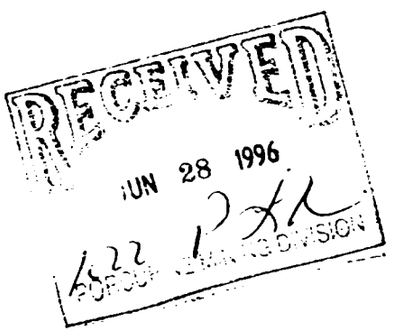
42A03SE0022 2.16768 ZAVITZ

CAMECO CORPORATION
& TRI-ORIGIN EXPLORATION

1996 ASSESSMENT REPORT

ENGLISH PROPERTY, ONTARIO
English and Zavitz townships

N.T.S. 42 A/3



2.16768

June 15, 1996

Peter Chubb
Doug Panagapko
Dave Thomas

SUMMARY

The English Property consists of 57 unpatented mining claims divided into the "A" and "B" blocks. The property is located 38 km south of Timmins, Ontario within the English Township.

The property lies within the Abitibi greenstone belt of the Superior Province, and is underlain by Archean mafic and felsic meta-volcanic and meta-sedimentary lithologies. The volcanic lithologies appear to be stratigraphically equivalent to the Tisdale and Deloro Groups, respectively of the Timmins-Porcupine Mining Camp. The property straddles the contact between the Deloro and Tisdale Groups, characterized by dacitic quartz-feldspar porphyry flows intercalated with pyroclastic quartz feldspar porphyry fragmentals and a sulphide and oxide rich iron formation. The felsic lithologies are overlain by spinifex and cumulate textured ultramafic and pillowed mafic flows of the Tisdale Group.

The felsic volcanics are variably silicified, sericitized and sheared and display similarities to the geological settings of the Doyon-Bousquet-Dumagami gold deposits in northwestern Quebec. Chlorite, Cr-muscovite, and carbonate (ankerite, dolomite and calcite) alteration within the ultramafics and mafic flows is comparable to the gold deposits of the Timmins Mining Camp (Dome Deposit) or along the Larder-Cadillac Break (Kerr Addison Deposit), Ontario. Several gold and base metal occurrences are reported in the vicinity of the property including the Texmont nickel deposit 10 km north, and the TinTina Mines Limited gold showing adjacent to the English project. Diamond drilling on the "A" Block by Dowa (1972) intersected a 32 metre intersection of sulphide-rich felsic volcanics from which limited sampling (2 metres) returned results up to 160 ppb Au.

The 1995 and the early part of 1996 exploration program conducted on the property consisted of prospecting, linecutting, and mapping on two grids cut on the "A" and "B" blocks. Mapping of the two blocks was successful in delineating the Deloro-Tisdale contact and defining the areal extent of the ultramafic, mafic and felsic volcanic packages. Gold assays of samples obtained during the mapping phase provided some encouraging results indicating that the ultramafics (up to 75 ppb Au) and mafic volcanics (up to 165 ppb Au) are enriched in gold. Most of the felsic volcanic samples do not appear to be enriched in gold, with a limited number of samples displaying values up to 679 ppb Au in the "B" block. Samples obtained from the iron formation assayed up to 1167 ppb Au in the "B" block.

The orientation of the stratigraphic units and foliations is highly variable across the entire property and appears to be the result of polyphase folding. In the northern part of the property ("A" block) the stratigraphy is trending north-south, while in the middle of the property it is trending northeast. Reconnaissance till sampling on the property has provided inconclusive results with only a few anomalous gold grain counts.

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1996 ASSESSMENT REPORT

1.0 Introduction

This report documents the 1995 and the early part of the 1996 exploration program on the English Project situated in the English and Zavitz townships, N.T.S. 42 A/3, located 38 kilometres south of Timmins, Ontario (Figure 1). The work consisted of linecutting, prospecting, mapping, till sampling and lithogeochemical sampling with fieldwork conducted by Peter Chubb, Doug Panagapko, Dave Thomas, Alain Faber, Mitch Turcott and contractors. Contractors were used to conduct linecutting (Exsics Exploration of Timmins, G.L. Geoservices Ltd. of Rouyn-Noranda and Natives Exploration of Ouje-Bougoumou), prospecting and geological mapping (G.L. Geoservices Ltd. of Rouyn-Noranda).

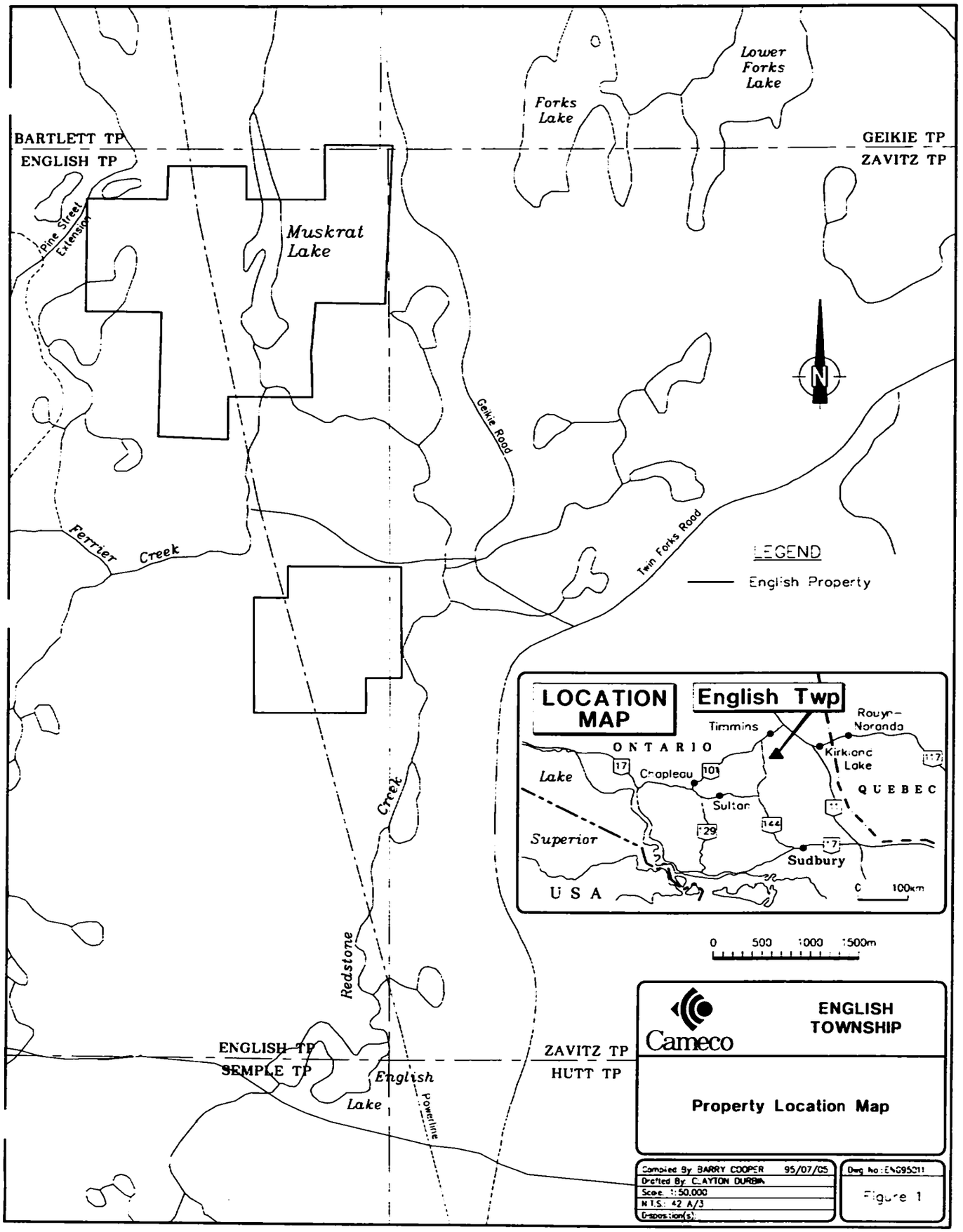
The property lies along the interpreted contact between the Deloro Group felsic volcanic sequence and the Tisdale Group mafic-ultramafic volcanic sequence (Pyke, 1982). This contact zone in the Porcupine - Timmins Mining Camp has been the stratigraphic location along which a number of gold mines, massive sulphide deposits and showings are located (e.g. Dome, Paymaster). The property area is also similar to the Porcupine - Timmins Mining Camp in that it is structurally complex with polyphase folding and some regional scale faults present.

There are no operating mines in the area, but the potential for further mineral discoveries is evidenced by the occurrence of several past-producing mines in the region (Ashley Gold Mine, NE Bannockburn Township; Young-Davidson and Matachewan Consolidated, Powell Township) and a host of gold showings.

2.0 Property Location and Access

The English property consists of 57 unpatented claims set within two separate claim blocks situated in English Township. The property lies within the M.N.R. administrative district of Sudbury and the Porcupine mining division.

Access is provided to the property by the Pine St. road (south from Timmins) or the Forks River road (south from South Porcupine) that both intersect the east-west Matachewan road. A powerline road accessible from the Matachewan road and Pine St. road provides access along the


Lower Forks Lake
Forks Lake
BARTLETT TP
ENGLISH TP
GEIKIE TP
ZAVITZ TP
Pine Street Extension
Muskrat Lake
Geikie Road
Ferrier Creek
Twin Forks Road
LEGEND
English Property
LOCATION MAP
English Twp
Timmins
Rouyn-Noranda
ONTARIO
Kirkland Lake
Lake
Chapleau
QUEBEC
Sultan
Superior
Sudbury
USA
100km
0 500 1000 1500m
Creek
Redstone
ENGLISH TP
SEMPLE TP
ZAVITZ TP
HUTT TP
English Lake
Powerline
Cameco
ENGLISH TOWNSHIP
Property Location Map
Compiled By: BARRY COOPER 95/07/05
Drafted By: C.AYTON DURBIN
Scale: 1:50,000
N.T.S.: 42 A/3
Disposition(s):
Dwg No: ENG95011
Figure 1

length of the "A" block and "B" block. Numerous logging roads splay off from the main gravel roads providing good access to various parts of the property. The gravel roads are not maintained during the winter season thereby limiting access to the property during that time period.

The property consists of 2 blocks including: the "A" block in the north-central portion of English Township and the "B" block straddling the English/Zavitz north-south boundary near the 3 mile marker. The claim group layout is illustrated in figure 2a,b and the claims listing in Table 1.

3.0 Infrastructure

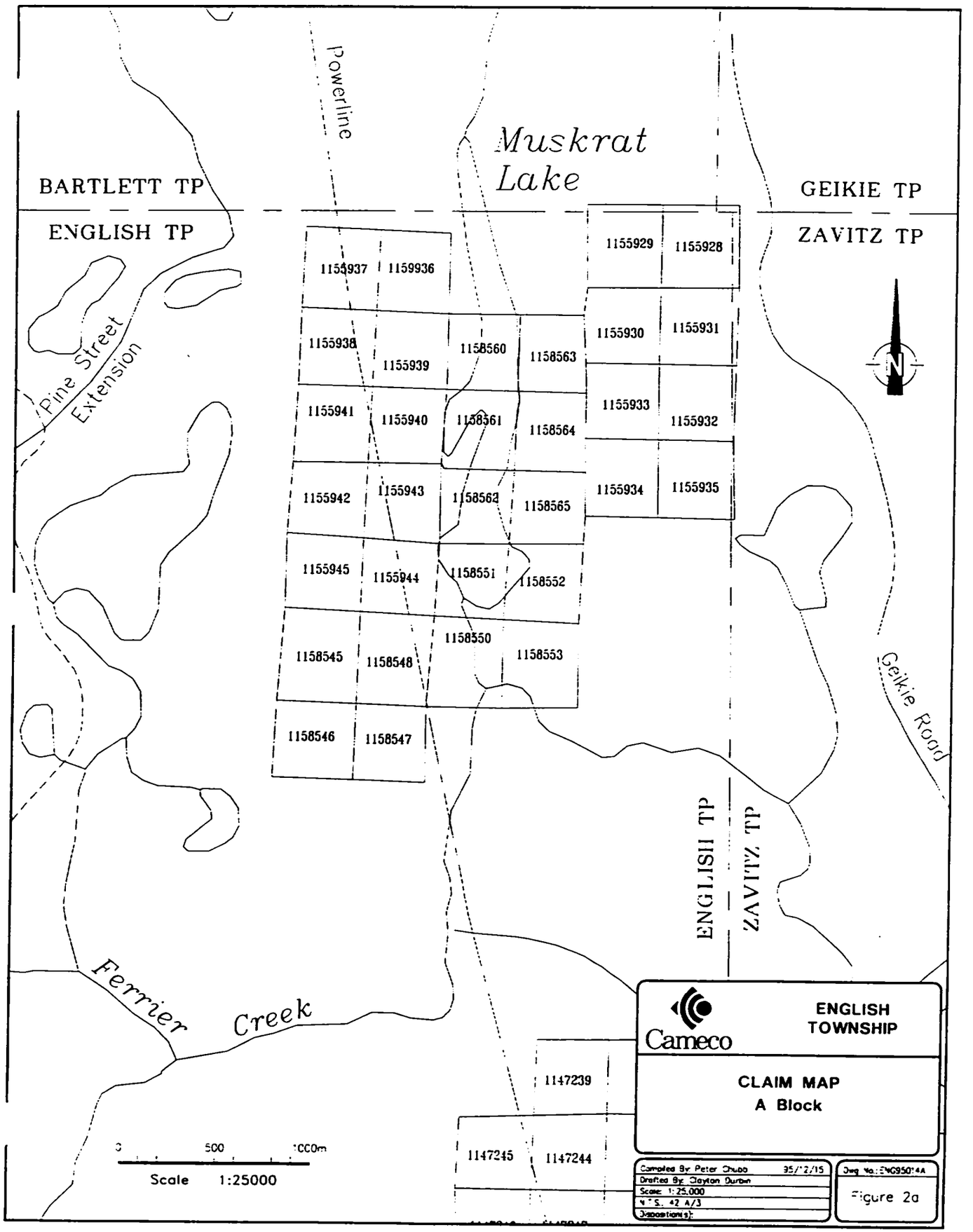
Available infrastructure is fair with a high power transmission line bisecting the property, and numerous useable logging roads allowing access to all of the claim blocks (see Map 1). Skilled labour is available from Timmins and South Porcupine to the north. The property is cut by Redstone Creek that feeds numerous lakes in the area and represents an historic fur trading route.

4.0 Topography and Vegetation

The property lies within the Hudson Bay watershed, approximately 70km north of the divide between the Great Lakes and Hudson Bay watersheds, with the Redstone Creek draining north into James Bay. The property displays low relief with both lithologic and esker controlled topographic highs. The region is covered by a thin to moderately thick veneer of glaciofluvial and glaciolacustrine sediments topped by eolian sands and gravels. An esker-fan complex (topographic high) in the area trends north-south and runs through the central portion of the English Township. Rock exposure is limited to approximately 10% of the property with exposure decreasing towards the southeast.

Vegetation consists of moderately sized cedar swamps (2x1km size) in the topographic lows and jackpine, spruce, white and yellow birch, rock maple, poplar and balsam in the topographic highs.

Logging activity in the area has resulted in deforestation of approximately 20% of the property and continued activity in the southern portion of the English Township will provide increased access to the property following the winter of 1996/97.


Powerline
Muskrat Lake
BARTLETT TP
ENGLISH TP
GEIKIE TP
ZAVITZ TP
Pine Street Extension
1155937
1159936
1155938
1155939
1158560
1158563
1155941
1155940
1158561
1158564
1155942
1155943
1158562
1158565
1155945
1155944
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1158552
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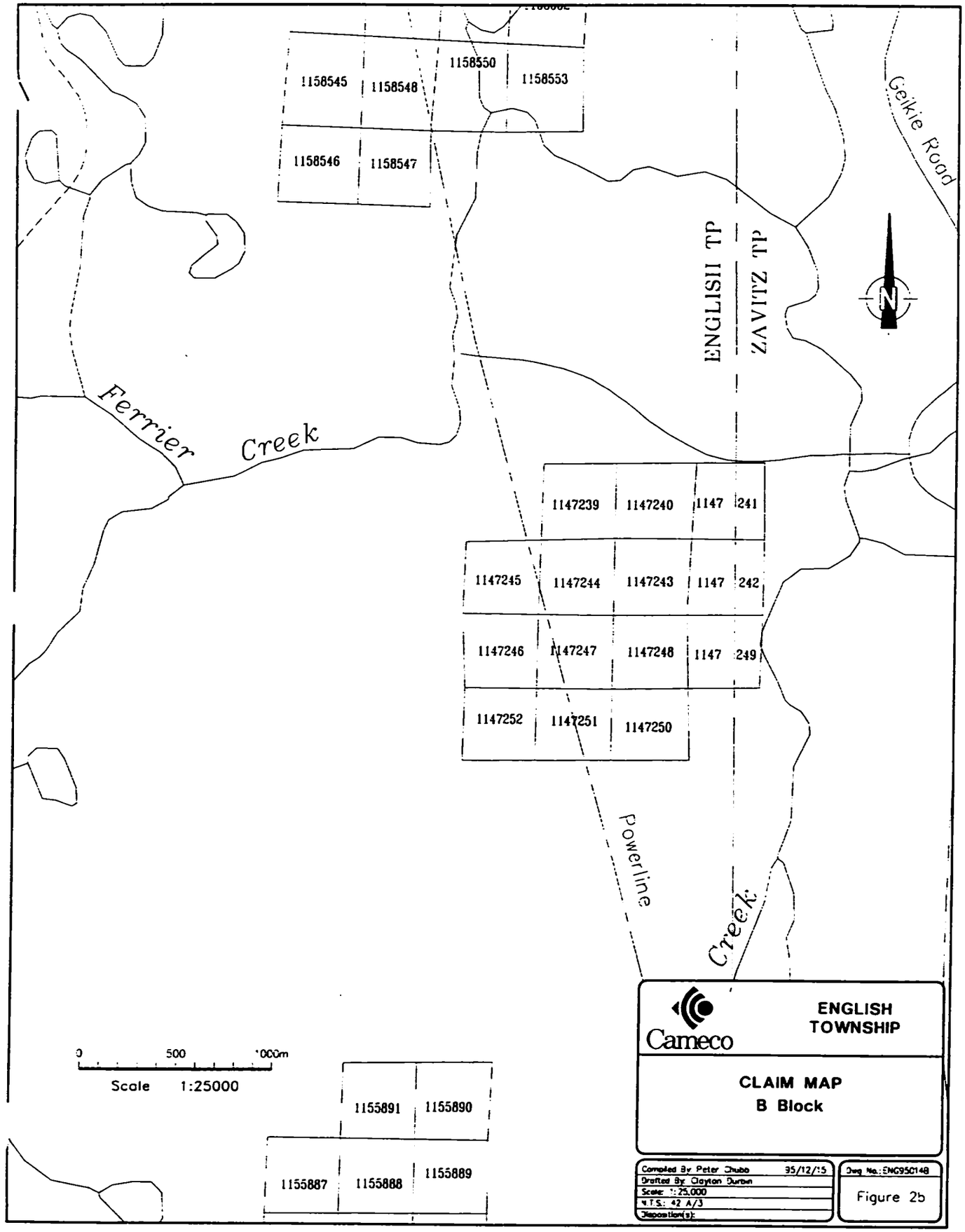
1158545
1158548
1158553
1158546
1158547
1155929
1155928
1155930
1155931
1155933
1155932
1155934
1155935
Geikie Road
ENGLISH TP
ZAVITZ TP
Ferrier Creek
1147239
1147245
1147244
0
500
1000m
Scale 1:25000
Cameco
ENGLISH TOWNSHIP
CLAIM MAP
A Block
Compiled By: Peter Chubb 95/12/15
Drafted By: Clayton Durban
Scale: 1:25,000
N.T.S. 42 A/3
Dispositions:
Dwg No.: EN0950-14A
Figure 2a


1158545
1158548
1158550
1158553
1158546
1158547
Geikie Road
ENGLISH TP
ZAVITZ TP
N
Ferrier Creek
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1147 241
1147245
1147244
1147243
1147 242
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1147 249
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Powerline
Creek
0
500
1000m
Scale 1:25000
1155891
1155890
1155887
1155888
1155889
Cameco
ENGLISH TOWNSHIP
CLAIM MAP
B Block
Compiled By: Peter Chubb
95/12/15
Drafted By: Clayton Durban
Scale: 1:25,000
N.T.S.: 42 A/3
Disposition(s):
Dwg No.: ENG95C148
Figure 2b

5.0 Exploration Model

Two gold models are being pursued on the English property; i) the gold associated ultramafic model; and, ii) the gold associated VMS sulphide model.

