REPORT ON THE GEOLOGY OF THE OSSIAN GOLD MINE PROPERTY OSSIAN TOWNSHIP LARDER LAKE MINING DIVISION NORTHEASTERN ONTARIO

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PREPARED FOR

SILVER CENTURY EXPLORATIONS LTD.

BY

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SUMMARY

The Ossian Gold Mine Property is comprised of 23 patented mining claims (451.5 hectares) and is located in Ossian Township, 36 Km northeast of Kirkland Lake, Ontario. The property is under option to Silver Century Explorations Limited. In 1996, exploration work done on the property consisted of a ground magnetic survey, a ground VLF-EM survey, a spectral time domain polarization/resistivity survey, and a geological survey with channel rock sampling.

The channel sampling conducted on the surface trenches of the former Ossian Gold Mine returned significant gold sections of 8.18 gpt. Au/4.2 m, 4.32 gpt. Au/2.7 m and 3.0 gpt. Au/3.9 m. These gold results reveal the potential for a quartz lode gold deposit.

Geological mapping and whole rock geochemistry confirmed the presence of a 2.4 km long and 300 to 900 m wide felsic (rhyolite to dacite) belt on the property. This felsic belt is the core of an anticlinal structure with intermediate to mafic flows to the north and south. Strong potassic and silica hydrothermal alteration, pyritization and shearing was observed in the felsic belt. Geophysical work outlined two strong and extensive (1.6 km long) high chargeability anomalies in the central felsic tuff belt. These high chargeability anomalies along with the favourable geological conditions indicate good potential for a pyritic gold deposit.

A short diamond drilling program of five drill holes is recommended to test these chargeability anomalies and the auriferous quartz zones in the Ossian Gold Mine area.

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INTRODUCTION

The Ossian Gold Mine Property is part of a large project area held by Silver Century Explorations Ltd. and Sudbury Contact Mines Limited (both members of the Agnico-Eagle Mines Limited Group of Companies) in Ossian Township, Larder Lake Mining Division, Ontario. The property was optioned from Crow Geological Services on February 1, 1996. It is comprised of 23 patented mining claims and 451.5 hectares.

In early 1996, a winter reverse circulation drilling program of 12 holes was carried out on the Ossian Gold Mine Property. This program was managed by W.A. Hubacheck Consultants on behalf of Silver Century Explorations Ltd. This drilling returned no significant gold anomalies in the glacial till on the property. Slightly higher total gold grain counts per kilogram where returned from the holes along the southern portion of the property (Toth and Christie, 1996).

Geophysical and geological field work was conducted on the Ossian Gold Mine Property during the summer of 1996. JVX Ltd. conducted the following ground geophysical work: line cutting, a Time Domain Spectral Induced Polarization/Resistivity survey, a Total Field Magnetic survey and a VLF survey (Mihelcic and Webster, 1996). Geological mapping, rock sampling, trench rock channel sampling and a whole rock geochemical survey were carried out by W. A. Hubacheck Consultants Limited in conjunction with the geophysical work.

This report describes the results of the 1996 summer work program on the Ossian Gold Mine Property. The coordination and implementation of the various technical tasks was conducted by W.A.Hubacheck Consultants Ltd. under the supervision of D. Christie and K. Montgomery.

LOCATION AND ACCESS

The property is located in central Ossian Township, Larder Lake Mining Division, northeastern Ontario. It is approximately 12 Km north of the town of Virginiatown and 36 Km northeast of Kirkland Lake (Figure 1).

Access to the property is best via an all terrain vehicle trail which extends from just north of Virginiatown to as far as Mist Lake in northwestern Ossian Township. This gravel trail is a former logging road that presently can be accessed by truck from the Labyrinth Lake road. On the Labyrinth Lake road just north of the ONR railroad, a forest road leads west ward to the gravel ATV trail.

Alternatively, during the winter, the Ossian Gold Mine Property can be accessed by snowmobile off the Labyrinth Lake road. This gravel forest road extends north from Kearns

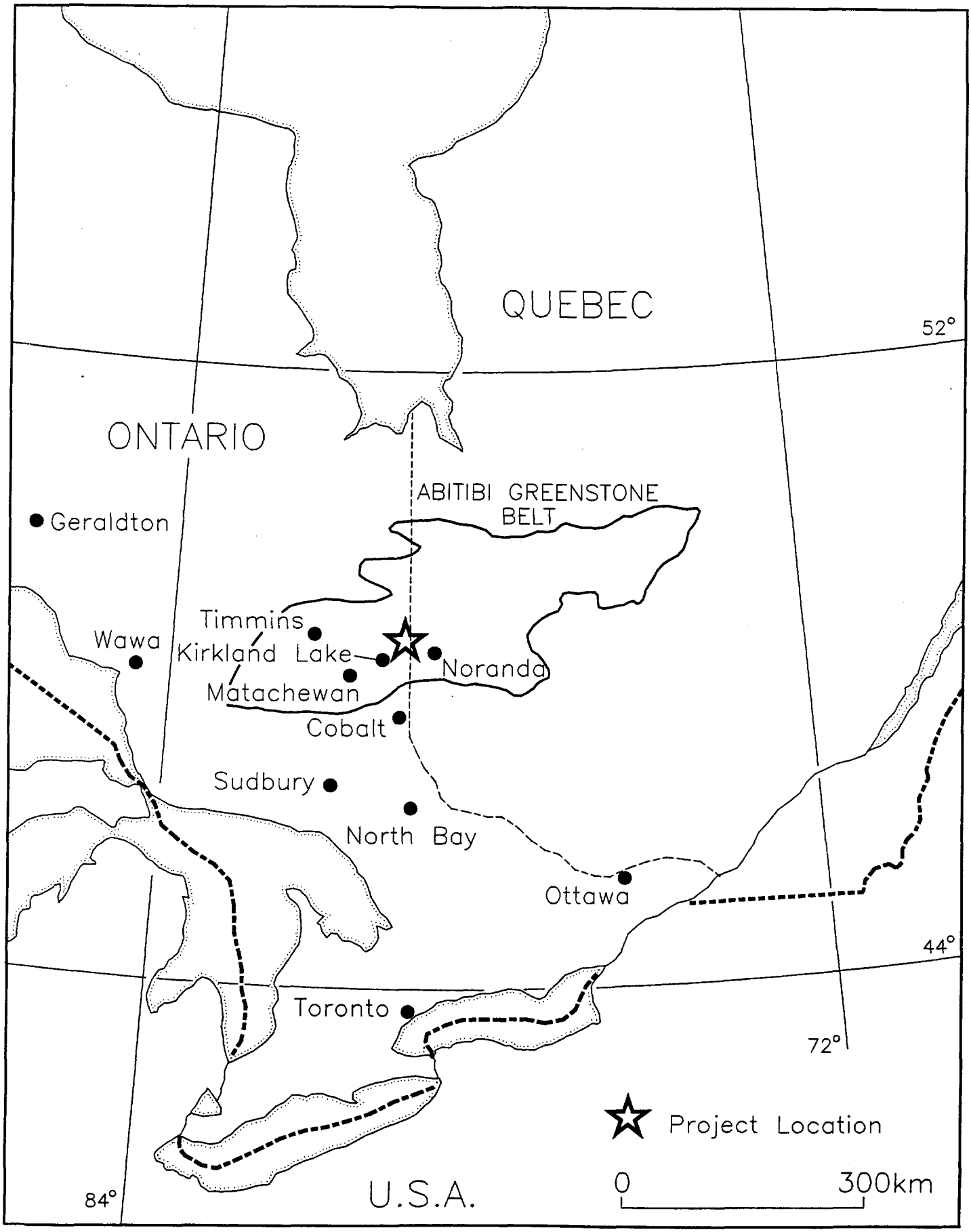

Figure 1: Location Map

on Highway 66. At approximately 14 Km north of Kearns, a swampy skidder road branches westward off the Labyrinth Lake road towards the Ossian Gold Mine Property. A small trail at the end of this skidder road has been cut to the Ossian Gold Mine Property. The property is 3 Km west of the Labyrinth Lake road.

PHYSIOGRAPHY

The Ossian Gold Mine Property is covered by glaciolacustrine sediments through which extensive bedrock is exposed. Outcrops form east-west trending ridges and knolls that are separated by flat swampy terrain. Relief on the property ranges from 304 to 364 m above sea level.

Drainage on the property is to the southeast. Intermittent streams from Cover Lake and Jump Lake flow into Mist Creek on the southern boundary of the property. Mist Creek flows east into Labyrinth Lake. Vegetation is a mixed forest type consisting of spruce, jackpine, poplar, birch and alders.

PROPERTY DESCRIPTION

The Ossian Gold Mine Property is part of the Ossian Project which consists of 19 unpatented mining claims and 23 patented mining claims totalling 2,398 hectares in Ossian Township. The Ossian Project is held by Silver Century Explorations Ltd, and associated company Sudbury Contact Mines Limited.

The Ossian Gold Mine Property is comprised of the following 23 patented mining claims: 11131-11133, 11181-11189, 11344, 11413, 11999-12000, 12020, 12021, 12716, 12717, 12577, 12578 and 15891(Figure 2). It is approximately 451.5 hectares in size and was optioned by Silver Century Explorations Ltd. from Crow Geological Services on February 1, 1996. The 1996 option payment and work commitment has been completed on the property. Annual option payments totalling $105,000 and property work commitments totalling $ 200,000 remain to be completed on the property.

LOGISTICS

Analytical Lab: Chimitec Ltee.
1322 rue Harricana
Val d'Or, Quebec.
J9P 3X6

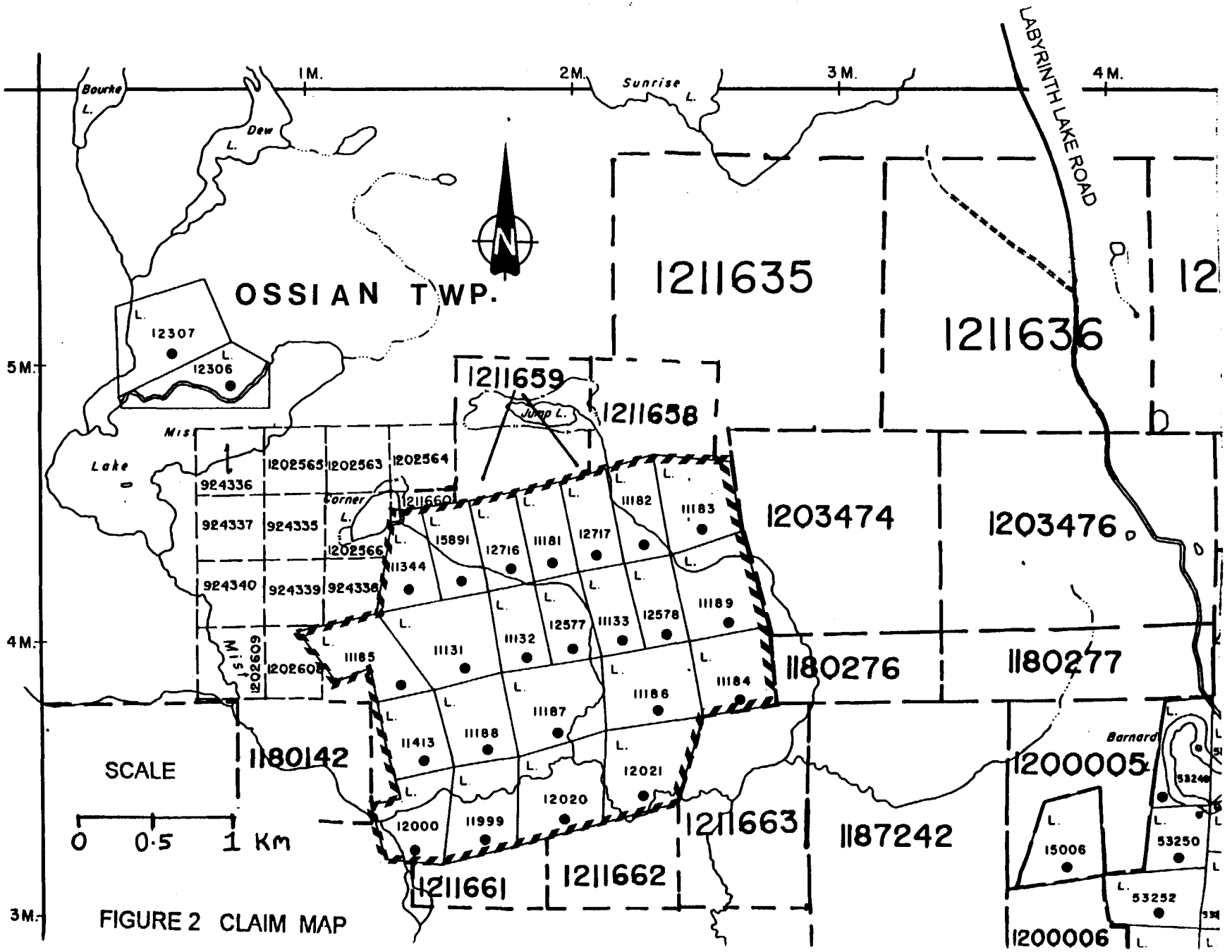

FIGURE 2 CLAIM MAP

Management Consultants:	W. A. Hubacheck Consultants Ltd. Suite 1401 141 Adelaide St. West Toronto, Ontario. M5H 3L5
Project Geologist:	David Christie, B.Sc. 104 Douglas Avenue Toronto, Ontario. M5M 1G6
Contract Geologist:	J. Kevin Montgomery, M.Sc. (App.) 1190 Lozanne Cr. Timmins, Ontario. P4P 1E8
Geological Assistant:	L. Michelle Joyette 133 Ogden Avenue Mississauga, Ontario. L5E 2H7
Geological Technician:	Robert Peever Kirkland Lake, Ontario.
Technician:	Joe Whitall Larder Lake, Ontario.

