /10.16m in hole OK03-27 from 56.5 to 66.66m downhole.

An intersection of 5.62 g/t Au /1.5m was returned from hole OK03-08 from 8.0 to 9.5m downhole in clastic sediments, about 27 meters south of the DH Zone. This may be developed with further drilling into a new zone.

9. Discussion and Recommendations

The 2003 season of exploration on the Oka grid was successful in locating new areas of gold mineralization by following up and concentrating on anomalous gold soil results (as reported by Zalnieriunas 2004) found in "B-horizon" soils. The bedrock prospecting sampling located 20 anomalous (>500 ppb Au) gold responses. Some of these areas were subsequently tested successfully by trenching and later by diamond drilling. The fall 2003 drilling campaign concentrated on testing the TR03-02 and TR03-04 areas, t he S edex North Zone and some other selected targets (see Zalnieriunas and Burden 2004).

A statistical review of the bedrock and trenching results indicates that the fire assay results for both prospecting and trench sampling programs are highly biassed in anomalous data that disrupts the histogrom plot from showing a logarithmic normal distribution. The mean gold values returned were 0.438 g/t Au by prospecting and 0.481 g/t Au by trench sampling. This indicates that the 2003 field crew was successful in visually recognizing and sampling gold mineralized material.

The following discussion and recommendations pertain to areas that still warrant additional work and have not been adequately drill tested to date. A detailed recommendation for follow-up diamond drilling on the new discovered DH and 14 zones is covered by a separate budget and memorandum.

Test 1997 semi-massive sulfide showing: This area (7+08E/15+12N) received some minor stripping after some angular boulders of semi-massive sulphide were found in 1997. Assay results for this work could not be located, or possibly none were taken in 1997. This summer, six (6) samples were collected and returned values of 4.18 g/t Au, 781 ppb, 464 ppb, 375 ppb, 79 ppb and 50 ppb gold. Since the area has already been physically worked, a short diamond drill hole is recommended to test the alteration and geological setting of this occurrence.

Rock Island: A prominent small island rock knoll, located (11+95E/3+75N) in a beaver dammed small lake, was given this name after prospecting revealed that the west shore of this exposure contains a moderate quartz vein stockwork similar to that found on L13+00E at TR03-07. Access to the island is treacherous and necessitates crossing a beaver dam and floating bog. The island consists of fractured and brecciated mafic volcanics sealed by white quartz stringers, threads and silica flooding with nil to trace pyrite. Sampling returned values ranging from 6.41g/t gold to 993 ppb to 3 ppb gold. Because of the location, drill testing this

showing is the optimal method of investigating the mineralized potential here.

South Syenite Dyke: During the course of the 2003 soil sampling, some old trenches were located at L10+00E/1+95S. This is probably the location of MNDM's MDI H. Sutherland occurrence. At this location a syenite dyke was found in outcrop. Angular blocks of old blasted(?) trench muck, consisting of syenite hosting semi-massive pyrite, with 1-3% disseminated pyrite and trace malachite, occur at the sides of these caved and covered trenches. Three out of ten grab samples from the area were anomalous in gold (359 ppb, 946 ppb and 1.2 g/t). Access to the area is difficult for heavy equipment. An IP survey may be used to screen the area effectively, but, since the showing is ground located, a series of short drill holes are recommended to test this location.

Soil Anomaly Trend "A": The best responses of this anomalous soil trend are located at L300E/1950N and L500E/1550N. Both soil anomalies were prospected in 2003 and could not be explained due to overburden conditions and thick bush. Based on the 2003 success, both geochemical targets should be ground tested by diamond drilling after due consideration of the known geology and ground magnetometer results.

Continued detailed prospecting is also recommended. The principal target horizon would be the northern volcanic-sediment contact, in search of felsic intrusives. Geology suggests that this horizon may be the folded equivalent of the mineralized horizon that hosts the DH and 14 zones. A felsite to quartz-feldspar porphyry was mapped at the south end of L2100E, at the Montreal River. The area is 50% poorly drained and consequently not adequately screened by the current soil sampling survey. A well defined soil anomaly has been found at L1400E/1375N, with an apparent short strike length, marginal to diabase. Prospecting this anomaly may upgrade it to a drill target. Four days of prospecting is recommended. In addition, one more day of prospecting soil responses south of TL8+75N, between L18E and the Montreal River is recommended. The area may represent the easterly strike extension of the 14 Zone.

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Appendix I
Lithogeochemical Sampling and Prospecting Notes

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2003 Oka Prospecting

Line (E)	Station (N)	Sample	Au ppb	Au ppb chk	Au g/t chk	Cert.No.	Mag	Carb	%qtz	%py	Comments
1008	-195	2001	335	359		447	non	wk	7%	1%	angular slab burgandy syenite in OVB trench,1%cpy,malachite
1008	-195	2002	**1170**		**1.20**	447	non	nil	10%	85%	angular slab in OVB trench,mass. py and milky white qtz.
1000	-193	2003	12			447	non	wk	5%	tr	OC.,burgandy syenite with qtz veinlets
1000	-193	2004	12			447	non	nil	10%	tr	OC.,burgandy syenite with qtz veinlets
998	-193	2005	9			447	non	nil	10%	tr	OC.,or muck,burgandy syenite
998	-193	2006	120			447	non	nil	20%	tr	OC.or muck burgandy syenite
985	-185	2007	29			447	non	wk	35%	<1%	angular slab,burgangy syenite 2-3% cpy,malachite
985	-185	2008	65			447	non	wk-mod	20%	5-7%	angular slab red syenite,qtz veinlets,1-2% tour
985	-185	2009	15			447	non	nil	30%	tr	angular slab red syenite
980	-185	2010	946			447	non	mod	5%	<1%	angular slab of rusty burgandy syenite,5%cpy,malachite
222	1362	2011	24	23		529	str	wk-mod	5%	<1%	mafic volcanic,pillows
402	1562	2012	93			529	str	wk-mod	nil	1-2%	weakly alt. mafic volcanic
400	1561	2013	71			529	str	wk	nil	1%	weakly alt. mafic volcanic
240	1825	2014	55			529	non	nil	nil	tr	sil light grey unit
240	1825	2015	33			529	non	nil	nil	tr	chloritised mafic volcanic?
240	1822	2016	60			529	str	wk-mod	nil	2%	alt mafic volcanic
1600	445	2017	91			529	non	wk	3%	1-3%	light grey-green chert-like host
1592	335	2018	100			529	non	wk	nil	1%	mafic volcanic
1704	373	2019	294			529	non	wk	nil	3-5%	angular slab,rusty sil.,banded unit
1704	373	2020	241			529	non	wk	nil	2-4%	angular slab,rusty sil.,banded unit
1700	435	2021	124			529	mod	nil	nil	1-2%	mafic volcanic
1650	465	2022	41			529	non	wk	2%	1-2%	mafic volcanic,wk fe
1595	555	2023	12	9		529	non	nil	nil	2-3%	rusty slabs mafic volcanic by OC.
1590	550	2024	220			529	non	mod	nil	1-3%	sil. mafic volcanic
1612	532	2025	58	56		530	non	nil	nil	1-2%	rusty mafic volcanic
1525	450	2026	40			530	non	wk-mod	nil	2-3%	rusty slabs,light-grey sil. unit
1484	375	2027	<2			530	non	wk	2%	<1%	pillowed mafic volcanic,minor qtz sweats
1542	478	2028	79			530	non	wk	nil	<1%	light-grey sil. unit,banded in places
1540	481	2029	724			530	non	wk-mod	nil	<1%	light-grey sil. unit,banded in places
1542	458	2030	504			530	non	wk	nil	5-6%	angular slabsof light-grey sil. unit
1420	490	2031	225			530	wk	nil	nil	1-2%	mafic volcanic,wk fe.
1403	345	2032	40			530	non	nil	nil	<1%	mass feldspar porphyry,tr cpy
1280	327	2033	5			530	non	nil	85%	nil	qtz-bx mafic volcanic
1280	335	2034	<2			530	non	nil	25%	nil	qtz-bx mafic volcanic
1302	515	2035	12			530	non	nil	40%	nil	bx,sil mafic volcanic with qtz vein stockwork
1306	515	2036	<2			530	non	nil	60%	tr	bx,sil mafic volcanic with qtz vein stockwork
1320	495	2037	5			530	non	wk-mod	1%	1%	sil mafic volcanic
1195	370	2038	932	994		531	non	nil	85%	nil	qtz-bx sil mafic volcanic

2003 Oka Prospecting

Line (E)	Station (N)	Sample	Au ppb	Au ppb chk	Au g/t chk	Cert.No.	Mag	Carb	%qtz	%py	Comments
1115	350	2039	38			531	wk-mod	wk-mod	nil	<1%	pink-grey sil,bio sed?,<1%spec-hm
925	670	2040	**1828**		**1.99**	531	str	wk-mod	2%	3-4%	angular slabs of alt mafic volcanic
927	670	2041	**3643**		**3.67**	531	non	str	1%	3-4%	angular slabs of alt mafic volcanic
1232	779	2042	96			531	non	nil	nil	5-7%	rusty pyritic mafic volcanic
1232	775	2043	562			531	str	nil	nil	10-15%	rusty pyritic mafic volcanic
1232	772	2044	45			531	non	wk-mod	nil	2-3%	beige-green narrow felsic dike?
1256	750	2045	**3899**		**3.70**	531	wk	wk	nil	1%	rusty mafic volcanic with epidote
1255	752	2046	84			531	wk-str	nil	nil	5-10%	angular slabs of rusty pyritic mafic volcanics
1300	725	2047	33			531	non	nil-wk	1%	1%	angular slabs of mafic volcanics,fractured
1284	687	2048	920	960		531	non	nil	nil	1-2%	OC.,sil beige unit,felsic intrusive? or alt mafic volcanic
1282	687	2049	550			531	non	wk-mod	nil	1-2%	OC.,sil beige unit,felsic intrusive? or alt mafic volcanic
1322	865	2050	40	42		531	mod-str	nil	nil	1%	mafic volcanic
50	1394	2051	14			532	str	wk	nil	3-5%	mafic volcanic,pillows
52	1394	2052	22			532	str	wk	nil	1%	mafic volcanic
55	1385	2053	19			532	str	wk	nil	1%	weakly alt. mafic volcanic
230	1375	2054	17			532	str	wk	nil	5-7%	mafic volcanic
217	1700	2055	64			532	mod-str	mod	nil	1%	mafic volcanic
1300	814	2056	217			532	mod	wk	20%	1%	mafic volcanic
1300	815	2057	89			532	mod	nil	nil	2%	mafic volcanic
1000	875	2058	40			532	mod	nil	nil	1%	mafic volcanic
1000	870	2059	41			532	non	nil	nil	1%	mafic volcanic
1400	1275	2060	15			532	wk	nil	nil	<1%	mafic volcanic
1402	1265	2061	22			532	wk	mod	nil	<1%	mafic volcanic
1100	1125	2062	38			532	non	nil	nil	1%	mafic volcanic
1100	1010	2063	433	419		532	non	nil	nil	1%	mafic volcanic
1800	1039	2064	110			532	non	nil	nil	1%	mafic volcanic
710	875	2065	60			532	non	nil	nil	1%	mafic volcanic
985	1035	2066	217			532	non	nil	nil	5%	mafic volcanic
600	850	2067	24	20		533	non	nil	nil	2%	mafic volcanic
600	915	2068	124			533	non	nil	nil	2%	mafic volcanic
605	915	2069	196			533	non	nil	nil	2%	mafic volcanic
808	1545	2070	65			533	wk	nil	nil	1%	mafic volcanic
706	1511	2071	79			533	non	mod	30%	10%	trench,rusty mafic volcanic
708	1511	2072	781			533	str	nil	nil	20%	trench,rusty mafic volcanic
707	1514	2073	378			533	mod	nil	nil	10%	trench,alt mafic volcanic

2003 Oka Prospecting

Line (E)	Station (N)	Sample	Au ppb	Au ppb chk	Au g/t chk	Cert.No.	Mag	Carb	%qtz	%py	Comments
708	1512	2074	**4161**		**4.18**	533	str	nil	nil	50%	trench,semi-massive sulphides
709	1514	2075	464			533	mod	str	nil	1-2%	trench,alt mafic volcanic
706	1513	2076	50			533	mod	wk-mod	nil	tr	trench,alt mafic volcanic,tr cpy,mt
373	1450	2077	26			533	wk	nil	nil	tr	trench,mafic volcanic
373	1450	2078	5			533	str	nil	nil	2-3%	trench,mafic volcanic
900	-380	2079	60			558				1%	mafic volcanic
513	-221	2080	261			558	non	nil	nil	1%	mafic volcanic
400	-225	2081	10	7		558	non	wk	nil	1%	sed?
115	795	2082	52			796	non	wk-mod	nil	1%	sil,conglomerate
1400	-67	2083	468			796	non	nil	nil	5-7%	angular rusty boulders,ser. sed.
1788	727	2084	913			796	wk-mod	nil	nil	1-5%	rusty pyritic mafic volcanic
1796	345	2085	201			796	non	nil	nil	5-10%	rusty pyritic mafic volcanic
1175	-275	2086	21			796	non	nil	80%	nil	pink syenite with strong qtz. stockwork
1405	1980	2087	21			796	mod-str	wk	nil	2-3%	alt mafic volcanic,< slabs,appears insitu
1405	1977	2088	17			796	str	wk-mod	nil	,	alt mafic volcanic,< slabs,appears insitu
1000	500	2089	24			796	non	nil	nil	nil	grey porphyry
1175	-275	2090	7			796	wk	wk	10%	nil	pink syenite with tiny qtz veinlets
1300	-350	2091	12			796	wk	wk	nil	nil	grey porphyry
1092	-225	2092	13			796	wk	wk	10%	nil	burgandy syenite with qtz veinlets
1505	180	2093	12			796	non	nil	nil	nil	f.g. sed?
1513	1210	2094	31			796	wk-mod	nil	nil	<1%	mafic volcanic
1555	527	2095	9			796	non	wk	1%	1%	rusty slabs at OC.,sed?
1557	526	2096	24			796	non	nil	2%	2-3%	rusty slabs at OC.,sed?
1559	526	2097	22			796	non	wk	nil	tr-4%	rusty section of OC.,sed?
1194	364	2098	69			863	non	wk	50%	nil	bx,sil mafic volcanic with qtz vein stockwork
1197	366	2099	7			863	non	wk	8%	tr	bx,sil mafic volcanic with qtz veinlets
1195	370	2100	346	360		863	non	nil	90%	nil	resample of 2038,bx,sil mafic volcanic with qtz stockwork
1322	862	2101	146	150		533	wk-mod	nil	nil	<1%	mafic volcanic,1%epid.
1520	760	2102	382			533	non	nil	nil	2-3%	rusty sil,alt.mafic volcanic
1520	761	2103	511	501		534	non	wk	nil	3-5%	rusty sil,alt.mafic volcanic
1520	763	2104	432			534	non	nil	nil	2-3%	rusty sil,alt.mafic volcanic
1545	785	2105	31			534	non	nil	25%	tr	disjointed qtz. vein in mafic volcanic
1615	785	2106	516			534	non	wk	nil	10-15%	large rusty block,appears insitu,beige sil. alt mafic volcanic?
1614	786	2107	**1414**		**1.34**	534	non	wk-mod	nil	8-10%	large rusty block,appears insitu,beige sil. alt mafic volcanic?