The **gold associated ultramafic model** is typified by the Kerr Addison (Virginiatown Twp.) and the Lightning Zone (Harker-Holloway Twp.) deposits. Both of these deposits are spatially associated with ultramafic, mafic and metasediment packages located along major structures (Kirkland Lake-Larder Lake Break, Destor-Porcupine Deformation Zone). The deposits display similar alteration assemblages and zonation with albite-quartz, sericite-ankerite, talc-carbonate-fuchsite zones. The talc-carbonate alteration of the ultramafics though not necessarily coincident with the gold-sulphide mineralization is usually present and may represent a possible source of the gold (Keays, 1975).

> *"limited analyses suggested that gold may be leached from komatiites during carbonatization. Keays (1975) determined the precious metal content of the ultramafic host rocks from 14 nickel sulphide deposits in Western Australia. The analyses indicated that significant quantities of gold (3-4ppb Keays, pers comm.) and sulphur were released during talc-carbonate alteration of the ultramafic rocks"*
>
> *(Pyke, 1982)*

Ultramafic rocks of the "Carbonate Ore" zone in the Kerr Addison display large additions of SiO_2, K_2O, Rb, Ba, CaO, MgO and MnO (Kerrich, 1983), with the mafic lithologies displaying similar chemical alteration except for the addition of Na_2O (albite veining). Outside the zone of mineralization anomalous B (880ppb), Hg, Au, As (940ppm), and Sb (18ppm) are heterogeneously distributed and indicative of a productive hydrothermal system. The gold associated ultramafic model also displays some geophysical characteristics including a strong magnetic response and a possible IP response (sulphide dependant).

The **gold associated VMS deposit model** is based on the Bousquet, Dumagami and Doyon deposits in northwestern Quebec which are situated along felsic volcanic - sedimentary/mafic volcanic contacts. The deposits are all associated with broad regional high strain zones (>500m in width) that are continuous on a regional scale. Mineralization is mainly restricted to the most deformed lithologies within the deformation zone. Mineralization consists of gold associated massive and semi-massive sulphide lenses (pyrite, pyrrhotite, chalcopyrite, bornite, chalcocite, sphalerite, galena, arsenopyrite, magnetite and a host of tellurides), pyrite-quartz veinlets and

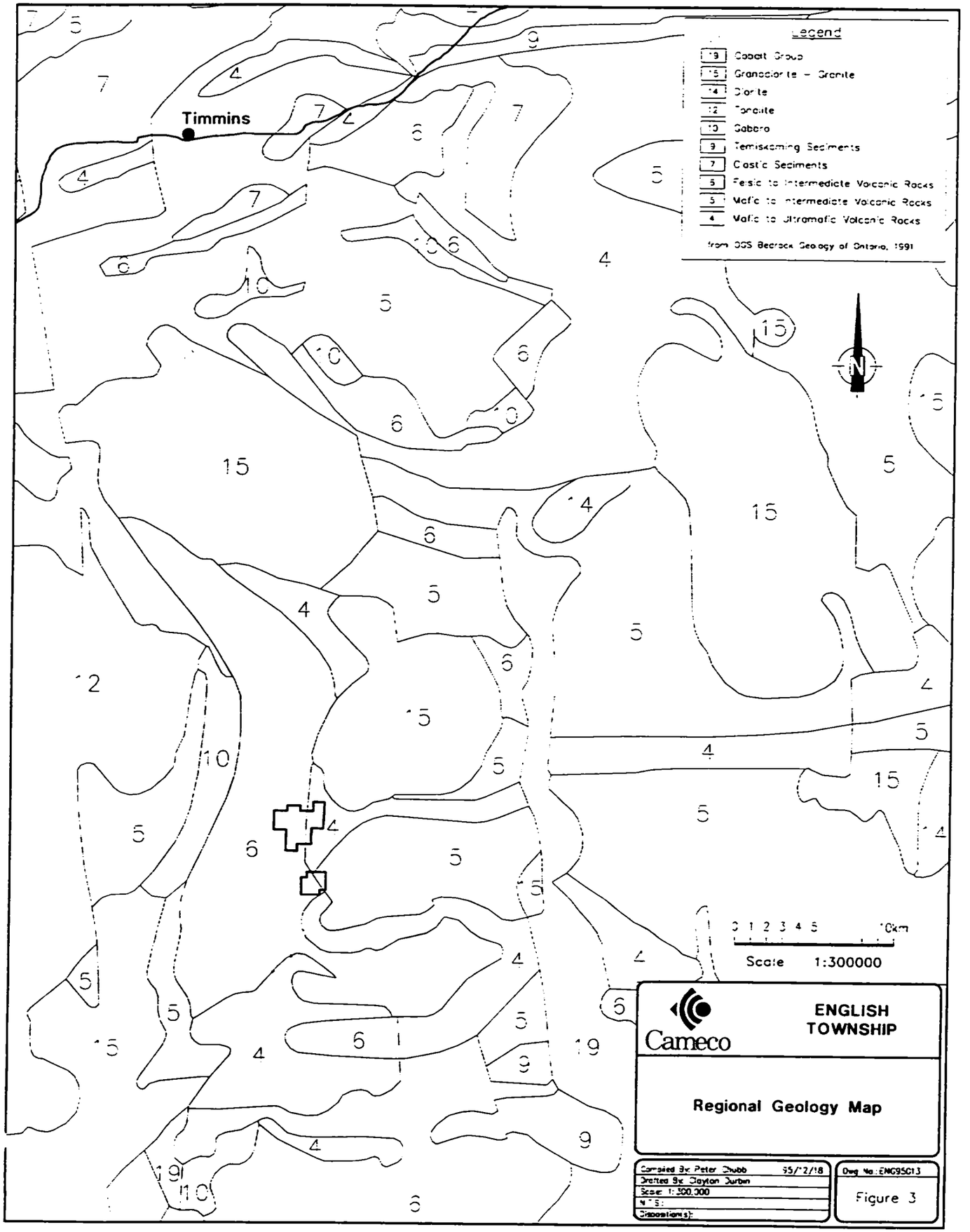
disseminated pyrite within foliation planes. The geochemistry of these deposits indicates that there is an enrichment in Al_2O_3, SiO_2, K_2O, Fe_2O_3, and S towards the mineralized zone. There is also a depletion of Na_2O, CaO, MnO and MgO towards the mineralized zone with a strong depletion of MgO at the core. Gold usually forms an erratic enrichment halo of 100-300ppb up to 300 metres around the ore body. This deposit model exhibits a strong IP & EM response and possible strong magnetic response.

6.0 Regional Geology

The Abitibi subprovince hosts one of the largest and best preserved Archean Greenstone belts, and is currently viewed as being analogous to a series of modern island arc, back arc, rifted arc (Ludden et al., 1986) and oceanic plateau (Kimura et al., 1993) environments. The property area lies south of the Destor-Porcupine Fault Zone and is associated with the Keewatin Super Group lithologies that are currently interpreted as the upper formation (III) of the Deloro Group (2727±1.5Ma) and the lowest formation (IV) of the Tisdale Group (2705±10Ma). The greenstone belt including the property area has been regionally metamorphosed up to subgreenschist facies (Jolly, 1978). The Tisdale-Deloro group boundary is pervasively altered with the footwall felsic volcanics altered to chlorite, chlorite-sericite and minor chlorite-sericite-carbonate schists. Polysutured komatiitic flows and tholeiitic mafic volcanics at the base of the second super cycle (Tisdale Group) are pervasively altered to talc-carbonate and chlorite respectively.

The geology of the property area is covered by Ontario Geological Survey Report 231, "Geology of the Ferrier Lake - Canoeshed Lake Area" (Bright, 1984). The report and maps both indicate that the property is largely underlain by felsic-intermediate metavolcanics (Deloro Group), mafic-intermediate metavolcanics (Tisdale Group)(Figure 3.). Minor sulphide facies iron formation occurs near the contact between the felsic and overlying mafic units. Numerous mafic (Gabbro) intrusive plugs and lenses (2686±3Ma) occur in the area. The metavolcanic rocks are cut by two major quartz diabase-diorite dikes (2147 Ma; Gates and Hurley, 1973), one trending northeast and a narrower northwest oriented dike. The OGS maps indicate two northwest trending faults transecting the area. The most southerly fault has an apparent sinistral displacement of 400 metres while the northerly fault has a sinistral displacement of 1600 metres. Both of these faults post-date the quartz diabase-diorite dikes (Pyke, 1982).

Map units on the OGS maps accompanying Report 231 define large scale east- to east-northeast trending fold structures. To the east of the property area near West Nighthawk Lake and


Timmins
Legend
9 Cobalt Group
5 Granodiorite – Granite
4 Diorite
2 Tonalite
10 Gabbro
9 Temiskaming Sediments
7 Clastic Sediments
6 Felsic to Intermediate Volcanic Rocks
5 Mafic to Intermediate Volcanic Rocks
4 Mafic to Ultramafic Volcanic Rocks
from OGS Bedrock Geology of Ontario, 1991
N
0 1 2 3 4 5 10km
Scale 1:300000
Cameco
ENGLISH TOWNSHIP
Regional Geology Map
Compiled By: Peter Chubb 95/12/18
Drafted By: Clayton Surbin
Scale: 1:300,000
N.T.S.:
Dimensions:
Dwg No.: ENG95C13
Figure 3

Kitchiming Lake, as well as south of the English Lake, map patterns define closed, doubly plunging structures suggesting the presence of polyphase folding. Structural symbols shown on the OGS map suggest the dominant foliation (S_1) is broadly conformable with the primary layering of the units (S_0), although around large fold closures, two sets of foliation orientations are common. One foliation is conformable to the gross lithologic layering and a second foliation is broadly coincident with the interpreted axial surface trace of the folds.

Recent structural studies in the Timmins region (Bleeker, 1995; Heather, 1995) have identified pre-Timiskaming polyphase folds indicating at least two early fold events (S_1 & S_2) prior to the deposition of the Timiskaming sediments. These predominantly "mushroom-type" fold interference patterns were faulted, unroofed and truncated by a pre-Timiskaming unconformity which was subsequently tightly folded around upright axial planes with shallow to moderately plunging axes (30°-40°). The youngest folding is related to strike-slip structures and is manifested by steeply-plunging asymmetric S- and Z-folds.

7.0 Previous Work

Work on the property has consisted of mapping, sampling, ground magnetics, IP, and minor diamond drilling (one hole). The drilling tested for base metal mineralization associated with airborne conductors. Scattered gold anomalies occur within and near the property.

Government Mapping

Bright (1968) Ontario Geological Survey Preliminary Maps P.454, 455, and 490. These preliminary geology maps cover the English, Zavitz and Semple townships.

Pyke (1978) Ontario Geological Survey Report 171 describes the geology and mineralization in the Peterlong Lake area.

Bright (1984) Ontario Geological Survey Report 231 describes the geology, structure and mineral occurrences of Beemer, English, Zavitz, Moher, Semple, and Hutt townships (Ferrier Lake-Canoeshed Lake area).

Ontario Geological Survey (1990) Ontario Geological Survey Map 81397, 81400. Airborne electromagnetic and total intensity magnetic survey, Shining Tree area.

Rogers (1995) Ontario Geological Survey Preliminary Map P.3343. Geological and Exploration Data compilation of the Grassy River Area, covering Semple, Hutt, Nursey, Burrows, Kemp, Natal, Mond, Halliday, Sothman, Midlothian and Montrose townships.

Bajc (1996) Ontario Geological Survey Open File Report 5941. This report provides a framework of Quaternary geology using glacial drift analyses in the Peterlong Lake - Radisson Lake Area.

Industry Related Work

Dominion Gulf Ltd. (1952; T-60) conducted geology and ground based magnetic surveys in the northeastern quadrant of the English Township in search of nickel sulphide deposits associated with the ultramafic rocks.

Hollinger Gold Mines Ltd. (1962; T-617) completed geological mapping, magnetometer and electromagnetic surveys over 42 claims overlapping the "C" Block area. Several iron formation units were tested with a pack sack drill, however no assays were reported. Sericite-chlorite schists and carbonate alteration zones were reported in close proximity to the iron formation.

Dowa Mining Company (1972; T-631 and T-115) conducted a drill program consisting of one hole, located in the northern part of English township ("A" Block) 800m east of Muskrat Lake. The drillhole intersected a 30m wide section of felsic tuff within a sericite-chlorite schist containing up to 30% pyrite. Three samples were assayed from this hole but no results were published.

Granges Inc. (1974; T-1643) conducted an airborne electromagnetic survey covering the English Township.

Amax Gold Inc. (1982; T-118, T-120) completed geological mapping on four claims in northeastern English Township coinciding with the "A" Block. Oxide iron formation, felsic to intermediate volcanic rocks and gabbro intrusives were identified. No further work was recommended as gold assay results returned nil to trace values.

Esso Minerals Canada Ltd. (1988; T-3202) completed linecutting, geological mapping, soil geochemical surveys, induced polarization surveys and power stripping in east-central English Township coincident with the "B" Block. Esso identified a 400 metre wide band of carbonatized polysutured and spinifex textured ultramafic to mafic flows which are deemed to be stratigraphically equivalent to the lower portion of the Tisdale Group rocks. Anomalous gold was detected in both iron formation (up to 565 ppb), and carbonatized basalt (1200 ppb) refered to as the 43N showing. A soil geochemical survey southeast of the "B" Block defined a zoned anomaly, with the outer zone spread over a 600 metre length with values of 20 to 50 ppb gold, and an inner zone 130 metres in length of 55 to 100 ppb Au. Eleven of 165 soil samples

obtained returned values greater than 100 ppb Au, up to a maximum of 5000 ppb Au. An induced polarization survey completed on eight grid lines over a 900 metre strike length defined five anomalies that were recommended for drilling.

Exploits Exploration Ltd. (1990; T-3414) optioned the ground between the "A" and "B" blocks from G.S.W. Bruce and completed linecutting and geological mapping. The geological mapping uncovered numerous distinct zones of ankerite carbonate and fuchsite alteration with pyrite on the property.

Tri-Origin Exploration Ltd. (1990; T-3464) staked and completed initial prospecting and data compilation on the "A" and "B" blocks. Preliminary sampling of all sulphide bearing lithologies returned gold values ranging from 127 to 525 ppb.

TinTina Mines Ltd. (1991; T-3441) in a joint venture with NSR Resources Inc. investigated the area between the "A", "B" and "C" blocks. Linecutting and geophysical surveys were completed over areas not already covered by previous geophysics. Power stripping, channel sampling and lithogeochemical surveys along with geological mapping were completed. The North Shear Zone showing (1700 ppb Au), and the Road Showing (7200 ppb Au) were located along the Tisdale-Deloro boundary.

Robinson Exploration Services Ltd. (1991) prepared a report on the Tri-Origin held ground upon which 107 line km of magnetic and VLF-EM surveying were completed on the A and B claim blocks. VLF-EM anomalies were observed, locally associated with sulfide -rich lithologies and undrilled airborne EM conductors.

Tri-Origin Exploration Ltd. (1994) conducted an I.P. survey over a series of connected claims on the "B" block and "A" block. A series of anomalies were identified but were never followed up.

8.0 1995 & 1996 Program

The objectives for the 1995-1996 exploration program conducted on the English project were to:

1) determine the direction of the stratigraphy in the three claim blocks
2) gain a thorough understanding of the lithologies present, style of mineralization and alteration and get a handle on the structural complexity present.
3) locate new mineral showings on the property.

To facilitate the completion of these objectives; previous work was reviewed, and a field program including linecutting, mapping and geophysical surveying and reconnaissance till sampling was completed.

Table 2a. 1995 Exploration Program

Activity	Timing	Description
Till Sampling	5th June to 6th June	13 samples obtained
Linecutting	25th Sept. to 20th Oct.	30 km cut
Prospecting	11th Oct. to 22nd Oct.	2 prospectors, G.L. Geoservices
Geological Mapping	16th Oct. to 29th Oct.	P. Chubb, S. Poitras, D. Thomas
Geological Sampling	16th Oct. to 29th Oct.	P. Chubb, S. Poitras, D. Thomas

Table 2b. 1st Half of the 1996 Exploration Program

Activity	Timing	Description
Linecutting	5th March to 20th March	30 km cut
Geological Mapping	21st May to 29th May	P. Chubb, D. Panagapko, A. Faber, M. Turcott
Geological Sampling	21st May to 29th May	P. Chubb, D. Panagapko, A. Faber, M.Turcott

8.1 Linecutting

In mid-October 1995, one grid consisting of approximately 30 kilometres of baselines, tie-lines and gridlines was completed on the English project (Map 1). This grid, unlike the linecutting conducted by previous workers, was oriented more closely to the direction of the stratigraphy. The main baseline for the "A" grid was oriented at 0°Az. with gridlines turned off at 100 metre intervals. Due to the layout of the "A" grid and topographic considerations a tieline was placed at 12+00E. All gridlines were chained at 25 metre intervals. The "A" grid was completed by Exsics Exploration Services of Timmins, Ontario (25 September, 1995 - 20th October, 1995).

In early March, 1996, the "B" grid was cut by Natives Exploration , Ouje-Bougoumou Quebec for a total of 28 kilometres (Map 1). The cut lines were spaced every 100 metres and were chained, with pickets placed every 25 metres.

8.2 Prospecting

Prospecting with a Beep Mat was used throughout the "A" block and was for the most part successful in locating the sulphide and oxide rich iron formations. Prospecting was successful in locating a number of mineralized fuchsite localities. The results of the prospecting were combined with the surface geology mapping presented in the accompanying maps (Appendix C).

8.3 Property Geology

"A" Block

Mapping of the "A" grid within the "A" Block (Map 2a) revealed a stratigraphy characterized by porphyritic felsic volcanics and tuff breccias capped by a sulphide rich iron formation all of which belongs to the Deloro Group (Map 1). In sharp contact with the underlying felsic volcanics is a sequence of ultramafic flows and pillowed amygdaloidal mafic volcanics. Intruding the entire stratigraphy is a series of gabbroic plugs and west-northwest oriented olivine-rich mafic dikes. The stratigraphy of this block has undergone moderate deformation but has left preserved relict igneous textures intact. A pervasive foliation (Map 2a) oriented east-southeast increases in intensity and has a more variable azimuth as a major northwest fault to the south is approached (Map 1). The northern part of the "A" Block is characterized by foliations oriented at 335° /52° dipping to the north with a variation of approximately 30°. The middle part of the "A" Block displays a foliation pattern that is oriented at 274°/63° dipping to the north with a variation of 50°. The southern portion of the "A" Block shows a foliation pattern that averages 290°/70° dipping to the north with a variation of 70°. The change in the direction of the foliation and wide variation in azimuths can be attributed to the presence of more than one foliation set (S_1 and S_2) and the effect of large scale regional structures.

The felsic volcanic rocks are dacitic in composition and contain white plagioclase phenocrysts and quartz eyes usually less than 3mm in diameter. The felsic volcanics are relatively unaltered with minor saussuritization developed. The individual flows are less than 150m thick and are to be capped or underlain by a tuff breccia (flow top breccia ?) and/or tuff. The fragmental units are generally less than 5m in thickness and are poorly sorted, consisting of variably sized quartz feldspar porphyry fragments cemented by a dark green chloritic schist. The fragments are oriented parallel to the foliation and are stretched. The amount of chlorite within the matrix maybe spatially related to the iron formation. Those fragmental zones located further to the west (further away from the iron formation) contain less chlorite in the matrix, and as the iron formation is approached the intensity of the chlorite alteration increases rapidly. Sulphide mineralization consists of disseminated pyrite (1% volume) that is homogeneously distributed throughout the massive flows. Within the fragmentals, sulphides are developed as blebs and clasts (1-2cm length) of pyrite up to 2-3% rock volume. The porphyritic fragments within the fragmental unit are similarly mineralized with respect to the massive flows.