HISTORY OF EXPLORATION

In the early 1920's a gold bearing quartz zone was exposed and discovered on the property.

1922-25; Ossian Gold Mines Limited: Twenty-three mining claims were staked and subsequently patented to form the Ossian Gold Mine Property.

1925; Ossian Gold Mines Limited: Trenching and surface diamond drilling were conducted on the gold zone. The drilling program consisted of 19 holes totalling 5,421 feet. Gold values from the drilling ranged from trace to 1.64 oz Au/ton. The best composite gold intercepts were from Hole #7 and Hole #9 which returned 0.84 oz Au/ton over 10.7 feet and 0.698 oz Au/ton over 10 feet respectively (Morrison J.W., 1926).

1926-1927; Ossian Gold Mines Limited: A shaft was sunk to a depth of 210 feet for underground development of the gold bearing quartz zone. Levels were established at 90

and 200 feet depths with 600 feet and 450 feet of drifting on those levels respectively. On the 90 foot level, 480 feet of the lateral development was completed along the quartz zone. Underground sampling of the quartz zones returned gold values up to 0.126 oz Au/ton.

1928; Ossian Gold Mines Limited: P.E. Hopkins was contracted to carry out independent underground sampling of the workings. On the 90 foot level, the best underground sample was 0.08 oz Au/ton over 4.6 feet while on the 200 foot level it was 0.125 oz Au/ton over 3.5 feet. Hopkins also retested drill core from the surface drilling. Gold analysis indicated lower second cuts than the original first cuts.

1928; Ontario Division of Mines: T.L. Gledhill carried out a reconnaissance geological survey of the Ben Nevis area which included the Ossian Gold Mine Property.

1934; Ossian Gold Mines Limited: Dump material was sent to Noranda for testing and averaged 0.03 oz Au/ton and 0.02 oz Ag/ton. Selective dump material returned 0.125 oz Au/ton and 0.12 oz Ag/ton (Derry, 1973).

1935-1936; Ossian Gold Mines Limited: A short diamond drilling program of five holes was conducted to check the original holes 3, 5, 6, 7 and 9. The best result was 0.38 oz Au/ton over 2.8 feet from hole 5A. The other four holes failed to return significant gold values and verify the original holes (MacGregor J.G., 1936). This would suggest either an analytical problem or erratic gold mineralization.

1939; Sylvanite Gold Mines Limited: A surface examination of the trenches was conducted in 1938 by K. Heisey. A channel sample returned 0.63 oz Au/ton over 4 feet, 15 feet west of the shaft . K. Heisey recommended the old trenches be stripped clean and further cross trenching be conducted.

1947; Minedel Mines Limited: The Ossian Gold Mine Property was acquired from Ossian Mines Limited for 109,500 shares.

1947-1948; Geological Survey of Canada A regional aeromagnetic survey was conducted over the Larder Lake area which included the Ossian Gold Mine Property. At the same time, J.B. Currie completed a geological survey covering Ossian Township.

1949; Paymaster Consolidated Mines Limited A surface geological examination was completed on the property by C.S. Longley. Sampling of the old trenches returned gold results up to 1.47 oz Au/ton over 2 feet. A total of 13 grab samples were taken from the quartz shaft dump. The arithmetic average grade of the dump was calculated to be 0.09 oz Au/ton. The quartz shaft dump was estimated to contain 1,055 tons of material (Longley, 1949).

1970; Ontario Division of Mines: L.S. Jensen completed a geological survey covering

Ossian and Pontiac Townships.

1973; Minedel Mines Limited: The company contracted Derry, Michener and Booth Consultants to review historical data and examine the property. D. Derry recommended ground geophysical surveys over the property followed by diamond drilling if favourable geophysical results were obtained. He proposed the exploration program focus on the potential for base metal mineralization in the felsic package.

1975; Minedel Mines Limited: Pierre Lacombe studied the old surface and mine plans. He concluded that the old underground sampling and diamond drill results were unreliable and that surface sampling by Sylvanite Mines and Paymaster Consolidated were in agreement. He recommended that the quartz zones be channel sampled and a bulk sample taken of the quartz dump. If the results were favourable then a diamond drilling program should be considered.

Barringer Research conducted an airborne magnetometer survey over the property. This survey indicated a magnetically high area on the eastern side of the patents (Lacombe, 1975). A sharp magnetic low was outlined on the east boundary of the Ossian Gold Mine Property. This may outline a north-south fault structure.

1976; Minedel Mines Limited: Ground magnetic and electromagnetic surveys were conducted on portions of the patented claims and east unpatented claims as a follow up to the airborne magnetic survey. This work was carried out by Projex Limited under the supervision of L.G. Phelam. The magnetic survey results were relatively flat and unable to discern between the intermediate to mafic units and felsic units. There is a suggestion of a north-south cross cutting fault in the centre of the patents, marked by a magnetic interruption. The electromagnetic survey did not detect any strong conductors.

1979; Ontario Geological Survey: A regional airborne electromagnetic and total intensity magnetic survey was carried out by Questor Surveys Limited over Ossian Township. No geophysical anomalies were detected over the Ossain Gold Mine Property.

1992; Crow Geological Services Inc.: The Ossian Gold Mine patented claims were acquired.

1992; Geological Survey of Canada: Airborne electromagnetic and total field magnetic surveys were conducted by Geoterrex over Ossian Township as part of the Blake River Syncline Project. The airborne magnetic survey is relatively flat with a series of lows defining a north-south fault at the eastern boundary of the Ossian Gold Mine Property. The airborne electromagnetic survey did not detect any bedrock conductors on the Ossian Gold Mine Property.

1993; Crow Geological Services Inc.: A small grid of 8.65 line kilometres was cut centred about the old mine shaft. Lines were cut 100 m apart from 600W to 800E and

stretched 250 m north and south of the 1.4 Km baseline. Ground magnetic and VLF-EM surveys were completed over the grid.

The magnetic survey showed a series of linear ENE trending anomalies of low amplitude, which corresponds to volcanic stratigraphy. The VLF-EM survey outlined nine conductors ranging from moderately strong to extremely weak in strength. The most significant conductor (A) stretches from L200W to L800E between 100S and 200S. This conductor was thought to be a sulphide bearing unit. A second strong conductor (H and D) cross cutting the grid at a low angle was postulated to be a shear. This second conductor extends from L600W to L500E (Crowley, 1995).

On February 1, 1996, Crow Geological Services Inc. optioned the patented claims of the former Ossian Gold Mine to Silver Century Explorations Limited.

REGIONAL GEOLOGY

The property lies within the southwestern part of the Abitibi Greenstone Belt, in the Superior Province. The volcanic rocks of the region form part of the large east-plunging Blake River Synclinorium that lies between the Abitibi and Round Lake batholiths. The Destor-Porcupine and Larder-Cadillac shear zones cut the north and south limbs of the synclinorium, respectively. The property is underlain by the Blake River Archean Upper Super group.

The Blake River Group calc-alkalic volcanics range from basalts to rhyolites, with basalts and andesites being dominant. Dacite and rhyolite are abundant in the centre of the group. Units of the Blake River Group are shallow to moderately dipping. Along the margins of the group, units face towards the centre of the group suggesting a synclinorium. The centre of the group is occupied by an anticlinal structure cored by felsic intrusions. This may represent an original volcanic centre. The Blake River Group has a flat aeromagnetic signature and a sharp contact with the convoluted aeromagnetic pattern of the Kinojevis South Group, to the south.

The property covers the central portion of a felsic volcanic sequence (anticline) that stretches from Mist Lake to the east side of Labyrinth Lake (Figure 3).

PROPERTY GEOLOGY

The Ossian Gold Mine Property contains approximately 30 per cent bedrock exposure that occurs as knolls and ridges. Between these east-west trending knolls and ridges, bedrock is covered by glaciolacustrine silt and clay deposits, varying in thickness from 0 to 26 m (Toth and Christie, 1996).

Geological mapping on the property was conducted by the author and assisted by Michel Joyette from August 4, 1996 to September 30, 1996. This mapping was carried out on a metric grid with 100 m line spacing (Map 1). The grid was cut in June and July for the Geophysical surveys conducted by JVX Limited.

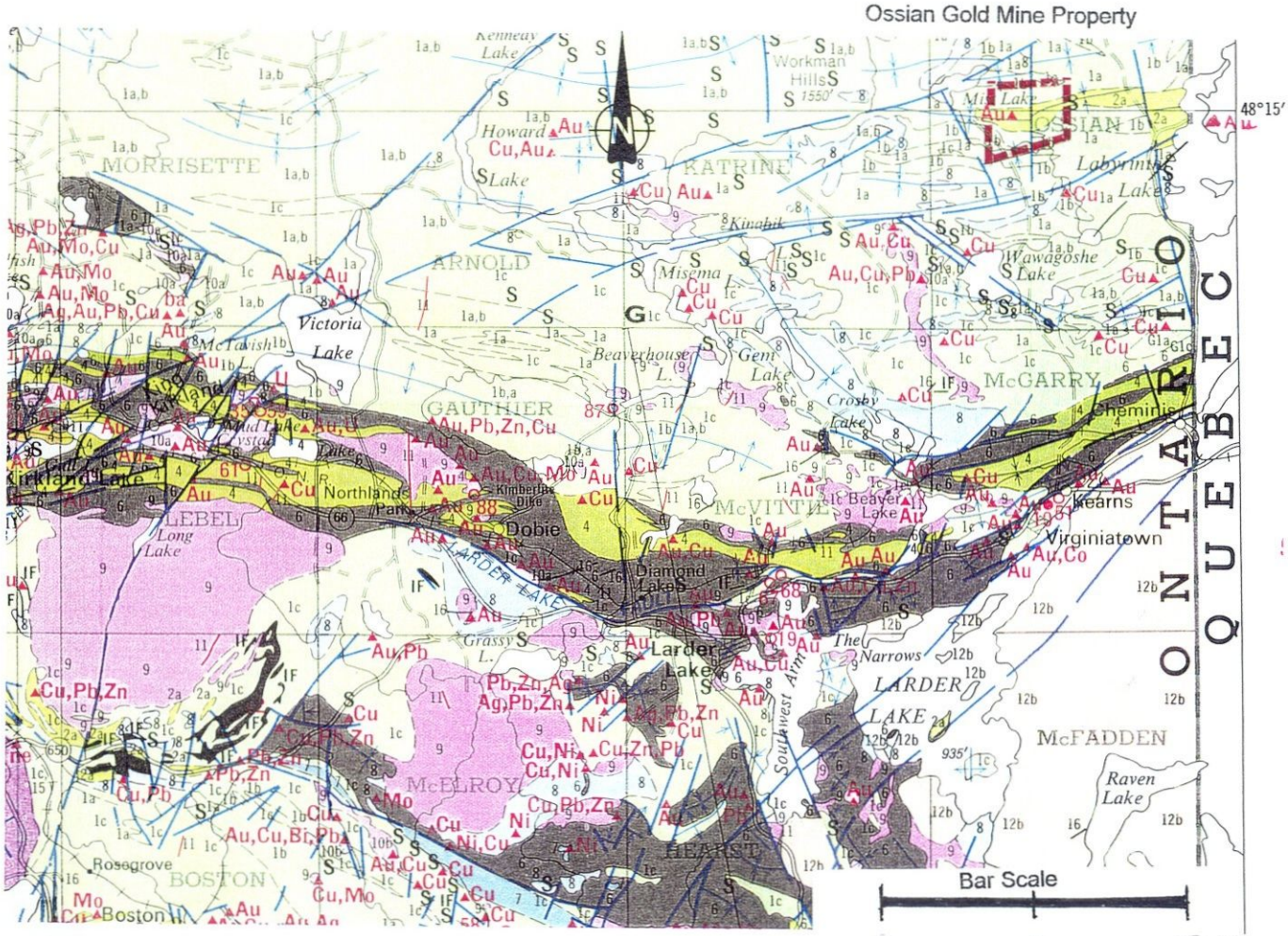

FIGURE 3 Larder Lake Area Geology Map

During the geological mapping a total of 103 rock samples were collected. All rock samples were analyzed for gold at Chimitec Ltee. in Val d'Or. In addition, 39 of these samples had whole rock and multi-element analysis carried out on them to determine rock types and any significant alteration. The bedrock chips from the winter 1996 reverse circulation program where also analyzed by whole rock and multi-element analysis.