2003 Oka Prospecting

Line (E)	Station (N)	Sample	Au ppb	Au ppb chk	Au g/t chk	Cert.No.	Mag	Carb	%qtz	%py	Comments
1615	821	2108	81			534	non	wk	nil	1-2%	rusty slabs of rusty alt. mafic volcanic,light grey sil.
1668	826	2109	**>DL.**		**14.43**	534	str	nil	nil	5-7%	grey-beige sil. alt mafic volcanic
1668	826	2110	**3103**		**3.26**	534	wk	wk	nil	5-7%	grey-beige sil. alt mafic volcanic
1670	825	2111	370			534	str	wk-mod	nil	3-4%	large block,part of OC?,grey-beige sil. alt mafic volcanic
985	1441	2112	36			534	str	wk	nil	2-3%	mafic volcanic
1000	1435	2113	40			534	wk-mod	wk	nil	1%	rusty mafic volcanic
1575	2285	2114	12			534	mod	wk	nil	tr-<1%	burgandy alt. mafic volcanic?
1422	1700	2115	17	21		534	non	wk	nil	1-2%	alt mafic volcanic
1420	1700	2116	15			534	mod-str	nil	nil	<1%	glomeroporphyritc diabase
1500	1770	2117	15			534	non	wk	nil	10-12%	rusty mudstone
1509	1770	2118	89			534	non-wk	wk	nil	3-4%	rusty mudstone
327	-217	2119	19	22		558	non	nil	10%	tr-<1%	old trench,light pink sil. sed.
327	-216	2120	12			558	non	nil	10%	tr	old trench,light brown unit with tiny qtz veinlets,tr fuchsite
328	-217	2121	7			558	non	wk	40%	tr	old trench,muck,green-carb
327	-215	2122	10			558	non	nil	nil	tr	old trench,chl-ank-sil schist
327	-212	2123	2			558	non	nil	5%	tr	old trench,chl-ank-sil schist
326	-203	2124	7			558	non	nil	nil	tr	old trench,chl-ank-sil schist
418	-260	2125	10			558	non	nil	20%	<1%	old trench,OC.?,bx.-sil sed?
418	-260	2126	3			558	wk	wk	25%	1-2%	old trench,block,bx-sil. sed?
326	-200	2127	10			558	non	nil	nil	nil	old trench,pink sil sed
326	-200	2128	2			558	non	nil	10%	nil	old trench,pink sil sed with white qtz veinlets
1195	382	2129	**6068**		**6.41**	863	non	nil	80%	tr	bx,sil mafic volcanic with qtz stockwork
1196	388	2130	103			863	non	nil	75%	tr	bx,sil mafic volcanic with qtz stockwork
2051	1100	2131	98							5%	cherty sediment

Appendix II
Lithogeochemical Sampling and Prospecting
Assay Certificates

R.V Zalnieriunas Consulting
Box 214, Larder Lake, ON, P0K 1L0
Tel.: (705) 643-2258 Email: zal@nt.net

Laboratoire Expert Inc
127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Date : 2003/08/05
Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Ray Zalnieriunas** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **447** Your order number : Project : **YD Matachewan** Number of samples: **10**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2001	335	359	
2002	1170		1.20
2003	12		
2004	12		
2005	9		
2006	120		
2007	29		
2008	65		
2009	15		
2010	946		

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Date : 2003/09/02
Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **529** Your order number : Project : **YD Matachewan** Number of samples: **14**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2011	24	23
2012	93	
2013	71	
2014	55	
2015	33	
2016	60	
2017	91	
2018	100	
2019	294	
2020	241	
2021	124	
2022	41	
2023	12	9
2024	220	

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Date : 2003/09/02
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**	
Addressee : **Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Tel.: (705) 567-4511 Canada P2N 3H7 Fax.: (705) 567-6873	Folder : **530** Your order number : Project : **YD Matachewan** Number of samples: **13**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2025	58	56
2026	40	
2027	<2	
2028	79	
2029	724	
2030	504	
2031	225	
2032	40	
2033	5	
2034	<2	
2035	12	
2036	<2	
2037	5	7

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Date : 2003/09/04
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **531**
Your order number :
Project : **YD Matachewan**

Number of samples: **13**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2038	932	994	
2039	38		
2040	1828		1.99
2041	3643		3.67
2042	96		
2043	562		
2044	45		
2045	3899		3.70
2046	84		
2047	33		
2048	920	960	
2049	550		
2050	40	42	

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Date : 2003/09/02
Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **532** Your order number : Project : **YD Matachewan** Number of samples: **16**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2051	14	17
2052	22	
2053	19	
2054	17	
2055	64	
2056	217	
2057	89	
2058	40	
2059	41	
2060	15	
2061	22	
2062	38	
2063	433	419
2064	110	
2065	60	
2066	217	

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Date : 2003/09/04
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **533**
Your order number :
Project : **YD Matachewan**

Number of samples: **14**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2067	24	20	
2068	124		
2069	196		
2070	65		
2071	79		
2072	781		
2073	378		
2074	4161		4.18
2075	464		
2076	50		
2077	26		
2078	5		
2101	146	150	
2102	382		

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Page : 1 of 1

Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
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Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **534**
Your order number :
Project : **YD Matachewan**

Number of samples: **16**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03	Au-Dup FA-GRA g/t .03
2103	511	501		
2104	432			
2105	31			
2106	516			
2107	1414		1.34	
2108	81			
2109	---------- >DL		14.43	14.43
2110	3103		3.26	
2111	370			
2112	36			
2113	40			
2114	12			
2115	17	21		
2116	15			
2117	15			
2118	89			

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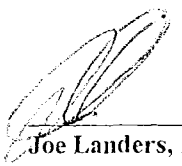
Date : 2003/09/10
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**	
Addressee : **Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Tel.: (705) 567-4511 Canada P2N 3H7 Fax.: (705) 567-6873	Folder : **558** Your order number : Project : **YD Matachewan** Number of samples: **13**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2079	60	
2080	261	
2081	10	7
2119	19	22
2120	12	
2121	7	
2122	10	
2123	2	
2124	7	
2125	10	
2126	3	
2127	10	
2128	2	



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Date : 2003/10/06
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**

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21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **796**
Your order number :
Project : **YD Matachewan**

Number of samples: **16**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2082	52	46
2083	468	
2084	913	
2085	201	
2086	21	
2087	21	
2088	17	
2089	24	
2090	7	
2091	12	
2092	13	
2093	12	
2094	31	37
2095	9	
2096	24	
2097	22	

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Rouyn-Noranda, QC, J9X 6P2
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Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **863**
Your order number :
Project : **YD Matachewan**

Number of samples: **63**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2098	69		
2099	7		
2100	346	360	
2129	6068		6.41
2130	103		
2412	397	401	
2413	19		
2414	12		
2415	26		
2416	12		
2417	26		
2418	10		
2419	19		
2420	12		
2421	2		
2422	34		
2423	28		
2424	6	9	
2425	41		
2426	5		
2427	3		
2428	5		
2429	3		
2430	6		
2431	5		
2432	3		

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P.O. Box 186
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Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **863**
Your order number :
Project : **YD Matachewan**

Number of samples: **63**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2433	5		
2434	3		
2435	8		
2436	7	5	
2437	3		
2438	7		
2439	3		
2440	15		
2441	17		
2442	5		
2443	3		
2444	28		
2445	19		
2446	89		
2447	6		
2448	2	3	
2449	<2		
2450	<2		
2451	15		
2452	<2		
2453	17		
2454	<2		
2455	<2		
2456	<2		
2457	8		
2458	33		

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Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **863** Your order number : Project : **YD Matachewan** Number of samples: **63**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2459	9		
2460	24	22	
2461	10		
2462	2		
2463	2		
2464	7		
2465	9		
2466	15		
2467	5		
2468	10		
2469	15		

Joe Landers, Manager

Appendix III
Trenching and Stripping Sampling Notes

R.V Zalnieriunas Consulting
Box 214, Larder Lake, ON, P0K 1L0
Tel.: (705) 643-2258 Email: zal@nt.net

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-01	1613	780	2151	41	41		792	non	nil	0	0	fg. mafic volcanic
TR-03-01	1612	782	2152	40			792	non	wk	0	0	fg. mafic volcanic
TR-03-01	1612	783	2153	86			792	non	wk	0	0	fg. mafic volcanic
TR-03-01	1611	786	2154	316			792	non	wk	5	7-8%	alt. mafic volcanic
TR-03-01	1612	786	2155	406			792	non	nil	1	1-3%	alt. mafic volcanic
TR-03-01	1613	789	2156	1330		1.37	792	non	nil	0	1-3%	rotted-sil mafic volcanic
TR-03-01	1613	790	2157	805			792	non	nil	10	<1%	beige alt. mafic volcanic
TR-03-01	1615	789	2158	956			792	non	nil	1	2-3%	porp.?,alt. mafic volcanic ?
TR-03-01	1616	789	2159	497			792	non	nil	0	3-4%	alt. mafic volcanic
TR-03-01	1616	790	2160	872			792	non	wk	0	4-5%	beige porp.?
TR-03-01	1618	790	2161	769			792	non	wk	0	2-3%	beige porp.?
TR-03-01	1618	792	2162	2179		2.06	792	non	nil	0	4-5%	rusty sil. porp.?
TR-03-01	1618	793	2163	1880		1.99	792	non	wk	1	8-10%	pink-beige porp.?
TR-03-01	1618	794	2164	1569		1.51	792	non	nil	0	7-8%	rusty sil. beige porp.?
TR-03-01	1619	795	2165	2098		2.06	792	non	nil	2	2-3%	alt. mafic volcanic
TR-03-01	1618	799	2166	234			792	non	nil	0	1-2%	sil. alt. mafic volcanic
TR-03-01	1621	799	2167	256			792	non	wk	1	5-6%	alt. mafic volcanic
TR-03-01	1619	802	2168	138	148		793	mod	nil	0	3-4%	alt. mafic volcanic
TR-03-01	1619	804	2169	88			793	wk	nil	0	1-2%	sil. mafic volcanic
TR-03-01	1615	814	2170	71			793	mod	wk	0	<1%	mafic volcanic
TR-03-01	1615	816	2171	236			793	non	wk	0	2-3%	porphyritic mafic volcanic
TR-03-01	1614	819	2172	925			793	non	nil	3	5-6%	mafic volcanic
TR-03-01	1613	822	2173	406			793	non	wk	5	1-2%	sil. mafic volcanic,tiny qv,s
TR-03-01	1615	824	2174	435			793	non	wk	0	2-3%	mafic volcanic
TR-03-01	1612	832	2175	1008		1.03	793	non	wk	1	<1%	alt. sil. mafic volcanic
TR-03-01	1612	835	2176	83			793	non	nil	0	1-2%	mafic volcanic
TR-03-01	1614	838	2177	81			793	non	nil	0	<1%	sheared mafic volcanic
TR-03-01	1612	839	2178	494			793	mod	wk	5	1-2%	sheared mafic volcanic
TR-03-01	1611	840	2179	244			793	mod	wk	1	<1%	sheared mafic volcanic
TR-03-01	1612	840	2180	296	321		793	mod	mod	1	1-2%	sheared mafic volcanic
TR-03-01	1612	841	2181	845			793	non	wk	3	1-2%	beige sheared mafic volcanic
TR-03-01	1615	840	2182	3387		3.5	793	non	nil	0	tr	beige sil.-chl mafic volcanic
TR-03-02	1667	822	2183	724	700		794	mod	mod	2	5-6%	alt. mafic volcanic
TR-03-02	1666	821	2184	>DL		24.72	794	non	wk	1	3-4%	alt. mafic volcanic
TR-03-02	1667	821	2185	571			794	wk	wk	2	2-3%	alt. mafic volcanic
TR-03-02	1669	820.5	2186	1829		1.89	794	mod	wk	5	1-2%	alt. mafic volcanic,tiny qtz veinlets
TR-03-02	1668.5	820	2187	237			794	non	wk	0	4-5%	alt. mafic volcanic
TR-03-02	1666.5	818.5	2188	483			794	non	wk	10	1%	alt. mafic volcanic,wk chl.

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-02	1669	818	2189	272			794	non	wk	5	1%	lamprophyre with qtz veinlets
TR-03-02	1669	817	2190	965			794	non	nil	10	4-5%	alt mafic volcanic,tiny qtz veinlets
TR-03-02	1667	817	2191	708			794	non	nil	40	4-5%	mafic volcanic with qtz veinlets
TR-03-02	1668.5	816	2192	1218		1.17	794	non	mod	5	<1%	chl. mafic volcanic
TR-03-02	1668	814.5	2193	2012		2.06	794	non	nil	15	1-2%	well fol. mafic volcanic
TR-03-02	1667.5	814	2194	1173		1.1	794	non	nil	0	tr-3%	well fol. mafic volcanic
TR-03-02	1667	813	2195	217	215		795	non	wk	5	4-5%	well fol. mafic volcanic
TR-03-02	1667	809.5	2196	550			795	non	wk	90	1-2%	qtz boudin,well fol. mafic volcanic
TR-03-02	1667.5	808	2197	771			795	non	wk	2	2-3%	fol. sil. mafic volcanic
TR-03-02	1668	799	2198	1020		1.06	795	non	wk	0	1-2%	sheared sil. mafic volcanic
TR-03-02	1668	798	2199	373			795	non	nil	2	2-3%	sheared sil. mafic volcanic
TR-03-02	1668.5	797	2200	447			795	wk	wk	2	2-3%	sheared sil. mafic volcanic
TR-03-02	1668	796	2201	303			795	mod	wk	5	2-3%	sheared sil. mafic volcanic
TR-03-02	1669	795	2202	707			795	non	mod	0	4-5%	grey-pink alt. mafic volcanic
TR-03-02	1667	794.5	2203	339			795	non	nil	0	1-2%	grey-pink alt. mafic volcanic
TR-03-02	1666	792.5	2204	335			795	non	nil	0	2-3%	grey-pink alt. mafic volcanic
TR-03-02	1666	791	2205	306	292		827	non	nil	5	tr	sil. mafic volcanic
TR-03-02	1668	791	2206	3443		3.33	827	non	wk	0	3-5%	beige alt. mafic volcanic
TR-03-02	1667	788	2207	846			827	non	mod	0	2-4%	grey-pink alt. mafic volcanic minor lamp.
TR-03-02	1668.5	788.5	2208	1142		1.1	827	non	nil	0	2-4%	rusty green-pink alt. mafic volcanic
TR-03-02	1666	787.5	2209	1687		1.82	827	non	nil	0	5-7%	rusty green-pink alt. mafic volcanic
TR-03-02	1667	785.5	2210	284			827	wk	vk-mo	0	2-3%	fg. grey-pink alt. mafic volcanic?
TR-03-02	1668.5	784.5	2211	177			827	non	wk	0	1-2%	fg. grey-pink alt. mafic volcanic?
TR-03-03	1721	814	2212	29			827	non	str	0	tr	bx. mafic volcanic
TR-03-03	1720	815	2213	10			827	non	str	0	tr	bx. mafic volcanic
TR-03-03	1719	815	2214	5			827	wk	nil	0	0	fg. black mafic dyke
TR-03-03	1720	816.5	2215	<2			827	non	wk	0	tr	bx. mafic volcanic
TR-03-03	1719	818.5	2216	2			827	non	nil	0	0	contact,dyke and mafic volcanic
TR-03-03	1721	820	2217	9	9		827	non	wk	0	tr	bx. mafic volcanic
TR-03-03	1719	821.5	2218	2	3		828	wk	nil	0	0	fg. black mafic dyke
TR-03-03	1720	822.5	2219	10			828	wk	wk	0	tr	contact,dyke and mafic volcanic
TR-03-03	1720	825	2220	10			828	wk	wk	0	tr	sil. bx. mafic volcanic
TR-03-03	1722	827	2221	2			828	mod	wk	0	tr	fg. mafic volcanic
TR-03-03	1722	828	2222	9			828	mod	mod	0	tr	fg. mafic volcanic
TR-03-03	1722	830	2223	7			828	wk	wk	0	tr	fg. mafic volcanic
TR-03-03	1722.5	832	2224	7			828	vk-mo	wk	0	tr	ultramafic?
TR-03-03	1722.5	833.5	2225	14			828	non	wk	0	tr	poorly fol. mafic volcanic
TR-03-03	1722.5	837	2226	5			828	non	nil	0	0	chl. mafic volcanic

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-03	1722.5	838	2227	24			828	non	nil	0	0	well fol. chl. mafic volcanic
TR-03-03	1723	838	2228	127			828	str	nil	0	5-7%	purple-black alt. mafic volcanic
TR-03-03	1722	838.5	2229	132			828	wk	wk	0	5-7%	purple-black alt. mafic volcanic
TR-03-03	1723	838.5	2230	26	24		829	str	nil	0	1%	purple-black alt. mafic volcanic
TR-03-03	1723	839.5	2231	31			829	wk	wk	0	1-2%	wkly alt.fg. black mafic volcanic
TR-03-03	1722	839.5	2232	17			829	str	wk	0	1-2%	alt. mafic volcanic
TR-03-03	1723	841.5	2233	17			829	mod	nil	0	<1%	fg. mafic volcanic
TR-03-03	1718	809.5	2469	15			863	non	nil	0	1%	syenite?
TR-03-04	1282	648	2234	28			829	non	nil	0	tr	conglomerate,greywacke
TR-03-04	1282	650	2235	40			829	mod	nil	2	<1%	conglomerate,greywacke
TR-03-04	1282	652	2236	5			829	wk	wk	0	tr	conglomerate,greywacke
TR-03-04	1283	655	2237	95			829	wk	nil	0	tr	conglomerate,greywacke
TR-03-04	1282	660	2238	10			829	wk	nil	0	<1%	conglomerate
TR-03-04	1284	664	2239	19			829	non	nil	0	tr	conglomerate
TR-03-04	1282	670	2240	3			829	non	nil	0	tr	conglomerate
TR-03-04	1284	682	2241	1142		1.13	830	non	mod	0	3-4%	sil. alt. mafic volcanic
TR-03-04	1284	681	2242	24			830	wk	wk	0	tr	chl. mafic volcanic
TR-03-04	1284.5	691	2243	430			830	non	nil	0	<1%	light grey porphyry
TR-03-04	1285	690	2244	640			830	non	nil	1	tr	fol. mafic volcanic
TR-03-04	1285	688.5	2245	4207		4.35	830	non	wk	0	5-7%	fault zone,alt. porphyry?
TR-03-04	1285	688.3	2246	841			830	non	wk	5	2-4%	fault zone,alt. porphyry?
TR-03-04	1287.5	686.5	2247	332			830	non	mod	1	1-2%	beige alt. porphyry
TR-03-04	1285	685	2248	1017		1.03	830	non	nil	0	<1%	beige alt. porphyry
TR-03-04	1285	684	2249	1099		1.1	830	non	wk	0	1-2%	beige alt. porphyry
TR-03-04	1287	682	2250	2405		2.57	830	non	wk	0	3-4%	rusty sil. alt. mafic volcanic?
TR-03-04	1287.2	681.8	2251	1022		1.1	830	non	nil	0	2-3%	alt. bleached sediment?
TR-03-04	1288	683.5	2252	2272		2.4	830	non	nil	0	2-3%	alt. rusty sediment?
TR-03-04	1289	684.5	2253	795	788		830	non	nil	0	3-4%	contact,sediment and porphyry
TR-03-04	1289.5	685	2254	1018		1.03	831	non	nil	0	2-3%	alt. beige porphyry
TR-03-04	1289	686.5	2255	987			831	non	wk	0	1-2%	green-grey porphyry
TR-03-04	1290	688	2256	1108		1.1	831	non	wk	0	5-7%	fault zone,alt grey porphyry
TR-03-04	1289.5	690	2257	4460		4.8	831	non	nil	0	3-4%	fault zone,alt grey porphyry
TR-03-04	1290	691.5	2258	1333		1.27	831	non	nil	8	tr-2%	sil mafic volcanic?
TR-03-04	1295	692.5	2259	1680		1.75	831	non	nil	5	1-2%	sheared mafic volcanic?
TR-03-04	1295	690	2260	1995		2.06	831	non	nil	0	2-3%	fault zone,alt grey porphyry
TR-03-04	1295.4	689.5	2261	1250		1.1	831	non	nil	0	5-6%	fault zone,alt grey porphyry
TR-03-04	1294	689.3	2262	418			831	non	nil	0	2-3%	beige porphyry
TR-03-04	1300	694	2263	193			831	non	nil	0	tr	grey porphyry