The iron formation sits near the top of the felsic volcanic package approximately 1-2 metres below the ultramafic/felsic contact. On either side of the iron formation an alteration aureole persists for up to 20 metres down into the felsic unit and up to the ultramafic/felsic contact. Some of the lithologies next to the iron formation now consist of massive chlorite with only the primary quartz eyes remaining (possibly a quartz eye rhyolite or vestige of the porphyry). There is also an increase in the abundance of quartz veining as the iron formation is approached. The iron formation is zoned and is up to 3 metres in thickness. The basal zone of the iron formation consists of finely laminated quartz and chlorite that contains trace disseminated pyrite mineralization. The upper contact zone consists of massive cryptocrystalline quartz that is sometimes heavily gossaned yet appears unmineralized. The centre of the iron formation comprises 25% of the formation thickness and is characterized by strongly foliated chlorite and minor sericite and massive to semi-massive pyrite mineralization comprising up to 80% of the rock volume.

The contact between the felsic lithologies and the overlying ultramafics is sharp. The ultramafic package consists of fine to medium grained cumulate, polysutured and spinifex textured flows. Spinifex textures typically display short (2-3 cm long) needles. One location (L7+00S, 6+00E) near the contact between the ultramafics and overlying mafic volcanics displays bladed relict spinifex textures up to 30-40 cm long. The ultramafics appear to be relatively undeformed with the delicate relict spinifex textures well preserved. They are pervasively altered with most of the original mineralogy degrading into carbonate (ankerite and calcite), talc assemblages and Cr-muscovite (fuchsite). Pervasive carbonitization is typical and the flows are intruded by numerous quartz carbonate veins and stockworks. The ultramafics are locally mineralized and dominated by disseminated pyrite and minor pyrrhotite and chalcopyrite. The contact with the overlying mafic volcanics is unexposed but is delineated to within 5 metres, with no apparent change in the mineralogy of the ultramafics as the contact is approached.

The mafic volcanics consist of thick packages of pillowed amygdaloidal (? variolitic) Fe-tholeiitic basalt and thin (<5 m thick) massive flows. Individual pillows are less than 1.5 metres in length and have been stretched to the degree that their tops direction can no longer be recognized with confidence. They have been weakly but pervasively bleached (albitization or silicification). Sulphide mineralization is limited with local concentration of disseminated pyrite up to 1% volume associated with the pillow selvages and minor shear zones.

Intruding the stratigraphy and apparently obliterating some of the ultramafic flows is a small (2x3

km size) quartz gabbro plug that is heavily amphibolitized and chlorite rich. The intrusive plug is asymmetrical and amoeboid in shape with small dike like features extending out into the felsic lithologies. The gabbro is medium grained and massive and is differentiated from the massive medium grained ultramafics by its lack of carbonate alteration assemblages.

Younger mafic dikes intrude the entire stratigraphy and consist of thin (<20m wide and generally 1-2 metres) northwest trending olivine diabase dikes that are magnetic and contain some secondary magnetite.

"B" Block

Mapping of the "B" block (Map 2b) revealed a similar stratigraphic package as observed on the "A" block with only a few differences. The lithology within this block is dominated by the felsic fragmentals and flows that are overlain by a thin sulphide-oxide iron formation similar to that of the "A" block. The felsics are overlain by a thick sequence of ultramafic flows (spinifex and cumulate textured) and intermediate to mafic flows (pillowed). Intruding the entire package is a thick (up to 100m) Abitibi dike oriented subparrallel to the stratigraphy. Other smaller dikes and intrusions consisting of Nipissing diabase, syenite, felsite, aplite, diorite, gabbro, leucogabbro and olivine diabase are developed as thin (<2m wide dikes or small sills (<200m^2). The stratigraphy of the "B" block is oriented at 40° with the mineral foliation oriented in all directions but dominated by a 260-280° and 310-340° and characterized by shallow dips 30-50° (Map 2b). The alteration in the "B" block is characterized by mid greenschist facies assemblages dominated by chlorite, sericite, epidote and carbonate minerals.

The felsic volcanics are divided into the massive dacite to rhyodacitic flows, dacitic tuff/porphyry and dacitic tuff breccia. The felsic flows are characterized by an aphanitic light grey background with mm to 2mm sized quartz eyes. This lithology is usually silicified and weakly sericitized with hairline fractures filled with quartz. Sulphide mineralization is developed as trace amounts of disseminated pyrite heterogeneously distributed along fractures and within the rock itself. The massive flows like the rest of the felsic lithologies display a pervasive mineral foliation. The massive flows are variable in their thickness and are up to 30m thick. The dacitic tuff/porphyry is monomictic and contains subhedral feldspars (<2mm) set in an aphanitic light grey matrix. This lithology is usually well foliated and therefore it is difficult to interpret the original precursor. The style of mineralization is similar to that of the massive felsic flow. The dacitic tuff breccia consists of highly stretched fragments (30x500 mm) of felsic lapilli-tuff or porphyry

set within a highly chloritized fine grained matrix. Sulphide mineralization is limited to the fragments with fracture related pyrite mineralization located within the matrix.

The iron formation is up to 40 m wide and is similar to the iron formation located in the "A" block. Unlike the "A" block no massive sulphides of any significant width were observed. Mineralization is similar to the "A" block and consists primarily of pyrite and magnetite within thin bands sandwiched between chert and chlorite layers. The iron formation zone is easily identifiable in the field by the reddish colour of the soil and large amounts of gossan observed on the outcrop surfaces. This unit is variably magnetic and appears to coincide with previously located I.P. anomalies (Tri-Origin, 1994).

The ultramafic volcanics are distinguishable by the thick gossan rind developed on the weathered interface. The cumulate textured and coarse grained ultramafics are characterized by a fresh surface that is usually light grey with brown (ankerite) and green (serpentine and/or fuchsite) patches. The amount of any one alteration mineral assemblage varies with some samples dominated by fuchsite and others by ankerite and chlorite. The spinifex textured ultramafics are medium grey green and is aphanitic except for the spinifex lathes of pyroxene/olivine. Sulphide mineralization within the ultramafics consists of disseminated to blebby pyrite and lesser pyrrhotite. Magnetite and specularite are developed within fractures and as fine disseminations throughout the rock samples.

The mafic volcanics are similar to those found on the "A" block with some of the pillows appearing to have been silicified or albitized. All of the pillows have been stretched and determining tops is difficult but generally tops to the southeast. Chlorite and epidote are the principle alteration minerals present with minor hematite and quartz also present. Sulphide mineralization is typical of the other lithologies and is characterized by finely disseminated pyrite.

8.4 Quaternary Geology and Sample Survey Program

8.4.1 Surficial Geology and Ice Flow Record

Bajc (1995, 1996) completed an initial survey of the Peterlong Lake-Radisson Lake area, including the English property. Bajc's observation are consistent with Cameco's and indicate that ice flow patterns (220° to 185°) show variable ice-flow directions that deviate from the main south-southeast direction for the region. Ice flow indicators such as glacial grooves and striae, chattermarks, roches moutonnees, crag and tail features record a sequence of ice flow events that

predate and postdate the main ice-flow event (Bajc, 1996). Large esker-fan complexes within the English township appear to have funnelled later ice flows within a restricted zone adjacent to the axis of the esker resulting in variable ice-flow directions. These deviations in the ice flow directions are not as prevalent in other areas and indicate that the ice flow history of the local area is complex, however it would appear that most of the till was deposited by the last ice flow event (south-southwest direction).

Most of the project area is overlain by deposits of glaciofluvial and glaciolacustrine sediments capped by eolian sands ("A" block). Till, if present at all, occurs beneath the stratified sediment up to 50 metres (based upon previous diamond drill and recirculation drill programs in the area) in depth. The OGS till survey (Bajc, 1996) due to the thick sediment cover in the area obtained only a few till samples.

8.4.2 Cameco Till Sample Survey

Reconnaissance till sampling consisting of 3 samples (Map 2a,b) was conducted within the English Property (Table 3). Two samples returned anomalous gold grain counts (29 and 25 gold grains). The small number of samples collected means that any results for this project are inconclusive and that further sampling is required.

8.5 Geochemistry

A total of 265 rock samples (Map 2a,b) were obtained for gold analysis during the 1995 program from all sections of the stratigraphic profile. Assays reveal that the felsic lithologies returned values up to 679 ppb Au, iron formation up to 1167 ppb Au, ultramafics up to 75 ppb Au and mafic volcanics up to 165 ppb Au. The results of the assaying indicate that gold is enriched in some of the rock types even though the majority of samples returned background values (see table 4).

Whole rock analyses were conducted on 33 samples, and were used to help classify the lithologies from a geochemical perspective. The chemical analyses showed that the samples fall into six distinct groups (felsic, intermediate, Mg-tholeiite, Fe-tholeiite, basaltic-komatiite, and komatiite) based on the Jensen Cation Plot (Figure 4). The intermediate volcanic samples based upon textures and locality were either placed within the felsic or mafic rock groupings. A statistical investigation examining the degree of variation within the property of the various chemical constituents (Table 5) indicated that there are some anomalous chemical variations present. The

Table 3. English Property Till Sample Results

* normalized to 10kg

Average Gold Count* = 19

utm E	utm N	Sample #	Claim #	Depth (m)	Quality	Sample Wt (kg)	Au count	Pristine	Modified	Au cnt*
482466	5317784	**wpo95t-008**	1147258	0.6	good	12.4	22	7	15	18
484987	5318515	**on30195t11**	1147267	0.5	mod	4.5	13	10	3	29
482844	5317772	**wpo95t-013**	1147258	0.5	mod	9.2	23	1	22	25

Table 4. Summary of the Whole Rock and Gold Assays for the English Property

* note that samples with no assay values are rep. samples

utm E	utm N	Stn #	Sample #	Rock Name	Claim #	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Sr	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	LOI	TOTAL
484061	5123238	96eng0220	eng96x-920	mafic flow	1147239	<																									
484252	5123142	96eng0225	eng96x-220	qtz diorite	1147240																										
481860	5122909	96eng0201	eng96x-204	mafic flow	1147241	2																									
485050	5121019	96eng0222	eng96x-218	mafic flow	1147241	2																									
485031	5121090	96eng0221	eng96x-217	int. flow	1147241	0																									
484771	5121030	96eng0200	eng96x-200	mafic flow	1147241																										
484878	5122996	96eng0203	eng96x-203	mafic flow	1147241																										
484771	5121030	96eng0200	eng96x-201	mafic flow	1147241	0																									
485050	5121019	96eng0222	eng96x-219	mafic flow	1147241	0																									
484291	5121061	96eng0211	eng96x-223	mafic flow	1147241																										
484269	5121081	96eng0227	eng96x-222	mafic flow	1147241	0																									
481821	5123011	96eng0202	eng96x-202	mafic flow	1147241	2																									
484735	5123079	96eng0214	eng96x-224	gabbro	1147241	0																									
484725	5123079	96eng0214	eng96x-225	granodiorite	1147241																										
481625	5123095	96eng0226	eng96x-221	int. flow	1147241	9																									
481981	5122546	96eng0101	eng96x-102	int. flow	1147242																										
485081	5122525	96eng0218	eng96x-215	mafic flow	1147242	0																									
484942	5122598	96eng0214	eng96x-213	mafic flow	1147242	0																									
483925	5122558	96eng0100	eng96x-100	mafic flow	1147242																										
481925	5122558	96eng0100	eng96x-101	mafic flow	1147242	5																									
481877	5122551	96eng0142	eng96x-123	felsic frag	1147245																										
483620	5122775	96eng0131	eng96x-118	felsic flow	1147245																										
481215	5122860	96eng0136	eng96x-120	felsic flow	1147245																										
481951	5122879	96eng0137	eng96x-121	Abitibi dike	1147245																										
481951	5122879	96eng0137	eng96x-122	mafic flow	1147245																										
483723	5122940	96eng0146	eng96x-124	mafic flow	1147245																										
483580	5122593	96eng0148	eng96x-125	felsic flow	1147245																										
483498	5122063	96eng0052	eng96x-076	Iron Formation	1147246	17																									
483610	5122030	96eng0050	eng96x-075	felsic flow	1147246	0																									
483654	5122191	96eng0121	eng96x-315	felsic frag	1147246	14																									
483631	5122132	96eng0120	eng96x-314	felsic frag	1147246	0																									
483619	5122040	96eng0050	eng96x-074	gabbro	1147246	0																									
483718	5122048	96eng0049	eng96x-073	gabbro	1147246	2																									
481529	5122592	96eng0125	eng96x-317	felsic flow	1147246	5																									
481498	5122961	96eng0052	eng96x-077	Iron Formation	1147246	27																									
483001	5122121	96eng0055	eng96x-078	felsic frag	1147246	3																									
481079	5122381	96eng0155	eng96x-126	Abitibi dike	1147247																										
484016	5122490	96eng0140	eng96x-119	Abitibi dike	1147247																										
484151	5122109	96eng0126	eng96x-318	felsic frag	1147247	0																									
483123	5122115	96eng0115	eng96x-311	felsic frag	1147247	0																									
483648	5122202	96eng0244	eng96x-229	int. flow	1147248	41																									
481875	5122164	96eng0257	eng96x-247	mafic pil	1147248	0																									
484648	5122212	96eng0244	eng96x-230	int. flow	1147248	21																									
484591	5122109	96eng0243	eng96x-921	felsic flow	1147248	96																									

utm E	utm N	Stn #	Sample #	Rock Name	Claim #	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Sr	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	LOI	TOTAL
484602	5322267	96eng0242	eng96x-228	felsic flow	1147248	0																									
484518	5322273	96eng0240	eng96x-226	Iron Formation	1147248	141																									
484318	5322128	96eng0046	eng96x-071	felsic flow	1147248	3																									
484590	5322130	96eng0256	eng96x-237	bkomatiite	1147248																										
484473	5321719	96eng0241	eng96x-227	bkomatiite	1147248	2																									
484318	5322128	96eng0045	eng96x-069	felsic flow	1147248	2																									
484318	5322128	96eng0045	eng96x-070	felsic flow	1147248	0																									
484755	5322388	96eng0116	eng96x-110	felsic flow	1147249																										
484760	5322142	96eng0245	eng96x-231	Iron Formation	1147249	17																									
484797	5322162	96eng0246	eng96x-232	felsic flow	1147249	10																									
484987	5322380	96eng0110	eng96x-105	int flow	1147249																										
485068	5322484	96eng0217	eng96x-214	mafic flow	1147249	0																									
483748	5322745	96eng0130	eng96x-117	Abitibi dike	1147249																										
484957	5322244	96eng0123	eng96x-114	bkomatiite	1147249																										
484711	5322285	96eng0128	eng96x-116	bkomatiite	1147249																										
484973	5322155	96eng0125	eng96x-115	gabbro	1147249																										
484808	5322368	96eng0118	eng96x-111	felsic flow	1147249																										
484808	5322360	96eng0119	eng96x-112	felsic frag	1147249																										
484856	5322328	96eng0121	eng96x-113	mafic pil	1147249																										
484987	5322497	96eng0103	eng96x-104	bkomatiite	1147249	3																									
484836	5322425	96eng0111	eng96x-107	iron formation	1147249	926																									
484730	5322389	96eng0115	eng96x-109	bkomatiite	1147249																										
484711	5322195	96eng0262	eng96x-248	int flow	1147249	0																									
484971	5322495	96eng0102	eng96x-103	int flow	1147249																										
484836	5322425	96eng0111	eng96x-106	int flow	1147249	1128																									
484766	5322463	96eng0113	eng96x-108	int flow	1147249	0																									
484432	5321661	96eng0023	eng96x-051	bkomatiite	1147250	21																									
484392	5321873	96eng0303	eng96x-303	Abitibi dike	1147250	14																									
484546	5321612	96eng0022	eng96x-050	bkomatiite	1147250	5																									
484460	5321735	96eng0037	eng96x-061	bkomatiite	1147250	0																									
484334	5321804	96eng0035	eng96x-060	Abitibi dike	1147250																										
484546	5322047	96eng0044	eng96x-068	bkomatiite	1147250	0																									
484520	5321724	96eng0038	eng96x-062	bkomatiite	1147250	2																									
484567	5321687	96eng0039	eng96x-063	bkomatiite	1147250	9																									
484655	5321667	96eng0040	eng96x-064	bkomatiite	1147250	3																									
484583	5322018	96eng0043	eng96x-067	bkomatiite	1147250	7																									
484367	5321880	96eng0302	eng96x-302	felsic flow	1147250	2																									
484599	5321619	96eng0021	eng96x-049	bkomatiite	1147250	0																									
484624	5321590	96eng0020	eng96x-048	bkomatiite	1147250	2																									
484684	5321867	96eng0310	eng96x-306	bkomatiite	1147250																										
484644	5321748	96eng0306	eng96x-304	syenite	1147250	69																									
484549	5321994	96eng0311	eng96x-308	bkomatiite	1147250	7																									
484549	5321994	96eng0311	eng96x-307	bkomatiite	1147250	0																									
484476	5321970	96eng0313	eng96x-309	bkomatiite	1147250	33																									
484183	5321850	96eng0057	eng96x-080	Iron Formation	1147251	0																									
484067	5321810	96eng0032	eng96x-057	felsic flow	1147251	3																									
484212	5321757	96eng0028	eng96x-053	Iron Formation	1147251	219																									
484179	5321752	96eng0029	eng96x-054	Iron Formation	1147251	14																									
484179	5321752	96eng0029	eng96x-055	Iron Formation	1147251	0																									
484118	5321795	96eng0031	eng96x-056	felsic flow	1147251	10																									
483997	5321618	96eng0014	eng96x-038	felsic flow	1147251	2																									
484274	5321833	96eng0034	eng96x-059	felsic flow	1147251	2																									
484274	5321833	96eng0034	eng96x-058	felsic frag	1147251	3																									
484791	5321909	96eng0042	eng96x-066	bkomatiite	1147251	12																									
484171	5322094	96eng0314	eng96x-310	felsic frag	1147251	0																									
483969	5321744	96eng0318	eng96x-312	felsic frag	1147251	0																									
484327	5321892	96eng0301	eng96x-301	felsic flow	1147251	0																									
484301	5321925	96eng0300	eng96x-300	Iron Formation	1147251	231																									
484197	5321786	96eng0058	eng96x-081	felsic frag	1147251	0																									