The volcanics on the Ossian Gold Mine Property are calc-alkaline in affinity and range from rhyolite to basaltic in composition (see Appendix B). They trend east-west. There is a slight flexure of stratigraphy northwestward at the extreme west end of the property. The central portion of the property is underlain by felsic ash to crystal tuffs. This belt is approximately 900 m wide and appears to thin to the east to a 300m horizontal surface width. North and south of the felsic belt occur intermediate to mafic massive and pillowed flows. The pillow facing direction in the north is northward and in the south it is southward. This indicates that the stratigraphy on the property is an anticlinal sequence. Foliation within the core felsic belt is steep 75 to 85 degrees north or south and strikes anywhere from 85 to 110 degrees. Stronger shearing appears to occur in the centre of the felsic belt, possibly along the hinge axis of the anticline. Quartz zones are emplaced in this hinge area at the Ossian Gold Mine shaft. They were not found elsewhere on the property. Also the property does not appear to contain any felsic or mafic intrusives on surface.

The following stratigraphic units occur on the property:

Mafic to Intermediate Flows (2A/3A)

These flows are massive or pillowed. The green to dark green pillowed flows are characterized by thin (2-5 cm wide) soft, dark green, chloritic flow selvages and elliptical shaped pillows (0.3 to 1.5 m in diameter). Pillow tops are typically amygdaloidal (calcite or quartz filled) or vesicular when the calcite has weathered out. Locally the pillowed flows contain 10 to 20 per cent white feldspar phenocrysts. Dark green, basaltic pillowed flows are found in the northern portion of the property. Paler green andesitic pillowed flows are located in the south and central portions of the property (Appendix B).

The massive flows are green to pale green, fine-grained and typically homogeneous textured with 5 to 10 % amygdules. Amygdules are quartz, calcite and/or black chlorite filled. These massive flows are mostly andesitic in composition.

Intermediate Crystal To Lapilli Tuff (3B, xt to lt)

These intermediate crystal to lapilli tuffs are andesitic in chemical composition. They occur as a unit between the felsic tuffs and the mafic flows in the north. As well they are found locally within the mafic flow sequences. They are green, fine-grained, foliated tuffs comprised of 30% pale green dacitic lapilli fragments to crystals (1-5 mm diameter) within green chlorite-rich very fine-grained andesitic matrix. These tuffs are typically calcite altered.

Felsic Dacitic Ash Tuff (4B,t,d)

This unit has a pink tinted cream weathered surface. It is light green to reddish green (potassic alteration), very fine-grained to fine-grained, hard, massive, ash tuffs with 2 to 15 % dark green chlorite wisps to stringers. These dacite tuffs are moderately fractured to massive and locally foliated. Alteration consists of variably intense potassic alteration. The felsic dacite ash tuffs are part of the central felsic belt. Sections with intense potassic alteration have been mapped as subunits of the central felsic volcanic sequence.

Felsic Rhyolitic Ash Tuff (4B,t,r)

The weathered surfaces of this unit are cream coloured or gossanous where pyritic. Three varieties of the rhyolite are present: 1) a light grey, very fine-grained, hard, silicified, ash to crystal tuff, 2) a brownish cream coloured, very fine-grained, soft, carbonatized, sheared to well foliated ash tuff 3) a pale green, very fine-grained, hard, ash tuff, with 2 to 3 % green chlorite flecks. All three varieties contain very fine-grained disseminated pyrite mineralization; the siliceous grey ash to crystal tuff contains 5 to 15 % pyrite, the carbonatized ash tuff contains 2 to 3 % pyrite and the pale green tuff contains trace to 15 pyrite.

SHAFT AREA GEOLOGY AND MINERALIZATION

The former Ossian Gold Mine shaft is located in the centre of the grid (L0,BL). An area covering 300 W to 150 E and 100 S to 100 N was geologically mapped in detail by the author (MAP 2). This was done to obtain a better understanding of the volcanic stratigraphy in the shaft area and to search for any other possible mineralization in the area.

The area is underlain by felsic volcanic stratigraphy consisting of rhyolite, dacite and potassic dacite tuff units. These units vary from massive to moderately foliated. Foliation trends 080 to 110 degrees. Dips are steep 75 to 90 degrees either north or south. This would indicate proximity to the anticlinal axis of the felsic belt. A shear zone consisting of strongly sheared dacitic ash tuff was observed during mapping from L3 W 50 N to L1 W 10 S. This zone trends 085 degrees (MAP 2).

Fracturing is also quite strong with the dominant direction being north-south. Two north-south cross cutting faults at L0 and L1 E are interpreted to cut the stratigraphy (MAP 2). The L0 fault was observed to occur in the shaft on the 90 foot level. More north-south faults may be present in the shaft area.

A pyrite zone 10 to 15 m wide was discovered between L1 E and L2 E at 30 S. It has been traced for 100 m and appears to correspond with IP target TH-2 (Mihelcic and Webster, 1996). The zone consists of 8 to10 % very fine grained finely disseminated pyrite in light grey, silicified felsic crystal tuff. Only trace disseminate pyrite was observed

in the rest of the felsic stratigraphy in the shaft area. All surface rock sampling returned values of less than five ppb Au.

The old surface trenches near the Ossian Gold Mine Shaft were found to be overgrown with vegetation and partially filled with soil. Two technicians utilizing shovels and grubhoes were employed to clean out these old trenches as much as possible. Once these trenches were cleaned out, they were mapped by the author (MAP 3) and mineralized sections were channel sampled by the technicians.

The Ossian Gold Mine quartz zones have been traced on surface for 165 m by the cross trenching. On the west side of the shaft, their appears to be two east-west trending quartz zones (MAP 3). A northern quartz zone (2.5 m wide) with contacts trending 85 degrees is exposed in the northern portion of trench K. The trend of its contacts suggests that it is not a splay off the main quartz zone.

The main quartz zone strikes east-west through trenches J, K, H and I. It pinches and swells with a variable width from 3 to 10 m. The variable width may be the result of north-south fracturing and or/faulting. This however is not clearly noted in the historical mine data. Old mine level plans show the main quartz zone to dip 50 to 65 degrees north. The large bulge in trench H could be the same bulge on the 90 foot mine level at 70 m west and 12 m north of the shaft. If this is the case then the quartz bulge trends 265 degrees and plunges 28 degrees west.

A small (1-1.5 m wide) quartz zone trending 320 degrees was exposed on the surface at 50 W, 13 S. This may be the same zone as the one located 75 m west and 25 m north of the shaft on the 90 foot level. The zone on the 90 foot level is 0.6 m wide and splays off the main east-west quartz zone. It trends 330 degrees and dips 35 to 55 degrees east.

East of the shaft, the main quartz zone is much narrower 1.6 to 0.3 m wide and has been traced on surface for 75 m. It trends 070 degrees for the most part but flexes north-south at BL, 30 E. It dips 60 to 80 degrees to the south. Early diamond drilling results east of the shaft were not as spectacular and promising as west of the shaft. Therefore, only 40 feet of underground drifting (90 foot level) was conducted on the east quartz zone. C. W. Morrison reported in 1926 it was only 1 to 2 feet wide and occurred in a well-mineralized schist in the east drifting.

The quartz zones are milk white coloured, very fine-grained quartz with iron oxide stained fractures. Locally, 2-3 % chlorite filled microfractures are present. Fracturing is moderately intense with two dominant directions 110 and 350 degrees. Sulphide mineralization in the quartz zones consists of 0.5 to 3 % fine-grained disseminanted cubic brassy pyrite. The quartz zones are hosted by sheared pyritic rhyolite ash tuffs. In proximity to the quartz zones they contain 2 to 10 % fine-grained to medium-grained

disseminated cubic pyrite. The tuffs are often highly gossan weathered. They are typically cream to very pale green, very fine-grained, siliceous ash tuffs with occasional 2 to 5 % chlorite specks or stringers and 5 to 20 % quartz stringers/ veinlets.

Underground the rhyolite ash tuffs are described as being massive and variably altered as indicated by colour variation of greenish grey, pink and brown. Hydrothermal alteration close to the quartz zones consisted of chlorite, carbonate, and sericite. The greenish colour in the rocks was due to the presence of chlorite along slip planes (Hopkins, 1928).

To the west, underground, the main quartz zone on the 90 foot level averages 5 feet wide and at one point is 25 feet wide, P. E. Hopkins attributes this width increase to partly a fold in the formation and partly to overlapping by faulting while C.S. Longley describes it as a horizontal roll of the zone. On the 200 foot level, the vein averages 5 feet in width for a length of 200 feet.

Pyrite mineralization underground seems to be concentrated near the footwall contact (south) of the main quartz zone. Gold results also indicated that the gold is associated with the pyritic quartz zone material. The quantity of pyrite however was not an indication of the tenor of the gold. The pyritic rhyolite contacts of the quartz zone were not likely sampled as the width of the quartz zone often exceeded the drift width (Longley C.S., 1949).

A total of 74 samples were collected from the trenches with the vast majority being channel samples. A total of 15 samples (20%) returned gold values greater than 3 g/tonne. of these 15 samples, 13 samples were quartz material. The highest gold value obtained from the quartz zones was 20.49 gpt. Au/1.6 m (0.59 opt. Au/5.25 ft.) and from the pyritic felsic ash tuff host rock 3.04 gpt. Au/1.0 m (MAP 4). Historically the highest quartz surface channel sample recorded is 0.63 oz. Au /ton. over 4 feet (Heisley K.B., 1939).

West of the shaft, quartz zone composite gold sections include 4.32 gpt. Au/2.7m and 3.00 gpt. Au/3.9 m. Along the contacts of the quartz zones with the host pyritic felsic ash tuffs, composite gold sections include 2.80 gpt. Au /2.0 m, and 2.60 gpt. Au/1.7m. The far west end of the trenching returned the following sub economic gold sections; 2.25 gpt. Au /2 m and 1.38 gpt. Au/3.25 m from both quartz zones and felsic ash tuffs (Map 4W).

East of the shaft, channel cuts of 20.49 gpt. Au/1.6 m,11.19 gpt. Au/1.0 m and 8.60 gpt. Au/0.7 m were obtained from the east quartz zone. Composite golds sections, a mixture of the east quartz zone and host pyritic felsic tuff, were 8.18 gpt. Au/4.2 m and 2.89 gpt. Au/ 1.95 m (Map 4E).

DISCUSSION OF GEOPHYSICS

Silver Century Explorations Ltd. contracted JVX Ltd. in the summer of 1996 to conduct ground magnetic, very low frequency electromagnetic (VLF-EM) and spectral Induced polarization/ Resistivity surveys over the entire Ossian Gold Mine Property (Mihelcic and Webster, 1996). The ground magnetic and VLF-EM surveys were completed on all the grid lines (100 m line spacing). The Induced polarization/ Resistivity survey was completed on all odd numbered grid lines (200m spacing) as well as Line 0.