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-04	1299.5	692.5	2264	4047		3.91	831	non	wk	0	2-3%	sheared grey porphyry
TR-03-04	1300.5	692	2265	2413		2.57	831	non	nil	0	5-6%	sheared grey porphyry
TR-03-04	1301	690	2266	1976		2.06	831	non	nil	0	5-6%	fault zone,grey porphyry
TR-03-04	1302.5	692	2267	2291		2.4	831	non	nil	0	8-10%	red porphyry (syenite?)
TR-03-04	1304.5	687.5	2268	3156		3.19	832	non	nil	0	5-6%	red porphyry (syenite?)
TR-03-04	1305	687.5	2269	1233		1.1	832	non	nil	0	4-5%	red porphyry (syenite?)
TR-03-04	1304.5	690.5	2270	1825		1.92	832	non	nil	0	5-6%	fault zone,alt grey porphyry
TR-03-04	1304.5	691	2271	896			832	non	nil	0	2-3%	fault zone,alt grey porphyry
TR-03-04	1305.3	691	2272	762			832	non	nil	0	3-4%	fault zone,alt grey porphyry
TR-03-04	1305	692	2273	1273		1.1	832	non	nil	0	1-2%	sil. sheared mafic volcanic
TR-03-04	1305	695	2274	335			832	non	nil	0	tr-1%	grey porphyry
TR-03-04	1306.5	696	2275	233			832	non	nil	0	tr	grey porphyry
TR-03-04	1307	696	2276	1407		1.51	832	non	wk	0	2-3%	rusty grey porphyry
TR-03-04	1307.5	689	2277	1429		1.47	832	non	nil	0	4-5%	beige porphyry
TR-03-04	1307	690.3	2278	2178		2.26	832	non	nil	0	5-7%	fault zone,alt grey porphyry
TR-03-04	1310	691.5	2279	1376		1.34	832	non	wk	0	3-4%	sil alt. mafic volcanic
TR-03-04	1220.5	798	2280	43	41		833	non	nil	0	tr	fg. mass mafic volcanic
TR-03-04	1220	798	2281	315			833	wk-mo	nil	0	3-4%	rusty corner of fg. mafic volcanic
TR-03-04	1222	795.5	2282	19			833	non	nil	0	0	fg. mass mafic volcanic
TR-03-04	1222	793.5	2283	12			833	non	nil	0	0	fg. bx mafic volcanic
TR-03-04	1223	792.5	2284	15			833	non	nil	0	0	fg. bx mafic volcanic
TR-03-04	1225	788.5	2285	31			833	non	nil	0	0	fg. pillowed mafic volcanic
TR-03-04	1227.5	787.5	2286	6			833	non	wk	0	tr	fg. pillowed mafic volcanic
TR-03-04	1229	786	2287	3			833	non	nil	0	tr	fg. pillowed mafic volcanic
TR-03-04	1227.5	784	2288	6			833	non	nil	0	0	mass mafic volcanic
TR-03-04	1235	783	2289	31			833	non	nil	0	<1%	fg. pillowed mafic volcanic
TR-03-04	1235	779	2290	600			833	non	mod	0	1-3%	sil mafic volcanic
TR-03-04	1236	778	2291	43	38		834	non	nil	0	tr	fg. pillowed mafic volcanic
TR-03-04	1237	777.5	2292	17			834	non	nil	0	<1%	fg. pillowed mafic volcanic
TR-03-04	1232	779.5	2293	12			834	non	nil	0	tr	mass mafic volcanic
TR-03-04	1233	775	2294	9			834	non	wk	0	<1%	mass-bx. mafic volcanic
TR-03-04	1236	775	2295	29			834	non	nil	0	tr	mass mafic volcanic
TR-03-04	1237.5	774.5	2296	206			834	non	nil	0	<1%	mass mafic volcanic
TR-03-04	1239	779	2297	3			834	non	nil	0	<1%	mass mafic volcanic
TR-03-04	1238	780	2298	100			834	str	wk	0	5-7%	pyritic mafic volcanic
TR-03-04	1256	753.5	2299	5			834	non	nil	0	0	mass mafic volcanic
TR-03-04	1253.5	753.5	2300	2546		2.67	834	mod	nil	0	8-10%	rusty mafic volcanic
TR-03-04	1252.5	753.5	2301	40			834	wk	nil	0	<1%	rusty mafic volcanic

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-04	1254	751	2302	89	81		835	non	nil	0	tr	rusty mafic volcanic
TR-03-04	1259.5	748	2303	12			835	non	nil	0	0	fg. mass mafic volcanic
TR-03-04	1262	745	2304	255			835	vk-mo(	nil	0	<1%	rusty mafic volcanic
TR-03-04	1262.5	743.5	2305	588			835	wk	nil	2	1-2%	rusty mafic volcanic
TR-03-04	1266	737.5	2306	28			835	wk	nil	0	1%	rusty mafic volcanic
TR-03-04	1264	736	2307	41			835	wk	nil	0	<1%	rusty mafic volcanic
TR-03-04	1268	734	2308	117			835	non	nil	0	tr	rusty mafic volcanic
TR-03-04	1269	731	2309	43			835	non	nil	0	1%	mass mafic volcanic
TR-03-04	1273.5	725	2310	112			835	non	nil	0	<1%	mass mafic volcanic
TR-03-04	1280.5	700.5	2311	26			835	wk	nil	0	<1%	mass mafic volcanic
TR-03-05	907	660	2312	13	10		836	wk	wk	0	tr	sandstone
TR-03-05	914	659	2313	8			836	mod	wk	0	tr	weakly fract. sandstone?
TR-03-05	917	659.5	2314	88			836	wk	nil	0	tr	weakly fract. sandstone?
TR-03-05	918.5	659.2	2315	203			836	vk-mo(	mod	5	1%	weakly fract. sandstone?
TR-03-05	920	659	2316	69			836	mod	nil	0	<1%	weakly fract. sandstone?
TR-03-05	920	658	2317	76			836	vk-mo(	nil	0	<1%	weakly fract. sandstone?
TR-03-05	922.5	659	2318	167			836	vk-mo(	wk	0	tr	weakly fract. sandstone?
TR-03-05	925.5	657	2319	28			836	wk	nil	0	0	weakly fract. sandstone?
TR-03-05	930	658	2320	660			836	wk	nil	0	tr	sandstone
TR-03-05	929.5	660.5	2321	22			836	wk	wk	0	tr	weakly fract. sandstone?
TR-03-05	931	661	2322	48	50		837	wk	nil	5	<1%	sil. alt. zone,sediment?
TR-03-05	933	663	2323	65			837	wk	wk	8	1%	sil. alt. zone,sediment?
TR-03-05	932.5	664.5	2324	1347		1.47	837	non	wk	1	3-5%	sil. alt. zone,sediment?
TR-03-05	932	665.5	2325	889			837	non	wk	1	1-2%	weakly alt. sandstone?
TR-03-05	934	662	2326	55			837	vk-mo(	wk	1	<1%	weakly fract. sandstone?
TR-03-05	937.5	662.5	2327	261			837	mod	wk	2	3-5%	grey-beige alt. sediment
TR-03-05	936.5	663.5	2328	141			837	str	wk	5	2-3%	weakly alt. sandstone?
TR-03-05	936	665	2329	1407		1.34	837	wk	nil	1	5-6%	sil. alt. zone,sediment?
TR-03-05	935	667	2330	372			837	non	wk	0	1%	sil alt. sediment
TR-03-05	933	674	2331	299			837	non	nil	0	<1%	sheared sediment
TR-03-05	933.5	675.5	2332	425	431		838	non	nil	0	1-2%	sil.,chl. sheared greywacke
TR-03-05	932	679	2333	22			838	wk	nil	0	tr	fract. greywacke?
TR-03-05	930.5	680	2334	33			838	wk	nil	0	tr	fract. greywacke?
TR-03-05	930.2	682	2335	29			838	vk-mo(	wk	1	2-3%	sil. greywacke
TR-03-05	932	684.2	2336	38			838	wk	wk	0	2-3%	alt. conglomerate
TR-03-05	935	658	2337	<2			838	wk	nil	0	0	mass sandstone
TR-03-05	935	652	2338	3			838	vk-mo(	nil	0	tr	mass sandstone
TR-03-05	935	643	2339	3			838	wk	nil	0	tr	mass sandstone

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-05	935	637	2340	31			838	non	nil	0	0	black sil. sediment?
TR-03-05	934	630	2341	14			838	wk-mo	wk	1	<1%	black sil. sediment?
TR-03-05	935	624	2342	<2	<2		839	non	nil	0	0	sandstone
TR-03-05	935	620	2343	5			839	non	nil	0	1-2%	rusty sediment with py cubes
TR-03-05	941.5	660	2344	346			839	mod	mod	2	<1%	sil. beige alt. sediment
TR-03-05	942	659	2345	72			839	wk	nil	0	tr	fract. sil. chl sediment
TR-03-05	949	662	2346	31			839	mod-st	nil	0	tr	mod fract. sandstone?
TR-03-05	957	662.5	2347	21			839	mod	nil	0	tr	weakly fract. sediment
TR-03-05	967	662.5	2348	77			839	mod-st	nil	0	<1%	weakly fract. sediment
TR-03-05	988	666	2349	24			839	mod	nil	0	<1%	weakly fract. sediment
TR-03-05	989.7	665	2350	28			839	mod-st	nil	0	<1%	weakly fract. sediment
TR-03-06	1534.5	499.5	2351	179	199		862		nil	0	tr	pebbly sandstone
TR-03-06	1534	498	2352	108			862		nil	0	2-3%	pebbly sandstone
TR-03-06	1535	498	2353	244			862		nil	0	1-2%	pebbly sandstone
TR-03-06	1537	497	2354	41			862		nil	0	1%	greywacke?
TR-03-06	1533	497	2355	26			862		nil	0	<1%	greywacke?
TR-03-06	1535	495	2356	6			862		nil	0	1-2%	greywacke?
TR-03-06	1533	492	2357	40			862		nil	0	<1%	greywacke?
TR-03-06	1532	487	2358	193			862		nil	0	2-3%	greywacke?
TR-03-06	1530	487.5	2359	21			862		nil	0	2-3%	cherty siltstone?
TR-03-06	1530	484.4	2360	614			862		nil	0	<1%	greywacke?
TR-03-06	1528	481	2361	294			862		nil	0	tr	rusty fract. greywacke
TR-03-06	1525	477.5	2362	21			862		wk	0	<1%	conglomerate
TR-03-06	1525	475	2363	86	81		862		wk	0	<1%	conglomerate
TR-03-06	1524.5	470.3	2364	7			862		nil	0	tr	greywacke?
TR-03-06	1523	466.5	2365	14			862		wk	0	1-2%	gritty sandstone?
TR-03-06	1523.5	464	2366	14			862		nil	0	tr	rusty conglomerate
TR-03-06	1518.5	457	2367	193			862		nil	3	tr	cherty siltstone?
TR-03-06	1517	452.5	2368	186			862		wk	0	tr	greywacke?
TR-03-06	1519	450	2369	96			862		wk	1	1-2%	greywacke?
TR-03-06	1516	450	2370	64			862		wk	1	3-5%	rusty conglomerate
TR-03-06	1517	447.5	2371	86			862		nil	1	1-2%	rusty conglomerate
TR-03-06	1512.5	447	2372	62			862		nil	0	1-2%	rusty conglomerate
TR-03-06	1510	439	2373	29			862		nil	0	1%	rusty conglomerate
TR-03-06	1510	438	2374	19			862		nil	0	1%	rusty conglomerate
TR-03-06	1510	436.5	2375	19	21		862		nil	0	1-2%	rusty conglomerate
TR-03-06	1508.5	430	2376	52			862		nil	0	tr	rusty greywacke
TR-03-06	1507.5	428	2377	3			862		wk	0	0	grey porphyry

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-06	1506.5	425.5	2378	3			862		nil	60	0	6cm. QV in grey porphyry
TR-03-06	1505	425.5	2379	5			862		wk	0	0	pink syenite
TR-03-06	1502.5	421	2380	243			862		wk	0	1-2%	greywacke?
TR-03-06	1503.5	421	2381	175			862		wk	0	1-2%	greywacke?
TR-03-07	1304	477.5	2451	15			863	non	wk	0	tr	pink syenite
TR-03-07	1305.5	478.5	2452	<2			863	non	wk	0	0	fract chl sediments
TR-03-07	1306	480.5	2453	17			863	non	nil	0	0	rusty sandstone
TR-03-07	1305.6	481.5	2454	<2			863	non	nil	0	0	chl sandstone?
TR-03-07	1304.5	494	2455	<2			863	non	nil	0	0	sandstone?
TR-03-07	1303.5	502	2456	<2			863	non	nil	30	tr	str bx and QV mafic volcanic?
TR-03-07	1302.5	506.5	2457	8			863	non	nil	40	0	str bx and QV mafic volcanic?
TR-03-07	1304	507	2458	33			863	non	nil	25	0	str bx and QV mafic volcanic?
TR-03-07	1301	510.5	2459	9			863	non	wk	30	0	str bx and QV mafic volcanic?
TR-03-07	1303.5	512.5	2460	24	22		863	non	wk	20	0	str bx and QV mafic volcanic?
TR-03-07	1307	514	2461	10			863	non	vk-mo	80	0	2-4cm. white quartz vein
TR-03-07	1309	511	2462	2			863	non	nil	1	0	str fract. mafic volcanic
TR-03-07	1307.5	518	2463	2			863	non	nil	40	0	str bx and QV mafic volcanic?
TR-03-07	1304.6	519.5	2464	7			863	non	wk	30	tr	str bx and QV mafic volcanic?
TR-03-07	1305	535	2465	9			863	non	nil	0	tr	greywacke?
TR-03-07	1305	537	2466	15			863	non	nil	0	<1%	greywacke?
TR-03-07	1305	540	2467	5			863	non	wk	0	tr	greywacke?
TR-03-07	1306	540	2468	10			863	non	wk	0	tr	greywacke?
TR-03-08	1107.5	335	2426	5			863	wk	mod-st	5	tr	weakly sheared mafic volcanic
TR-03-08	1107	337	2427	3			863	wk	vk-mo	5	tr	weakly sheared mafic volcanic
TR-03-08	1108	338	2428	5			863	mod-st	wk	0	tr	weakly fract. mafic volcanic
TR-03-08	1108.5	341.5	2429	3			863	non	vk-mo	2	tr	weakly fract. mafic volcanic
TR-03-08	1110	343	2430	6			863	wk	wk	0	tr	weakly fract. mafic volcanic
TR-03-08	1111	346	2431	5			863	non	wk	0	tr	fg. mafic volcanic
TR-03-08	1111	346.4	2432	3			863	str	wk	0	tr	fg. black sil. unit
TR-03-08	1112	349.5	2433	5			863	non	wk	0	0	fg. fract. mafic volcanic
TR-03-08	1112	350	2434	3			863	non	wk	0	0	fg. fract. mafic volcanic
TR-03-08	1113	351.5	2435	8			863	mod	wk	0	0	fg. fract. mafic volcanic
TR-03-08	1115.5	351.5	2436	7	5		863	vk-mo	wk	0	tr	grey porphyry
TR-03-08	1115	353	2437	3			863	non	nil	99	0	4-7cm. milky white QV.
TR-03-08	1115.5	356	2438	7			863	wk	wk	0	tr	grey porphyry
TR-03-08	1115.5	358.5	2439	3			863	mod	nil	0	0	grey porphyry
TR-03-08	1115.5	359	2440	15			863	non	wk	0	0	grey porphyry
TR-03-08	1116	360	2441	17			863	non	wk	0	0	fg. fract. mafic volcanic