utm E	utm N	Stn #	Sample #	Rock Name	Claim #	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Sr	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	LOI	TOTAL
484238	5321741	96eng0027	eng96x-052	Iron Formation	1147251	36																									
483955	5321661	96eng0013	eng96x-037	felsic flow	1147251	7																									
484069	5321932	96eng0323	eng96x-316	felsic frag	1147251	17																									
484142	5321670	96eng0017	eng96x-045	felsic flow	1147251	21																									
484084	5321698	96eng0016	eng96x-040	felsic frag	1147251	15																									
484084	5321698	96eng0016	eng96x-041	felsic frag	1147251	2																									
484084	5321698	96eng0016	eng96x-042	felsic frag	1147251	24																									
484142	5321670	96eng0017	eng96x-043	Iron Formation	1147251	0																									
484062	5321706	96eng0015	eng96x-039	felsic frag	1147251	0																									
484142	5321670	96eng0017	eng96x-044	Iron Formation	1147251	38																									
484169	5321657	96eng0018	eng96x-046	Abitibi dike	1147251	5																									
484226	5321622	96eng0019	eng96x-047	Abitibi dike	1147251																										
483769	5321713	96eng0012	eng96x-036	diorite	1147252	2																									
483586	5321752	96eng0011	eng96x-035	felsic flow	1147252	679																									
483683	5321652	96eng0005	eng96x-032	felsic flow	1147252	5																									
483633	5321671	96eng0007	eng96x-033	felsic flow	1147252	12																									
483605	5321684	96eng0008	eng96x-034	felsic flow	1147252	9																									
483665	5321605	96eng0006	eng96x-031	felsic flow	1147252	2																									
483755	5321968	96eng0048	eng96x-072	mafic flow	1147252	0																									
483777	5321614	96eng0004	eng96x-030	felsic frag	1147252	14																									
484680	5327560	95wpo0160	wpo95x-153	mafic flow	1155928	46																									
484680	5327560	95wpo0160	wpo95x-154	mafic flow	1155928	21																									
484660	5327490	95wpo0161	wpo95x-155	mafic flow	1155928	0																									
483194	5327343	95eng0086	eng95x-065	bkomatiite	1155936	3	43 45	6 61	10 77	4 07	23 58	0 05	0 02	0 37	0 17	0 04	20		20	8	25	<30	<1	1270	2100	80	130	80	20	7 86	98 00
482797	5327275	95eng0100	eng95x-101	Iron Formation	1155937	10																									
482797	5327275	95eng0100	eng95x-100	Iron Formation	1155937	10																									
482872	5327022	95eng0101	eng95x-102	gabbro	1155937	9																									
482833	5326683	95eng0115	eng95x-110	felsic frag	1155938	10																									
482885	5326884	95eng0106	eng95x-108	felsic volc	1155938	3																									
482965	5326871	95eng0105	eng95x-106	Iron Formation	1155938	3																									
482965	5326871	95eng0105	eng95x-107	Iron Formation	1155938	2																									
482946	5326773	95eng0206	eng95x-200	felsic volc	1155938	0																									
482806	5326650	95eng0112	eng95x-900	bkomatiite, fsch	1155938	2																									
482806	5326650	95eng0112	eng95x-369	felsic volc	1155938	2	46 33	13 90	17 54	4 46	4 69	2 32	0 01	1 76	0 21	0 12	40		80	26	52	<30	<1	85	180	45	385	50	115	8 09	99 52
482993	5326671	95eng0116	eng95x-111	gabbro	1155939	3																									
483179	5326657	95eng0120	eng95x-116	bkomatiite	1155939	26																									
483121	5326639	95eng0119	eng95x-115	bkomatiite	1155939	7																									
483091	5326653	95eng0118	eng95x-114	gabbro	1155939	7																									
483023	5326665	95eng0117	eng95x-113	felsic volc	1155939	3	49 31	10 28	27 06	1 23	3 81	0 08	0 10	0 37	0 82	0 12	60		70	8	10	<30	<1	<5	110	<5	95	5	75	4 56	97 74
483023	5326665	95eng0117	eng95x-112	Iron Formation	1155939	10																									
483125	5326874	95eng0102	eng95x-104	bkomatiite	1155939	7																									
483157	5326652	95eng0507	eng96x-009	bkomatiite	1155939	10																									
483021	5326869	95eng0104	eng95x-105	Iron Formation	1155939	7																									
483125	5326874	95eng0102	eng95x-103	bkomatiite	1155939	7																									
483245	5326558	95eng0121	eng95x-117	gabbro	1155940	9																									
483239	5326461	95eng0212	eng95x-202	bkomatiite	1155940	45																									
483196	5326362	95eng0214	eng95x-203	mafic volc	1155940	3																									
483170	5326260	95eng0230	eng95x-211	Iron Formation	1155940	21																									
482972	5326313	95eng0084	eng95x-063	felsic volc	1155940	0																									
483206	5326563	95eng0122	eng95x-118	mafic volc	1155940	2																									
483179	5326555	95eng0123	eng95x-119	bkomatiite	1155940	2																									
483225	5326204	95eng0233	eng95x-213	bkomatiite	1155940	12																									
483122	5326274	95eng0229	eng95x-210	gabbro	1155940	2																									
483232	5326248	95eng0234	eng95x-215	Iron Formation	1155940	99																									
483232	5326248	95eng0234	eng95x-214	Iron Formation	1155940	33																									
483159	5326260	95eng0231	eng95x-212	felsic volc	1155940	0																									
483211	5326248	95eng0503	eng96x-004	Iron Formation	1155940	29																									
483021	5326468	95eng0209	eng95x-201	felsic volc	1155940	0																									
483211	5326248	95eng0503	eng96x-006	Iron Formation	1155940	86																									

utm E	utm N	Stn #	Sample #	Rock Name	Claim #	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Sr	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	LOI	TOTAL
483232	5326248	95eng0234	eng95x-217	Iron Formation	1155940	0																									
483232	5326248	95eng0234	eng95x-216	Iron Formation	1155940	2																									
482832	5326204	95eng0226	eng95x-208	gabbro	1155941	2																									
482825	5326583	95eng0109	eng95x-109	gabbro	1155941	5	51 45	11 77	15 66	6 99	2 04	3.15	0 06	1 53	0 25	0 24	50		140	52	43	<30	<1	10	275	30	225	35	140	6 82	99 93
482942	5326587	95eng0127	eng95x-120	felsic volc	1155941	2																									
482909	5326266	95eng0500	eng96x-001	felsic volc	1155941	9																									
482770	5326259	95eng0223	eng95x-207	gabbro	1155941	3																									
482799	5326273	95eng0222	eng95x-206	felsic volc	1155941	0																									
482919	5326277	95eng0221	eng95x-205	felsic volc	1155941	0																									
482839	5326373	95eng0220	eng95x-204	felsic volc	1155941	7																									
482831	5325973	95eng0133	eng95x-123	felsic volc	1155942	0																									
482778	5326058	95eng0132	eng95x-122	felsic volc	1155942	0																									
482919	5325871	95eng0154	eng95x-139	felsic volc	1155942	3																									
482767	5325898	95eng0156	eng95x-140	felsic volc.	1155942	2	62 22	14 97	6 07	3 61	1 27	4 26	1 88	0 62	0 12	0 18	350		90	10	16	<30	<1	20	285	10	115	20	85	3 82	99 02
482876	5326166	95eng0227	eng95x-209	gabbro	1155942	3																									
483292	5326157	95eng0237	eng95x-218	bkomatiite	1155943	75																									
483226	5326162	95eng0238	eng95x-219	Iron Formation	1155943	0																									
483226	5326162	95eng0238	eng95x-220	Iron Formation	1155943	24																									
483250	5326151	95eng0504	eng96x-005	Iron Formation	1155943	21																									
483004	5326183	95eng0085	eng95x-064	felsic volc	1155943	0																									
483255	5325862	95eng0148	eng95x-134	bkomatiite	1155943	0																									
483260	5326051	95eng0501	eng96x-002	Iron Formation	1155943	5																									
483226	5326162	95eng0238	eng95x-221	Iron Formation	1155943	2																									
482995	5325876	95eng0153	eng95x-138	felsic volc	1155943	2																									
483193	5325858	95eng0150	eng95x-137	gabbro	1155943	3	47 08	11 95	16.70	6 68	4 00	1 56	0 20	1 77	0 19	0 16	70		80	32	51	<30	<1	50	295	45	375	50	155	8 09	98 40
483235	5325859	95eng0149	eng95x-136	felsic volc	1155943	0																									
483235	5325859	95eng0149	eng95x-135	felsic volc	1155943	0																									
483262	5326054	95eng0143	eng95x-130	Iron Formation	1155943	0																									
483263	5325831	95eng0147	eng95x-133	bkomatiite	1155943	2																									
482958	5326073	95eng0129	eng95x-121	gabbro	1155943	2																									
483281	5326056	95eng0142	eng95x-129	bkomatiite	1155943	3	40 58	8 88	10 01	6 81	14 99	1 69	0 04	0 41	0 16	0 06	20		30	8	30	<30	<1	530	1470	45	155	55	40	13 94	97 57
483297	5325953	95eng0140	eng95x-128	bkomatiite	1155943	3	42 44	9 56	13 50	4 37	18 94	1 31	0 12	0 54	0 17	0 04	40		30	12	36	<30	<1	675	2240	70	220	75	145	9 19	100 18
483242	5325957	95eng0139	eng95x-127	Iron Formation	1155943	55																									
483242	5325957	95eng0139	eng95x-126	felsic volc	1155943	21																									
483128	5325974	95eng0137	eng95x-125	felsic volc	1155943	5																									
483037	5325970	95eng0135	eng95x-124	felsic volc	1155943	3																									
483226	5326162	95eng0238	eng95x-222	Iron Formation	1155943	7																									
483057	5325647	95eng0017	eng95x-019	felsic volc	1155944	3	70 61	14 08	4 39	2 06	1 95	0 65	0 68	0 48	0 04	0 16	140		100	10	10	< 30	< 1	15	370	35	105	15	35	2 77	97 88
483243	5325455	95eng0243	eng95x-227	Iron Formation	1155944	5																									
483036	5325574	95eng0164	eng95x-147	Iron Formation	1155944	31																									
482955	5325570	95eng0170	eng95x-152	gabbro	1155944	0	49 31	13 78	14 80	7 40	6 73	2 42	0 14	1 15	0 22	0 10	50		70	24	49	<30	<1	105	215	110	310	40	75	4 35	100 40
483036	5325574	95eng0171	eng95x-153	felsic volc	1155944	0																									
483264	5325561	95eng0173	eng95x-154	bkomatiite	1155944	0	39 56	8 53	11 66	6 11	17 82	0 21	0 01	0 48	0 17	0 06	30		20	12	31	<30	<1	620	2515	50	180	70	45	14 42	99 00
483243	5325455	95eng0243	eng95x-228	felsic volc	1155944	0																									
483095	5325777	95eng0526	eng95x-048	mafic volc	1155944	0																									
483145	5325774	95eng0527	eng95x-049	ultra gabbro	1155944	0																									
483163	5325758	95eng0176	eng95x-131	felsic volc	1155944	0																									
483174	5325665	95eng0163	eng95x-146	bkomatiite	1155944	10	40 25	8 66	11 11	7 18	16 52	0 78	0 04	0 41	0 17	0 04	30		20	10	31	<30	<1	500	1915	20	185	65	45	10 80	97 95
483127	5325662	95eng0162	eng95x-144	bkomatiite	1155944	10	37 45	5 38	8 07	10 72	17 01	0 04	0 04	0 28	0 35	0 04	50		20	6	21	<30	<1	915	1830	35	125	50	50	19 61	99 00
483277	5325454	95eng0505	eng96x-007	felsic frag	1155944	12																									
483085	5325768	95eng0175	eng95x-132	bkomatiite	1155944	0																									
483243	5325455	95eng0243	eng95x-226	Iron Formation	1155944	14																									
483243	5325455	95eng0242	eng95x-225	mafic volc	1155944	10																									
483036	5325574	95eng0164	eng95x-148	Iron Formation	1155944																										
483127	5325662	95eng0162	eng95x-145	quartz vein	1155944	3																									
483131	5325482	95eng0241	eng95x-224	felsic volc	1155944	3																									
483131	5325482	95eng0241	eng95x-223	felsic volc	1155944	14																									
482842	5325787	95eng0158	eng95x-142	felsic volc	1155945	0																									
482760	5325705	95eng0169	eng95x-151	felsic volc	1155945	0	62 21	15 89	5 42	1 88	2 73	3 91	1 50	0 62	0 12	0 18	400		110	12	13	<30	<1	45	220	5	105	20	75	3 19	97 64

utm E	utm N	Stn #	Sample #	Rock Name	Claim #	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Sr	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	LOI	TOTAL
482769	5325781	95eng0157	eng95x-141	gabbro	1155945	3	48 82	13 82	13 31	4 99	7 00	2 62	0 06	0 98	0 17	0 10	50		40	20	54	<30	<1	90	180	40	340	45	75	7 73	99 62
482811	5325687	95eng0168	eng95x-150	bkomatiite	1155945	0	42 50	6 23	11 96	8 56	19 16	0 08	0 01	0 33	0 24	0 04	80		20	4	21	<30	<1	1110	1975	290	125	70	85	8 84	97 95
482935	5325671	95eng0166	eng95x-149	ultra gabbro	1155945	7																									
482930	5325773	95eng0160	eng95x-143	gabbro	1155945	0	41 38	9 19	11 98	12 15	4 43	0 61	1 28	0 34	0 72	0 12	190		60	6	9	<30	<1	10	295	<5	115	20	50	17 75	99 96
482843	5325178	95eng0180	eng95x-158	felsic volc	1158545	2																									
482738	5325286	95eng0258	eng95x-237	gabbro	1158545	0																									
482849	5325089	95eng0183	eng95x-159	felsic volc	1158545	0	61 54	16 11	5 44	2 12	1 94	5 60	0 98	0 59	0 09	0 16	240		110	10	13	<30	<1	30	140	5	80	15	60	3 07	97 64
482884	5325173	95eng0179	eng95x-157	felsic/ultra	1158545	0																									
482789	5324759	95eng0308	eng95x-307	felsic volc	1158546	0																									
482904	5324873	95eng0270	eng95x-246	felsic volc	1158546	0																									
482699	5324556	95eng0305	eng95x-303	felsic volc	1158546	0																									
483179	5324857	95eng0275	eng95x-252	felsic volc	1158547	0																									
483234	5324754	95eng0310	eng95x-359	felsic volc	1158547	3																									
483232	5324925	95eng0018	eng95x-020	felsic volc	1158547	7	56 45	19 95	10 12	0 36	1 06	1 50	4 16	0 73	0 05	0 18	1850		170	16	11	< 30	4	25	145	< 5	95	< 5	45	3 51	98 08
483172	5324658	95eng0301	eng95x-301	felsic volc	1158547	3																									
483232	5324925	95eng0018	eng95x-022	felsic volc	1158547	15																									
483160	5324859	95eng0274	eng95x-251	felsic volc	1158547	10																									
483232	5324925	95eng0018	eng95x-021	Iron Formation	1158547	132																									
483237	5324568	95eng0300	eng95x-300	Iron Formation	1158547	5																									
483087	5324548	95eng0306	eng95x-304	felsic volc	1158547	0																									
483055	5324664	95eng0302	eng95x-302	felsic volc	1158547	0																									
482933	5324874	95eng0271	eng95x-247	felsic volc	1158547	0																									
482961	5324865	95eng0272	eng95x-248	felsic volc	1158547	0																									
483037	5324854	95eng0273	eng95x-249	felsic volc	1158547	0																									
483037	5324854	95eng0273	eng95x-250	quartz vein	1158547	0																									
483234	5324754	95eng0310	eng95x-306	felsic volc	1158547	0																									
483030	5324744	95eng0309	eng95x-305	felsic volc	1158547	0																									
483248	5324963	95eng0193	eng95x-171	felsic volc	1158548	3																									
483099	5325069	95eng0186	eng95x-161	felsic volc	1158548	0	58 17	12 27	11 15	5 97	1 60	2 33	0 86	0 45	0 45	0 12	290		80	8	10	<30	<1	20	150	10	75	10	55	7 29	100 67
483053	5325163	95eng0177	eng95x-155	felsic volc	1158548	0																									
483280	5325054	95eng0189	eng95x-165	felsic volc	1158548	0																									
483280	5325054	95eng0189	eng95x-164	Iron Formation	1158548	3																									
483280	5325054	95eng0189	eng95x-163	felsic volc	1158548	0																									
483217	5325058	95eng0188	eng95x-162	felsic volc	1158548	0																									
482930	5325089	95eng0185	eng95x-160	felsic volc	1158548	0	65 14	14 76	5 87	2 65	0 75	1 54	2 50	0 55	0 20	0 16	720		80	8	8	<30	<1	45	280	10	75	15	20	4 29	98 39
483002	5325136	95eng0178	eng95x-156	felsic/ultra	1158548	0																									
483029	5325259	95eng0257	eng95x-236	felsic volc	1158548	0																									
483221	5325364	95eng0247	eng95x-230	felsic volc	1158548	0																									
483166	5325266	95eng0260	eng95x-238	felsic volc	1158548	0																									
482950	5325364	95eng0251	eng95x-231	felsic volc	1158548	0																									
483182	5325350	95eng0255	eng95x-235	felsic volc	1158548	0																									
483238	5324936	95eng0264	eng95x-244	Iron Formation	1158548	45																									
483152	5324934	95eng0266	eng95x-245	felsic volc	1158548	0																									
483248	5324963	95eng0193	eng95x-358	Iron Formation	1158548	27																									
483209	5325246	95wpo0144	wpe95x-131	Iron Formation	1158548	0																									
483200	5325366	95eng0254	eng95x-234	felsic volc	1158548	5																									
483168	5325364	95eng0253	eng95x-233	felsic volc	1158548	0																									
483615	5325377	95eng0252	eng95x-232	felsic volc	1158548	0																									
483369	5325154	95eng0502	eng96x-003	Iron Formation	1158550	14																									
483372	5325355	95eng0245	eng95x-243	bkomatiite	1158550	5	42 49	8 91	12 67	6 23	17 36	0 84	0 01	0 54	0 17	0 04	10		30	12	54	<30	<1	645	2120	35	180	75	50	10 42	99 71
483372	5325350	95eng0244	eng95x-242	ultramafic	1158550	0	41 51	2 96	8 92	4 82	26 73	0 01	0 01	0 19	0 10	0 01	20		10	2	12	<30	<1	1815	1300	5	70	90	10	12 48	97 73
483336	5325248	95eng0261	eng95x-240	Iron Formation	1158550	27																									
483336	5325248	95eng0261	eng95x-239	Iron Formation	1158550	21																									
483372	5325259	95eng0262	eng95x-241	bkomatiite	1158550	0																									
483333	5325044	95eng0185	eng95x-166	bkomatiite	1158550	0	42 41	8 89	10 90	6 56	15 76	1 74	0 06	0 48	0 23	0 04	40		30	10	30	<30	<1	550	1815	60	160	65	55	13 63	100 71
483324	5324951	95eng0194	eng95x-170	bkomatiite	1158550	0	38 90	10 17	12 77	6 89	15 38	0 03	0 01	0 52	0 25	0 04	40		30	12	33	<30	<1	565	2090	5	200	65	80	15 35	100 30
483367	5325163	95eng0191	eng95x-167	felsic volc	1158550	0																									
483359	5325355	95eng0246	eng95x-229	felsic volc	1158550	0																									
483367	5325163	95eng0191	eng95x-169	Iron Formation	1158550	5																									

utm E	utm N	Stn #	Sample #	Rock Name	Claim #	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Sr	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	LOI	TOTAL
483367	5325163	95eng0191	eng95x-168	felsic volc	1158550	17																									
483945	5325727	95eng0321	eng95x-181	mafic volc	1158552	0																									
484044	5325703	95eng0199	eng95x-179	mafic/gabbro	1158552	0																									
483995	5325725	95eng0320	eng95x-180	mafic volc	1158552	0																									
483868	5325126	95eng0324	eng95x-183	mafic volc	1158553	0	50 10	14 02	13 19	4.42	7 74	2.64	0 20	0 91	0 18	0 08	50		50	20	53	<30	<1	80	170	95	300	40	35	7 06	100 56
483928	5325135	95eng0323	eng95x-182	mafic volc	1158553	0																									
483707	5326591	95eng0286	eng95x-256	bkomatiite	1158560	0	45 90	6 86	9 80	3 51	21 82	0 37	0 10	0 29	0 16	0 02	40		10	6	24	<30	<1	1135	1410	20	125	60	10	9 01	97 86
483733	5326482	95eng0196	eng95x-356	mafic volc	1158561	0	48 05	14 22	10 79	8 73	9 34	2 77	0 12	0 59	0 18	0 06	40		40	10	44	<30	<1	195	275	60	210	50	35	5 93	100 77
483733	5326482	95eng0196	eng95x-172	mafic volc	1158561	9	54 63	16 35	9 99	3 09	5 76	1 06	2 46	0 73	0 12	0 06	300		30	10	49	<30	<1	155	400	65	265	45	25	4 52	98 77
483850	5326629	95eng0285	eng95x-255	mafic volc	1158563	0	51 23	14 40	11 55	4 84	7 99	1 88	0 38	0 62	0 22	0 06	130		30	10	43	<30	<1	175	320	65	215	50	55	7 45	100 59
483911	5326610	95eng0284	eng95x-254	mafic volc	1158563	2	55 96	12 82	6 98	5 32	6 28	3 56	2 30	0 61	0 12	0 36	780		130	16	16	<30	2	95	625	30	115	25	50	5 12	99 43
483977	5326816	95eng0277	eng95x-253	mafic volc	1158563	5																									
484033	5326407	95eng0195	eng95x-357	mafic volc	1158564	10																									
484080	5325902	95eng0289	eng95x-257	mafic volc	1158565	0																									
484000	5325824	95eng0290	eng95x-258	mafic volc	1158565	0	54 61	15 65	7 73	4 33	5 40	2 98	1 02	0 68	0 21	0 06	200		30	12	43	<30	<1	140	340	65	250	45	55	6 69	99 34
484027	5325820	95eng0291	eng95x-259	felsic volc	1158565	0	60 56	14 94	4 81	3 79	2 73	5 27	1 48	0 47	0 08	0 18	950		110	10	12	<30	1	45	205	15	95	15	55	3 86	98 18