The ground magnetic survey results have a low range of magnetic variation from 57540 to 57629 nT. A higher magnetic area was outlined in the northeast section (L900E - L1400E) of the property. This was also indicated by the airborne magnetometer survey conducted by Barringer Research in 1975 (Lacombe P.G.,1975). This magnetic area consists of pillowed mafic flows in the north and massive mafic to intermediate flows in the south.

The ground magnetic survey shows a central low magnetic area which corresponds approximately to the central felsic-intermediate sequence. The intermediate-mafic volcanic sequences to the north and south show up overall slightly higher magnetically than the felsic belt. Although, the magnetic pattern is more convoluted with spot lows and highs. This may be due to north-south fault structures.

There is a linear magnetic low near and on L8 E. As well, a VLF-EM cross occurs on the baseline at 775E. The 1993 GSC regional airborne magnetic survey shows a linear magnetic low trending north-south in the L8E area. This is strong evidence for a fault structure trending north-south (MAP 1).

The ground VLF-EM survey has outlined a number of east-west VLF-EM conductors on the Ossian Gold Mine property. The main conductor is located from L200 W to L200 E between 100s and 200s(Mihelcic and Webster, 1996). This conductor was shown by Crow Geological Services to extend eastward as far as L800 E(Crowley, 1995). It is situated in a topographically low area within the central felsic belt. A small separate VLF-EM conductor exists along strike to the west of the main conductor in mafic flows. A chargeability high area from L 300 W to L0 (IP1) coincides with the main conductor.

A second major VLF-EM conductor occurs between 500 W and 100 W at 300 S. This is located at the interpreted felsic/intermediate to mafic contact. It may indicate shearing along the contact.

Two other VLF-EM conductors hosted by mafic flows occur on the property in the southeast and northwest. No IP anomalies coincident with these conductors. A weak to moderate VLF-EM conductor not noted by JVX Limited exists at 50 to 100 N from L 900 E to L1400 E on the grid.

The 1996 JVX Limited Spectral Time Domain Induced Polarization/Resistivity survey (Mihelcic and Webster, 1996) outlined the following IP anomalies:

LOCATION	NAME	DESCRIPTION	FIELD CONDITIONS
L700W to L900E BL-200S merges east of 900 E with IP2	IP1	High Priority Shallow High Chargeability Low Resistivity High MIP values with local short tau.	Southern half of central felsic-intermediate belt. West of 500W mafic flows. Significant fine grained sulphides with silicification.
L100W to 8800W, 200-400S.	IP2	High Priority Shallow High Chargeability Low Resistivity High MIP values with long tau.	Along the southern contact of central felsic-intermediate belt. Significant fine grained sulphides with silicification.
L8800W L1300E-900E, 250-150N and splits in two on L500 &700E	IP3	Moderate Priority Deep Moderate Charge. Shallow Low Resistivity	No bedrock exposure. In Magnetic High with weak VLF to south.
Northern top of grid from L500E to L1300E.	IP4	Very Low Priority Narrow Shallow Moderate Chargeability and High Resistivity	Pillowed Mafic Flow bedrock ridges. IP likely due to varying amounts of sulphides in flow selvages.
L100W to L100E at 800N	IP5	Very Low Priority Narrow Shallow Moderate Chargeability and High Resistivity West of IP4	No bedrock exposure probably sulphide in mafic flow selvages.
L500W 750S to L100E 1050S	IP6	Very Low Priority Very Weak Narrow Chargeability Very Low Resistivity	No bedrock exposure in Mafic-Intermediate Flow Terrain.

RESULTS AND RECOMMENDATIONS

Whole rock geochemistry and geological mapping on the Ossian Gold Mine Property has confirmed the presence of a large felsic belt. This belt is approximately 2.4 km long and 300 to 900 m wide. The belt hosts the Ossian Gold Mine Showing. Gold Mineralization is found in quartz zones and pyritic rhyolite ash tuffs at the showing. Rock channel sampling of the quartz zones and pyritic ash tuffs has returned economically significant gold sections of 8.18 gpt. Au/4.2 m, 4.32 gpt. Au/2.7 m and 3.0 gpt. Au/3.9 m. This confirms the good potential of the Ossian Gold Mine Showing for hosting a quartz lode gold deposit. Two short diamond drill holes are recommended to test this area.

Elsewhere in the felsic belt strong potassic, iron carbonate and silica hydrothermal alteration; pyritization; and shearing has been observed. These are favourable geological conditions. Unfortunately rock sampling away from the Ossian Gold Mine Showing did not return geochemically anomalous gold values.

The 1996 geophysical work outlined two strong and extensive (1.6 km long) high chargeability anomalies known as IP-1and IP-2 in the central felsic tuff belt (Mihelcic and Webster, 1996). These high chargeability anomalies along with the favourable geological conditions suggest the felsic tuff belt may host a pyritic gold deposit.

Three areas in the high chargeability anomalies are recommended as diamond drill targets due to their host lithology, MIP values over 400 MV/V and short spectral tau values.

In summary, the following five drill hole(Figure 4) totalling 1,175 m are recommended:

1. *L100W/225S* -50 dip, 340 azimuth, 325 m length

High Chargeability anomaly with low resistivity. Broad (200 m horizontal width) anomaly within felsic ash tuffs just north of mafic/felsic volcanic contact. Coincident VLF-EM conductor.

2. *35W/90N* -55 dip, 180 azimuth, 100 m length

Ossian gold mine shaft quartz zones which have returned gold values up to 20.5 gpt.. Au (0.59 opt Au).

3. *40E/50N* -50 dip, 180 azimuth, 100 m length

Ossian gold mine shaft quartz zones which have returned gold values up to 20.5 gpt.. Au (0.59 opt Au). East of TH-2 target.

4. *L700E/50S* -50 dip, 340 azimuth, 325 m length

Two High Chargeability (TH-3, TM-3) anomalies with low resistivity. Anomalies over 200 m horizontal width. Anomalies within felsic or intermediate ash tuffs.

5. *L1100E/450S* -50 dip, 360 azimuth, 325 m length

High Chargeability anomaly with low resistivity. Broad (200 m horizontal width) anomaly within felsic ash tuffs at the mafic/felsic volcanic contact.

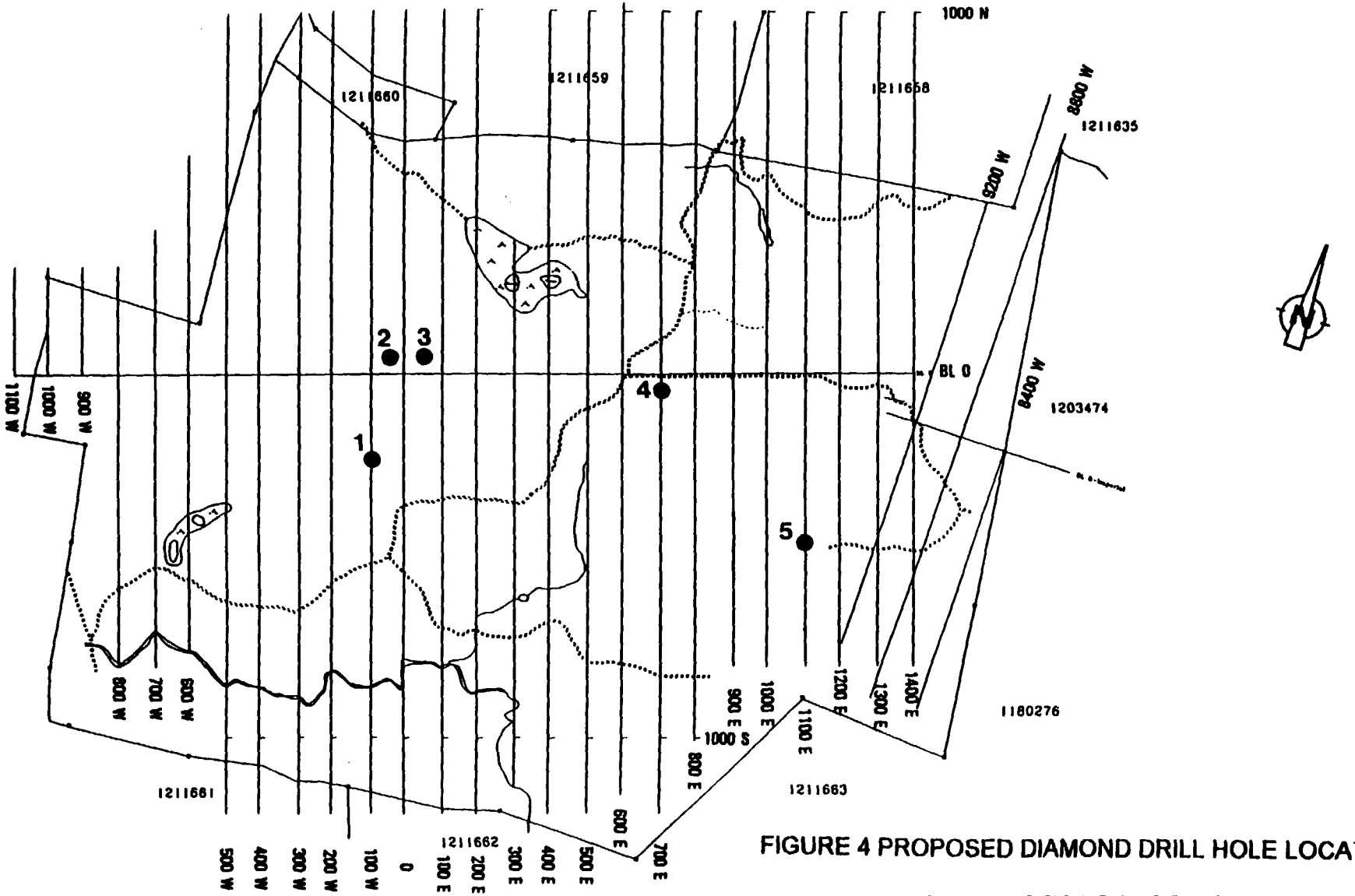

FIGURE 4 PROPOSED DIAMOND DRILL HOLE LOCATION MAP

SILVER CENTURY EXPLORATIONS LTD.
PROJECT 53
OSSIAN GOLD MINE PROPERTY
Ossian Twp, Larder Lake area, Ontario
NTS 32 D/4 & 32 D/5

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CERTIFICATE

I, J. Kevin Montgomery, of the City of Timmins, Province of Ontario, do hereby certify that:

(1) I am a professional Consulting Geologist, residing at 1190 Lozanne Crescent, Timmins Ontario, P4P 1E8 and presently contracted to W. A. Hubacheck Consultants Ltd., 141Adelaide St. W., Suite 1401, Toronto, Ontario.

(2) I hold a B.Sc. Honours degree in Geological Sciences(1984) from Queen's University of Kingston, Ontario and a M.Sc.(App.) in Mineral Exploration(1987) from McGill University at Montreal, Quebec.

(3) I am a member of the Canadian Institute of Mining and Metallurgy, the Prospectors and Developers Association of Canada, the Porcupine Prospectors and Developers Association, and the Quebec Prospectors Association.

(4) This report is based on my personal examination of the property in 1996.

(5) I have no personal interest in the property covered by this report.

(6) Permission is granted for the use of this report, in whole or in part, for assessment and qualification requirements but not for advertising purposes.

Dated at Timmins, Ontario
this 3rd day of January 1997.