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-08	1115.5	363.5	2442	5			863	non	nil	0	0	fg. fract. mafic volcanic
TR-03-08	1114.5	371	2443	3			863	non	nil	0	0	pillowed mafic volcanic
TR-03-08	1112	375	2444	28			863	non	wk	0	0	pillowed mafic volcanic
TR-03-08	1116	380	2445	19			863	vk-mo(	wk	0	tr	pillowed mafic volcanic
TR-03-08	1113.5	381.5	2446	89			863	non	nil	0	1-2%	rusty pillowed mafic volcanic
TR-03-08	1116	391	2447	6			863	non	nil	0	0	fg. mafic volcanic
TR-03-08	1117.5	395	2448	2	3		863	non	nil	0	tr	fg. mafic volcanic
TR-03-08	1113	405	2449	<2			863	non	nil	0	0	mafic volcanic with selvages
TR-03-08	1112	406.5	2450	<2			863	non	nil	0	0	mafic volcanic with selvages
TR-03-09	1612	535	2400	26			862			0	2-3%	rusty mafic volcanic
TR-03-09	1614.5	536	2401	8			862			0	<1%	mafic dyke
TR-03-09	1611	535	2402	298			862			0	1-2%	rusty mafic volcanic
TR-03-09	1614	538.5	2403	12			862			0	3-4%	rusty mafic volcanic
TR-03-09	1609	539	2404	19			862			0	1-2%	rusty bx. mafic volcanic
TR-03-09	1601.5	542	2405	29			862			0	1-2%	rusty bx. mafic volcanic
TR-03-09	1603	546	2406	33			862			0	1%	rusty bx. mafic volcanic
TR-03-09	1598	545.5	2407	74			862			0	7-8%	rusty mafic volcanic
TR-03-09	1596.5	545	2408	55			862			0	1%	rusty mafic volcanic,tuff-bx.
TR-03-09	1596	547	2409	19			862			0	1%	rusty mafic volcanic,tuff-bx.
TR-03-09	1598	552	2410	53			862			0	3-4%	rusty mafic volcanic
TR-03-09	1594	550	2411	26	21		862			0	1-2%	rusty mafic volcanic,tuff-bx.
TR-03-09	1595	552.5	2412	397			863			3	tr-20%	rusty mafic volcanic,tr-semi-mass py
TR-03-09	1592.5	552	2413	19			863			0	10-15%	pyritic mafic volcanic
TR-03-09	1595	554	2414	12			863			0	3-4%	rusty mafic volcanic
TR-03-09	1588	555.5	2415	26			863			0	15-20%	rusty mafic volcanic,with semi mass py
TR-03-09	1587.5	560.5	2416	12			863			0	1-2%	rusty mafic volcanic
TR-03-09	1589	561	2417	26			863			0	3-4%	rusty mafic volcanic
TR-03-09	1581.5	560.5	2418	10			863			0	1%	rusty mafic volcanic
TR-03-09	1582.5	565	2419	19			863			0	1-2%	rusty mafic volcanic
TR-03-09	1580	565	2420	12			863			0	1%	rusty mafic volcanic
TR-03-09	1579	566	2421	2			863			1	1-2%	mafic volcanic,tuff-bx
TR-03-09	1576	556	2422	34			863			0	1%	rusty mafic volcanic
TR-03-09	1576.5	568.5	2423	28			863			0	2-3%	rusty mafic volcanic
TR-03-09	1571	566.5	2424	6			863			0	1-2%	rusty mafic volcanic
TR-03-09	1573	571	2425	41			863			0	<1%	mass green mafic volcanic
TR-03-10	1692.5	352	2382	34			862		nil	0	tr	rusty greywacke
TR-03-10	1690	352	2383	14			862		nil	0	1%	greywacke
TR-03-10	1690	355	2384	5			862		nil	0	1%	greywacke

Trench No.	Line (E)	Station (N)	Sample #	Au ppb	Chk Au ppb	Chk Au g/t	Cert. No.	Mag	Carb	% Qtz	% Py	Comments
TR-03-10	1692	355.5	2385	40			862		nil	0	1-2%	rusty greywacke
TR-03-10	1690	356.5	2386	74			862		nil	0	1%	rusty greywacke
TR-03-10	1690	358	2387	52	46		862		nil	0	<1%	greywacke-siltstone?
TR-03-10	1690.5	359.6	2388	40			862		nil	0	<1%	greywacke-siltstone?
TR-03-10	1690.5	362	2389	15			862		nil	0	tr	greywacke-siltstone?
TR-03-10	1690	364	2390	7			862		nil	0	tr	greywacke-siltstone?
TR-03-10	1692	369	2391	34			862		nil	0	<1%	greywacke
TR-03-10	1696.5	368.5	2392	86			862		nil	0	1%	greywacke
TR-03-10	1696	367.3	2393	38			862		nil	0	<1%	greywacke
TR-03-10	1700	367	2394	12			862		nil	0	<1%	greywacke
TR-03-10	1698	370	2395	38			862		nil	0	tr	greywacke
TR-03-10	1689	372	2396	10			862		nil	0	<1%	greywacke
TR-03-10	1689	378	2397	21			862		nil	0	<1%	greywacke
TR-03-10	1688	380	2398	62			862		nil	0	2-3%	greywacke
TR-03-10	1688.5	383.5	2399	62	63		862		nil	0	1%	greywacke
TR-97-19	815	610	2470	263	286		926	mod	nil	0	1-2%	1.2m channel,diabase?
TR-97-19	815	610	2471	251			926	vk-mo	wk	0	1-2%	1.2m channel,mafic volcanic?
TR-97-19	815	610	2472	1867		1.99	926	non	vk-mo	0	1-2%	1.1m channel,sil. mafic volcanic
TR-97-19	815	610	2473	41			926	wk	wk	0	tr-1%	1.1m channel,mafic volcanic
TR-97-19	815	610	2474	76			926	wk	wk	0	2-3%	1.2m channel,sil. mafic volcanic
TR-97-19	815	610	2475	76			926	wk	nil	0	1-2%	1.1m channel,mafic volcanic
TR-97-19	815	610	2476	1915		2.13	926	non	wk	0	1-3%	1.4m channel,sil. mafic volcanic
TR-97-19	815	610	2477	2089		2.23	926	non	nil	0	<1%	1.1m channel,grey porphyry
TR-97-19	815	610	2478	385			926	wk	nil	0	1-2%	1.0m channel,sil. mafic volcanic
TR-97-19	815	610	2479	662			926	wk	nil	0	1-2%	1.0m channel,sil. mafic volcanic
TR-97-19	815	610	2480	967			926	wk	nil	0	1-2%	1.0m channel,sil. mafic volcanic
TR-97-19	815	610	2481	1068		1.06	926	wk	mod	0	1%	1.0m channel,mafic volcanic
TR-97-19	815	610	2482	800	807		926	wk	wk	0	1-2%	1.0m channel,sil. mafic volcanic
TR-97-19	815	610	2483	495			926	wk	nil	0	<1%	1.0m channel,mafic volcanic
TR-97-19	815	610	2484	440			926	non	nil	0	<1%	1.0m channel,mafic volcanic

Appendix IV
Trenching and Stripping
Analytical Results
Assays Certificates

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Laboratoire Expert Inc
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Date : 2003/10/06
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **792**
Your order number :
Project : **YD Matachewan**

Number of samples: **17**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2151	41	41	
2152	40		
2153	86		
2154	316		
2155	406		
2156	1330		1.37
2157	805		
2158	956		
2159	497		
2160	872		
2161	769		
2162	2179		2.06
2163	1880		1.99
2164	1569		1.51
2165	2098		2.06
2166	234		
2167	256		

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Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2168	138	148	
2169	88		
2170	71		
2171	236		
2172	925		
2173	406		
2174	435		
2175	1008		1.03
2176	83		
2177	81		
2178	494		
2179	244		
2180	296	321	
2181	845		
2182	3387		3.50

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Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **794**
Your order number :
Project : **YD Matachewan**

Number of samples: **12**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03	Au-Dup FA-GRA g/t .03
2183	724	700		
2184	>DL		24.72	24.82
2185	571			
2186	1829		1.89	
2187	237			
2188	483			
2189	272			
2190	965			
2191	708			
2192	1218		1.17	
2193	2012		2.06	
2194	1173		1.10	

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Client :	**Young-Davidson Mines Ltd**		
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Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2195	217	215	
2196	550		
2197	771		
2198	1020		1.06
2199	373		
2200	447		
2201	303		
2202	707		
2203	339		
2204	335		

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Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2205	306	292	
2206	3443		3.33
2207	846		
2208	1142		1.10
2209	1687		1.82
2210	284		
2211	177		
2212	29		
2213	10		
2214	5		
2215	<2		
2216	2		
2217	9	9	

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Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2218	2	3
2219	10	
2220	10	
2221	2	
2222	9	
2223	7	
2224	7	
2225	14	
2226	5	
2227	24	
2228	127	
2229	132	

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Folder : **829**
Your order number :
Project : **YD Matachewan**

Number of samples: **11**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2230	26	24
2231	31	
2232	17	
2233	17	
2234	28	
2235	40	
2236	5	
2237	95	
2238	10	
2239	19	
2240	3	

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Folder : **830**
Your order number :
Project : **YD Matachewan**

Number of samples: **13**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2241	1142		1.13
2242	24		
2243	430		
2244	640		
2245	4207		4.35
2246	841		
2247	332		
2248	1017		1.03
2249	1099		1.10
2250	2405		2.57
2251	1022		1.10
2252	2272		2.40
2253	795	788	

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Designation	Au FA-GEO ppb 2	Au FA-GRA g/t .03
2254	1018	1.03
2255	987	
2256	1108	1.10
2257	4460	4.80
2258	1333	1.27
2259	1680	1.75
2260	1995	2.06
2261	1250	1.10
2262	418	
2263	193	
2264	4047	3.91
2265	2413	2.57
2266	1976	2.06
2267	2291	2.40

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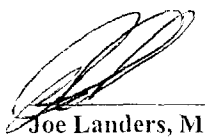
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **832**
Your order number :
Project : **YD Matachewan**

Number of samples: **12**

Designation	Au FA-GEO ppb 2	Au FA-GRA g/t .03
2268	3156	3.19
2269	1233	1.10
2270	1825	1.92
2271	896	
2272	762	
2273	1273	1.10
2274	335	
2275	233	
2276	1407	1.51
2277	1429	1.47
2278	2178	2.26
2279	1376	1.34



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Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2280	43	41
2281	315	
2282	19	
2283	12	
2284	15	
2285	31	
2286	6	
2287	3	
2288	6	
2289	31	
2290	600	

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	Canada	P2N 3H7	Fax.:	(705) 567-6873	Number of samples: **11**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2291	43	38	
2292	17		
2293	12		
2294	9		
2295	29		
2296	206		
2297	3		
2298	100		
2299	5		
2300	2546		2.67
2301	40		

Joe Landers, Manager

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Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **835** Your order number : Project : **YD Matachewan** Number of samples: **10**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2302	89	81
2303	12	
2304	255	
2305	588	
2306	28	
2307	41	
2308	117	
2309	43	
2310	112	
2311	26	

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis **

Date : 2003/10/09
Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Tel.: (705) 567-4511 Canada P2N 3H7 Fax.: (705) 567-6873	Folder : **836** Your order number : Project : **YD Matachewan** Number of samples: **10**	

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2312	13	10
2313	8	
2314	88	
2315	203	
2316	69	
2317	76	
2318	167	
2319	28	
2320	660	
2321	22	

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***:

Date : 2003/10/09
Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **837** Your order number : Project : **YD Matachewan** Number of samples: **10**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03
2322	48	50	
2323	65		
2324	1347		1.47
2325	889		
2326	55		
2327	261		
2328	141		
2329	1407		1.34
2330	372		
2331	299		

Joe Landers, Manager

Laboratoire Expert Inc
127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Date : 2003/10/09
Page : 1 of 1

Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **838**
Your order number :
Project : **YD Matachewan**

Number of samples: **10**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2332	425	431
2333	22	
2334	33	
2335	29	
2336	38	
2337	<2	
2338	3	
2339	3	
2340	31	
2341	14	

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Date : 2003/10/09
Page : 1 of 1

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **839** Your order number : Project : **YD Matachewan** Number of samples: **9**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2342	<2	<2
2343	5	
2344	346	
2345	72	
2346	31	
2347	21	
2348	77	
2349	24	
2350	28	

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Date : 2003/10/15
Page : 1 of 3

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Tel.: (705) 567-4511 Canada P2N 3H7 Fax.: (705) 567-6873	Folder : **862** Your order number : Project : **YD Matachewan** Number of samples: 61	

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2351	179	199
2352	108	
2353	244	
2354	41	
2355	26	
2356	6	
2357	40	
2358	193	
2359	21	
2360	614	
2361	294	
2362	21	
2363	86	81
2364	7	
2365	14	
2366	14	
2367	193	
2368	186	
2369	96	
2370	64	
2371	86	
2372	62	
2373	29	
2374	19	
2375	19	21
2376	52	

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Client : **Young-Davidson Mines Ltd**	
Addressee : **Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Tel.: (705) 567-4511 Canada P2N 3H7 Fax.: (705) 567-6873	Folder : **862** Your order number : Project : **YD Matachewan** Number of samples: **61**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2377	3	
2378	3	
2379	5	
2380	243	
2381	175	
2382	34	
2383	14	
2384	5	
2385	40	
2386	74	
2387	52	46
2388	40	
2389	15	
2390	7	
2391	34	
2392	86	
2393	38	
2394	12	
2395	38	
2396	10	
2397	21	
2398	62	
2399	62	63
2400	26	
2401	8	
2402	298	

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Date : 2003/10/15
Page : 3 of 3

Client :	**Young-Davidson Mines Ltd**				
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada	P2N 3H7	Tel.: Fax.:	(705) 567-4511 (705) 567-6873	Folder : **862** Your order number : Project : **YD Matachewan** Number of samples: **61**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2
2403	12	
2404	19	
2405	29	
2406	33	
2407	74	
2408	55	
2409	19	
2410	53	
2411	26	21

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Date : 2003/10/21
Page : 1 of 3

Client : **Young-Davidson Mines Ltd**

Addressee : **Kirnova Corporation**
21 Goodfish Road
P.O. Box 186
Kirkland Lake
Ontario Tel.: (705) 567-4511
Canada P2N 3H7 Fax.: (705) 567-6873

Folder : **926**
Your order number :
Project : ***YD Matachewan***

Number of samples: **53**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03	Au-Dup FA-GRA g/t .03
2470	263	286		
2471	251			
2472	1867		1.99	
2473	41			
2474	76			
2475	76			
2476	1915		2.13	
2477	2089		2.23	
2478	385			
2479	662			
2480	967			
2481	1068		1.06	
2482	800	807		
2483	495			
2484	440			
8861	40			
8862	28			
8863	38			
8864	110			
8865	977			
8866	402			
8867	2991		3.02	
8868	494			
8869	994			
8870	2162		2.13	
8871	246			

Joe Landers, Manager

Laboratoire Expert Inc

127, Boulevard Industriel
Rouyn-Noranda, QC, J9X 6P2
Tel.: (819) 762-7100 Fax.: (819) 762-7510

*** Certificate of analysis ***

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Tel.: (705) 567-4511 Canada P2N 3H7 Fax.: (705) 567-6873	Folder : **926** Your order number : Project : **YD Matachewan** Number of samples: **53**	

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03	Au-Dup FA-GRA g/t .03
8872	198			
8873	244			
8874	1689		1.89	
8875	50			
8876	3006		3.26	
8877	299			
8878	2109		2.09	
8879	114			
8880	2410		2.50	
8881	69			
8882	24	25		
8883	781			
8884	237			
8885	299			
8886	117			
8887	363			
8888	138			
8889	153			
8890	743			
8891	550			
8892	40			
8893	86			
8894	>DL		11.93	12.10
8895	607			
8896	848			
8897	57			

Joe Landers, Manager

Laboratoire Expert Inc

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Rouyn-Noranda, QC, J9X 6P2
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*** Certificate of analysis ***

Client :	**Young-Davidson Mines Ltd**		
Addressee :	**Kirnova Corporation** 21 Goodfish Road P.O. Box 186 Kirkland Lake Ontario Canada P2N 3H7	Tel.: (705) 567-4511 Fax.: (705) 567-6873	Folder : **926** Your order number : Project : **YD Matachewan** Number of samples: **53**

Designation	Au FA-GEO ppb 2	Au-Dup FA-GEO ppb 2	Au FA-GRA g/t .03	Au-Dup FA-GRA g/t .03
8898	2272		2.43	

Joe Landers, Manager

Appendix V
Summary of Historical and 2003
Diamond Drilling Results

R.V Zalnieriunas Consulting
Box 214, Larder Lake, ON, P0K 1L0
Tel.: (705) 643-2258 Email: zal@nt.net