Table 5. Calculated # of Standard Deviations from the Average for each Rock Type

utm E	utm N	Sample #	Geoch Nam	Au	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Zr	Y	Sc	Ni	Cr	Cu	V	Co	Zn	LOI
483324	5324951	eng95x-170	bkomatiite	-0 8	-1 0	0 8	0 3	-0 0	-0 3	-0 8	-0 8	-0 1	0 2	-0 4	-0 2	-0 4	0 1	0 7	-0 5	0 6	-0 9	0 7	-0 2	0 4	0 6
483297	5325953	eng95x-128	bkomatiite	-0 1	0 1	0 5	0 5	-1 0	0 7	1 2	1 7	-0 0	-0 6	-0 4	-0 2	-0 4	0 1	1 2	-0 2	0 9	0 1	1 1	0 5	2 2	-0 8
483174	5325665	eng95x-146	bkomatiite	1 6	-0 1	0 3	-0 1	0 2	0 2	0 4	-0 1	-0 4	-0 5	-0 4	-0 3	-0 6	-0 2	0 4	-0 7	0 4	-0 7	0 4	-0 2	-0 5	-0 3
483127	5325662	eng95x-144	bkomatiite	1 6	-1 3	-1 4	-1 2	1 5	0 2	-0 8	-0 1	-0 8	1 3	-0 4	-0 1	-0 6	-0 8	-1 2	0 5	0 3	-0 4	-0 9	-1 2	-0 3	1 6
482891	5316983	eng95x-261	bkomatiite	-0 8	2 1	1 2	-1 3	0 4	-1 7	1 5	0 3	0 1	-0 8	3 5	3 9	2 6	1 1	-1 0	-1 5	-1 4	-0 1	-0 7	-2 3	0 2	-0 5
483264	5325561	eng95x-154	bkomatiite	-0 8	-0 7	0 1	-0 0	-0 3	0 4	-0 6	-0 8	-0 2	-0 6	-0 3	-0 3	-0 6	0 1	0 4	-0 3	1 3	-0 2	0 3	0 2	-0 5	0 4
483372	5325355	eng95x-243	bkomatiite	0 4	0 1	0 2	0 3	-0 2	0 3	0 5	-0 8	-0 0	-0 6	-0 4	-0 6	-0 4	0 1	0 9	-0 2	0 7	-0 4	0 3	0 5	-0 3	-0 5
483281	5326056	eng95x-129	bkomatiite	-0 1	-0 2	0 3	-0 5	0 0	-0 3	1 9	-0 1	-0 4	-0 6	-0 3	-0 5	-0 4	-0 5	0 2	-0 6	-0 3	-0 3	-0 2	-0 9	-0 6	0 4
482920	5318598	eng95x-283	bkomatiite	0 4	0 4	1 7	1 0	-1 3	-0 9	-0 5	2 2	1 0	-1 2	1 5	-0 3	1 1	1 7	1 0	-1 7	-1 8	-0 9	-0 0	-0 5	1 0	-0 5
483707	5326591	eng95x-256	bkomatiite	-0 8	1 4	-0 7	-0 6	-1 2	1 7	-0 3	1 3	-0 8	-0 7	-0 6	-0 2	-0 8	-0 8	-0 7	1 2	-0 4	-0 7	-0 9	-0 5	-1 4	-0 8
482412	5317414	eng95x-194	bkomatiite	-0 8	1 4	-0 4	0 5	-0 3	-0 8	-0 7	1 2	2 8	3 1	0 3	-0 2	1 9	0 4	-0 7	-0 2	-0 9	1 2	0 7	-0 5	0 3	-0 6
483194	5327343	eng95x-065	bkomatiite	-0 1	0 8	-0 8	-0 3	-1 0	2 3	-0 8	-0 6	-0 5	-0 5	-0 4	-0 5	-0 6	-0 5	-0 6	1 6	0 7	0 3	-0 8	0 9	-1 1	-1 0
482613	5318289	eng95x-373	bkomatiite	2 6	-1 9	-1 4	-0 6	2 1	-1 1	-0 7	-0 8	-0 9	1 2	-0 4	0 0	-0 8	-0 8	-1 0	1 7	0 7	-0 7	-1 1	0 9	-0 9	2 2
482652	5318403	eng95x-378	bkomatiite	-0 3	-0 9	-1 3	-1 0	1 8	-0 7	-0 9	-0 8	-0 9	0 0	-0 6	-0 1	-0 4	-1 2	-1 0	1 1	0 8	0 0	-1 1	0 9	-1 0	1 7
484600	5319534	eng95x-012	bkomatiite	-0 8	-0 6	1 8	3 2	-1 1	-0 8	-0 6	-1 1	2 1	0 1	0 2	-0 5	1 1	2 7	2 3	-0 9	-2 3	0 3	2 9	2 3	2 2	-1 4
483333	5325044	eng95x-166	bkomatiite	-0 8	-0 0	0 2	-0 3	-0 1	-0 3	1 9	0 3	-0 2	0 0	-0 4	-0 2	-0 4	-0 2	0 2	-0 5	0 2	-0 1	-0 1	-0 2	-0 2	0 2
482811	5325687	eng95x-150	bkomatiite	-0 8	0 4	-1 0	0 1	0 7	0 9	-0 8	-0 8	-0 7	0 2	-0 4	0 3	-0 6	-1 2	-1 2	1 1	0 5	3 4	-0 9	0 2	0 6	-0 8
483232	5324925	eng95x-020	felsic flow	1 5	-0 4	2 3	0 3	-1 5	-0 8	-1 0	2 4	0 2	-0 7	0 3	2 7	1 8	0 8	-0 5	-0 5	-0 7	-0 9	-0 4	-1 3	-0 5	-0 5
481937	5319246	eng95x-380	felsic flow	-0 8	0 6	1 2	-0 8	-0 6	-0 6	2 0	-0 4	-0 3	-0 7	-0 0	-0 6	1 0	0 0	-0 4	-0 7	2 5	1 0	-0 4	0 5	-1 2	-1 5
482530	5318129	eng95x-029	felsic flow	0 8	1 4	0 9	-0 8	-1 5	-1 3	-0 1	0 0	-0 2	-0 5	-0 1	-0 2	0 4	-1 2	-0 4	-0 7	1 3	0 1	-0 4	-0 6	-1 2	-0 9
483099	5325069	eng95x-161	felsic flow	-0 8	-0 4	-1 4	0 4	1 6	-0 5	-0 5	-0 5	-0 7	1 4	-0 8	-0 4	-0 6	-0 8	-0 5	-0 7	-0 7	-0 6	-0 7	-0 6	-0 2	1 3
482760	5325705	eng95x-151	felsic flow	-0 8	0 5	0 5	-0 5	-0 6	0 2	0 4	0 1	-0 1	-0 3	0 3	-0 1	0 2	0 0	-0 3	0 3	-0 2	-0 7	-0 3	0 1	0 5	-0 7
482849	5325089	eng95x-159	felsic flow	-0 8	0 4	0 6	-0 5	-0 5	-0 3	1 4	-0 3	-0 2	-0 5	-0 0	-0 5	0 2	-0 4	-0 3	-0 3	-0 8	-0 7	-0 6	-0 3	0 0	-0 8
482767	5325898	eng95x-140	felsic flow	-0 1	0 3	-0 1	-0 4	0 3	-0 7	0 6	0 4	-0 2	-0 3	0 3	-0 2	-0 4	-0 4	-0 2	-0 7	0 2	-0 6	-0 2	0 1	0 9	-0 4
482930	5325089	eng95x-160	felsic flow	-0 8	0 8	-0 1	-0 4	-0 2	-1 0	-1 0	1 0	-0 4	0 1	-0 0	0 5	-0 6	-0 8	-0 7	0 3	0 2	-0 6	-0 7	-0 3	-1 4	-0 1
483023	5326665	eng95x-113	felsic flow	0 2	-1 4	-2 1	3 2	-1 0	0 9	-1 8	-1 1	-1 0	3 4	-0 7	-0 8	-0 9	-0 8	-0 5	-1 4	-1 0	-0 9	-0 4	-1 0	0 5	0 0
483057	5325647	eng95x-019	felsic flow	0 2	1 6	-0 4	-0 7	-0 5	-0 3	-1 5	-0 6	-0 6	-0 8	-0 0	-0 7	-0 1	-0 4	-0 5	-0 9	0 8	0 3	-0 3	-0 3	-0 9	-0 9
482089	5316987	eng95x-176	felsic flow	1 5	-0 6	-0 3	0 2	-0 3	1 5	0 9	-0 8	1 2	-0 3	2 7	-0 5	-0 1	1 6	0 5	0 7	1 6	2 3	0 9	1 2	0 4	0 3
484027	5325820	eng95x-259	felsic flow	-0 8	0 2	-0 0	-0 6	0 4	0 2	1 2	0 1	-0 6	-0 5	0 3	1 0	0 2	-0 4	-0 4	0 3	-0 3	-0 4	-0 4	-0 3	-0 2	-0 4
481254	5318050	eng95x-024	felsic flow	-0 8	1 0	-1 1	-0 6	1 0	-1 1	-0 4	0 4	-0 7	0 4	-0 0	-0 1	0 4	-0 4	-0 9	-0 5	0 4	-0 9	-0 7	-1 3	-1 2	-0 3
482929	5317084	eng95x-265	felsic flow	2 4	0 4	0 6	-0 9	-0 0	-0 8	0 1	2 1	-0 2	-0 7	1 6	2 1	2 3	-1 2	-0 9	-0 9	-1 1	-0 7	-1 0	-1 0	0 0	-0 1
482904	5318186	eng95x-277	felsic flow	-0 8	-1 0	0 0	0 2	0 6	1 9	0 3	-1 1	0 2	-0 1	-1 8	-0 9	-1 4	0 8	2 0	1 6	-0 8	0 8	1 3	1 2	2 1	1 1
482806	5326650	eng95x-369	felsic flow	-0 1	-1 9	-0 6	1 5	0 8	1 4	-0 5	-1 2	3 5	0 1	-0 7	-0 9	-0 6	2 8	2 1	1 8	-0 5	0 6	2 9	2 3	1 9	1 8
482899	5317958	eng95x-276	felsic flow	-0 8	-1 5	-0 1	0 3	2 3	1 3	-0 2	-0 6	0 1	0 0	-1 4	-0 5	-1 7	0 4	2 1	2 2	-0 8	2 0	1 5	1 5	0 2	2 2

* formula used is (value-average) std

Table 5. continued

utm E	utm N	Sample #	Geoch Nam	Au ppb	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Zr	Y	Sc	Ni	Cr	Cu	V	Co	Zn	LOI
481750	5317825	**eng95x-025**	felsic int	-08	-19	03	19	19	20	-18	-18	13	16	15	-13	-07	16	19	19	17	20	19	18	-05	20
482684	5317724	**eng95x-033**	felsic int	17	07	07	-07	-06	-06	09	00	-02	-10	-05	08	12	-03	-07	-08	06	-07	-08	-12	-03	-06
482604	5318529	**eng95x-379**	felsic int	-06	-00	09	02	-03	-03	01	12	08	06	09	10	-00	05	-01	-00	-08	-02	-01	03	19	-02
482897	5318364	**eng95x-281**	felsic int	-08	03	10	-07	-02	-05	09	-01	-15	-01	-12	-11	-15	-13	-06	-05	-08	-04	-02	-04	-11	-04
482527	5318692	**eng95x-385**	felsic int	-03	09	07	-07	-09	-05	-00	06	-05	-10	-06	06	10	-06	-06	-05	-07	-07	-09	-04	00	-07
482930	5325773	**eng95x-143**	gabbro	-11	-19	-17	-15	19	-02	-16	20	-16	20	-05	20	-05	-14	-20	-11	09	-12	-17	-17	-12	19
482955	5325570	**eng95x-152**	gabbro	-11	04	09	01	-01	10	04	-04	-00	-04	-08	-06	-02	-02	05	13	-08	18	04	02	-06	-10
482769	5325781	**eng95x-141**	gabbro	04	04	10	-07	-11	12	06	-06	-04	-07	-08	-06	-11	-04	08	09	-16	-01	07	07	-06	-03
483193	5325858	**eng95x-137**	gabbro	04	00	00	14	-04	-04	-06	-03	13	-06	03	-02	01	03	06	-01	09	00	11	12	14	-02
482825	5326583	**eng95x-109**	gabbro	14	11	-02	06	-03	-15	12	-06	07	-03	18	-06	18	17	01	-11	05	-04	-05	-03	10	-05
483850	5326629	**eng95x-255**	mafic flow	-06	02	04	-05	-07	12	-07	-04	-09	04	-06	-03	-11	-11	-01	18	05	-03	-09	07	-05	05
482917	5317145	**eng95x-267**	mafic flow	-06	-21	04	03	-02	06	-24	23	-02	-03	-05	01	02	-02	07	01	-07	-01	-00	01	12	19
481799	5316880	**eng95x-184**	mafic flow	-06	-12	-13	-10	06	02	11	09	-02	-01	16	13	04	-06	-10	-03	07	-06	-07	-10	-10	18
483911	5326610	**eng95x-254**	mafic flow	-03	18	-06	-19	-04	02	11	23	-09	-18	16	27	11	-06	-21	01	27	-13	-19	-22	-07	-03
484000	5325824	**eng95x-258**	mafic flow	-06	14	15	-17	-09	-03	04	05	-08	02	-06	00	-11	-09	-01	11	07	-03	-05	01	-05	02
482408	5316812	**eng95x-355**	mafic flow	30	-11	12	04	-05	19	01	-07	-02	08	-03	-06	-02	01	15	-02	-09	04	02	07	-05	-02
482893	5317262	**eng95x-269**	mafic flow	-06	02	-07	-00	-03	01	-03	-03	-06	-04	-05	29	-07	-04	04	-07	-14	-09	-00	01	-04	06
482462	5316861	**eng95x-354**	mafic flow	19	-07	07	-02	-02	04	07	-07	-04	-05	-05	-07	-05	-04	07	-02	-09	10	00	-05	-11	06
482920	5317238	**eng95x-268**	mafic flow	-06	06	13	-06	-11	-01	17	-07	-03	-09	-05	-08	-07	-02	-18	02	-09	01	00	-05	-05	-01
482911	5318222	**eng95x-278**	mafic flow	-06	09	03	01	-20	10	02	-08	-06	-02	-06	-08	-09	-04	10	01	01	22	-01	07	-05	-02
483868	5325126	**eng95x-183**	mafic flow	-06	-01	01	-00	-09	10	01	-06	-03	-05	-05	-07	-07	-02	06	-02	-05	06	-00	-05	-11	03
482911	5317898	**eng95x-275**	mafic flow	-06	06	08	-01	-08	-10	-12	08	-05	-11	-05	12	-07	-06	12	03	00	14	-01	18	-01	04
482684	5317724	**eng95x-032**	mafic flow	-03	-20	-25	-09	23	05	07	-05	-04	09	40	-06	20	01	-14	19	19	-03	-12	-05	-08	22
483733	5326482	**eng95x-356**	mafic flow	-06	-08	03	-08	12	20	02	-07	-10	-05	-06	-07	-09	-11	-01	22	02	-04	-10	07	-11	-00
484710	5319307	**eng95x-008**	mafic flow	-03	-06	-01	08	15	03	-06	01	06	06	-03	01	-09	-01	04	01	00	01	09	07	06	-12
484781	5318973	**eng95x-005**	mafic flow	06	-02	-09	17	07	-11	14	-06	21	23	03	-06	18	23	02	-17	11	-01	18	12	10	-16
485097	5317974	**eng95x-001**	mafic flow	22	-04	-10	17	11	-12	-05	-03	20	03	01	-05	16	16	01	-08	-05	-17	16	01	12	-10
484553	5319598	**eng95x-013**	mafic flow	-06	-03	-07	13	01	-04	04	-04	09	08	-02	-03	07	06	04	-05	-14	16	10	07	19	-08
484789	5319110	**eng95x-006**	mafic flow	02	-00	-08	12	06	-11	12	-05	19	15	-00	-04	11	18	04	-06	08	01	22	12	17	-12
484674	5319482	**eng95x-011**	mafic flow	-06	05	-10	18	00	-17	-06	-08	21	10	05	-06	09	26	01	-17	-12	-17	-05	-05	16	-11
482913	5318427	**eng95x-282**	mafic flow	-06	-03	-02	-06	-00	-02	05	-05	-06	02	-05	-04	-09	-02	04	-06	-04	-01	-01	-10	03	12
484500	5319834	**eng95x-017**	mafic flow	-06	-02	03	10	01	-03	07	-07	05	09	-03	-06	-00	04	04	-03	-02	01	12	07	13	-11
484289	5320417	**eng95x-018**	mafic flow	-06	07	-01	-06	15	05	-10	-08	-05	01	-05	-07	-07	-04	06	-01	-08	17	03	01	05	-07
482255	5318060	**eng95x-027**	mafic flow	02	16	07	-04	-03	-22	-15	06	-11	-18	-00	01	13	-09	-27	-13	-02	-13	-18	-28	-08	01
483733	5326482	**eng95x-172**	mafic flow	09	15	21	-09	-15	-01	-16	25	-07	-18	-06	05	-11	-11	03	14	11	-03	-04	01	-14	-05
483372	5325350	**eng95x-242**	ultramafic	not available due to limited = of samples available for statistical calculations																					

Jensen Plot

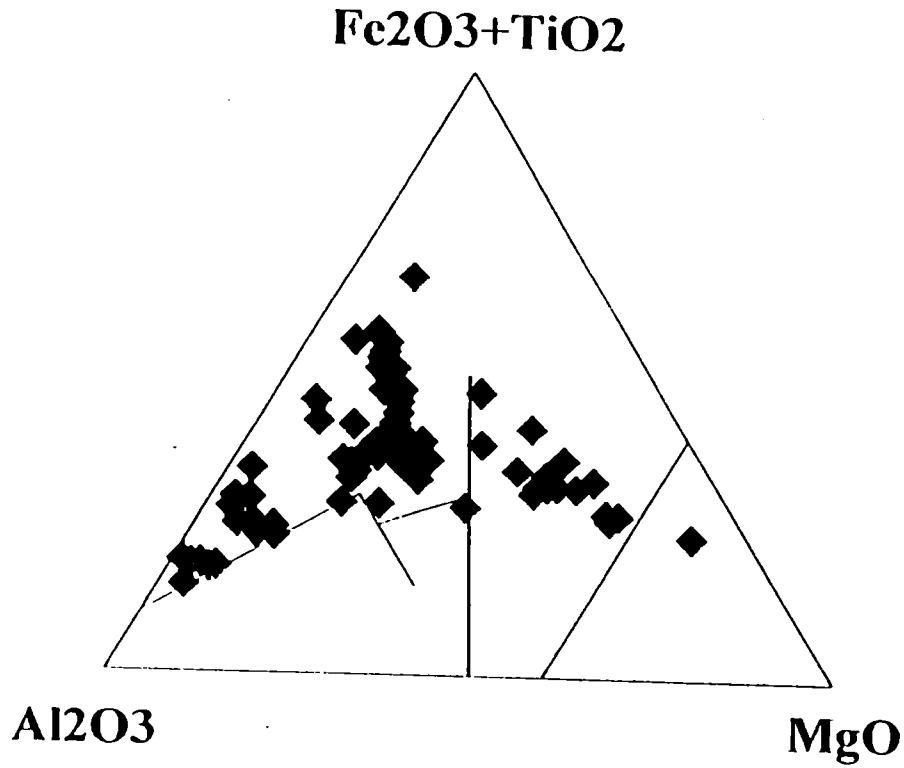


Figure 4. Jensen Plot of English Project Data

variations presented as standard deviations away from the average indicate variable degrees of alteration and volume/mass change. Gains and losses for the ultramafic rock types when compared to the type sample from Munro Township display enrichments in gold, Al_2O_3, Fe_2O_3, CaO, Na_2O, TiO_2, Ba, Zr, Cu, V and LOI. Losses for ultramafic samples occur in SiO_2, MgO, and K_2O. Mafic volcanic lithologies were compared to the AGI average basalt composition and indicate that there has been enrichments in Au, SiO_2, and Fe_2O_3 and losses in Al_2O_3, CaO, K_2O, TiO_2, and P_2O_5.

The gains and losses associated with the mafic and ultramafic rocks indicate that the geochemistry displays few similarities to those gains and losses at major deposit sites. The gains and losses associated with the felsic rocks also do not appear to follow the gains and losses associated with the Bousquet type deposits.

9.0 Conclusions

The "A" and "B" blocks displays relict primary textures and rock types that indicate a change from a felsic volcanic dominated environment with associated VMS type exhalative sulphide-oxide iron formations to a subaqueous mafic to ultramafic regime. The change from the felsic to mafic regime appears sharp with no visible unconformity observed. The Abitibi dike and smaller Nipissing diabase dikes intruding the property appears to have had little affect on the lithologies in the immediate vicinity of the dike.