J. Kevin Montgomery, M.Sc. (App..)

APPENDIX A GOLD ANALYSIS CERTIFICATES

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Fax: (819) 825-0256

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CERTIFICAT D'ANALYSE

REPORT: C96-62426.0 (COMPLETE)

DATE PRINTED: 26-JUL-96

PROJECT: 54

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2001		<5
2002		<5
2003		<5
2004		<5
2005		<5
2006		<5
2007		<5
2008		<5
2009		<5
2010		<5
2011		<5
2012		<5
2013		<5
2014		<5
2015		<5
2016		<5
2017		<5
2018		<5
2019		<5
2020		<5
2021		<5
2022		<5
2023		<5
2024		<5
2025		<5
2026		<5
2027		<5
2028		<5
2029		<5
2051		<5
2052		<5
2053		<5
2054		<5
2055		<5
2056		<5
2057		<5

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STANDARD NAME	ELEMENT UNITS	Au30 PPB
ANALYTICAL BLANK		7
ANALYTICAL BLANK		<5
Number of Analyses		2
Mean Value		4.8
Standard Deviation		3.18
Accepted Value		5
Gannet Standard		1088
Number of Analyses		1
Mean Value		1088.0
Standard Deviation		-
Accepted Value		1080
Gannet Standard		192
Number of Analyses		1
Mean Value		192.0
Standard Deviation		-
Accepted Value		206

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2007		<5
Duplicate		<5
Prep Duplicate		<5
2029		<5
Duplicate		<5

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PROJECT: 54 DATE PRINTED: 26-JUL-96

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	36	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	36	-150	36	CRUSH/SPLIT & PULV.	36

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2030		<5
2031		<5
2032		<5
2033		<5
2034		<5
2058		<5
2059		8

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STANDARD NAME	ELEMENT UNITS	Au30 PPB
Gannet Standard		1078
Number of Analyses		1
Mean Value		1077.9
Standard Deviation		-
Accepted Value		1080

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2059		8
Duplicate		12

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ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30 Gold	7	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	7	-150	7	CRUSH/SPLIT & PULV.	7

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PPM	Pb PPM	Zn PPM	Ag PPM
2113		<5	51	6	43	1.1
2114		<5	69	6	170	0.6
2115		10	54	7	26	2.1
2116		<5				
2117		<5				
2118		<5	19	6	21	<0.1
2119		<5	12	5	7	0.2
2120		<5	13	6	41	0.1

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REPORT: C96-62951.0 (COMPLETE) DATE PRINTED: 28-AUG-96 PAGE 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Cu PPM	Pb PPM	Zn PPM	Ag PPM
ANALYTICAL BLANK		<5	-	-	-	-
Number of Analyses		1	-	-	-	-
Mean Value		2.5	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		5	1	1	1	0.1
Gannet Standard		1076	-	-	-	-
Number of Analyses		1	-	-	-	-
Mean Value		1076.0	-	-	-	-
Standard Deviation		-	-	-	-	-
Accepted Value		1080	-	-	-	-

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PPM	Pb PPM	Zn PPM	Ag PPM
2114		<5	69	6	170	0.6
Duplicate		8				

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ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	8	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
2	Cu	Copper	6	1 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
3	Pb	Lead	6	2 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
4	Zn	Zinc	6	1 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
5	Ag	Silver	6	0.1 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	8	-150	8	CRUSH/SPLIT & PULV.	8

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
35099		5

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STANDARD NAME	ELEMENT UNITS	Au30 PPB
ANALYTICAL BLANK		<5
Number of Analyses		1
Mean Value		2.5
Standard Deviation		-
Accepted Value		5
AU167		175
Number of Analyses		1
Mean Value		175.0
Standard Deviation		-
Accepted Value		167

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
35099		5
Duplicate		6

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PROJECT: 54 DATE PRINTED: 20-SEP-96

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	1	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	1	-150	1	CRUSH/SPLIT & PULV.	1

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2087		<5
2088		<5
2089		<5
2090		<5
2091		<5
2092		<5
2093		<5
2094		<5
2095		6
2135		12
2136		22
2137		<5
2138		<5
2139		<5
2140		<5
2141		<5
2142		<5
2143		<5
2144		<5
2145		<5
2148		<5
2149		<5
2150		<5
2151		<5
2152		<5
2153		<5
2154		<5
2155		<5
2156		12
2157		<5
2159		<5
2160		<5
2161		<5
2162		<5
2163		<5
2164		<5
2165		<5

R. Deschambault

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STANDARD NAME	ELEMENT UNITS	Au30 PPB
ANALYTICAL BLANK		<5
ANALYTICAL BLANK		<5
Number of Analyses		2
Mean Value		2.5
Standard Deviation		0.00
Accepted Value		5
Gannet Standard		1590
Number of Analyses		1
Mean Value		1590.0
Standard Deviation		-
Accepted Value		1590
Gannet Standard		378
Number of Analyses		1
Mean Value		378.0
Standard Deviation		-
Accepted Value		410

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2087		<5
Prep Duplicate		<5
2090		<5
Duplicate		6
2153		<5
Duplicate		<5

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ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	37	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	37	-150	37	CRUSH/SPLIT & PULV.	37

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2038		<5
2044		<5
2045		<5
2063		<5
2066		<5
2068		<5

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ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	6	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	6	-150	6	CRUSH/SPLIT & PULV.	6

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MR. DAVE CHRISTIE
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CERTIFICAT D'ANALYSE

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 56

REPORT: C96-62938.0 (COMPLETE) DATE PRINTED: 21-AUG-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2086		<5

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CERTIFICAT D'ANALYSE

REPORT: C96-62938.0 (COMPLETE) REFERENCE: -

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. SUBMITTED BY: D. CHRISTIE
PROJECT: 56 DATE PRINTED: 21-AUG-96

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	1	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	1	-150	1	CRUSH/SPLIT & PULV.	1

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CERTIFICAT D'ANALYSE

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 56

REPORT: C96-63521.0 (COMPLETE) DATE PRINTED: 20-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB
2158		<5

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CERTIFICAT
D'ANALYSE

REPORT: C96-63521.0 (COMPLETE) REFERENCE: -

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. SUBMITTED BY: D. CHRISTIE
PROJECT: 56 DATE PRINTED: 20-SEP-96

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	1	5 PPB	Fire Assay of 30g	30g Fire Assay - AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	1	-150	1	CRUSH/SPLIT & PULV.	1

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APPENDIX B WHOLE ROCK ANALYSIS CERTIFICATES AND DIAGRAMS

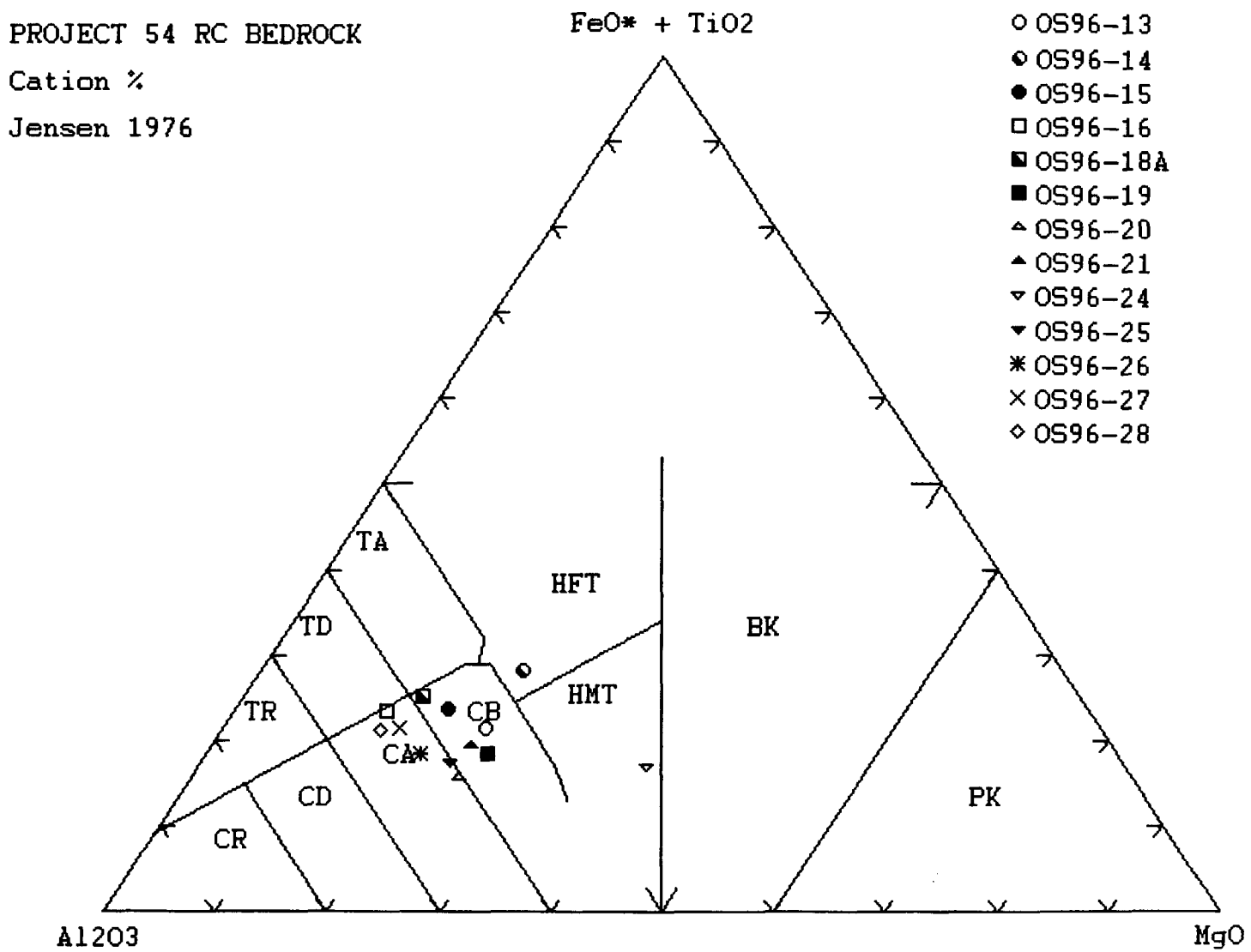
APPENDIX B WHOLE ROCK ANALYSIS CERTIFICATES AND DIAGRAMS

BOUDREAULT-LABBE RC LITHOGEOCHEMISTRY RESULTS

SAMPLE NO	JENSEN PLOT	ROCK TYPE	ANOMALOUS ELEMENTS
OS96-13	CB	ANDESITE	
OS96-14	HFT	BASALT	
OS96-15	CB	BASALT	
OS96-16	CA	ANDESITE	
OS96-18A	CB	BASALT	
OS96-19	CB	ANDESITE	
OS96-20	CA	ANDESITE	
OS96-21	CB	BASALT	-Na2O+K2O
OS96-24	HMT		-CaO,+MgO, -Na2O,+K2O
OS96-25	CB	ANDESITE	
OS96-26	CA	ANDESITE	
OS96-27	CA	ANDESITE	+K2O
OS96-28	CA	ANDESITE	