MATACHEWAN GOLD PROJECT
OKA GRID
COMPUTED AVERAGE GOLD GRADES

Hole Number	Zone	From (m)	To (m)	Drilled Width	Core Angle	Horizontal Width (m)	Py%	Weighted Avg. Au (g/t)
OK03-01	1	6.00	7.50	1.50	44	1.04	-	1.470
OK03-01	2	13.50	26.00	12.50	44	8.68	-	2.523
OK03-02	1	8.50	19.10	10.60	47	7.75	-	1.530
OK03-03	1	5.00	6.50	1.50	45	1.06	2.5	1.510
OK03-03	2	9.50	13.17	3.67	46	2.64	1.3	1.133
OK03-03	3	18.62	25.15	6.53	46	4.70	10.4	2.048
OK03-04	1	23.00	25.00	2.00	46	1.44	5.9	1.456
OK03-04	2	27.36	28.50	1.14	46	0.82	9.0	1.470
OK03-05	1	22.00	30.45	8.45	44	5.87	4.4	1.179
OK03-06	1	30.00	36.00	6.00	44	4.17	7.2	2.141
OK03-07	1	3.50	4.36	0.86	44	0.60	4.0	1.610
OK03-07	2	10.95	13.50	2.55	45	1.80	7.5	1.866
OK03-07	3	45.65	46.50	0.85	45	0.60	4.0	2.400
OK03-08	1	8.00	9.50	1.50	45	1.06	3.5	5.620
OK03-08	2	41.04	42.50	1.46	49	1.10	9.5	1.340
OK03-08	3	45.50	48.50	3.00	49	2.26	11.8	1.617
OK03-09	1	49.25	54.00	4.75	46	3.42	7.3	2.313
OK03-09	2	58.50	62.50	4.00	46	2.88	3.5	1.935
OK03-09	3	94.00	95.50	1.50	46	1.08	0.5	1.540
OK03-11	1	1.50	3.00	1.50	50	1.15	1.5	1.370
OK03-11	2	27.76	31.50	3.74	49	2.82	12.8	3.256
OK03-12	1	9.50	12.50	3.00	50	2.30	3.0	1.680
OK03-12	2	18.31	27.82	9.51	50	7.29	11.3	1.590
OK03-13	1	13.00	14.50	1.50	45	1.06	0.1	1.990
OK03-13	2	19.36	19.89	0.53	46	0.38	2.5	1.230
OK03-13	3	26.00	27.68	1.68	46	1.21	12.1	11.748
OK03-14	1	3.00	5.00	2.00	51	1.55	7.5	2.451
OK03-14	2	8.00	12.41	4.41	51	3.43	7.5	1.673
OK03-15	1	13.50	17.00	3.50	47	2.56	8.3	7.915
OK03-15	2	19.50	24.20	4.70	47	3.44	6.7	1.353
OK03-16	1	62.44	64.00	1.56	45	1.10	8.0	1.470
OK03-16	2	84.50	90.61	6.11	45	4.32	8.2	1.627
OK03-16	3	101.00	102.00	1.00	45	0.71	2.5	1.100
OK03-17	1	85.50	89.98	4.48	45	3.17	8.2	1.541
OK03-17	2	120.00	121.50	1.50	45	1.06	1.5	2.060
OK03-17	3	125.50	126.66	1.16	44	0.81	1.5	1.060
OK03-18	1	42.42	49.92	7.50	45	5.30	5.1	2.063
OK03-20	1	58.00	59.54	1.54	47	1.13	3.5	1.890
OK03-21	1	2.00	6.00	4.00	45	2.83	3.8	2.346
OK03-21	2	15.00	16.50	1.50	45	1.06	4.0	1.030
OK03-21	3	18.00	19.00	1.00	46	0.72	1.5	1.170
OK03-21	4	48.00	49.50	1.50	47	1.10	11.0	1.030
OK03-21	5	84.00	85.42	1.42	49	1.07	13.5	1.100
OK03-21	6	114.89	116.69	1.80	51	1.40	8.4	2.243
OK03-22	1	93.50	94.64	1.14	50	0.87	3.0	2.470
OK03-22	2	109.50	111.00	1.50	50	1.15	1.0	1.710

Assumed dip 90
strike 078Grid
or 050True

MATACHEWAN GOLD PROJECT
OKA GRID
COMPUTED AVERAGE GOLD GRADES

Hole Number	Zone	From (m)	To (m)	Drilled Width	Core Angle	Horizontal Width (m)	Py%	Weighted Avg. Au (g/t)
OK03-23	1	12.00	13.00	1.00	45	0.71	4.0	2.400
OK03-23	2	94.65	96.00	1.35	49	1.02	2.5	2.130
OK03-25	1	98.00	99.50	1.50	29	0.73	3.5	1.100
OK03-25	2	130.00	131.75	1.75	29	0.85	2.5	1.340
OK03-25	3	163.00	164.50	1.50	30	0.75	1.5	7.990
OK03-25	4	193.00	194.83	1.83	30	0.92	6.5	1.100
OK03-25	5	213.00	214.50	1.50	31	0.77	2.5	1.130
OK03-25	6	249.00	249.92	0.92	32	0.49	6.0	1.820
OK03-26	1	11.00	15.50	4.50	40	2.89	2.2	4.578
OK03-26	2	33.00	34.50	1.50	44	1.04	4.0	1.170
OK03-27	1	40.00	41.50	1.50	47	1.10	2.5	1.100
OK03-27	2	56.50	66.66	10.16	48	7.55	6.6	3.231
OK03-27	3	112.54	114.00	1.46	48	1.08	2.5	1.030
OK03-27	4	117.00	118.50	1.50	49	1.13	1.5	1.100
OK03-29	1	27.00	28.50	1.50	47	1.10	1.5	1.030
OK03-29	2	47.00	48.50	1.50	47	1.10	2.5	1.890
OK03-29	3	60.05	60.74	0.69	48	0.51	7.5	1.370
OK03-29	4	63.50	64.93	1.43	48	1.06	16.5	1.850
OK03-29	5	84.00	84.66	0.66	48	0.49	7.0	2.060
OK03-30	1	65.60	70.50	4.90	48	3.64	18.3	1.696
OK03-30	2	74.36	78.00	3.64	48	2.71	5.3	2.513
OK03-30	3	81.00	82.50	1.50	48	1.11	2.5	2.190
OK03-31	1	8.00	11.00	3.00	43	2.05	1.5	3.050
OK03-31	2	78.00	79.50	1.50	43	1.02	4.0	4.970
OK03-31	3	85.50	88.50	3.00	43	2.05	7.5	1.490
OK03-32	1	40.48	41.31	0.83	49	0.63	7.5	1.540
OK03-32	2	72.69	74.00	1.31	50	1.00	6.0	1.100
OK03-33	1	100.00	101.00	1.00	38	0.62	0.0	1.000
OK03-34	1	9.15	9.82	0.67	46	0.48	3.0	4.320
OK03-34	2	26.25	27.50	1.25	48	0.93	3.0	1.370
OK03-34	3	41.00	42.50	1.50	48	1.11	1.0	5.900
OK03-34	4	68.00	69.50	1.50	49	1.13	1.5	5.450
OK03-34	5	75.50	81.50	6.00	49	4.53	1.3	3.969
SO96-01	1	42.67	44.20	1.52	44	1.06	-	1.257
SO96-04	1	44.00	49.00	5.00	31	2.58	-	1.674
SO96-04	2	56.00	58.00	2.00	31	1.03	-	1.680
SO96-04	3	62.00	63.00	1.00	33	0.54	-	2.470
SO96-04	4	203.00	204.00	1.00	35	0.57	-	1.610
SO96-04	5	208.00	214.00	6.00	35	3.44	-	5.726
SO96-04	6	220.00	221.00	1.00	35	0.57	-	1.470
SO96-04	7	231.00	232.00	1.00	35	0.57	-	2.980
SO96-04	8	239.00	244.00	5.00	35	2.87	-	1.920
SO96-04	9	269.00	270.00	1.00	36	0.59	-	6.240
SO96-04	10	282.00	283.00	1.00	36	0.59	-	6.210
SO96-05	1	26.00	27.00	1.00	45	0.71	-	2.880
SO96-05	2	42.00	43.00	1.00	45	0.71	-	1.710

Assumed dip 90
strike 078Grid
or 050True

MATACHEWAN GOLD PROJECT
OKA GRID
COMPUTED AVERAGE GOLD GRADES

Hole Number	Zone	From (m)	To (m)	Drilled Width	Core Angle	Horizontal Width (m)	Py%	Weighted Avg. Au (g/t)
SO96-05	3	249.00	256.00	7.00	47	5.12	-	1.178
SO96-07	1	189.00	190.00	1.00	30	0.50	-	1.934
SO98-11	1	48.00	55.50	7.50	45	5.30	2.4	1.159
SO98-11	2	59.90	72.00	12.10	45	8.56	5.9	1.773
SO98-11	3	81.00	82.00	1.00	45	0.71	4.0	1.070
SO98-11	4	86.00	87.00	1.00	45	0.71	4.0	1.370
SO98-11	5	92.00	93.00	1.00	45	0.71	2.0	1.700
SO98-11	6	96.00	97.00	1.00	45	0.71	2.5	1.420
SO98-13	1	9.00	10.00	1.00	45	0.71	8.5	1.620
SO98-13	2	19.00	20.00	1.00	45	0.71	7.5	5.357
SO98-13	3	24.00	25.00	1.00	45	0.71	7.5	1.235
SO98-13	4	27.00	28.00	1.00	46	0.72	7.5	1.645
SO98-13	5	40.00	46.00	6.00	46	4.32	7.5	1.492
SO98-13	6	51.50	53.50	2.00	46	1.44	7.8	1.378
SO98-13	7	60.50	65.35	4.85	46	3.49	6.7	4.869
SO98-14	1	13.00	16.00	3.00	46	2.16	2.0	1.291
SO98-14	2	21.00	26.50	5.50	46	3.96	1.6	1.769
SO98-14	3	41.50	42.50	1.00	47	0.73	6.0	1.145
SO98-14	4	76.50	78.50	2.00	47	1.46	4.0	2.185
SO98-15	1	6.00	14.00	8.00	44	5.56	5.6	1.484
SO98-15	2	17.00	18.00	1.00	44	0.69	6.0	22.273
SO98-15	3	27.00	28.00	1.00	45	0.71	4.0	1.370
SO98-15	4	34.00	35.00	1.00	45	0.71	6.0	1.030
SO98-15	5	43.00	44.00	1.00	45	0.71	6.0	1.300
SO98-15	6	75.00	77.00	2.00	45	1.41	2.0	1.877
SO98-15	7	83.00	87.00	4.00	45	2.83	6.0	3.342
SO98-15	8	90.00	91.00	1.00	46	0.72	6.0	2.930
SO98-15	9	96.50	97.90	1.40	46	1.01	0.0	1.540
SO98-16	1	5.00	6.00	1.00	46	0.72	6.0	1.030
SO98-16	2	8.00	9.00	1.00	45	0.71	6.0	1.120
SO98-16	3	39.00	40.00	1.00	47	0.73	2.0	1.230
SO98-16	4	70.00	71.00	1.00	47	0.73	6.0	1.570
SO98-16	5	75.00	76.00	1.00	47	0.73	6.0	1.230
SO98-17	1	84.00	85.00	1.00	45	0.71	2.0	1.165
SO98-17	2	87.00	88.00	1.00	45	0.71	2.0	1.130
SO98-17	3	93.00	94.00	1.00	46	0.72	4.0	1.300
SO98-17	4	130.00	137.00	7.00	46	5.04	2.0	2.011
SO98-17	5	172.00	173.00	1.00	46	0.72	4.0	1.510

Assumed dip 90
strike 078Grid
or 050True

Appendix VI
Statement of Qualifications

R.V Zalnieriunas Consulting
Box 214, Larder Lake, ON, P0K 1L0
Tel.: (705) 643-2258 Email: zal@nt.net

CERTIFICATE OF SENIOR AUTHOR

I, R. V. Zalnieriunas, P.Geo., do hereby certify that:

I am the sole proprietor of: R. V. Zalnieriunas Consulting,
Box 214,
Larder Lake, Ontario, Canada
P0K 1L0

I graduated with a B.Sc. (Hon.) degree in geology from Queen's University of Kingston, Ontario in 1978.

I am a member of the Association of Professional Geoscientists of Ontario (APGO), L'ordre des Géologues du Québec (OGQ), and the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

I have worked as a geologist for a total of *+25* years since my graduation from university.

I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

I am responsible for the preparation of *all* of the technical section of this assessment report.

I have read National Instrument 43-101 and Form 43-101F1,

Dated this 11 day of August, 2004

x _____
R.V. Zalnieriunas, P.Geo.

PROFESSIONAL GEOSCIENTIST
R. V. ZALNIERIUNAS
PRACTISING MEMBER
0391
ONTARIO

_____
[Seal or Stamp of Signature of Qualified Person]

[Qualified Person]
R.V. Zalnieriunas, P.Geo.

ONTARIO

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

Work Report Summary

Transaction No: W0480.01293 **Status:** APPROVED
Recording Date: 2004-AUG-12 **Work Done from:** 2003-JUL-01
Approval Date: 2004-AUG-24 **to:** 2003-OCT-26

Client(s):

101512 ALCANEX LTD.
152022 KIERNICKI, FRED STAN
177382 OBRADOVICH, THOMAS JOHN
210971 YOUNG-DAVIDSON MINES, LIMITED
392527 CANADIAN ROYALTIES INC.

41P15NE2025 2.28287 CAIRO

900

Survey Type(s):

ASSAY GEOL LC PROSP
PSTRIP

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
L 1199662	$5,795	$5,795	$0	$0	$0	0	$5,795	$5,795	2005-AUG-26
L 1199663	$4,406	$4,406	$0	$0	$0	0	$4,406	$4,406	2005-AUG-26
L 1199664	$2,665	$2,665	$0	$0	$0	0	$2,665	$2,665	2005-AUG-26
L 1206147	$556	$556	$0	$0	$0	0	$556	$556	2005-APR-04
L 1206148	$1,364	$1,364	$0	$0	$0	0	$1,364	$1,364	2005-APR-04
L 1206150	$496	$496	$0	$0	$0	0	$496	$496	2005-APR-04
L 1213838	$5,846	$5,846	$0	$0	$0	0	$5,846	$5,846	2007-MAY-27
L 1223270	$2,472	$2,472	$0	$0	$0	0	$2,472	$2,472	2005-MAY-17
L 1223271	$1,320	$1,320	$0	$0	$0	0	$1,320	$1,320	2005-APR-10
L 1223281	$370	$370	$0	$0	$0	0	$370	$370	2005-MAY-17
L 1223283	$272	$272	$0	$0	$0	0	$272	$272	2005-APR-10
L 1223284	$817	$817	$0	$0	$0	0	$817	$817	2005-APR-10
L 1223285	$421	$421	$0	$0	$0	0	$421	$421	2005-APR-10
L 1223286	$1,970	$1,970	$0	$0	$0	0	$1,970	$1,970	2005-APR-10
L 1223287	$2,852	$2,852	$0	$0	$0	0	$2,852	$2,852	2005-APR-10
L 1223288	$276	$276	$0	$0	$0	0	$276	$276	2005-APR-10
L 1224878	$79	$79	$0	$0	$0	0	$79	$79	2005-APR-10
L 1248827	$21,292	$21,292	$0	$0	$0	0	$21,292	$21,292	2009-JUN-07
L 1248828	$2,375	$2,375	$0	$0	$0	0	$2,375	$2,375	2009-JUN-07
L 1248829	$4,178	$4,178	$0	$0	$0	0	$4,178	$4,178	2009-JUN-05
L 3004550	$2,513	$2,513	$0	$0	$0	0	$2,513	$2,513	2005-SEP-16
L 3004551	$16,438	$16,438	$0	$0	$0	0	$16,438	$16,438	2005-SEP-18
L 3009961	$651	$651	$0	$0	$0	0	$651	$651	2005-SEP-20
	$79,424	$79,424	$0	$0	$0	$0	$79,424	$79,424	

External Credits: $0

Reserve:

$79,424 Reserve of Work Report#: W0480.01293

$79,424 Total Remaining

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2004-AUG-25

YOUNG-DAVIDSON MINES, LIMITED
605 - 80 RICHMOND STREET WEST
TORONTO, ONTARIO
M5H 2S9 CANADA

Submission Number: 2.28287
Transaction Number(s): W0480.01293

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

An excellent report accompanies this submission.

If you have any question regarding this correspondence, please contact BRUCE GATES by email at bruce.gates@ndm.gov.on.ca or by phone at (705) 670-5856.