The regional deformation has not disrupted the stratigraphy in the "A" or "B" blocks to any large degree, but has resulted in pervasive foliations, shears and faulting that has juxtapositioned various fault blocks. The variable foliation observed in the two blocks is indicative of polyphase folding and faulting.

Mineralization within the different lithologies is characterized by pervasive disseminated pyrite usually less than 1%, with minor pyrrhotite present in the ultramafics and chalcopyrite (rare) in fractures associated with mafic and felsic rock types. The pervasive pyrite mineralization appears to be recrystallized with the euhedral pyrite crystals apparently unaffected by the pervasive foliation and deformation. The highest gold values obtained from the property fall into two groupings: 1) Iron Formation related, and 2) unknown. The unknown group contains all anomalous samples whose relationship (spatial, alteration etc..) with the anomalous gold values is not currently understood.

Alteration of the lithologies is variable in the degree and mineral assemblages present. The felsics display variable albitization, silicification and saussurite and lesser chlorite. The few samples that carry gold appear to be the strongly silicified and albitized. The ultramafics are moderately carbonatized and chloritized with variable talc, serpentine and fuchsite alteration present. The mafic volcanics are chlorite and calcite rich with minor dolomite and epidote present. Dikes intruding the host lithologies depending upon their age and composition also display variable mineral assemblages associated with alteration (epidote, saussurite, ilmenite)

10.0 Recommendations

Based on the work completed during the 1995 exploration program and a review of previous work it is recommended that the following exploration program be instituted for 1996.

A reconnaissance till and soil sampling program is proposed based upon the success by Esso (1988) on adjoining ground for the English property in order to delineate possible anomalies in areas of low rock exposure.

"A" Block

The southern portion of the "A" grid should be extended to the west in order to facilitate a greater IP coverage area of geophysically prospective areas. The "A" grid should also be extended to the east (orientation of grid still to be determined) to cover previously discovered IP anomalies in order to facilitate mapping and possible trenching and stripping. If significant surface mineralization and alteration are exposed on surface then a drilling program maybe conducted to test the dip extent of the mineralization findings.

"B" Block

Followup on areas that display anomalous gold values should be undertaken with an intent to expand the exposure in the area. The lack of rock exposure in this block will necessitate the use of some trenching and stripping in some localities where gold, till, soil or IP anomalies persist. A drilling program may be required to test those areas that display significant mineralization and/or alteration.

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CERTIFICATE OF QUALIFICATIONS

I, Peter Chubb, of Apt#201, 1490 Kelly Lake Road, Sudbury, Ontario, P3E 4L9, do hereby certify that:

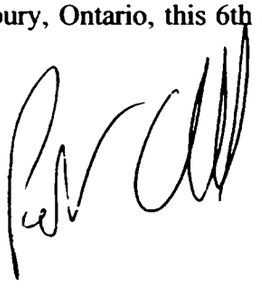
I am currently employed as a Geologist by Cameco Corporation, 1349 Kelly Lake Road, Unit#6, Sudbury, Ontario, P3E 5P5

I graduated from Carleton University in 1989 with a Bachelor of Science degree (Honours) in Geology, and Laurentian University in 1994 with a Masters of Science degree (1st Class) in Geology. I have been practicing my profession continuously since graduation.

I am a member in good standing of the Geological Association of Canada, the Canadian Mining, Metallurgy and Petroleum Institute, the Sudbury Geological Discussion Group and the Sudbury Prospectors and Developers Association.

I am directly responsible for the work outlined in this report and was present on the property when the work was being carried out.

Signed at Sudbury, Ontario, this 6th day of June, 1996.



Peter T.A. Chubb
Geologist, M.Sc.

Appendix A
Major Oxide and Gold Assay Data Sheets

Swastika Laboratories

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

6W-0136-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P. Chubb

Date: JAN-22-96

We hereby certify the following Geochemical Analysis of 29 Grab samples submitted JAN-15-96 by .

Sample Number	Au PPB	Au Check PPB
ENG 96x-001	9	-
ENG 96x-002	5	-
ENG 96x-003	14	-
ENG 96x-004	29	-
ENG 96x-005	21	17
ENG 96x-006	86	82
ENG 96x-007	12	-
[redacted]		
ENG 96x-009	10	-
[redacted]		

One assay ton portion used.

Certified by _____

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300

Swastika Laboratories

A Division of TSL/Assayers Inc.

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

6W-1888-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P.Chubb

Date: JUN-03-96

We hereby certify the following Geochemical Analysis of 78 Grab samples submitted MAY-29-96 by .

Sample Number	Au PPB	Au Check PPB	WRA -
[redacted]			
ENG96X-030	14	-	follow
ENG96X-031	2	-	
ENG96X-032	5	-	
ENG96X-033	12	-	
ENG96X-034	9	-	
ENG96X-035	679	554	
ENG96X-036	2	-	
ENG96X-037	7	-	
ENG96X-038	2	-	
ENG96X-039	Nil	-	
ENG96X-040	15	-	
ENG96X-041	2	-	
ENG96X-042	24	-	
ENG96X-043	Nil	-	
ENG96X-044	38	41	
ENG96X-045	21	-	
ENG96X-046	5	-	
ENG96X-048	2	-	
ENG96X-049	Nil	-	
ENG96X-050	5	-	
ENG96X-051	21	-	
ENG96X-052	36	-	
ENG96X-053	199	219	
ENG96X-054	14	-	
ENG96X-055	Nil	-	
ENG96X-056	10	-	
ENG96X-057	3	-	
ENG96X-058	3	-	

One assay ton portion used.

Certified by G. Gibbs

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Geochemical Analysis Certificate

6W-1888-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P.Chubb

Date: JUN-03-96

We hereby certify the following Geochemical Analysis of 78 Grab samples submitted MAY-29-96 by .

Sample Number	Au PPB	Au Check PPB	WRA -
ENG96X-059	2	-	
ENG96X-061	Nil	-	
ENG96X-062	2	-	
ENG96X-063	9	-	
ENG96X-064	3	-	
[redacted]			
ENG96X-066	12	-	
ENG96X-067	7	-	
ENG96X-068	Nil	-	
ENG96X-069	2	-	
ENG96X-070	Nil	-	
ENG96X-071	3	-	
ENG96X-072	Nil	-	
ENG96X-073	2	-	
ENG96X-074	Nil	-	
ENG96X-075	Nil	-	
ENG96X-076	17	-	
ENG96X-077	27	24	
ENG96X-078	3	-	
[redacted]			
ENG96X-080	Nil	-	
ENG96X-081	Nil	-	
ENG96X-082	5	-	
ENG96X-083	27	45	
ENG96X-084	14	-	
ENG96X-085	Nil	-	
[redacted]			

One assay ton portion used.

Certified by _____

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Geochemical Analysis Certificate

6W-1888-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P.Chubb

Date: JUN-03-96

We hereby certify the following Geochemical Analysis of 78 Grab samples submitted MAY-29-96 by .

Sample Number	Au PPB	Au Check PPB	WRA -
[redacted]			
[redacted]			
ENG96X-100	-	-	
ENG96X-101	5	-	
ENG96X-104	3	-	
ENG96X-106	1128	1167	
ENG96X-107	926	893	
ENG96X-108	Nil	-	
ENG96X-109	-	-	
ENG96X-110	-	-	
ENG96X-120	-	-	

One assay ton portion used.

Certified by _____

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Geochemical Analysis Certificate

6W-1889-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P.Chubb

Date: JUN-03-96

We hereby certify the following Geochemical Analysis of 75 Grab samples submitted MAY-29-96 by .

Sample Number	Au PPB	Au Check PPB	WRA -
[redacted]			Results to follow
ENG96X-130	10	-	
[redacted]			
ENG96X-200	-	-	
ENG96X-201	Nil	-	
ENG96X-202	2	-	
ENG96X-204	7	-	
[redacted]			
ENG96X-206	-	-	
[redacted]			
ENG96X-213	Nil	-	
ENG96X-214	Nil	-	
ENG96X-215	Nil	-	
[redacted]			
ENG96X-217	Nil	-	
ENG96X-218	2	-	
ENG96X-219	Nil	-	
ENG96X-221	Nil	-	
ENG96X-222	Nil	-	
ENG96X-223	-	-	
ENG96X-224	Nil	-	
ENG96X-226	141	149	

One assay ton portion used.

Certified by _____

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Geochemical Analysis Certificate

6W-1889-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P.Chubb

Date: JUN-03-96

We hereby certify the following Geochemical Analysis of 75 Grab samples submitted MAY-29-96 by .

Sample Number	Au PPB	Au Check PPB	WRA -
ENG96X-227	2	-	
ENG96X-228	Nil	-	
ENG96X-229	41	43	
ENG96X-230	24	-	
ENG96X-231	17	-	
ENG96X-232	10	-	
[redacted]			
ENG96X-247	Nil	-	
ENG96X-248	Nil	-	
[redacted]			
ENG96X-300	231	221	
ENG96X-301	Nil	-	
ENG96X-303	14	-	
ENG96X-304	69	55	
ENG96X-305	Nil	-	
ENG96X-307	Nil	-	
ENG96X-308	7	-	
ENG96X-309	33	-	
ENG96X-310	Nil	-	

One assay ton portion used.

Certified by _____

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Geochemical Analysis Certificate

6W-1889-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P.Chubb

Date: JUN-03-96

We hereby certify the following Geochemical Analysis of 75 Grab samples submitted MAY-29-96 by .

Sample Number	Au PPB	Au Check PPB	WRA -
ENG96X-311	Nil	-	
ENG96X-312	Nil	-	
[redacted]			
ENG96X-314	Nil	-	
ENG96X-315	14	10	
ENG96X-316	17	-	
ENG96X-317	5	-	
ENG96X-318	Nil	-	
ENG96X-902	Nil	-	
[redacted]			
ENG96X-920	5	-	
ENG96X-921	96	118	
[redacted]			
ENG96X-302	2	-	

One assay ton portion used.

Certified by _____

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Geochemical Analysis Certificate

5W-3432-RG1

Company: **CAMECO CORPORATION**

Date: AUG-31-95

Project:

Attn: P. Chubb

We hereby certify the following Geochemical Analysis of 47 Rock samples submitted AUG-28-95 by .

Sample Number	Au PPB	Au Check PPB	WRA
ENG95x-019	3	-	
ENG95x-020	7	-	
ENG95x-021	132	171	
ENG95x-022	15	12	
[redacted]			
[redacted]			
ENG95x-026	165	137	
[redacted]		-	
[redacted]		-	
[redacted]			
[redacted]			
ENG95x-032	2	-	
ENG95x-033	24	34	
ENG95x-034	5	-	
[redacted]		-	

One assay ton portion used.

Certified by G. Ehrl

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

5W-3671-RG1

Company: **CAMECO CORPORATION**
Project: English
Attn: P. Chubb

Date: SEP-28-95

We hereby certify the following Geochemical Analysis of 29 Grab samples submitted SEP-20-95 by .

Sample Number	Au PPB	Au Check PPB	Au 2nd PPB
[redacted]		-	-
		5	-
		-	-
		-	-
		-	-
[redacted]		-	-
		-	-
		-	-
		-	-
		-	-
[redacted]		-	-
		-	-
ENG95X-048	Nil	-	-
ENG95X-049	Nil	-	-
[redacted]		-	-
[redacted]		-	-
		-	-
		-	-
		-	-
[redacted]		-	-
		-	-
		-	-
		-	-
		-	-
[redacted]	[redacted]	[redacted]	[redacted]
		-	-
		-	-

One assay ton portion used.

Certified by G. Libby

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Assay Certificate

5W-4280-RA1

Company: **CAMECO CORPORATION**
Project: H-5614
Attn: P. Chubb

Date: NOV-10-95

We hereby certify the following Assay of 54 Grab samples submitted NOV-02-95 by .

Sample Number	Au PPB	Au Check PPB
Eng 95x-147	31	27
Eng 95x-148 Not Rec	-	-
Eng 95x-149	7	-
Eng 95x-150	Nil	-
Eng 95x-151	Nil	-
Eng 95x-152	Nil	-
Eng 95x-153	Nil	-
Eng 95x-154	Nil	-
Eng 95x-155	Nil	-
Eng 95x-156	Nil	-
Eng 95x-157	Nil	Nil
Eng 95x-158	2	-
Eng 95x-159	Nil	-
Eng 95x-160	Nil	-
Eng 95x-161	Nil	-
Eng 95x-162	Nil	-
Eng 95x-163	Nil	Nil
Eng 95x-164	3	-
Eng 95x-165	Nil	-
Eng 95x-166	Nil	-
Eng 95x-167	Nil	-
Eng 95x-168	17	21
Eng 95x-169	5	-
Eng 95x-170	Nil	-
Eng 95x-171	3	-
Eng 95x-172	9	-
[redacted]		

One assay ton portion used.

Certified by G. Libby

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Assay Certificate

5W-4280-RA1

Company: **CAMECO CORPORATION**
Project: H-5614
Attn: P. Chubb

Date: NOV-10-95

We hereby certify the following Assay of 54 Grab samples submitted NOV-02-95 by .

Sample Number	Au PPB	Au Check PPB
[redacted]	[redacted]	-
		-
Eng 95x-179	Nil	-
Eng 95x-180	Nil	-
Eng 95x-181	Nil	-
Eng 95x-182	Nil	-
Eng 95x-183	Nil	-
[redacted]		-
		-
[redacted]		-
		-
		-
		-
		-
[redacted]		
[redacted]		

One assay ton portion used.

Certified by G. Gibbs

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Assay Certificate

5W-4281-RA1

Company: **CAMECO CORPORATION**
Project: H-5614
Attn: P. Chubb

Date: NOV-10-95

We hereby certify the following Assay of 59 Grab samples submitted NOV-02-95 by .

Sample Number	Au PPB	Au Check PPB
Eng 95x-223	14	-
Eng 95x-224	3	-
Eng 95x-225	10	-
Eng 95x-226	14	12
Eng 95x-227	5	-
Eng 95x-228	Nil	-
Eng 95x-229	Nil	-
Eng 95x-230	Nil	-
Eng 95x-231	Nil	-
Eng 95x-232	Nil	-
Eng 95x-233	Nil	-
Eng 95x-234	5	-
Eng 95x-235	Nil	-
Eng 95x-236	Nil	-
Eng 95x-237	Nil	-
Eng 95x-238	Nil	-
Eng 95x-239	21	-
Eng 95x-240	27	38
Eng 95x-241	Nil	-
Eng 95x-242	Nil	-
Eng 95x-243	Nil	-
Eng 95x-244	45	39
Eng 95x-245	Nil	-
Eng 95x-246	Nil	-
Eng 95x-247	Nil	-
Eng 95x-248	Nil	-
Eng 95x-249	Nil	-
Eng 95x-250	Nil	-
Eng 95x-251	10	-
Eng 95x-252	Nil	-

One assay ton portion used.

Certified by G. Leboff

P.O. Box 10, Swastika, Ontario P0K 1T0
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Assay Certificate

5W-4281-RA1

Company: **CAMECO CORPORATION**
Project: H-5614
Attn: P. Chubb

Date: NOV-10-95

We hereby certify the following Assay of 59 Grab samples submitted NOV-02-95 by .

Sample Number	Au PPB	Au Check PPB
Eng 95x-253	5	-
Eng 95x-254	2	-
Eng 95x-255	Nil	-
Eng 95x-256	Nil	-
Eng 95x-257	Nil	-
Eng 95x-258	Nil	-
Eng 95x-259	Nil	-
[redacted]		

One assay ton portion used.

Certified by G. Libal

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

5W-4814-RG1

Company: **CAMECO CORPORATION**
Project: H5614
Attn: P. Chubb

Date: DEC-13-95

We hereby certify the following Geochemical Analysis of 8 Grab samples submitted DEC-11-95 by .

Sample Number	Au PPB	Au Check PPB	WRA -
[redacted]			Results to
ENG95X 900	2	-	

One assay ton portion used.

Certified by G. Gibbs

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Assay Certificate

5W-4282-RA1

Company: **CAMECO CORPORATION**
Project: H-5614
Attn: P. Chubb

Date: NOV-09-95

We hereby certify the following Assay of 55 Grab samples submitted NOV-02-95 by .

Sample Number	Au PPB	Au Check PPB
[redacted]	[redacted]	-
[redacted]	[redacted]	-
Eng 95x-063	Nil	-
Eng 95x-064	Nil	-
Eng 95x-065	3	-
Eng 95x-300	5	5
Eng 95x-301	3	-
Eng 95x-302	Nil	-
Eng 95x-303	Nil	-
Eng 95x-304	Nil	-
Eng 95x-305	Nil	-
Eng 95x-306	Nil	-
Eng 95x-307	Nil	-
[redacted]	[redacted]	-
[redacted]	[redacted]	-
[redacted]	[redacted]	[redacted]
Eng 95x-356	Nil	-
Eng 95x-357	10	-
Eng 95x-358	27	27
Eng 95x-359	3	-
[redacted]	[redacted]	[redacted]

One assay ton portion used.

Certified by G. Libal

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Assay Certificate

5W-4282-RA1

Company: **CAMECO CORPORATION**
Project: H-5614
Attn: P. Chubb

Date: NOV-09-95

We hereby certify the following Assay of 55 Grab samples submitted NOV-02-95 by .

Sample Number	Au PPB	Au Check PPB
[redacted]		
Eng 95x-369	2	-
[redacted]		
[redacted]		
[redacted]		-
[redacted]		-
[redacted]		-
[redacted]		-
[redacted]		-
Eng 95x-115	7	-
Eng 95x-116	26	-
Eng 95x-117	9	-
Eng 95x-157	5	-
Eng 95x-207	3	-
Eng 95x-208	2	-
Eng 95x-209	3	-
Eng 95x-211	21	-
Eng 95x-213	9	-
Eng 95x-218	75	-
Eng 95x-243	5	9

One assay ton portion used.

Certified by G. Ehrl

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705)642-3244 FAX (705)642-3300

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Geochemical Analysis Certificate

5W-3431-RG1

Company: **CAMECO CORPORATION**

Date: AUG-30-95

Project:

Attn: P. Chubb

We hereby certify the following Geochemical Analysis of 25 Rock samples submitted AUG-28-95 by .

Sample Number	Au PPB	Au Check PPB	WRA -
[redacted]			
WPO95x-153	46	41	
WPO95x-154	21	-	
WPO95x-155	Nil	Nil	
[redacted]			

One assay ton portion used.

Certified by G. Leb/

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Telephone (705) 642-3244 FAX (705) 642-3300

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Geochemical Analysis Certificate

5W-2801-RG1

Company: **CAMECO CORPORATION**

Date: JUL-07-95

Project:

Attn: D. Panagapko

We hereby certify the following Geochemical Analysis of 37 Grab samples submitted JUN-28-95 by .

Sample Number	Au PPB	Au Check PPB	Au 2nd PPB	WRA -
[redacted]				Results to follow
WPO-95X-131	Nil	-	-	

One assay ton portion used.