BOUDREAULT-LABBE LITHOGEOCHEMISTRY RESULTS

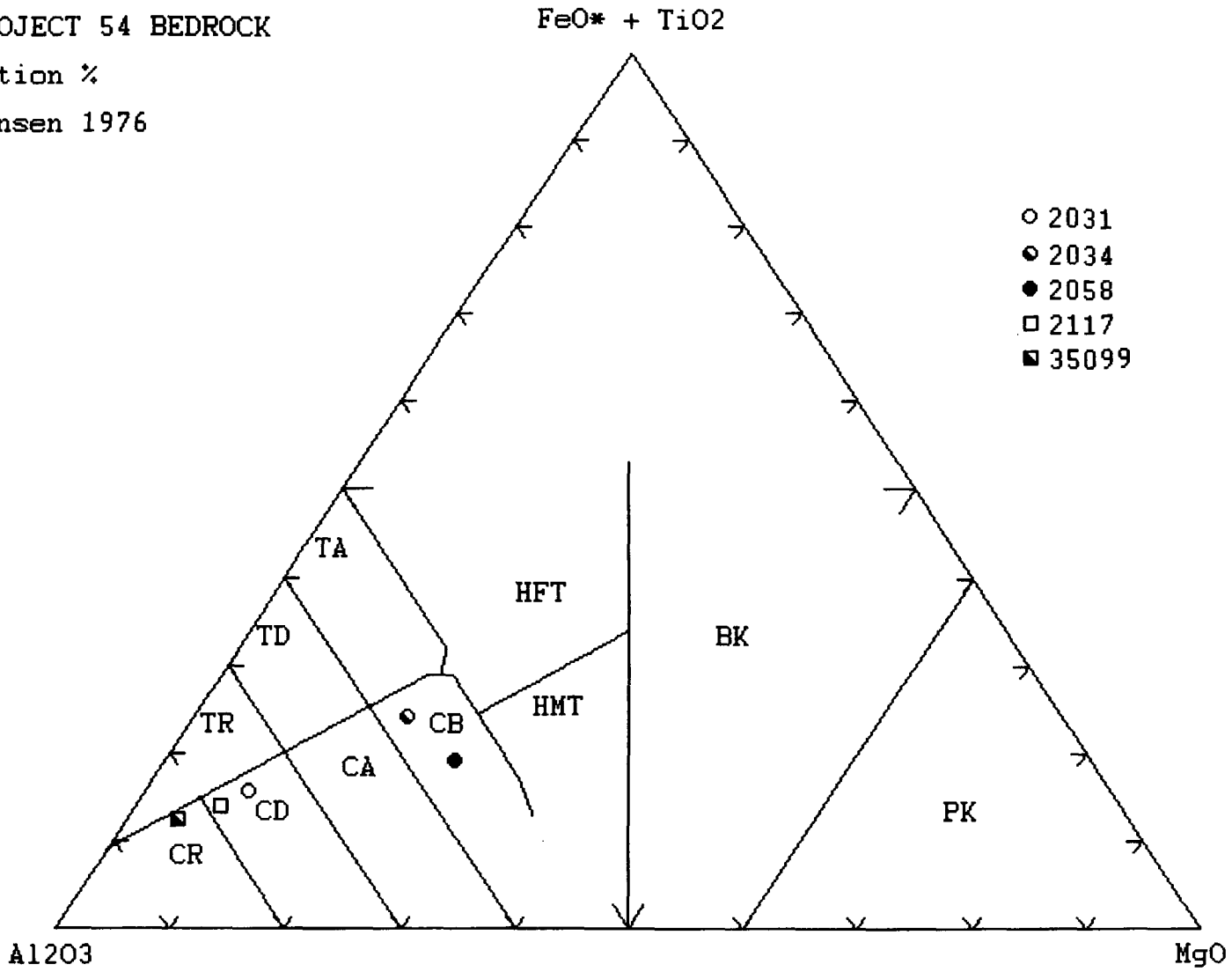
SAMPLE NO	JENSEN PLOT	ROCK TYPE	ANOMALOUS ELEMENTS
2031	CD	DACITE	
2034	CB	BASALT	
2058	CB	BASALT	
2117	CD	RHYOLITE	
35099	CR	RHYOLITE	
2002	CA	ANDESITE	
2004	CA	ANDESITE	
2009	CA	ANDESITE	-Na2O+CaO
2010	CA	ANDESITE	
2014	CA	ANDESITE	
2016	CR	RHYOLITE	
2017	CD	DACITE	
2019	CB	BASALT	+Fe2O3
2022	CR	RHYOLITE	
2027	CA	ANDESITE	
2051	CB	BASALT	-Na2O+K2O+MgO+Ba
2053	CA	ANDESITE	
2054	CD	RHYOLITE	-Na2O+K2O


PROJECT 54 RC BEDROCK
Cation %
Jensen 1976
FeO* + TiO2
OS96-13
OS96-14
OS96-15
OS96-16
OS96-18A
OS96-19
OS96-20
OS96-21
OS96-24
OS96-25
OS96-26
OS96-27
OS96-28
TA
HFT
TD
BK
HMT
TR
CB
CA
CD
PK
CR
Al2O3
MgO

PROJECT 54 BEDROCK

Cation %

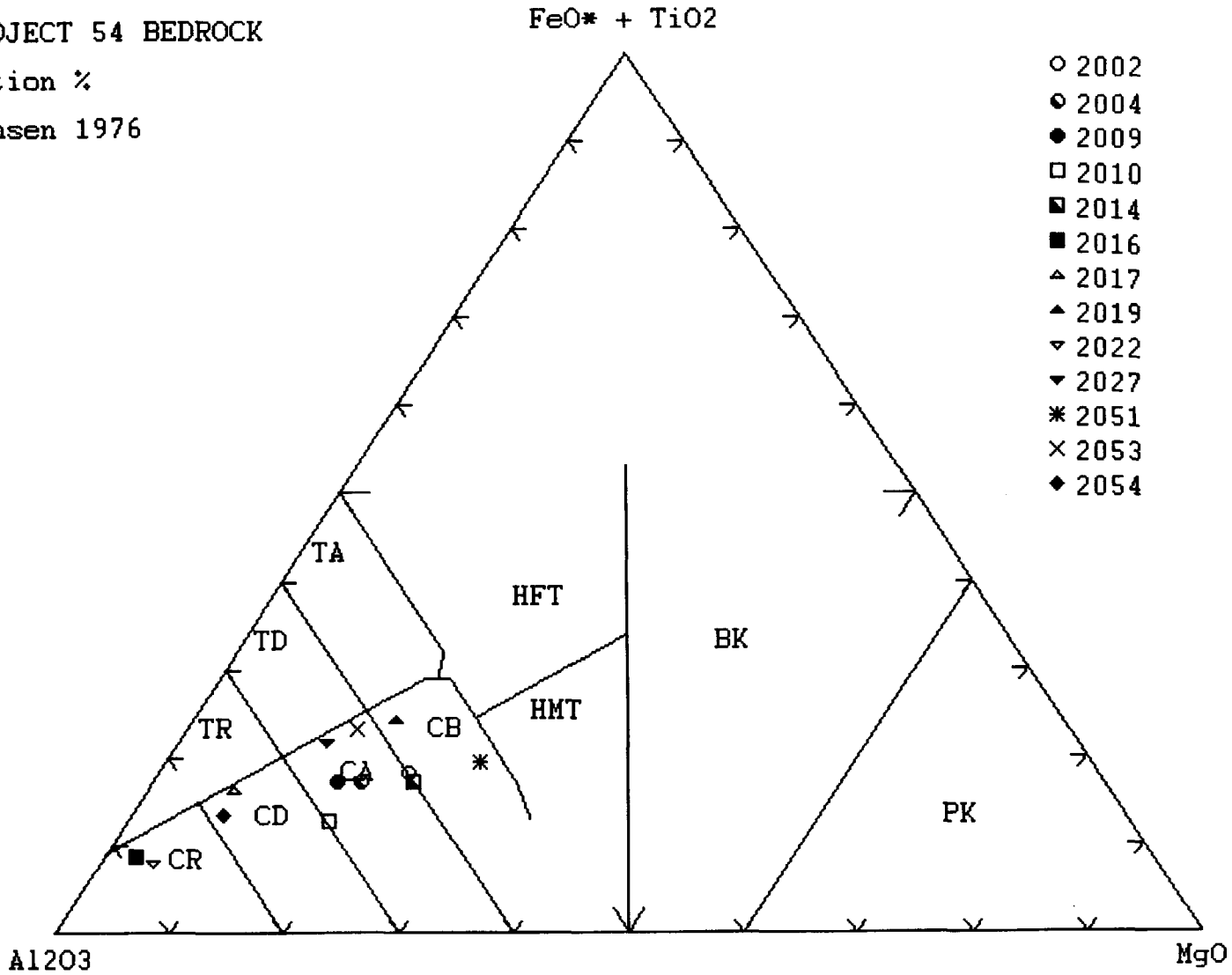
Jensen 1976



PROJECT 54 BEDROCK

Cation %

Jensen 1976



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CERTIFICAT D'ANALYSE

REPORT: C96-63520.1 (COMPLETE) REFERENCE: -

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. SUBMITTED BY: D. CHRISTIE
PROJECT: 54 DATE PRINTED: 21-NOV-96

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	SiO2	Silica (SiO2)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
2	TiO2	Titanium (TiO2)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
3	Al2O3	Alumina (Al2O3)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
4	Fe2O3*	Total Iron (Fe2O3)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
5	MnO	Manganese (MnO)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
6	MgO	Magnesium (MgO)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
7	CaO	Calcium (CaO)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
8	Na2O	Sodium (Na2O)	1	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
9	K2O	Potassium (K2O)	1	0.05 PCT	BORATE FUSION	INDUC. COUP. PLASMA
10	P2O5	Phosphorous (P2O5)	1	0.03 PCT	BORATE FUSION	INDUC. COUP. PLASMA
11	LOI	Loss on Ignition	1	0.05 PCT	Ignition 1000 Deg. C	GRAVIMETRIC
12	Total	Whole Rock Total	1	0.01 PCT		
13	Ba	Barium	1	10 PPM	BORATE FUSION	INDUC. COUP. PLASMA
14	Cr	Chromium	1	10 PPM	BORATE FUSION	INDUC. COUP. PLASMA
15	Sr	Strontium	1	1 PPM	BORATE FUSION	INDUC. COUP. PLASMA
16	Ag	Silver	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
17	Cu	Copper	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
18	Pb	Lead	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
19	Zn	Zinc	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20	Mo	Molybdenum	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
21	Ni	Nickel	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
22	Co	Cobalt	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
23	Cd	Cadmium	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
24	Bi	Bismuth	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
25	As	Arsenic	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
26	Sb	Antimony	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
27	Fe	Iron	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
28	Mn	Manganese	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
29	Te	Tellurium	1	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
30	Ba	Barium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
31	Cr	Chromium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
32	V	Vanadium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
33	Sn	Tin	1	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
34	W	Tungsten	1	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
35	La	Lanthanum	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
36	Al	Aluminum	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
37	Mg	Magnesium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

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CERTIFICAT D'ANALYSE

REPORT: C96-63520.1 (COMPLETE) REFERENCE: -

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. SUBMITTED BY: D. CHRISTIE
PROJECT: 54 DATE PRINTED: 21-NOV-96

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
38	Ca	Calcium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
39	Na	Sodium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
40	K	Potassium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
41	Sr	Strontium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
42	Y	Yttrium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
43	Ga	Gallium	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
44	Li	Lithium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
45	Nb	Niobium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
46	Sc	Scandium	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
47	Ta	Tantalum	1	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
48	Ti	Titanium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
49	Zr	Zirconium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	1	-150	1	SAMPLES FROM STORAGE	1

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CERTIFICAT D'ANALYSE

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-63520.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
35099		76.90	0.20	12.29	2.69	0.05	0.53	1.07	5.65	0.14	0.06	0.92	100.52

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SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
35099		98	47	110	<0.2	12	17	100	1	3	2	<0.2	<5

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SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
35099		<5	7	1.60	365	<10	15	131	2	<20	<20	5	0.96

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REPORT: C96-63520.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
35099		0.33	0.33	0.11	0.03	19	12	<2	7	11	<5	<10	<0.01

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SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
35099		13

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62826.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
2031		73.79	0.21	13.59	4.25	0.03	1.29	0.18	3.31	1.38	0.05	2.11	100.27
2034		55.08	1.10	15.88	9.40	0.15	4.06	4.18	2.85	0.92	0.16	6.53	100.35
2058		51.10	0.74	18.00	9.05	0.12	6.40	7.22	3.09	0.42	0.06	4.06	100.28

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
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SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
2031		633	<10	42	0.3	87	7	47	2	3	3	<0.2	<5
2034		233	<10	56	<0.2	11	12	107	4	13	21	<0.2	<5
2058		106	<10	167	<0.2	52	14	74	4	97	27	<0.2	<5

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SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
2031		<5	6	2.77	280	<10	119	82	2	<20	<20	<1	1.69
2034		<5	16	5.98	1117	<10	45	26	120	<20	<20	<1	3.93
2058		<5	19	5.12	719	<10	10	94	115	<20	<20	<1	4.59

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REPORT: C96-62826.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
2031		0.92	0.11	0.09	0.15	5	7	<2	16	6	<5	<10	<0.01
2034		2.20	2.59	0.06	0.10	19	3	<2	81	3	8	14	<0.01
2058		2.66	2.41	0.07	0.03	26	8	3	16	8	8	<10	0.30

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54

REPORT: C96-62826.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1E

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
2031		15
2034		6
2058		21

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62951.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
2117		73.09	0.20	12.58	3.31	0.06	0.96	1.60	3.64	1.29	0.04	2.51	99.32

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54

REPORT: C96-62951.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
2117		312	<10	55	0.3	3	8	45	2	2	2	<0.2	<5

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REPORT: C96-62951.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
2117		<5	<5	2.18	491	<10	44	89	2	<20	<20	10	1.34

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
2117		0.81	1.98	0.07	0.12	17	11	<2	19	11	<5	<10	<0.01

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SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
2117		12