Yours Sincerely,

Ron C Gashinski

Ron.C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Alcanex Ltd.
(Claim Holder)

Thomas John Obradovich
(Claim Holder)

Young-Davidson Mines, Limited
(Assessment Office)

Assessment File Library

Fred Stan Kiernicki
(Claim Holder)

Young-Davidson Mines, Limited
(Claim Holder)

Canadian Royalties Inc.
(Claim Holder)

ONTARIO CANADA — MINISTRY OF NORTHERN DEVELOPMENT AND MINES — PROVINCIAL MINING RECORDER'S OFFICE

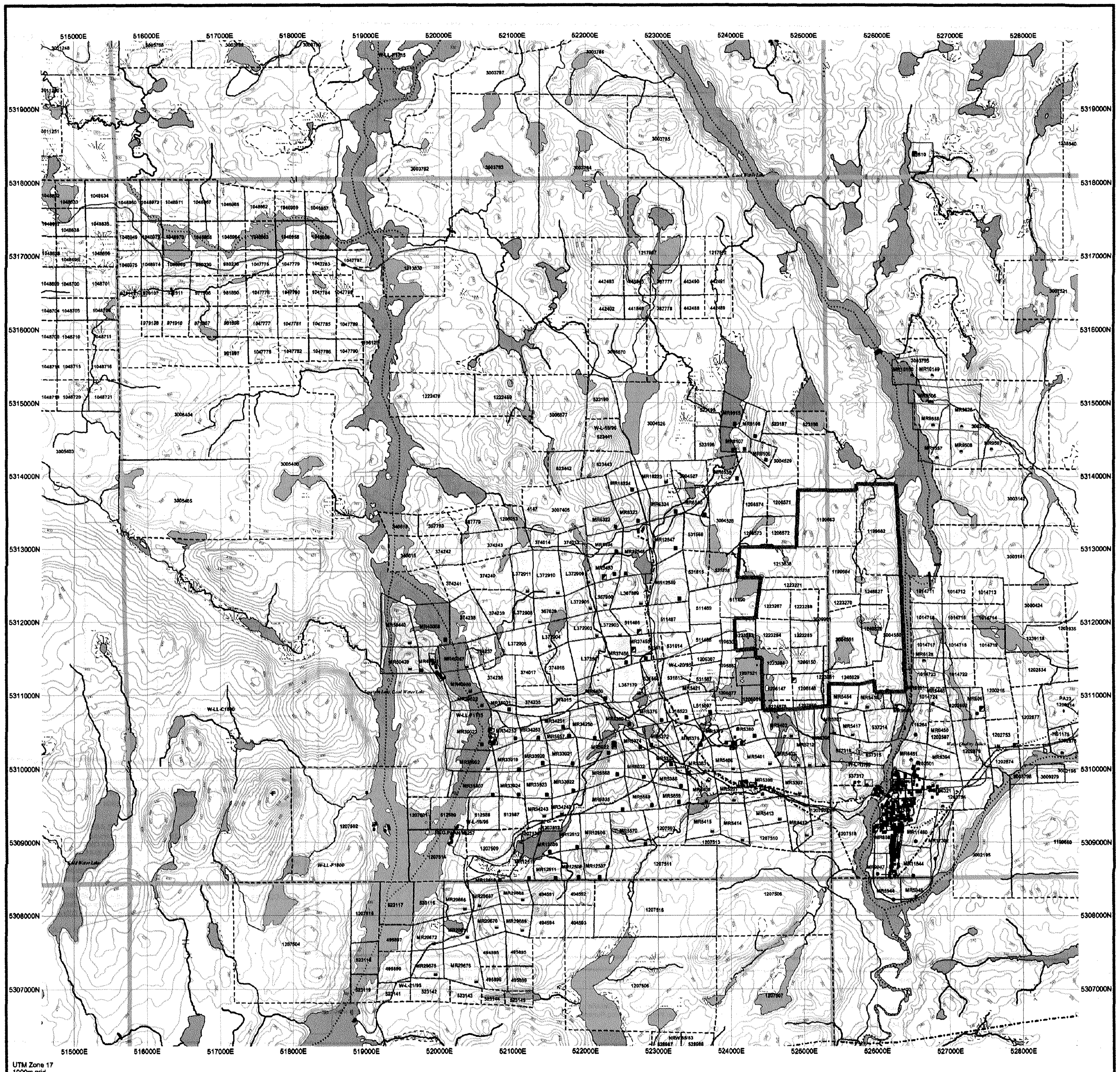
Mining Land Tenure Map

Date / Time of Issue: Wed Aug 25 11:35:18 EDT 2004

TOWNSHIP / AREA	PLAN
POWELL	G-3218

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Larder Lake
Land Titles/Registry Division	TIMISKAMING
Ministry of Natural Resources District	KIRKLAND LAKE



TOPOGRAPHIC

Land Tenure

LAND TENURE WITHDRAWALS

IMPORTANT NOTICES

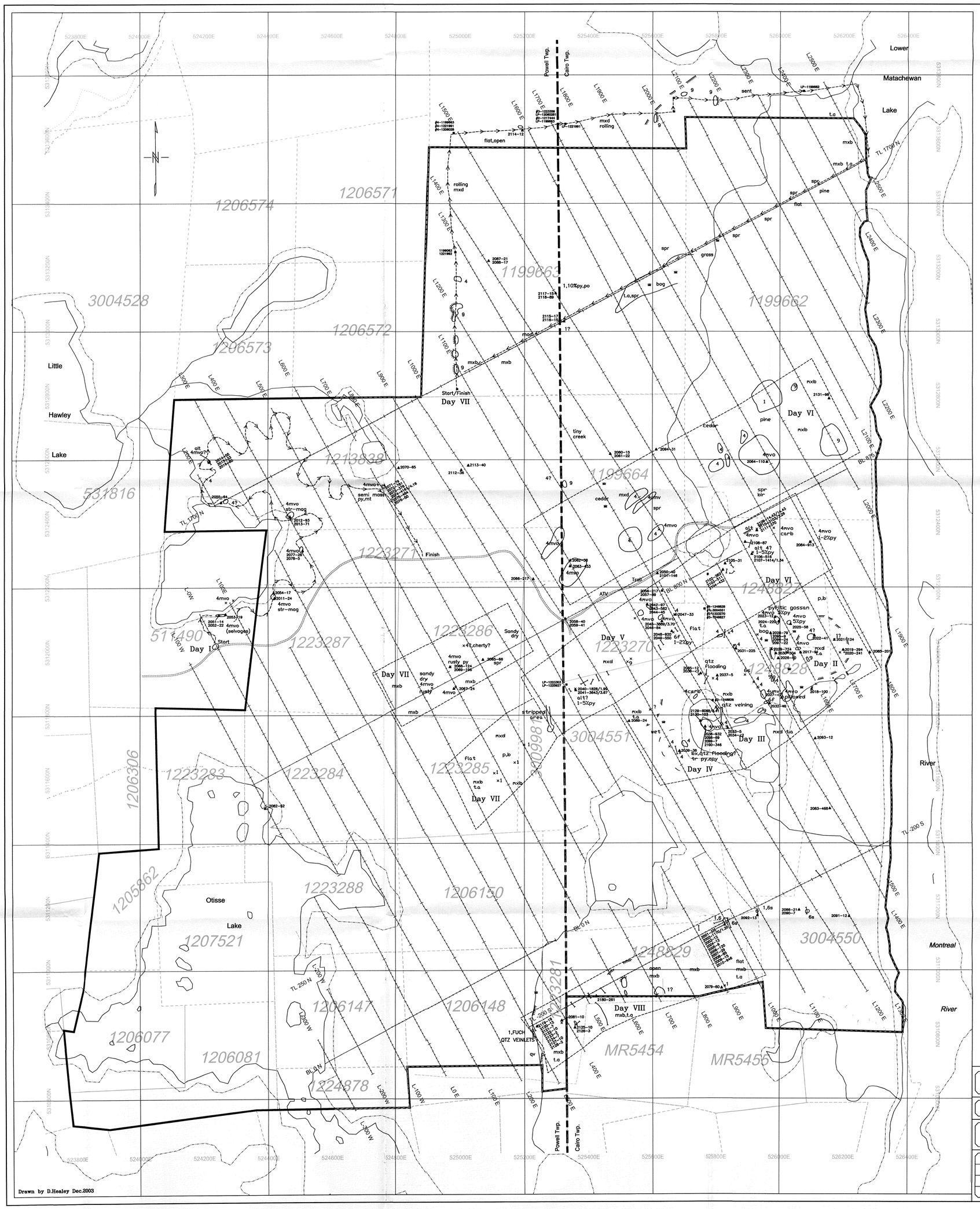
Scale 1:20000

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
4027	Wsm	Jan 1, 2001	FLOODING ELEVATION: 870 FILE: 12290 V.2 L.O.7601
4147	Wsm	Jan 1, 2001	FLOODING ELEVATION: 870 FILE: 12290 VOL.2 L.O. 7601
4238	Wsm	Jan 1, 2001	L.O.7601 COVERS FLOODING RIGHTS IN THIS TOWNSHIP TO BELOW CONTOUR 870 FT FOR ONTARIO HYDRO FILE 12290 V.2
4244	Wsm	Jan 1, 2001	400 FT SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES & RIVERS
NRW 65/83	Wsm	Jan 1, 2001	MINING AND SURFACE RIGHTS WITHDRAWN ORDER NO.W-L-22/95 DATED MARCH 30,1995, PREVIOUSLY WITHDRAWN UNDER ORDER #NRW 65/83
W-L-17/95	Wsm	Mar 30, 1995	MINING AND SURFACE RIGHTS WITHDRAWN ORDER NO. W-L-17/95 DATED MARCH 30, 1995. PREVIOUSLY WITHDRAWN UNDER ORDER NWR 65/83.
W-L-18/95	Wsm	Mar 30, 1995	W-L-18/95 MAR 30/95 M&S
W-L-19/95	Wsm	Mar 30, 1995	W-L-19/95 MAR 30/95 M&S
W-L-20/95	Wsm	Mar 30, 1995	W-L-20/95 MAR 30/95 M&S
W-L-21/95	Wsm	Mar 28, 1995	MINING AND SURFACE RIGHTS WITHDRAWN ORDER NO.W-L-21/95 DATED MARCH 30,1995
W-L-21/95	Wsm	Mar 30, 1995	MINING AND SURFACE RIGHTS WITHDRAWN ORDER NO.W-L-21/95 DATED MARCH 30,1995
W-LL-C1600	Wsm	Feb 12, 2002	<a href=" http://www.mndm.gov.on.ca/mndm/mines/lands/livlog/boreast/2002orders/wlc1600-02_e.asp "> W-LL-C1600-02 ONT M&S withdrawal S.35 Mining Act RSO 1990, 12/02/02 Boundary generally depicts area withdrawn Click to view actual area withdrawn <a/>
W-LL-C1602	Wsm	Feb 1, 2004	<a href="http://www.mndm.gov.on.ca/mndm/mines/lands/livlog/boreast/2004orders/feb/withdrawals/wc1602-04_e.asp">W-LL-C1602 ONT M&S withdrawal S.35 Mining Act RSO 1990, 01/02/04 Boundary generally depicts area withdrawn Click to view actual area <a/>
W-LL-F1600	Wsm	Feb 13, 2002	<a href=" http://www.mndm.gov.on.ca/MNDM/MINES/LANDS/livlog/boreast/2002orders/wlf1600-02.htm "> W-LL-F1600-02 ONT M&S withdrawal S.35 Mining Act RSO 1990, 12/02/02 Boundary generally depicts area withdrawn Click to view actual area withdrawn <a/>
W-LL-F1715	Wsm	Feb 12, 2002	<a href=" http://www.mndm.gov.on.ca/MNDM/MINES/LANDS/livlog/boreast/2002orders/wlf1715-02.htm "> W-LL-F1715-02 ONT M&S withdrawal S.35 Mining Act RSO 1990, 12/02/02 Boundary generally depicts area withdrawn Click to view actual area withdrawn <a/>.
W-LL-F1715	Wsm	Feb 12, 2002	<a href=" http://www.mndm.gov.on.ca/mndm/mines/lands/livlog/boreast/2002orders/wlf1715-02_e.asp "> W-LL-F1715-02 ONT M&S withdrawal S.35 Mining Act RSO 1990, 12/02/02 Boundary generally depicts area withdrawn Click to view actual area withdrawn <a/>.
W-LL-F1715	Wsm	Feb 12, 2002	<a href=" http://www.mndm.gov.on.ca/mndm/mines/lands/livlog/boreast/2002orders/wlf1715-02_e.asp"> W-LL-F1715-02 ONT M&S withdrawal S.35 Mining Act RSO 1990, 12/02/02 Boundary generally depicts area withdrawn Click to view actual area withdrawn <a/>.
W-LL-P1715	Wsm	Feb 12, 2002	<a href=" http://www.mndm.gov.on.ca/MNDM/MINES/LANDS/livlog/boreast/2002orders/wlp1715-02.htm "> W-LL-P1715-02 ONT M&S withdrawal S.35 Mining Act RSO 1990, 12/02/02 Boundary generally depicts area withdrawn Click to view actual area withdrawn <a/>

General Information and Limitations

2.28287
ASSAY
PSTRIP
GEOL
PROSP



GEOLOGICAL LEGEND

9	diabase
6	felsic feldspath porphyre
6a, 6f	syenite, feldspar porphyry
4mvo	mafic volcanic
4umv	ultramafic volcanic
1	sediment
cpy	chalcopyrite
py	pyrite
mt	magnetite
fuch	fuchsite

VEGETATION

bir	Birch
c	cedar
spr	Spruce
Po	Poplar
p	pine
t.a	tag alders
mxb	mixed

SYMBOLS

- Trench
- Outcrop (large, small)
- Swamp
- Positive topographic feature
- Day limit
- Line prospect
- Road / trail

SAMPLE LOCATION
SAMPLE NUMBER
2165–2098/2.06
ASSAY VALUE PPB Au
ASSAY CHECK Au ppb, if >1000 ppb Au
ASSAY IN GRAMS/TON Au

PROPERTY OUTLINE (as per current MNDM data)

PERSONNEL: D.R. HEALEY (prospector's lic. A49500)
D. VACHON

DATES: August 20 – 29, 2003

PROFESSIONAL GEOSCIENTIST
R. V. ZALNIERIUNAS
PRACTISING MEMBER
0391
ONTARIO

Coordinate : UTM Nad 27, Zone 17

Young–Davidson Mines, Limited

OKA PROJECT

2003 PROSPECTING LITHOGEOCHEMICAL TRAVERSES

NTS	41P/15	Interpreted by R.V. Zalnieriunas	Date Dec. 03
Township	Powell and Cairo	Executed by D.R. Healey	Date August 03
Scale	1 : 5000	Drawing by GESCAD Inc.	Date Dec. 03
	0 50 100 150 m	plan #: OKA0002.DWG	

Drawn by D.Healey Dec.2003

2.28287

41P15NE2025 2.28287 CAIRO 210

GEOLOGICAL LEGEND

(2) Overburden, Casing, lost core etc.

PHANEROZOIC

PRECAMBRIAN

PROTEROZOIC

(Ndia) Nipissing Diabase

(8) HURONIAN SEDIMENTS (PSED)
- m–mudstone
- a–arkose
- w–greywacke
- c–conglomerate

(5) Matachewan Diabase (Dia)

ARCHEAN

MINERALIZED / ALTERED ZONE
- (3) Grey Carb / Qtz–breccia
- (3fuch) Green Carb.
- (10) Barite Vein

INTRUSIVES

(6) LATE GREY INTRUSIVES
- (6grn) Granite
- (6ctz) Contact Zone
- (6fsp) Feldspar Porphyry
- (6syn) Syenite

ALKALIC INTRUSIVES

(9) Lamprophyre

(7) ALKALIC INTRUSIVES (Red & Brown Mine Series)
- (7ctz) Contact Zone
- (7qfp) Quartz–Feldspar Porphyry
- (7syp) Trachy Syenite Porphyry
- (7syn) Syenite
- (7fpp) Feldspar porphyry

STRUCTURAL MINE AREA FOOTWALL

(1) TEMISKAMING SEDIMENTS (Tsed)
- m–mudstone
- a–arkose
- w–greywacke
- c–conglomerate

STRUCTURAL MINE AREA HANGING WALL

SEDIMENTS

(11) Iron Formation (oxide & sulf.)

(4) GREENSTONE

(4gab) Intrusive Gabbro

(4sed) Interflow Sediments (ifs)
- (4ms) Massive Sulfides
- (4cht) Chert
- (4lsed) Turbidites
  - m–mudstone
  - a–arkose
  - w–greywacke
  - c–conglomerate
  - pc–pebble conglomerate

Mafic to Ultramafic Sediments
- (4msed) mafic sediments / re–worked tuffs
- (4ums) ultramafic conglomeritic sediment

SCHISTS
- (4cls) chlorite
- (4ses) sericite
- (4tcs) talc–chlorite

METAVOLCANICS
- (4tuf) Tuff unsubdivided
- (4fvo) felsic
- (4ivo) intermediate
- (4mvo) mafic
- (4umv) ultramafic

Volcanic Modifiers
- b – breccia
- fb – flow top breccia
- pb – pillow breccia
- p – pillowed
- m – massive
- t – tuffaceous
- v – variolitic

MINERALIZATION:
- asp – arsenopyrite
- cp – chalcopyrite
- gn – galena
- hem – hematite
- mag – magnetite
- mo – molybdenite
- po – pyrrhotite
- py – pyrite
- sp – sphalerite
- spec – specularite
- VG – gold

GANGUE
- amp – amphibole
- ba – barite
- bio – biotite
- carb – carbonate
  - ank – ankerite
  - dol – dolomite
  - sid – siderite
  - cc – calcite
  - Fe–carb – iron carbonate
- chl – chlorite
- epid – epidote
- flu – fluorite
- fuch – fuchsite
- gf – graphite
- tour – tourmaline

NOTES:
- v, qv, cv – vein, qtz vein, carb.vein
- str(s) – stringer(s)
- sil – silicified
- u/g – underground

VEGETATION

- a Alder
- Am Mountain ash
- Bf Balsam fir
- Bw White birch
- Ce Cedar
- Ch Cherry
- Mdx Mixed
- Po Poplar
- Pj Jack pine
- T.a Tag alders
- Sp Spruce
- tea Labrador tea

SYMBOLS

- Bedding/contact (inclined, vertical, direction)
- Foliation (1) (inclined, vertical, direction)
- Foliation (2) (inclined, vertical, direction)
- Lineation
- Glacial stria
- Trench
- Pit
- Diamond drill hole (casing, trace of hole)
- Outcrop (large, small)
- Boulders / float
- Contact (observed, assumed)
- Claimpost
- Survey pin
- Swamp
- Stream
- River, pond/lake, beaver dam
- Vegetation limits
- Blazed line
- Cut line
- Survey line
- Flagged line
- Slope line
- Road / trail
- Deformation Zone
- Major Shear Zone