Certified by G. Pelletier

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

CAMECO CORP.
ATTN: P. CHUBB
PROJ: H5614

5W-4513-RA1

TSL/ASSAYE. .aboratories
1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)602-8236 FAX #: (905)206-0513

REPORT No. : **M6013**
Page No. : 2 of 2
File No. : NV26RA
Date : NOV-27-1995

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba ppm	Zr ppm	Y ppm	Sc ppm	Nb ppm	Be ppm	Ni ppm	Cr ppm	Cu ppm	V ppm	Co ppm	Zn ppm	Rb %	LOI %	TOTAL %
ENG95X356	48.05	14.22	10.79	8.73	9.34	2.77	0.12	0.59	0.18	0.06	40	40	10	44	< 30	< 1	195	275	60	210	50	35	<0.05	5.93	100.77
ENG95X369	46.33	13.99	17.54	4.46	4.69	2.32	<0.02	1.76	0.21	0.12	40	80	26	52	< 30	< 1	85	180	45	385	50	115	<0.05	8.09	99.52

[redacted]

TSL/95

SIGNED :

CAMECO CORP.
ATTN: P. CHUBB
PROJ: H5614

5W-4513-RA1

TSL/ASSAYER Laboratories
1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W-1A4
PHONE #: (905)602-8236 FAX #: (905)206-0513

REPORT No. : M6013
Page No. : 1 of 2
File No. : NV26RA
Date : NOV-27-1995

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba ppm	Zr ppm	Y ppm	Sc ppm	Nb ppm	Be ppm	Ni ppm	Cr ppm	Cu ppm	V ppm	Co ppm	Zn ppm	Rb %	LOI %	TOTAL %
ENG95X065	43.45	6.61	10.77	4.07	24.58	0.05	0.02	0.37	0.17	0.04	20	20	8	25	< 30	< 1	1270	2100	80	130	80	20	<0.05	7.86	98.00
ENG95X150	42.50	6.23	11.96	8.56	19.16	0.08	<0.02	0.33	0.24	0.04	80	20	4	21	< 30	< 1	1110	1975	290	125	70	85	<0.05	8.84	97.95
ENG95X151	62.21	15.89	5.42	1.88	2.73	3.91	1.50	0.62	0.12	0.18	400	110	12	13	< 30	< 1	45	220	5	105	20	75	<0.05	3.19	97.64
ENG95X152	49.31	13.78	14.80	7.40	6.73	2.42	0.14	1.15	0.22	0.10	50	70	24	49	< 30	< 1	105	215	110	310	40	75	<0.05	4.35	100.40
ENG95X154	39.56	8.53	11.66	6.11	17.82	0.21	<0.02	0.48	0.17	0.06	30	20	12	31	< 30	< 1	620	2515	50	180	70	45	<0.05	14.42	99.00
ENG95X159	61.54	16.11	5.44	2.12	1.94	5.60	0.98	0.59	0.09	0.16	240	110	10	13	< 30	< 1	30	140	< 5	80	15	60	<0.05	3.07	97.64
ENG95X160	65.14	14.76	5.87	2.65	0.75	1.54	2.50	0.55	0.20	0.16	720	80	8	8	< 30	< 1	45	280	10	75	15	20	<0.05	4.29	98.39
ENG95X161	58.17	12.27	11.15	5.97	1.60	2.33	0.86	0.45	0.45	0.12	290	80	8	10	< 30	< 1	20	150	10	75	10	55	<0.05	7.29	100.67
ENG95X166	42.41	8.89	10.90	6.56	15.76	1.74	0.06	0.48	0.23	0.04	40	30	10	30	< 30	< 1	550	1815	60	160	65	55	<0.05	13.63	100.71
ENG95X170	38.90	10.17	12.77	6.89	15.38	0.03	<0.02	0.52	0.25	0.04	40	30	12	33	< 30	< 1	565	2090	5	200	65	80	<0.05	15.35	100.30
ENG95X172	54.63	16.35	9.99	3.09	5.76	1.06	2.46	0.73	0.12	0.06	300	30	10	49	< 30	< 1	155	400	65	265	45	25	<0.05	4.52	98.77
[redacted]																									
ENG95X183	50.10	14.02	13.19	4.42	7.74	2.64	0.20	0.91	0.18	0.08	50	50	20	53	< 30	< 1	80	170	95	300	40	35	<0.05	7.06	100.56
[redacted]																									
ENG95X242	41.51	2.96	8.92	4.82	26.73	<0.01	<0.02	0.19	0.10	<0.02	20	< 10	2	12	< 30	< 1	1815	1300	5	70	90	10	<0.05	12.48	97.73
ENG95X243	42.49	8.91	12.67	6.23	17.38	0.84	<0.02	0.54	0.17	0.04	10	30	12	34	< 30	< 1	645	2120	35	180	75	50	<0.05	10.42	99.71
ENG95X254	55.96	12.82	6.98	5.32	6.28	3.56	2.30	0.61	0.12	0.36	780	130	16	16	< 30	2	95	625	30	115	25	50	<0.05	5.12	99.43
ENG95X255	51.23	14.40	11.55	4.84	7.99	1.88	0.38	0.62	0.22	0.06	130	30	10	43	< 30	< 1	175	320	65	215	50	55	<0.05	7.45	100.59
ENG95X256	45.90	6.86	9.80	3.51	21.82	0.37	0.10	0.29	0.16	0.02	40	10	6	24	< 30	< 1	1135	1410	20	125	60	10	<0.05	9.01	97.86
ENG95X258	54.61	15.65	7.73	4.33	5.40	2.98	1.02	0.68	0.21	0.06	200	30	12	43	< 30	< 1	140	340	65	250	45	55	<0.05	6.69	99.34
ENG95X259	60.56	14.94	4.81	3.79	2.73	5.27	1.48	0.47	0.08	0.18	950	110	10	12	< 30	1	45	205	15	95	15	55	<0.05	3.86	98.18
[redacted]																									

TSL/95

SIGNED : [redacted]

CAMECO CORP.
ATTN: P. CHUBB
PROJ: N-5614

5W-4283-RAI

TSL/ASSAYE Laboratories
1270 FEWSTER DRIVE, UNIT , MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)602-8236 FAX #: (905)206-0513

REPORT No. : M5948
Page No. : 1 of 1
File No. : NVO9RA
Date : NOV-09-1995

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	TiO2	MnO	P2O5	Ba	Zr	Y	Sc	Nb	Be	Ni	Cr	Cu	V	Co	Zn	Rb	LOI	TOTAL
	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
enq 95x-109	51.45	11.77	15.66	6.99	2.04	3.15	0.06	1.53	0.25	0.24	50	140	52	43	< 30	< 1	10	275	30	225	35	140	<0.05	6.82	99.93
enq 95x-113	49.31	10.28	27.06	1.23	3.81	0.08	0.10	0.37	0.82	0.12	60	70	8	10	< 30	< 1	< 5	110	< 5	95	5	75	<0.05	4.56	97.74
enq 95x-128	42.44	9.56	13.50	4.37	18.94	1.31	0.12	0.54	0.17	0.04	40	30	12	38	< 30	< 1	675	2240	70	220	75	145	<0.05	9.19	100.18
enq 95x-129	40.58	8.88	10.01	6.81	14.99	1.69	0.04	0.41	0.16	0.06	20	30	8	30	< 30	< 1	530	1470	45	155	55	40	<0.05	13.94	97.57
enq 95x-137	47.08	11.95	16.70	6.68	4.00	1.56	0.20	1.77	0.19	0.16	70	80	32	51	< 30	< 1	50	295	45	375	50	155	<0.05	8.09	98.40
enq 95x-140	62.22	14.97	6.07	3.61	1.27	4.26	1.88	0.62	0.12	0.18	350	90	10	16	< 30	< 1	20	285	10	115	20	85	<0.05	3.82	99.02
enq 95x-141	48.82	13.82	13.31	4.99	7.00	2.62	0.06	0.98	0.17	0.10	50	40	20	54	< 30	< 1	90	180	40	340	45	75	<0.05	7.73	99.62
enq 95x-143	41.38	9.19	11.98	12.15	4.43	0.61	1.28	0.34	0.72	0.12	190	60	6	9	< 30	< 1	10	295	< 5	115	20	50	<0.05	11.75	99.96
enq 95x-144	37.45	5.38	8.07	10.72	17.01	0.04	0.04	0.28	0.35	0.04	50	20	6	21	< 30	< 1	915	1830	35	125	50	50	<0.05	19.61	99.00
enq 95x-146	40.25	8.66	11.11	7.18	18.52	0.78	0.04	0.41	0.17	0.04	30	20	10	31	< 30	< 1	500	1915	20	185	65	45	<0.05	10.80	97.95

TSL/95

SIGNED :

CAMECO CORPORATION
ATTN: PETER CHUBB

5W-3432-RG1

TSL/ASSAY. Laboratories
1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)602-8236 FAX #: (905)206-0513

REPORT No. : **M5630**
Page No. : 1 of 1
File No. : AG31RA
Date : AUG-31-1995

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba ppm	Zr ppm	Y ppm	Sc ppm	Nb ppm	Be ppm	Ni ppm	Cr ppm	Cu ppm	V ppm	Co ppm	Zn ppm	Rb %	LOI %	TOTAL %
[redacted]																									
ENG95X-019	70.61	14.08	4.39	2.06	1.95	0.65	0.68	0.48	0.04	0.16	140	100	10	10	< 30	< 1	15	370	35	105	15	35	<0.05	2.77	97.88
ENG95X-020	56.45	19.95	10.12	0.36	1.06	1.50	4.16	0.73	0.05	0.18	1850	170	16	11	< 30	4	25	145	< 5	95	< 5	45	<0.05	3.51	98.08
[redacted]																									

TSL/95

SIGNED :

Appendix B
Till Data Sheets

GOLD CLASSIFICATION
==========

JOE GOLD FROM SHAKING TABLE AND PANNING

CAM_WPO.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 13

SAMPLE #	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER	THICKNESS	RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
WPO 13													
[redacted]													
013	Y	35 X 35	5 C	7		2	1			10			No sulphides.
		35 X 50	8 C	2		1		1		4			
		35 X 75	10 C	2						2			
		35 X 125	15 C	1						1			
		50 X 50	10 C	2						2			
		50 X 75	13 C	1			1			2			
		75 X 100	18 C	1						1			
		125 X 125	25 C	1						1			
										23	12.5	920	
[redacted]													

GOLD CLASSIFICATION

FREE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE # | PANNED Y/N | MEASUREMENT (MICRONS) DIAMETER | MEASUREMENT (MICRONS) THICKNESS | NUMBER OF GRAINS RESHAPED T | RESHAPED P | MODIFIED T | MODIFIED P | PRISTINE T | PRISTINE P | TOTAL | NON MAG GMS | CALC W.G. ASSAY PPB | REMARKS

[redacted]

[redacted]

[redacted]

[redacted]

006	Y	10 X 50	6 C					1		1			No sulphides.
		15 X 15	3 C					2		2			Note: the gold has been vialed.
		15 X 25	4 C	1						1			
		25 X 25	5 C	1	1			2		4			
		25 X 50	8 C	1						1			
		25 X 75	10 C	1				1	1	3			
		50 X 50	10 C	2						2			
		50 X 75	13 C	3						3			
		75 X 125	50 M	1						1			
		100 X 125	22 C	2						2			
		100 X 175	27 C	1						1			
		300 X 325	75 M	1						1			
										22	21.2	3258	

[redacted]

[redacted]

[redacted]

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

CAM_WPO.WR1

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
WPO 95T									
[redacted]									
008	22	15	0	7	21.2	3258	3235	0	23
[redacted]									
013	23	17	5	1	12.5	530	482	42	7
[redacted]									

CAM_WPO.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 15

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET) TABLE SPLIT	+10 CHIPS	TABLE FEED	WEIGHT (GRAMS DRY) TABLE CONC	M.I. CONC. LIGHTS	M. I. CONC CONC. TOTAL	NON MAG	MAG	DESCRIPTION CLAST SIZE	CLAST % V/S	GR	LS	OT	MATRIX S/U	SD	ST	CY	COLOUR SD	COLOUR CY	OR	CLASS
wpc 95T																					
008	12.4	2.8	9.6	277.0	247.1	29.9	21.2	8.7	P	90	10	0	NA	U	Y	Y	Y	OC	OC	Y	TILL
013	9.2	2.3	6.9	260.7	242.9	17.8	12.5	5.3	C	80	20	0	NA	U	Y	Y	Y	OC	OC		TILL

OVERBURDEN DRILLING MANAGEMENT LIMITED - LABORATORY SAMPLE LOG

ABBREVIATIONS

DATA LOG

Clast:

Size of Clast:

G: Granules
P: Pebbles
C: Cobbles

==========

Pristine

12
3
0
2
51

TR: Only Trace Present
NA: NOT APPLICABLE
OX: Oxidized

Class:

BLD: Boulder Chips
BDK: Bedrock Chips

Matrix:

S/U: Sorted or Unsorted
SD: Sand ---------- F: Fine
SI: Silt M: Medium
CY: Clay C: Coarse
OR: Organics

Y: Fraction Present
+: Fraction more abundant than normal
-: Fraction less abundant than normal
N: Fraction Not Present
L: Lumps Present

Colour:

B: Beige
GY: Grey
GB: Grey Beige
GN: Green
GG: Grey Green
BN: Brown
BK: Black
PP: Purple
PK: Pink
OC: Ochre
L: Light
M: Medium
D: Dark

GOLD LOG

Number of Grains:

T: Number Found on Shaking Table
P: Number Found by Panning

Thickness:

C: Calculated Thickness of Grain (in microns)
M: Actual Measured Thickness of Grain (in microns)

Remarks:

% Percentage of HMC (estimated from panning of table concentrate)
gr. Grains (estimated number)
µM Microns (1/1000 mm)

py. Pyrite
cpy. Chalcopyrite
aspy. Arsenopyrite
marc. Marcasite
L/G. Limonite/Goethite
sid. Siderite

OVERBURDEN DRILLING MANAGEMENT LIMITED
107-15 CAPELLA COURT, NEPEAN, ONTARIO, K2E 7X1
TELEPHONE: (613) 226-1771/1774
FAX NO: (613) 226-8753

D A T A T R A N S M I T T A L R E P O R T

DATE: 02-Aug-95

ATTENTION: B. Cooper, M. Koziol, D. Panagapko

CLIENT: CAMECO CORPORATION
1349 Kelly Lake Road
Unit #6
Sudbury, Ont.
P3E 5P5

FAX: (705) 523-4571

PROJECT: WPO series

FILE NO: CAM_WPO.WR1

NO. OF SAMPLES: 15

NO. OF PANNINGS: 13

H.M.C.	____
3/4 H	____
-63 MICRON	____
-125 MICRON	____
_____	____

SENT TO _____ ANALYTICAL LAB.

REMARKS: _____

_____

_____

Remy Huneault
Laboratory Manager

[redacted]

J CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

CAM_ON.WRI

TOTAL # OF PANNINGS 6

SAMPLE #	PANNED Y/N	MEASUREMENT (MICRONS) DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
[redacted]													
[redacted]													
11	Y	10 X 10	2 C					5		5			No sulphides.
		15 X 15	3 C					2		2			
		15 X 25	4 C					1	1	2			
		15 X 50	7 C	1		1				2			
		25 X 25	5 C					1		1			
		25 X 50	8 C	1						1			
										13	4.5	57	

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

CAM_ON.WR1

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
[redacted]									
ON-301-95T									
	11	13	2	1	10	4.5	57	[redacted]	.15

CAMECO CORPORATION : WPO series GOLD

08/02/95

CAM_ON.WRI

OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 8

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					DESCRIPTION												
						M. I. CONC			CLAST				MATRIX								CLASS
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	SIZE V/S	% GR	LS	OT	S/U	SD	ST	CY	COLOUR SD	COLOUR CY	OR		
[redacted]																					
ON-301-95T																					
11	11.1	2.5	8.6	188.5	182.4	6.1	4.5	1.6	C	70	30	0	NA	U	Y	+	Y	LOC	LOC	Y	TILL

OVERBURDEN DRILLING MANAGEMENT LIMITED - LABORATORY SAMPLE LOG

ABBREVIATIONS

DATA LOG

Clast:

Size of Clast:
G: Granules
P: Pebbles
C: Cobbles
=========
Pristine
_____

12
3
0
2
51
TR: Only Trace Present
NA: NOT APPLICABLE
Ox: Oxidized

Class:

BLD: Boulder Chips
BDK: Bedrock Chips

Matrix:

S/U: Sorted or Unsorted
SD: Sand ----------| F: Fine
SI: Silt | M: Medium
CY: Clay | C: Coarse
OR: Organics

Y: Fraction Present
+: Fraction more abundant than normal
-: Fraction less abundant than normal
N: Fraction Not Present
L: Lumps Present

Colour:

B: Beige
GY: Grey
GB: Grey Beige
GN: Green
GG: Grey Green
BN: Brown
BK: Black
PP: Purple
PK: Pink
OC: Ochre
L: Light
M: Medium
D: Dark

GOLD LOG

Number of Grains:

T: Number Found on Shaking Table
P: Number Found by Panning

Thickness:

C: Calculated Thickness of Grain (in microns)
M: Actual Measured Thickness of Grain (in microns)

Remarks:

x Percentage of HMC (estimated from panning of table concentrate)
gr. Grains (estimated number)
uM Microns (1/1000 mm)

py. Pyrite
cpy. Chalcopyrite
aspy. Arsenopyrite
marc. Marcasite
L/G. Limonite/Goethite
sid. Siderite

OVERBURDEN DRILLING MANAGEMENT LIMITED
107-15 CAPELLA COURT, NEPEAN, ONTARIO, K2E 7X1
TELEPHONE: (613) 226-1771/1774
FAX NO: (613) 226-8753

D A T A T R A N S M I T T A L R E P O R T

DATE: 02-Aug-95

ATTENTION: B. Cooper, M. Koziol, D. Panagapko

CLIENT: CAMECO CORPORATION
1349 Kelly Lake Road
Unit #6
Sudbury, Ont.
P3E 5P5

FAX: (705) 523-4571

PROJECT: ON series

FILE NO: CAM_ON.WR1

NO. OF SAMPLES: 8

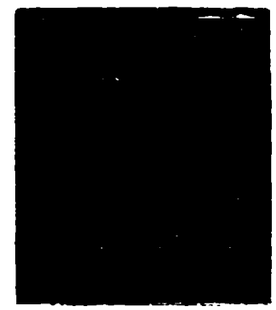
NO. OF PANNINGS: 6

H.M.C. ____
3/4 H ____
-63 MICRON ____ SENT TO _____ ANALYTICAL LAB.
-125 MICRON ____
_____ ____

REMARKS: _____

_____

_____



Remy Huneault
Laboratory Manager

Appendix C
Maps

Ministry of Northern Development and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W960.00462

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations fo Recorder.
- A separate copy of this form must be comp
- Technical reports and maps must accompa
- A sketch, showing the claims the work is a

42A03SE0022 2 16768 ZAVITZ

900

Recorded Holder(s): Tri-Origin Exploration Ltd. / Comeco Corp.		Client No.: 203126 / 114820
Address: 15449 Yonge St. ste 102, Toronto / Unit #6, 1349 Kelly Lake Rd, Sudbury, Ontario P3E 5P5		Telephone No.: (905) 841-3559 / (705) 523-4555
Mining Division: Porcupine	Township/Area: English and Zavitz Townships	M or G Plan No.:
Dates Work Performed: From: 2nd August, 1995	To: 7th June, 1996	

Work Performed (Check One Work Group Only)

	Work Group	Type
✓	Geotechnical Survey	Linecutting, Geological Mapping, Analyses
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	SECTION 18 ONLY
	Assignment from Reserve	

RECEIVED
SEP 12 1996
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 49273

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Exsics Exploration Services	P.O. Box 1880, Suites 13+14, Hollinger Rd., Timmins, ONT, P4N 7X1
Natives Exploration, Sam Boum	203 Opemiska St., Ouje-Bougoumou, Quebec, G0W 3C0
G.L. GeoServices Inc.	111 Tieme rue, Rouyn-Noranda, Quebec, J9X 5B1

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: 7th June, 1996	Recorded Holder or Agent (Signature): Peter Chubb

Certification of Work Report

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

Name and Address of Person Certifying: Peter Chubb, #6 - 1349 Kelly Lake Road, Sudbury, Ontario, P3E 5P5

Telepone No.: (705) 523-4555	Date: June 7th, 1996	Certified By (Signature): Peter Chubb

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder: NOT DATED. Daisy Latuta	Received Stamp
	Deemed Approval Date: Sept 26/96	Date Approved	
	Date Notice for Amendments Sent		

RECEIVED
JUN 28 1996
PORCUPINE MINING DIVISION

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1155552	1	1781	800	981	0
	1158562	1	766	781	0	0
	1158565	1	1317	800	517	0
	1158561	1	320	800	0	0
	1158564	1	1320	800	580	0
	1158560	1	480	800	0	0
	1155563	1	1079	800	279	0
	1155928	1	77	400	0	0
	1204470	6	0	2400	0	0
	1155929	1	0	400	0	0
	1155930	1	0	400	0	0
	1155931	1	0	400	0	0
	1155932	1	0	400	0	0
	1155933	1	0	400	0	0
	1155934	1	0	400	0	0
	1155935	1	0	400	0	0
	1147252	1	1277	1200	77	0
			8477	1231	2434	0

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

2.1.83

Signature

Date

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	115591	1	1111	4e2	311	4e2
	115592	1	1055	4e2	255	4e2
	115593	1	1258	4e2	85	4e2
	115594	1	1444	4e2	68	4e2
	115595	1	1184	455	129	8e2
	115596	1	1065	8e2	0	526
	115597	1	1364	8e2	0	560
	115598	1	1102	8e2	109	193
	115599	1	1510	8e2	0	710
	115600	1	1472	8ee	0	672
	115601	1	1444	8e2	244	4e2
	115602	1	1967	8e2	367	8e2
	115603	1	1047	8e2	247	0
	115604	1	1238	8e2	38	4e2
	115605	1	1278	8e2	78	4e2
	115606	1	1805	8e2	97	34
	115607	1	310	8e2	0	0
			22270	1455	2c46	6834

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented

Signature	Date

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1147239	1 ✓	982	1200	0	0
	1147240	1 ✓	852	1200	0	0
	1147241	1 ✓	1233	1200	0	33
	1147242	1 ✓	1086	1200	0	0
	1147243	1 ✓	1169	1200	0	0
	1147244	1 ✓	1061	1200	0	0
	1147245	1 ✓	964	1200	0	0
	1147246	1 ✓	1773	1268	503	2
	1147247	1 ✓	1568	1200	368	0
	1147248	1 ✓	1698	1200	298	200
	1147249	1 ✓	1393	1200	193	0
	1147250	1 ✓	2006	1200	6	800
	1147251	1 ✓	2741	1200	41	1500
			49273	39904	5889	9369
				Total [illegible]	Total Assigned	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

2.16768

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

	Signature	Date
[illegible] that the recorded holder had a beneficial interest in the patented		

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No /N° de transaction
W9660.00462

2.10

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		19301
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type 2 Prospectors + Geologist	8125	
	Linecutting	13854	
	Analyses	4596	26575
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		45876

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
	Gasoline	187	
			187
Food and Lodging Nourriture et hébergement		2210	2210
Mobilization and Demobilization Mobilisation et démobilisation		1000	1000
	Sub Total of Indirect Costs Total partiel des coûts indirects		3397
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		3397
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles		49,273

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Peter Clutts, Geologist I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification.