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CERTIFICAT D'ANALYSE

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62426.1 (COMPLETE) DATE PRINTED: 26-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
2002		55.61	0.77	16.71	7.15	0.08	4.82	6.69	2.86	<0.05	0.10	3.70	98.50
2004		58.59	0.73	16.30	6.02	0.06	3.65	5.86	4.53	0.13	0.10	2.88	98.87
2009		61.67	0.24	10.60	4.07	0.06	2.04	9.05	0.23	0.78	<0.03	9.48	98.25
2010		63.76	0.68	15.09	3.61	0.05	3.03	4.38	5.13	0.62	0.09	2.41	98.91
2014		59.19	0.69	15.51	6.31	0.08	4.65	7.23	1.67	<0.05	0.09	3.93	99.35
2016		78.24	0.15	12.67	1.79	0.02	0.32	0.32	4.79	1.07	<0.03	1.40	100.81
2017		69.34	0.48	15.65	4.78	0.10	1.23	1.64	1.80	1.11	0.12	3.62	99.91
2019		53.43	1.11	17.50	10.24	0.10	4.23	3.49	5.29	0.15	0.14	4.87	100.57
2022		75.49	0.18	11.07	1.40	0.03	0.46	1.92	3.95	1.11	<0.03	2.09	97.73
2027		61.89	0.90	13.66	6.18	0.10	2.16	5.11	3.98	0.38	0.07	4.81	99.25
2051		54.56	1.03	16.59	8.56	0.06	6.79	2.12	<0.01	3.93	0.12	5.18	99.05
2053		57.09	1.22	16.88	8.64	0.08	3.21	7.03	2.63	0.15	0.14	2.96	100.08
2054		74.69	0.22	13.14	3.34	0.09	1.06	1.32	0.11	2.45	<0.03	3.11	99.57

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CERTIFICAT D'ANALYSE

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62426.1 (COMPLETE) DATE PRINTED: 26-NOV-96 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
2002		<10	<10	164	<0.2	52	5	84	<1	66	19	<0.2	<5
2004		44	18	136	<0.2	49	5	67	1	49	17	<0.2	<5
2009		142	<10	78	<0.2	12	<2	70	<1	38	10	<0.2	<5
2010		405	70	130	<0.2	36	4	49	<1	86	15	<0.2	<5
2014		<10	<10	110	0.2	47	4	68	<1	86	19	<0.2	<5
2016		315	<10	38	<0.2	7	4	57	2	6	4	<0.2	<5
2017		252	<10	108	<0.2	1	<2	68	<1	4	7	<0.2	<5
2019		118	<10	226	0.5	63	<2	86	<1	12	24	<0.2	<5
2022		303	28	79	<0.2	3	<2	15	<1	2	<1	<0.2	<5
2027		44	<10	120	<0.2	101	<2	81	<1	6	12	<0.2	<5
2051		863	126	23	0.3	44	3	60	<1	95	24	<0.2	<5
2053		58	63	227	<0.2	59	<2	76	<1	39	21	<0.2	<5
2054		509	<10	44	<0.2	10	3	76	<1	8	5	<0.2	<5

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62426.1 (COMPLETE) DATE PRINTED: 26-NOV-96 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
2002		23	<5	4.48	768	<10	9	75	92	<20	<20	11	3.89
2004		11	<5	3.84	602	<10	8	115	91	<20	<20	10	3.35
2009		5	<5	2.86	701	<10	31	29	21	<20	<20	8	2.40
2010		14	<5	2.18	471	<10	13	152	73	<20	<20	7	2.10
2014		<5	<5	4.01	729	<10	7	89	84	<20	<20	10	4.09
2016		<5	<5	1.32	221	<10	44	77	3	<20	<20	25	0.62
2017		6	<5	3.60	1220	<10	48	34	10	<20	<20	5	2.17
2019		17	<5	6.50	1064	<10	13	41	193	<20	<20	15	3.58
2022		<5	<5	0.74	364	<10	41	110	2	<20	<20	15	0.64
2027		5	<5	4.20	825	<10	13	32	93	<20	<20	16	2.22
2051		20	<5	4.88	616	<10	51	80	76	<20	<20	11	3.42
2053		10	<5	4.78	730	<10	5	60	119	<20	<20	9	3.16
2054		8	<5	2.18	826	<10	86	47	3	<20	<20	21	1.53

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CERTIFICAT D'ANALYSE

CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62426.1 (COMPLETE) DATE PRINTED: 26-NOV-96 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
2002		2.54	2.30	0.05	0.03	21	7	9	20	<1	6	<10	0.27
2004		2.10	2.53	0.08	0.01	21	9	11	8	<1	<5	<10	0.25
2009		1.42	7.64	0.07	0.09	34	5	5	31	<1	<5	<10	<0.01
2010		1.84	1.88	0.07	0.04	20	6	6	9	<1	<5	<10	0.21
2014		2.59	2.78	0.04	0.02	17	6	8	15	<1	6	<10	0.25
2016		0.18	0.28	0.09	0.12	8	13	3	4	<1	<5	<10	<0.01
2017		0.99	1.34	0.12	0.09	22	4	5	14	<1	<5	<10	<0.01
2019		2.45	2.00	0.06	0.01	39	4	8	19	1	13	<10	0.04
2022		0.20	1.57	0.09	0.15	25	23	2	4	<1	<5	<10	0.06
2027		1.20	3.75	0.07	0.04	23	11	8	28	<1	6	<10	0.26
2051		3.03	1.39	0.02	0.21	6	6	7	24	<1	6	<10	0.42
2053		2.18	1.36	0.07	0.01	26	4	5	18	1	<5	<10	0.34
2054		0.88	1.17	0.05	0.17	14	8	4	21	<1	<5	<10	<0.01

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54
REPORT: C96-62426.1 (COMPLETE) DATE PRINTED: 26-NOV-96 PAGE 1E

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
2002		17
2004		23
2009		12
2010		10
2014		13
2016		24
2017		7
2019		6
2022		18
2027		10
2051		17
2053		14
2054		10

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
PROJECT: 54
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DATE PRINTED: 21-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
05-96-19		57.61	0.83	16.55	7.63	0.11	5.82	5.52	2.70	0.10	0.12	3.60	100.62
05-96-20		55.71	0.63	17.73	6.60	0.10	5.53	8.31	2.48	0.37	0.08	2.92	100.51
05-96-21		55.23	0.95	15.66	7.38	0.11	4.99	6.80	0.40	1.88	0.13	6.49	100.07
05-96-21A		55.85	0.92	15.30	7.35	0.11	4.27	7.15	1.12	1.97	0.13	6.32	100.53
05-96-24		49.71	0.53	16.16	9.54	0.13	11.97	2.84	0.30	1.83	0.09	7.37	100.54
05-96-25		58.88	0.92	15.98	6.30	0.10	4.65	7.60	2.31	0.34	0.13	3.26	100.50
05-96-26		55.08	0.66	15.55	6.57	0.12	3.78	7.94	4.23	0.06	0.09	5.27	99.38
05-96-27		63.71	0.70	14.07	6.79	0.11	2.82	4.60	2.62	2.15	0.12	2.94	100.69
05-96-28		65.68	0.71	14.76	6.85	0.11	2.56	4.37	2.36	0.73	0.13	2.41	100.71

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
PROJECT: 54
REPORT: T96-57172.1 (COMPLETE)
DATE PRINTED: 21-NOV-96 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
05-96-19		50	113	242	0.4	83	15	80	3	56	21	<0.2	<5
05-96-20		121	179	290	0.2	12	12	46	3	62	18	<0.2	<5
05-96-21		324	61	124	<0.2	52	16	97	4	36	21	<0.2	<5
05-96-21A		402	68	115	0.3	53	14	86	3	34	21	<0.2	<5
05-96-24		619	136	9	<0.2	103	25	87	5	405	44	<0.2	<5
05-96-25		94	125	120	0.3	58	18	71	3	30	17	<0.2	<5
05-96-26		37	119	96	0.4	41	15	62	3	100	21	<0.2	<5
05-96-27		417	93	112	0.4	46	13	58	4	15	13	<0.2	<5
05-96-28		121	107	174	0.3	40	10	67	4	13	13	<0.2	<5

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
PROJECT: 54
REPORT: T96-57172.1 (COMPLETE)
DATE PRINTED: 21-NOV-96 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
05-96-19		<5	9	4.07	678	<10	7	85	97	<20	<20	<1	3.34
05-96-20		<5	5	3.10	490	<10	13	125	74	<20	<20	<1	2.71
05-96-21		<5	13	4.75	801	<10	33	50	70	<20	<20	<1	3.75
05-96-21A		<5	9	4.57	769	<10	38	53	66	<20	<20	<1	3.37
05-96-24		<5	21	5.70	909	<10	66	114	65	<20	<20	<1	5.70
05-96-25		<5	11	3.61	656	<10	7	93	124	<20	<20	<1	4.02
05-96-26		<5	6	4.07	819	<10	5	98	110	<20	<20	<1	3.09
05-96-27		<5	7	3.72	705	<10	47	65	64	<20	<20	<1	3.03
05-96-28		<5	<5	3.93	795	<10	14	70	74	<20	<20	<1	2.25

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
PROJECT: 54
REPORT: T96-57172.1 (COMPLETE)
DATE PRINTED: 21-NOV-96 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
05-96-19		2.82	0.90	0.06	<0.01	33	7	<2	27	7	8	<10	0.24
05-96-20		2.44	1.56	0.05	0.03	30	5	<2	16	5	<5	<10	0.20
05-96-21		2.49	4.76	0.05	0.14	40	3	<2	43	3	6	<10	0.01
05-96-21A		2.31	4.78	0.04	0.16	40	4	<2	38	4	5	<10	0.03
05-96-24		3.60	1.84	<0.01	0.14	9	5	<2	62	5	<5	<10	0.09
05-96-25		2.36	3.29	0.06	0.02	12	11	6	14	10	7	<10	0.23
05-96-26		2.02	5.10	0.08	<0.01	19	6	2	10	6	8	<10	0.24
05-96-27		1.51	2.22	0.03	0.20	20	17	3	11	16	6	<10	0.26
05-96-28		1.61	1.89	0.06	0.06	28	13	<2	17	13	6	<10	0.26

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
REPORT: T96-57172.1 (COMPLETE)

PROJECT: 54
DATE PRINTED: 21-NOV-96 PAGE 1E

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
05-96-19		7
05-96-20		3
05-96-21		4
05-96-21A		6
05-96-24		2
05-96-25		14
05-96-26		10
05-96-27		15
05-96-28		9

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
PROJECT: 54
REPORT: T96-57146.1 (COMPLETE)
DATE PRINTED: 21-NOV-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT
05-96-13		54.03	0.77	14.37	7.94	0.14	4.85	4.66	9.02	0.21	0.11	4.77	100.92
05-96-14		51.10	1.15	13.04	10.71	0.13	5.03	8.15	5.72	0.55	0.17	5.00	100.81
05-96-15		54.79	0.98	14.54	8.40	0.13	3.81	3.15	7.77	0.35	0.14	3.51	97.60
05-96-16		56.61	0.81	15.81	8.47	0.14	2.73	5.57	7.69	0.36	0.13	2.38	100.72
05-96-18A		50.46	1.01	17.26	10.50	0.17	3.72	6.29	2.32	1.22	0.13	6.18	99.31

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54

REPORT: T96-57146.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
05-96-13		87	171	139	0.5	52	15	170	5	67	28	<0.2	<5
05-96-14		167	101	300	0.4	68	15	75	4	28	23	<0.2	<5
05-96-15		113	<10	143	<0.2	59	12	94	4	10	21	<0.2	<5
05-96-16		107	10	274	0.3	41	11	76	3	6	16	<0.2	<5
05-96-18A		407	<10	135	<0.2	71	16	73	4	12	26	<0.2	<5

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54

REPORT: T96-57146.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
05-96-13		<5	16	5.11	1054	<10	10	104	115	<20	<20	<1	3.31
05-96-14		<5	8	5.46	792	<10	22	67	127	<20	<20	<1	3.57
05-96-15		<5	6	5.69	1020	<10	20	30	164	<20	<20	<1	3.11
05-96-16		<5	10	4.44	912	<10	16	43	70	<20	<20	<1	2.64
05-96-18A		<5	8	6.65	1226	<10	42	21	135	<20	<20	<1	3.52