PROFESSIONAL GEOSCIENTIST
R.V. ZALNIERIUNAS
PRACTISING MEMBER
0391
ONTARIO

PERSONNEL:
R. V. Zalnieriunas P.Geo.
D. R. Healey

GEOLOGY SURVEY DATES:
August 26 to October 27, 2003

DIAMOND DRILLING DATES:
October 16 to December 6, 2003

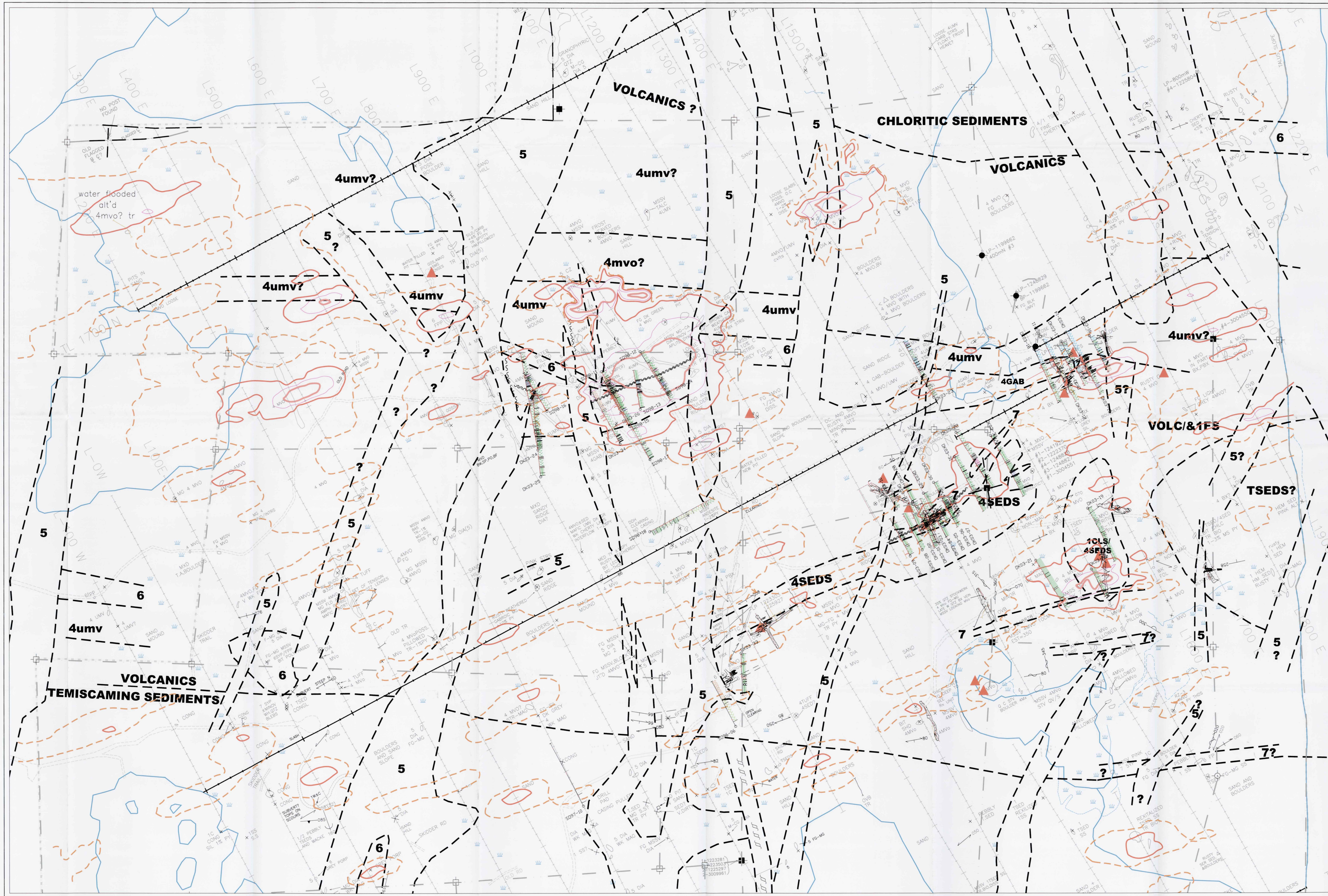
Coordinate : UTM Nad 27, Zone 17T

Young–Davidson Mines, Limited

OKA PROJECT

2003 GEOLOGY

NTS	41P/15	Interpreted by R.V. Zalnieriunas	Date Dec. 03
Township	Powell and Cairo	Checked by R.V. Zalnieriunas	Date Jan. 03
Scale	1 : 5,000	Drawing by GESCAD Inc.	Date Dec. 03
0 50 100 150 m		plan #: OKA0001.DWG	



GEOLOGICAL FIELD LEGEND

Geological Drilling Legend

VEGETATION

SYMBOLS

6ppb Au soil anomaly

12ppb Au soil anomaly

24ppb Au soil anomaly

48ppb Au soil anomaly

2003 Bedrock sample >400ppb Au

2003 Bedrock sample <400ppb Au

Coordinate : UTM Nad 27, Zone 17T

Young–Davidson Mines, Limited

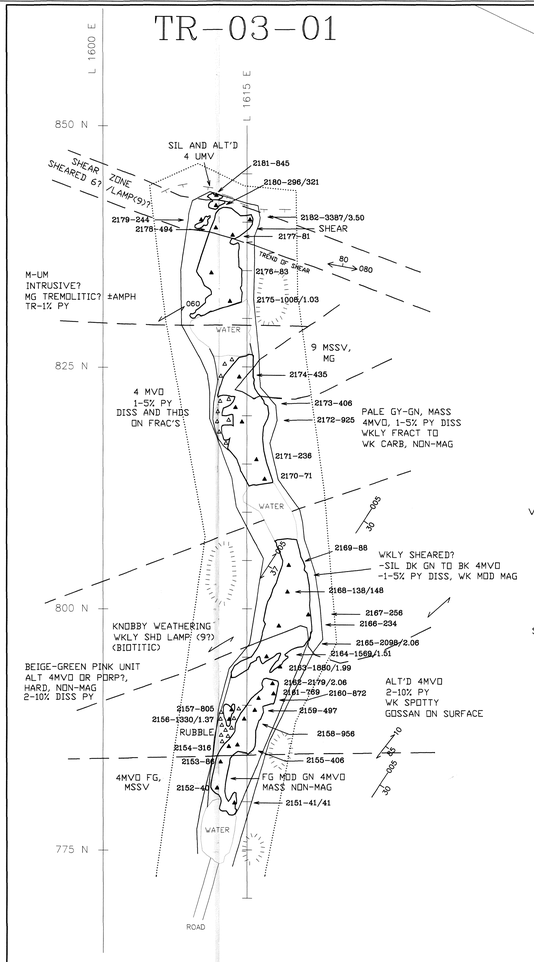
OKA PROJECT

Detail of Oka Volcanic Sequence

NTS	41P/15	Interpreted by	R.V. Zalnieriunas	Date Feb. 5/04
Township	Powell and Cairo	Modified after	GESCAD dwg's	Date –
Scale	1 : 2,000	Drawing by	R.V. Zalnieriunas	Date Feb. 05/04
	0 25 50 75 m	plan #:	OKA_COMP_03.dwg	

2.28287

TR-03-01



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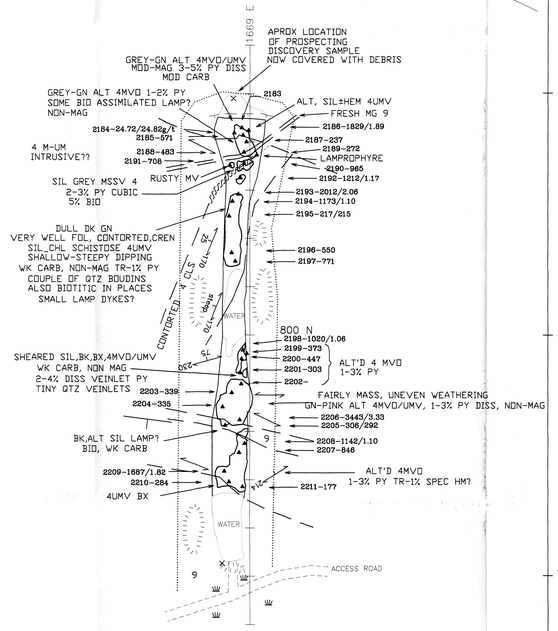

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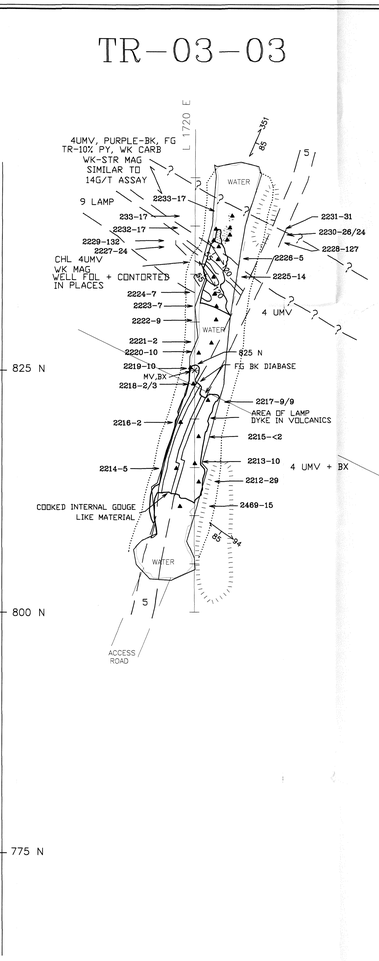

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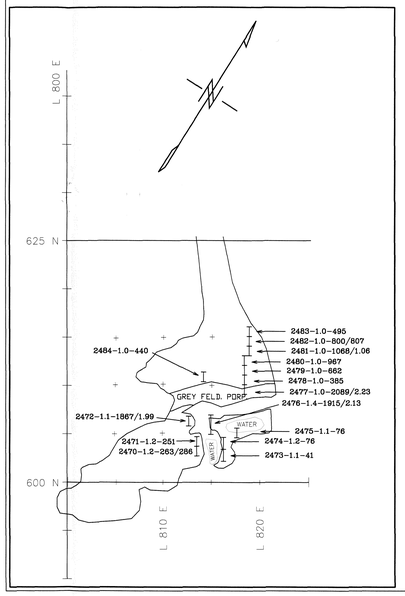

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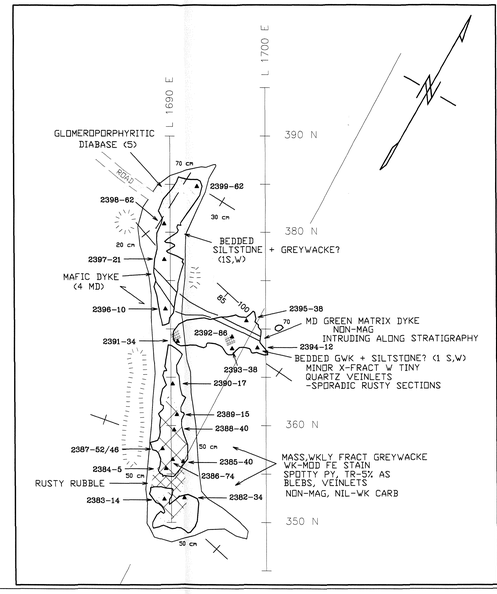

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- (4ser) sericite
- (4tca) talc-chlorite

METAVOLCANICS
- (4tuf) Tuff unsubdivided
- (4fvo) felsic
- (4mo) intermediate
- (4mmo) mafic
- (4umv) ultramafic

Volcanic Modifiers
- br – breccia
- fb – flow top breccia
- pb – pillow breccia
- p – pillowed
- m – massive
- t – tuffaceous
- v – xenolithic

MINERALIZATION:
- asp – arsenopyrite
- cp – chalcopyrite
- ga – galena
- hem – hematite
- mag – magnetite
- mo – molybdenite
- po – pyrrhotite
- py – pyrite
- sp – sphalerite
- spec – specularite
- VG – gold

GANGUE
- amp – amphibole
- ba – barite
- bio – biotite
- carb – carbonate
  - ank – ankerite
  - dol – dolomite
  - sid – siderite
  - cc – calcite
- Fe-carb – iron carbonate
- chl – chlorite
- epid – epidote
- flu – fluorite
- fuch – fuchsite
- gr – graphite
- tour – tourmaline

NOTES:
- v, qv, pv – vein, qtz vein, carb.vein
- str(s) – stringer(s)
- sl – silicified
- u/g – underground

Gossan or hematite alteration

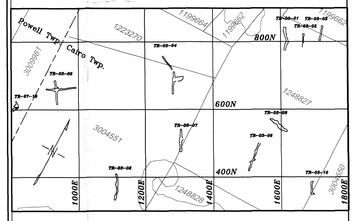
Rubble & broken

SYMBOLS
- Bedding/contact (inclined, vertical, direction)
- Foliation (1) (inclined, vertical, direction)
- Foliation (2) (inclined, vertical, direction)
- Lineation
- Glacial stria
- Fault
- Sample trench
- Outcrop (large, small)
- Boulders / float
- Contact observed
- Contact assumed
- Trench bedrock
- Trench covered
- Trench outline
- Cut line
- Water
- Swamp
- Slope line
- Road / trail

SAMPLE LOCATION
SAMPLE NUMBER
2387-52/46
ASSAY VALUE PPB Au
ASSAY CHECK Au ppb, If >1000 ppb Au
ASSAY IN GRAMS/TON Au

PROFESSIONAL GEOSCIENTIST
R.V. ZALNIERIUNAS
PRACTISING MEMBER
0391
ONTARIO

Personnel: D.R. Healey, D. Vachon, M. Durand, R.V. Zalnieriunas
Survey dates : September 18 TO October 16, 2003



Young-Davidson Mines, Limited

OKA PROJECT

PHYSICAL WORK
Trenches TR-97-19, TR-03-01,02,03,10

NTS	41P/15	Interpreted by R.V. Zalnieriunas	Date Dec. 03
Township	POWELL and CAIRO	Digitized by D. B. Healey	Date Oct. 03
Scale	1 : 200	Drawing by GEMCAD Inc.	Date Dec. 03
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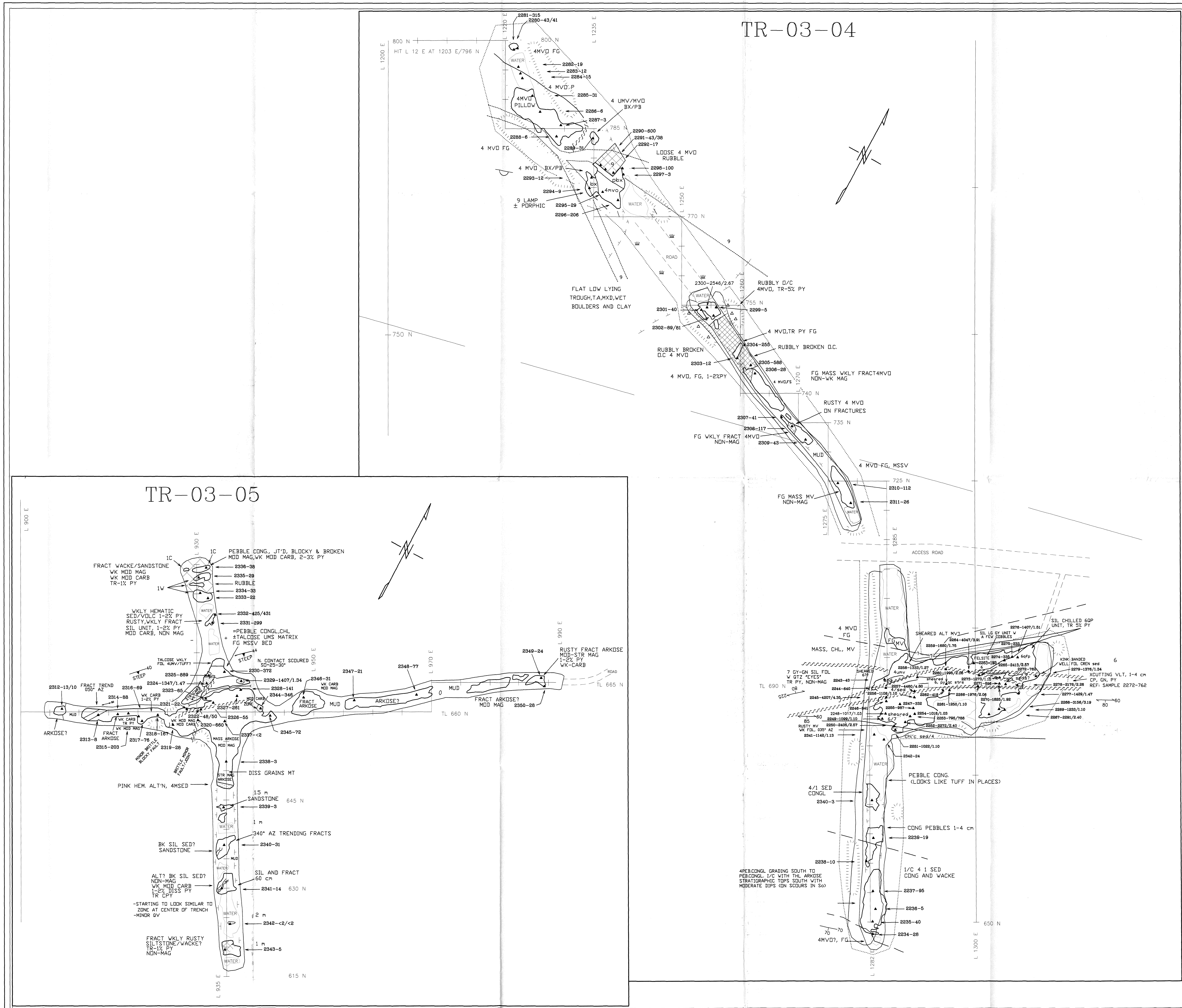


GEOLOGICAL LEGEND

(2) Overburden, Casing, lost core etc.