RECEIVED
JUN 28 1996
PORCUPINE MINING DIVISION

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
	27/06/96

0212 (04/91)

Note : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

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

Telephone: (705) 670-5853
Fax: (705) 670-5863

September 20, 1996

Gary White
Mining Recorder
60 Wilson Avenue, 1st Floor
Timmins, ON
P4N 2S7

Dear Sir or Madam:

Submission Number: 2.16768

Subject: Transaction Number(s): W9660.00462

After reviewing the Work Report(s) we have prepared this letter and the attached summary, which lists the results of our review. Requirements of the Assessment Work Regulation may not have been fully met. Please examine the summary to determine the next course of action concerning the identified Work Report(s).

NOTE: The 90 day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, is no longer in effect for this submission.

PLEASE NOTE ANY REQUESTED REVISIONS MUST BE SUBMITTED IN DUPLICATE.

If the anniversary dates for the mining claims affected by this correspondence have not passed, a number of options are available. Please contact the Mining Recorder to discuss these options.

If you have any questions regarding this correspondence, please contact Steve Beneteau at (705)670-5855.

Yours sincerely,

ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Correspondence ID: 10225
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.16768

Date Correspondence Sent: September 20, 1996 **Assessor:** Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9660.00462	1158552	ENGLISH, ZAVITZ	Approval	September 19, 1996

Section:

12 Geological GEOL

Correspondence to:

Mining Recorder
Timmins, ON

Resident Geologist
Timmins, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Peter Chubb
SUDBURY, ONTARIO

TRI ORIGIN EXPLORATION LTD.
AURORA, Ontario

CAMECO CORPORATION
SASKATOON, SASKATCHEW

Correspondence ID: 10225

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

	Description	Order No.	Date	Disposition	File
R1	SEC.36/80	W. 18 / 77	28/02/77	S.R.O.	83582
R2	SEC.36/80	W.19/78	10/04/78	S.R.O	188543
R3	SEC.36/80	W.30/78	02/06/78	S.R.O	192219
R4	MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990 ORDER NO. W-P 43/94 NER DATED 94-MAY-02				

MINING AND SURF

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONINING IY OF LOPOR ADATION THE ON

42A03SE0022 2.16768 ZAVITZ

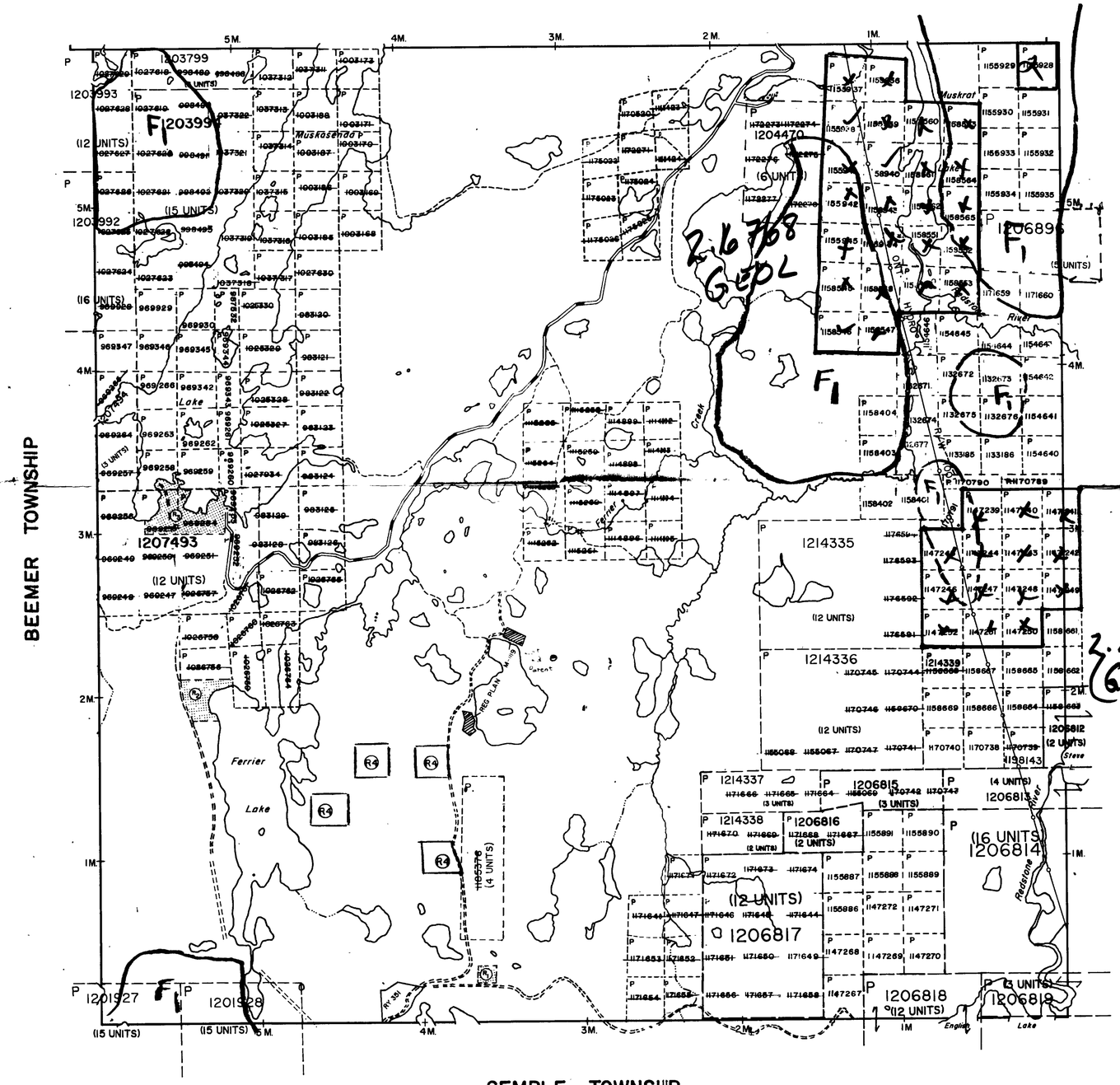
200

BARTLETT TOWNSHIP

BEEMER TOWNSHIP

ZAVITZ TOWNSHIP

SEMPLE TOWNSHIP



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	⊖
" , MINING RIGHTS ONLY	⊖
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	□
" , MINING RIGHTS ONLY	□
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊗
CANCELLED	⊖
SAND & GRAVEL	⊖

W 9660.00462
(F2)

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

2.16768 (GEOL)

F1 THIS TWP IS SUBJECT TO FORES" ACTIVITY IN 1994/95 FURTHER INFORMATION ON FILE. 1-5-96

TOWNSHIP

ENGLISH

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ontario Ministry of Natural Resources

Ministry of Northern Development and Mines

Date SEPTEMBER 1990

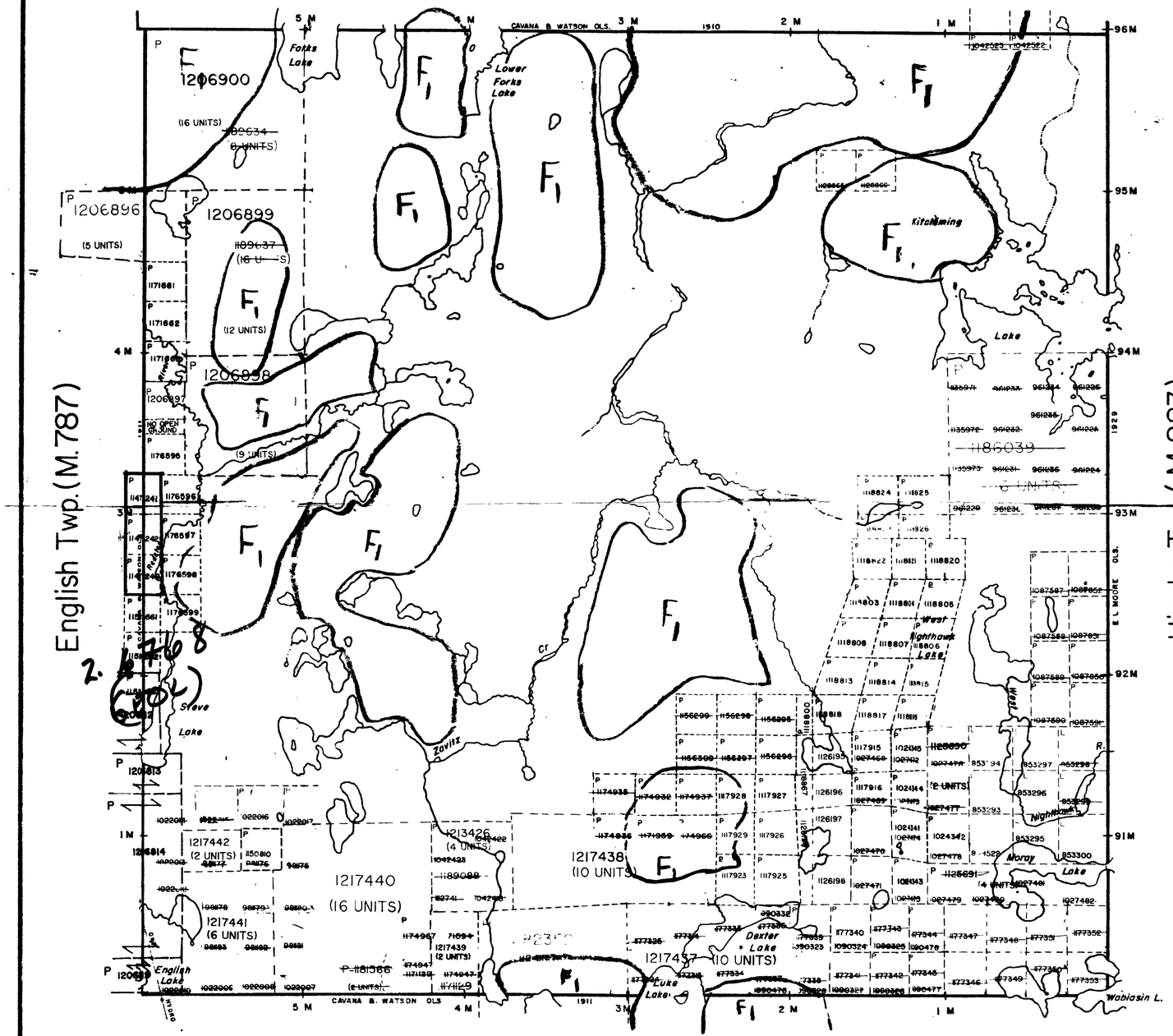
ACTIVATED : SEPT. 25/90 S.R.

Number G-3938

G-3938 ENGLISH TWP. G-3938

M.1189 TWP. ZAVITZ

Geikie Twp.(M.320)



THE TOWNSHIP OF

w 9660.00462

ZAVITZ

DISTRICT OF SUDBURY

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	

NOTES

400' SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS.

F_1 - SUBJECT TO FIRE ACTIVITY IN 1994/95 & 1995/96

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES. AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES. FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

PLACED IN ACTIVE FILE ...

PLAN NO. M. 1189

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

42A03SE0022 2.16768 ZAVITZ

Forks Lake

Muskrat Lake

Dead Dog Lake

Ferrier Creek

Redstone River

Steve Lake

ENGLISH TWP

ZAVITZ TWP

1155929 1155928 1155930 1155931 1155933 1155932 1155934 1155935 1155936 1155937 1155938 1155939 1155940 1155941 1155942 1155943 1155944 1155945 1158545 1158546 1158547 1158548 1158549 1158550 1158551 1158552 1158553 1158554 1158555 1158556 1158557 1158558 1158559 1158560 1158561 1158562 1158563 1158564 1158565 1206896 1206899 1206900 1206897 1206898 1147239 1147240 1147241 1147242 1147243 1147244 1147245 1147246 1147247 1147248 1147249 1147250 1147251 1147252

L10N L10S L0 L55+00N L50+00N L45+00N L40+00N BL 0+00 TL 12+00S TL5N TL5S BL0

IF

Legend

1 – Mafic Volcanics
2 – Intermediate Volcanics
3 – Felsic Volcanics
4 – Ultramafic Volcanics
6 – Chemical Sediments
8 – Mafic Intrusives
9 – Inter/felsic Intrusives
10 – Late Felsic Intrusives
11 – Late Mafic Intrusives
IF – Iron Formation

Fault
Foliation
Swamp
Beaver Dam
Trail
Powerline
Road
Clearcut

0 100 200 300 400 500 600 700 800 900 1000m

Scale 1:10000

Cameco

ENGLISH PROPERTY

2.16768

General Geology Map

Compiled By: Peter Chubb	96/06/05
Drafted By: Clayton Durbin	
Scale: 1:10,000	
N.T.S.:	Datum:
Disposition(s):	

Dwg No.: ENG96007E

Map 1

42A03SE0022 2.16768 ZAVITZ

220

N

Muskrat Lake

Dog River

Redstone River

Creek

1155929 1155928 1155930 1155931 1155933 1155932 1155934 1155935 1155936 1155937 1155938 1155939 1155940 1155941 1155942 1155943 1155945 1158563 1158560 1158561 1158564 1158562 1158565 1158555 1158552 1158553 1158550 1158548 1158547 1158546 1158545 1204470 1206900 1206896 1206899 1206897 1206898

IF L10N L0 L10S BL 0+00 TL 12+00E L55+00N

Legend

6 – Chemical Sediments
- c) oxide IF
- d) sulphide IF

4 – Ultramafic Volcanics
- a) massive flow
- b) T–C schist
- c) spinifex flow
- d) green carb
- e) serpentinite
- f) polysutured
- q) fine grained
- t) medium grained
- y) coarse grained

1 – Mafic Volcanics
- a) basalt
- m) massive flow
- p) pillowed flow
- v) vesicular
- f) feldspar–phyric
- j) schist
- c) tuff
- d) lapilli–tuff
- q) fine grained
- t) medium grained
- y) coarse grained

11 – Late Mafic Intrusives
- b) Abitibi diabase
- c) Nipissing diabase
- q) fine grained
- t) medium grained
- y) coarse grained

10 – Late Felsic Intrusives
- a) fsp porphyry
- b) qtz porphyry
- c) qtz–fsp porphyry
- q) fine grained
- t) medium grained
- y) coarse grained

9 – Inter/felsic Intrusives
- a) diorite
- b) quartz diorite
- m) massive
- p) porphyritic
- q) fine grained
- t) medium grained
- y) coarse grained

8 – Mafic Intrusives
- a) leucogabbro
- b) melanogabbro
- c) anorthosite
- m) massive
- p) porphyritic
- q) fine grained
- t) medium grained
- y) coarse grained

3 – Felsic Volcanics
- a) rhyodacite
- b) rhyolite
- r) quartz–phyric
- f) feldspar–phyric
- j) schist
- c) tuff
- d) lapilli–tuff
- e) tuff–breccia
- k) monolithic fragments
- q) fine grained
- t) medium grained
- y) coarse grained

2 – Intermediate Volcanics
- a) andesite
- b) dacite
- m) massive flow
- p) pillowed flow
- v) vesicular
- z) flow breccia
- f) feldspar–phyric
- j) schist
- c) tuff
- k) monolithic fragments
- q) fine grained
- t) medium grained
- y) coarse grained

IF – Iron Formation

Fault
Foliation
▲307 Grab Sample (Prefixed by ENG95X–)
□ON26195T0 Till Sample
Rock Exposure or Outcrop
Swamp
Beaver Dam
Trail
Powerline
Road
Clearcut

0 100 200 300 400 500m
Scale 1:5000

Cameco

ENGLISH PROPERTY

Detailed Geology Map
"A" Block
2.16768

Compiled By: Peter Chubb 96/06/04	Dwg No.: ENG96007B
Drafted By: Clayton Durbin	Map 2a
Scale: 1:5,000	
N.T.S.:	
Disposition(s):	

Creek

Redstone River

1206897

1206898

1206812

ENGLISH TWP

ZAVITZ TWP

TL 12+00E

BL 0+00

L55+00N

L50+00N

L45+00N

L40+00N

TL5N

BL0

TL5S

L10E

TL 10+00N

L15E

TL 5+00N

BL 0+00(45°)

1158546

1158547

1147239

1147240

1147241

1147242

1147243

1147244

1147245

1147246

1147247

1147248

1147249

1147250

1147251

1147252

N

Legend

6 – Chemical Sediments
- a) oxide IF
- b) sulphide IF

4 – Ultramafic Volcanics
- a) massive flow
- b) T–C schist
- c) spinifex flow
- d) green carb
- e) serpentinite
- f) polysutured
- q) fine grained
- t) medium grained
- y) coarse grained

1 – Mafic Volcanics
- a) basalt
- m) massive flow
- p) pillowed flow
- v) vesicular
- f) feldspar–phyric
- j) schist
- c) tuff
- d) lapilli–tuff
- q) fine grained
- t) medium grained
- y) coarse grained

11 – Late Mafic Intrusives
- b) Abitibi diabase
- c) Nipissing diabase
- q) fine grained
- t) medium grained
- y) coarse grained

10 – Late Felsic Intrusives
- a) fsp porphyry
- b) qtz porphyry
- c) qtz–fsp porphyry
- q) fine grained
- t) medium grained
- y) coarse grained

9 – Inter/felsic Intrusives
- a) diorite
- b) quartz diorite
- m) massive
- p) porphyritic
- q) fine grained
- t) medium grained
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8 – Mafic Intrusives
- a) leucogabbro
- b) melanogabbro
- c) anorthosite
- m) massive
- p) porphyritic
- q) fine grained
- t) medium grained
- y) coarse grained

3 – Felsic Volcanics
- a) rhyodacite
- b) rhyolite
- r) quartz–phyric
- f) feldspar–phyric
- j) schist
- c) tuff
- d) lapilli–tuff
- e) tuff–breccia
- k) monolithic fragments
- q) fine grained
- t) medium grained
- y) coarse grained

2 – Intermediate Volcanics
- a) andesite
- b) dacite
- m) massive flow
- p) pillowed flow
- v) vesicular
- z) flow breccia
- f) feldspar–phyric
- j) schist
- c) tuff
- k) monolithic fragments
- q) fine grained
- t) medium grained
- y) coarse grained

IF – Iron Formation

- Fault
- Foliation
- Grab Sample (Prefixed by ENG95X–)
- ON26195TO Till Sample
- Rock Exposure or Outcrop
- Swamp
- Beaver Dam
- Trail
- Powerline
- Road
- Clearcut

0 100 200 300 400 500m
Scale 1:5000

Cameco

ENGLISH PROPERTY

Detailed Geology Map
"B" Block
2.16768

Compiled By: Peter Chubb 96/06/04	Dwg. No.: ENG96007D
Drafted By: Clayton Durbin	
Scale: 1:5,000	Map 2b
N.T.S.:	
Disposition(s):	

42A05SE0022 2.16768 ZAVITZ