PHANEROZOIC

PRECAMBRIAN

PROTEROZOIC

(Ndia) Nipissing Diabase

(8) HURONIAN SEDIMENTS (PSED)
m–mudstone
a–arkose
w–greywacke
c–conglomerate

(5) Matachewan Diabase (Dia)

ARCHEAN

MINERALIZED / ALTERED ZONE
(3) Grey Carb / Qtz–breccia
(3fuch) Green Carb.
(10) Barite Vein

INTRUSIVES

(6) LATE GREY INTRUSIVES
(6grn) Granite
(6ctz) Contact Zone
(6fpp) Feldspar Porphyry
(6syn) Syenite

ALKALIC INTRUSIVES

(9) Lamprophyre

(7) ALKALIC INTRUSIVES (Red & Brown Mine Series)
(7ctz) Contact Zone
(7qfp) Quartz–Feldspar Porphyry
(7syp) Trachy Syenite Porphyry
(7syn) Syenite
(7fpp) Feldspar porphyry

(1) TEMISKAMING SEDIMENTS (Tsed)
m–mudstone
a–arkose
w–greywacke
c–conglomerate

SEDIMENTS

(11) Iron Formation (oxide & sulf.)

(4) GREENSTONE

(4sed) Interflow Sediments (ifs)
(4ms) Massive Sulfides
(4cht) Chert
(4lsed) Turbidites
m–mudstone
a–arkose
w–greywacke
c–conglomerate
pc–pebble conglomerate

Mafic to Ultramafic Sediments
(4msed) mafic sediments / re–worked tuffs
(4ums) ultramafic conglomeritic sediment

SCHISTS

(4cls) chlorite
(4ses) sericite
(4tcs) talc–chlorite

METAVOLCANICS

(4tuf) Tuff unsubdivided
(4fvo) felsic
(4ivo) intermediate
(4mvo) mafic
(4umv) ultramafic

Volcanic Modifiers
b – breccia
fb – flow top breccia
pb – pillow breccia
p – pillowed
m – massive
t – tuffaceous
v – variolitic

MINERALIZATION:
asp – arsenopyrite
cp – chalcopyrite
gn – galena
hem – hematite
mag – magnetite
mo – molybdenite
po – pyrrhotite
py – pyrite
sp – sphalerite
spec – specularite
VG – gold

GANGUE
amp – amphibole
ba – barite
bio – biotite
carb – carbonate
ank – ankerite
dol – dolomite
sid – siderite
cc – calcite
Fe–carb – iron carbonate
chl – chlorite
epid – epidote
flu – fluorite
fuch – fuchsite
gf – graphite
tour – tourmaline

NOTES:
v, qv, cv – vein, qtz vein, carb.vein
str(s) – stringer(s)
sil – silicified
u/g – underground

Gossan or hematite alteration

Rubble & broken

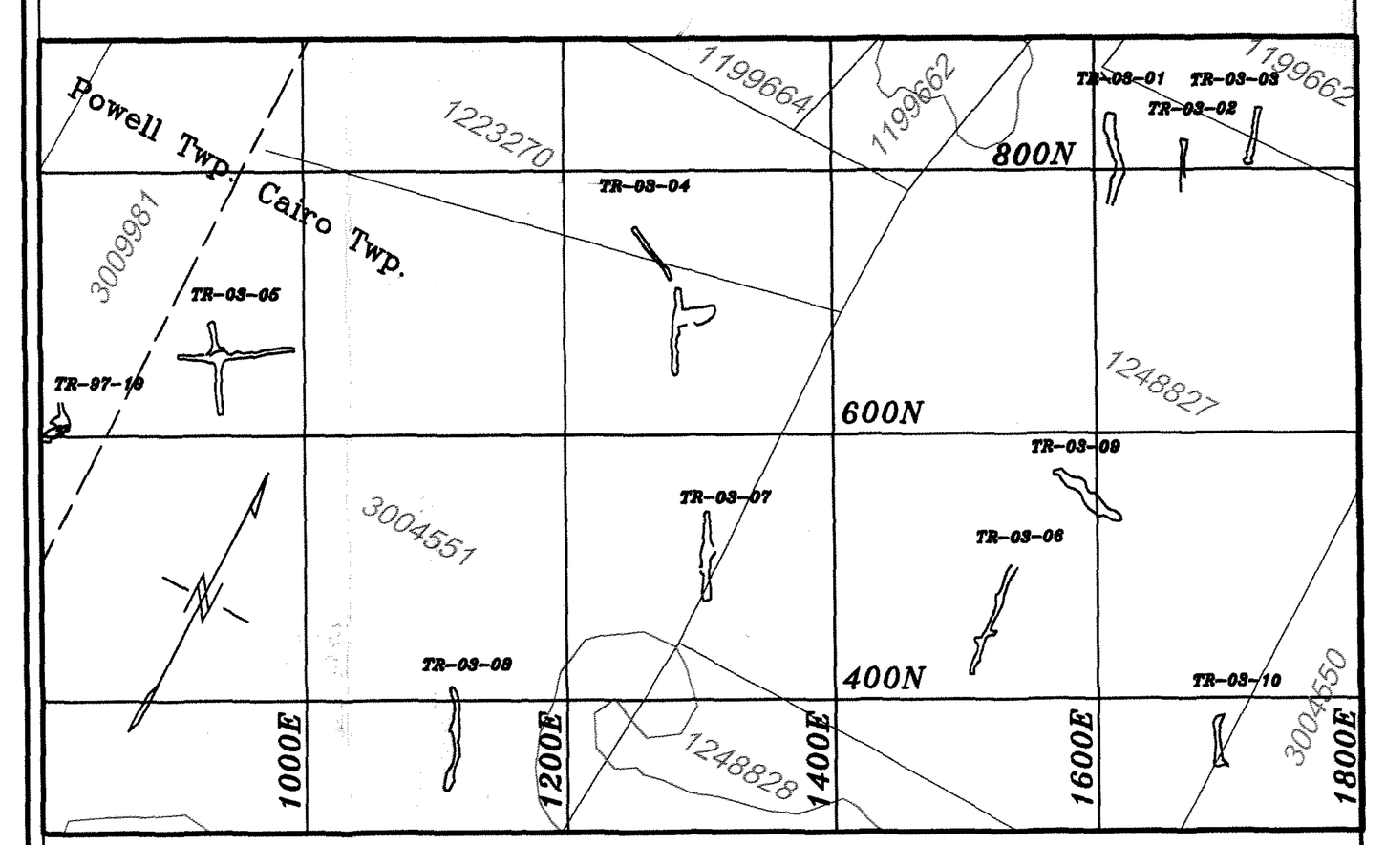
SYMBOLS

Bedding/contact (inclined, vertical, direction)
Foliation (1) (inclined, vertical, direction)
Foliation (2) (inclined, vertical, direction)
Lineation
Glacial stria
Fault
Sample trench
Outcrop (large, small)
Boulders / float
Contact observed
Contact assumed
Trench bedrock
Trench covered
Trench outline
Cut line
Water
Swamp
Slope line
Road / trail

SAMPLE LOCATION
SAMPLE NUMBER
2387–52/46
ASSAY VALUE PPB Au
ASSAY CHECK Au ppb, if ≥1000 ppb Au
ASSAY IN GRAMS/TON Au

PROFESSIONAL GEOSCIENTIST R. V. ZALNIERIUNAS PRACTISING MEMBER 0391 ONTARIO

Personnel: D.R. Healey, D. Vachon, M. Durand, R.V. Zalnieriunas
Survey dates : September 18 to October 16, 2003



Young–Davidson Mines, Limited

OKA PROJECT

PHYSICAL WORK
Trenches TR–03–04,05

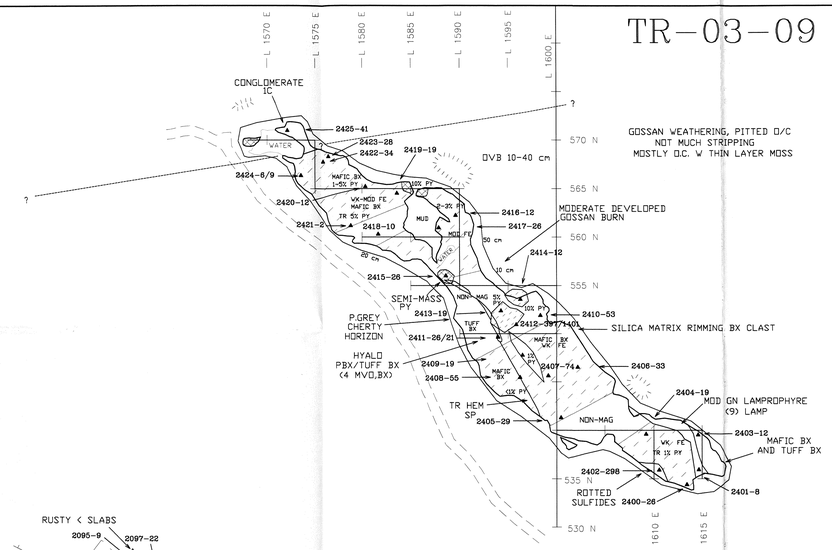
NTS	41P/15	Interpreted by	R.V. Zalnieriunas	Date	Dec. 03
Township	POWELL and CAIRO	Executed by	D.R. Healey	Date	Oct. 03
Scale	1 : 200	Drawing by	GESCAD Inc.	Date	Dec. 03
0 2 4 6 m		plan #:	OKA0003.DWG		

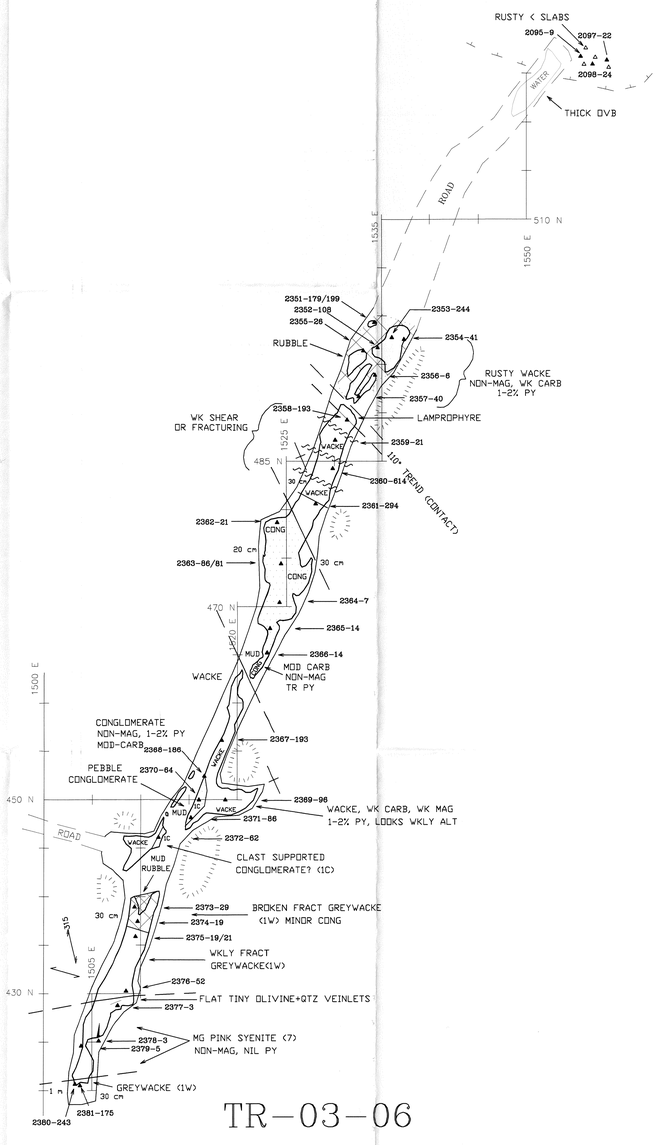
2.28287

41P15NE2025 2.28287 CAIRO

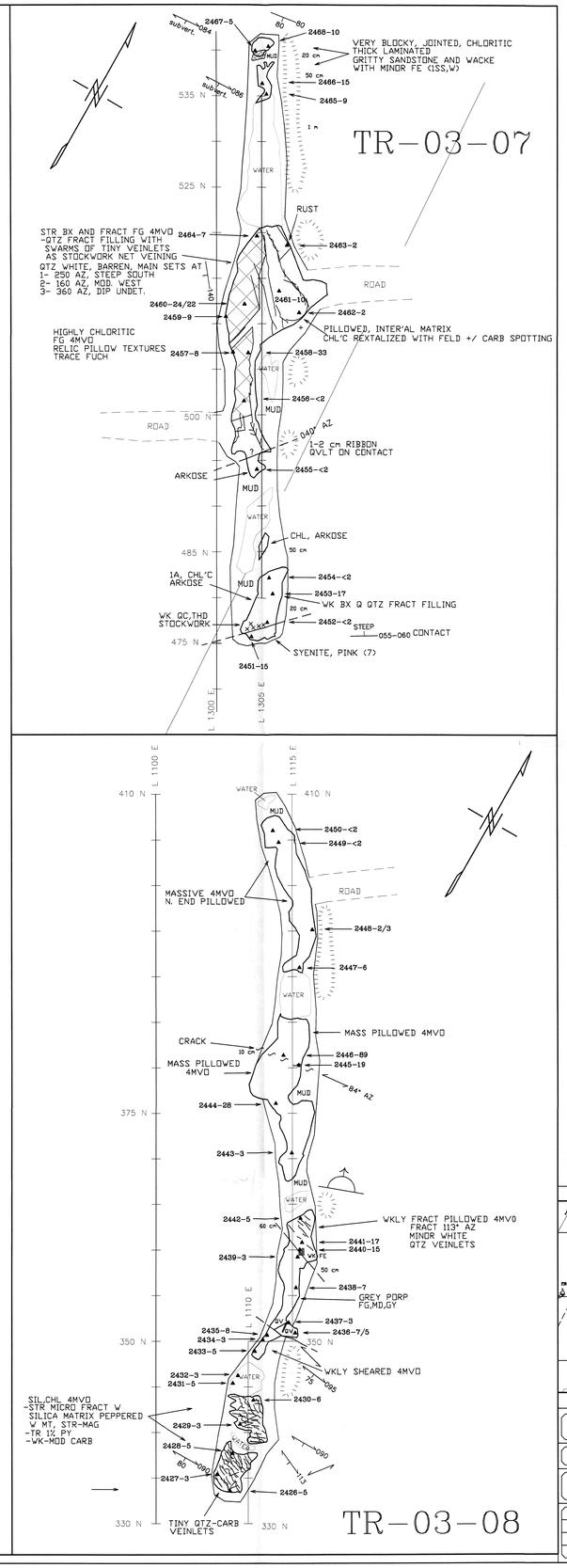
250

TR-03-09





TR-03-06



TR-03-07

TR-03-08

GEOLOGICAL LEGEND

(2) Overburden, Casing, lost core etc.

PHANEROZOIC

PRECAMBRIAN

PROTEROZOIC

(Ndia) Nipissing Diabase

(8) HURONIAN SEDIMENTS (PSED)
- m-mudstone
- a-arkose
- w-greywacke
- c-conglomerate

(5) Matachewan Diabase (Dia)

ARCHEAN

MINERALIZED / ALTERED ZONE
- (2) Grey Carb / Qtz-breccia
- (3Mus) Green Carb.
- (10) Barite Vein

INTRUSIVES

(6) LATE GREY INTRUSIVES
- (6gm) Granite
- (6ctz) Contact Zone
- (6fpp) Feldspar Porphyry
- (6syn) Syenite

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- (4fvo) felsic
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- Volcanic Modifiers
  - b – breccia
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  - pb – pillow breccia
  - p – pillowed
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  - v – variolitic

MINERALIZATION:
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- cp – chalcopyrite
- gn – galena
- hem – hematite
- mag – magnetite
- mo – molybdenite
- po – pyrrhotite
- py – pyrite
- sp – sphalerite
- spec – specularite
- VG – gold

GANGUE
- amp – amphibole
- ba – barite
- bio – biotite
- carb – carbonate
  - ank – ankerite
  - dol – dolomite
  - sid – siderite
  - cc – calcite
  - Fe-carb – iron carbonate
- chl – chlorite
- epid – epidote
- flu – fluorite
- fuch – fuchsite
- gt – graphite
- tour – tourmaline

NOTES:
- v, qv, cv – vein, qtz vein, carb.vein
- str(s) – stringer(s)
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SAMPLE NUMBER
2387-52/46
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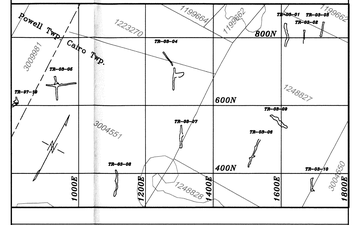
ASSAY CHECK Au ppb, if >1000 ppb Au
ASSAY IN GRAMS/TON Au

PROFESSIONAL GEOSCIENTIST
R. V. ZALNIERIUNAS
PROSPECTING MEMBER
0391
ONTARIO

Personnel: D.R. Healey, D. Vachon, M. Durand, R.V. Zalnieriunas
Survey dates : September 18 to October 16, 2003



Young-Davidson Mines, Limited

OKA PROJECT

PHYSICAL WORK
Trenches TR-03-06,07,08,09

NTS 41P/15		Interpreted by R.V. Zalnieriunas	Date Dec. 03
Township POWELL and CAIRO		Executed by D.R. Healey	Date Oct. 03
Scale 1 : 200		Drawing by GESCAD Inc.	Date Dec. 03
0 5 10 15 m		plan #: OKA0003.DWG	

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