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD. PROJECT: 54

REPORT: T96-57146.1 (COMPLETE) DATE PRINTED: 21-NOV-96 PAGE 1D

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
05-96-13		2.53	2.63	0.08	0.02	25	10	<2	34	10	10	<10	0.21
05-96-14		2.44	3.05	0.07	0.06	43	11	4	24	10	7	<10	0.36
05-96-15		2.40	1.34	0.07	0.04	22	11	3	20	11	11	<10	0.38
05-96-16		1.96	1.27	0.07	0.05	59	12	<2	18	12	7	<10	0.27
05-96-18A		2.15	3.75	0.06	0.11	18	9	<2	33	9	9	<10	0.35

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CLIENT: W.A. HUBACHECK CONSULTANTS LTD.
PROJECT: 54
REPORT: T96-57146.1 (COMPLETE)
DATE PRINTED: 21-NOV-96 PAGE 1E

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM
05-96-13		9
05-96-14		7
05-96-15		18
05-96-16		6
05-96-18A		11

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Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number: W9880.00332
Assessment Files Research Imaging

32D05SE2003 2.18501 OSSIAN 900

subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the review the assessment work and correspond with the mining land holder. Recorder, Ministry of Northern Development and Mines, 6th Floor,

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

2.18501

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

Name: Crow Geological Services Inc.	Client Number:
Address: 5812 Cornell Crescent	Telephone Number: 905-542-8063
Mississauga, Ontario, L5M 5R5	Fax Number: 905-542-8063
Name: SilverCentury Explorations Ltd.	Client Number: 301001
Address: c/o W.A. Hubacheck Consultants Ltd.	Telephone Number: 416-364-2895
#807-365 Bay St., Toronto, Ontario, M5H 2V1	Fax Number: 416-364-5384

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

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

Work Type: Geological Mapping	Office Use
	Commodity
	Total $ Value of Work Claimed: 44,088
Dates Work Performed: From 04 / 08 / 1996 (Day / Month / Year) To 30 / 09 / 1996	NTS Reference
Global Positioning System Data (if available) — Township/Area: Ossian Twp.	Mining Division: Larder Lake
M or G-Plan Number:	Resident Geologist District: Kirkland Lake

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: W.A. Hubacheck Consultants Ltd.	Telephone Number: 416-364-2895
Address: #807-365 Bay St., Toronto, Ontario, M5H 2V1	Fax Number: 416-364-5384
Name:	Telephone Number:
Address:	Fax Number:
Name:	Telephone Number:
Address:	Fax Number:

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4. Certification by Recorded Holder or Agent

I, David W. Christie (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent			Date: May 26/98
Agent's Address: W.A. Hubacheck Consultants Ltd., #807-365 Bay St. Toronto, Ontario, M5H 2V1		Telephone Number: 416-364-2895	Fax Number: 416-364-5384

0241 (02/96)

Deemed August 25/1998

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

W9880.00332

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
30001051	11131	27.76ha	1917	0	1917	0
30001062	11132	14.25	1917	0	1917	0
30001073	11133	13.84	1917	0	1917	0
80001354	12021	26.71	1917	0	1917	0
30001085	11181	14.57	1917	0	1917	0
80001096	11182	15.78	1917	0	1917	0
30001107	11183	23.07	1917	0	1917	0
30001118	11184	21.49	1917	0	1917	0
30001129	11185	21.17	1917	0	1917	0
30001131 0	11186	24.65	1917	0	1917	0
30001141 1	11187	26.63	1917	0	30	1887
30001151 2	11188	19.55	1917	0	0	1917
30001201 3	11344	16.49	1917	0	0	1917
80001211 4	11413	16.84	1917	0	0	1917
80001321 5	11999	21.65	1917	0	0	1917
		Column Totals				

I, _____ (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing _____ Date May 28/98

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

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

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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

For Office Use Only

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Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	

0241 (02/96)

Ontario | Ministry of Northern Development and Mines

Schedule for Declaration of Assessment Work on Mining Land

W9880.00332

2.18501

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land	Value of work applied to this claim	Value of work assigned to other mining claims	Bank. Value of work to be distributed at a future date
8000133	12000	19.87	1917'	0	0	1917
8000134	12020	26.71	1917'	0	0	1917
8000140	12716	14.57	1917'	0	0	1917
8000141	12717	15.78	1917'	0	0	1917
8000138	12577	14.29	1917'	0	0	1917
8000139	12578	14.08	1916'	0	0	1916
8000163	15891	16.19	1916'	0	0	1916
	1211635	16 units	0	6400'	0	0
	1211636	16 units	0	6400'	0	0
	1211637	16 "	0	6400'	0	0
8000116	11189	25.53ha	1916'	0	0	1916
		Column Totals	44088	19200	19200	24888

RECEIVED
[illegible] 27 [illegible]
10:436B
GEOSCIENCE ASSESSMENT OFFICE

0290 (02/96)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W9880.00332

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Project Geologist	2.185 km		4466.82
Field Geologist			15290.26
Assistant Geologist			2730.11
Technician			2901.47
Assaying			26502.18
Consulting Fee			3867.81
Map Drafting			3798.50
Associated Costs (e.g. supplies, mobilization and demobilization).			
	Field Expenses		804.29
	Reproduction		113.69
	Courier		106.69
	Logistical Expenses		1010.90
Transportation Costs	Truck+ATV Rental		4724.86
	Truck Repairs		460.25
	Fuel		1070.95
Food and Lodging Costs	Food		1861.14
	Lodging		1050.00
		Total Value of Assessment Work	44088.12

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, DAVID W. CHRISTIE (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as PROJECT GEOLOGIST (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

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10:43GB
GEOSCIENCE ASSESSMENT OFFICE

GEOSCIENCE ASSESSMENT OFFICE

Signature	Date
	May 16/98

0212 (02/96)

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: (888) 415-9846
Fax: (705) 670-5881

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

August 27, 1998

SILVER CENTURY EXPLORATIONS LTD.
401 BAY STREET, SUITE 2302
P.O. BOX 102
TORONTO, ONTARIO
M5H-2Y4

Dear Sir or Madam:

Submission Number: 2.18501

Subject: Transaction Number(s):		**Status**
	W9880.00332	Deemed Approval

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

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

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

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gatesb2@epo.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

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

Correspondence ID: 12713

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18501

Date Correspondence Sent: August 27, 1998 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9880.00332	11131	OSSIAN	Deemed Approval	August 25, 1998

Section:
12 Geological GEOL

Correspondence to:

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

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

David W. Christie
TORONTO, ONTARIO, CANADA

SILVER CENTURY EXPLORATIONS LTD.
TORONTO, ONTARIO

Correspondence ID: 12713

TRIM LINE

PONTIAC TWP.

KATRINE TOWNSHIP - M.357

PROVINCE OF QUEBEC

McGARRY TWP.

1M. 2M. 3M. 4M. 5M.

49M.

48M.+13ch.

47M.+29ch.

47M.+11ch.

45M.+12ch.

45M.

44M.

5M. 4M. 3M. 2M. 1M.

1M.+5.25ch.

48° 11' 18"

79° 37' 50"

1222151 1222152

1211635 1211637

1211636

1211659 1211658

1203474 1203476 1203477

1180276 1180277

1180142 1180154

1211663 1187242

1211661 1211662

GEOL

2.18501

1211987

1217628

1211909 1226880

1211988 1221872

1226879

1189650 1217766

1211989

1206358

1221790

1206073 1222529

1187159

1200005 1200006

1205973 1205974 1205976

1211639

1211473

Labyrinth Lake

Bourke L. Dew L. Sunrise L. Jump L. Corner L. Mulven Lake Wawagoshe Lake Sandy Lake Waterhen Lake Barnard Creek Gardner L. Glover L. Rodensere L.

LUP

MINING CLAIM

ARCHIVED OCTOBER 16, 1996

THE TOWNSHIP
OF

OSSIAN

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

DISPOSITION OF CROWN LANDS

PATENT, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION

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.

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

Order No.	File	Date	Disposition (SR–SURFACE RIGHTS, MR–MINING RIGHTS)
(RI) W.64/74	96371	4/12/74	S.R.O.

DATE OF ISSUE

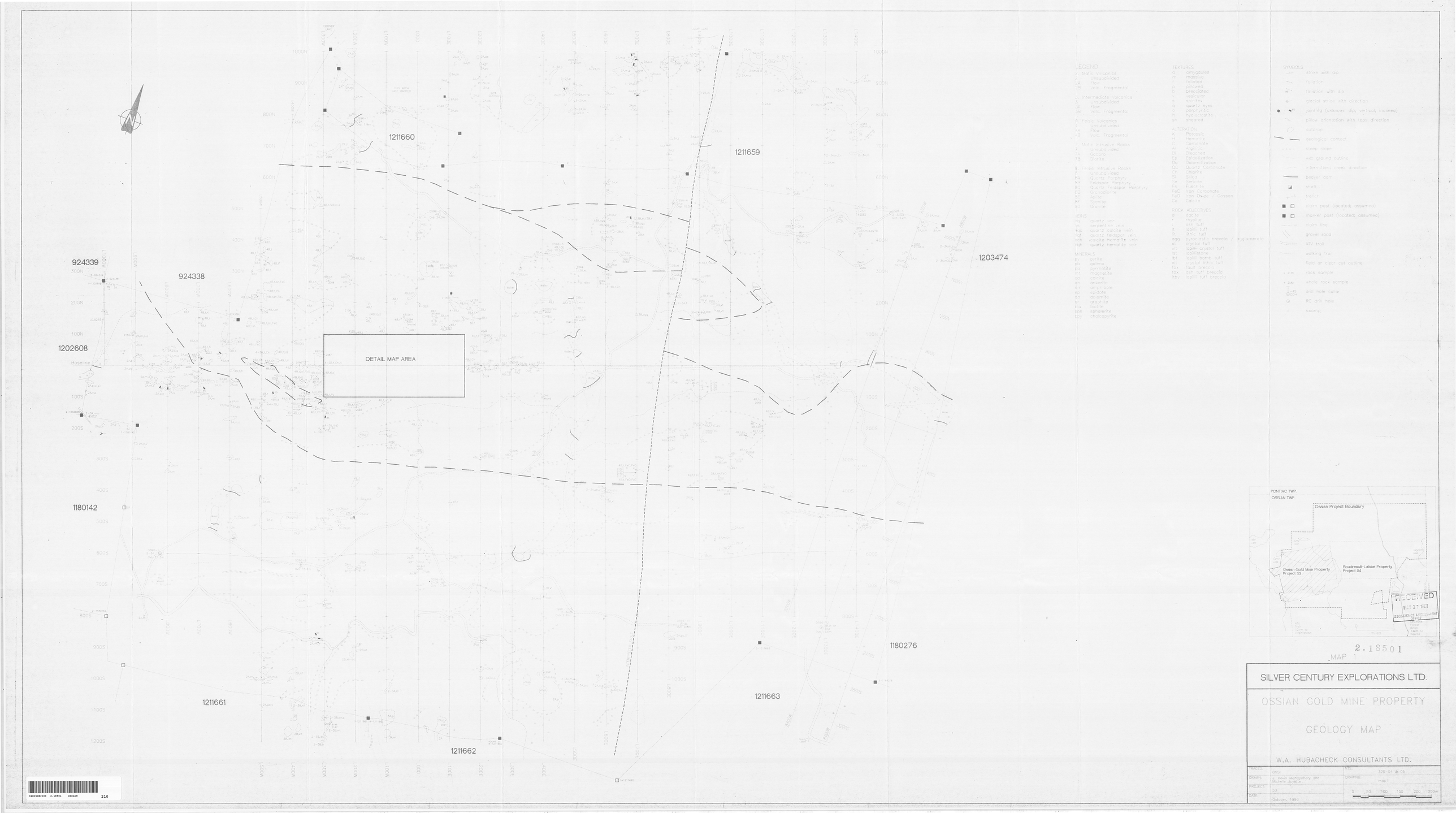
JUL 0 6 1998

PROVINCIAL RECORDING
OFFICE - SUDBURY

CIRCULATED MAY 9, 1995 CM

PLAN NO. M.378

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH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1211659
924339
924338
1203474
1202608
Baseline
DETAIL MAP AREA
1180142
1211661
1211662
1211663
1180276
LEGEND
SYMBOLS
TEXTURES
ALTERATION
ROCK ADJECTIVES
MINERALS
PONTIAC TWP.
OSSIAN TWP.
Ossian Project Boundary
Ossian Gold Mine Property
Project 53
Boudreault-Labbe Property
Project 54
RECEIVED
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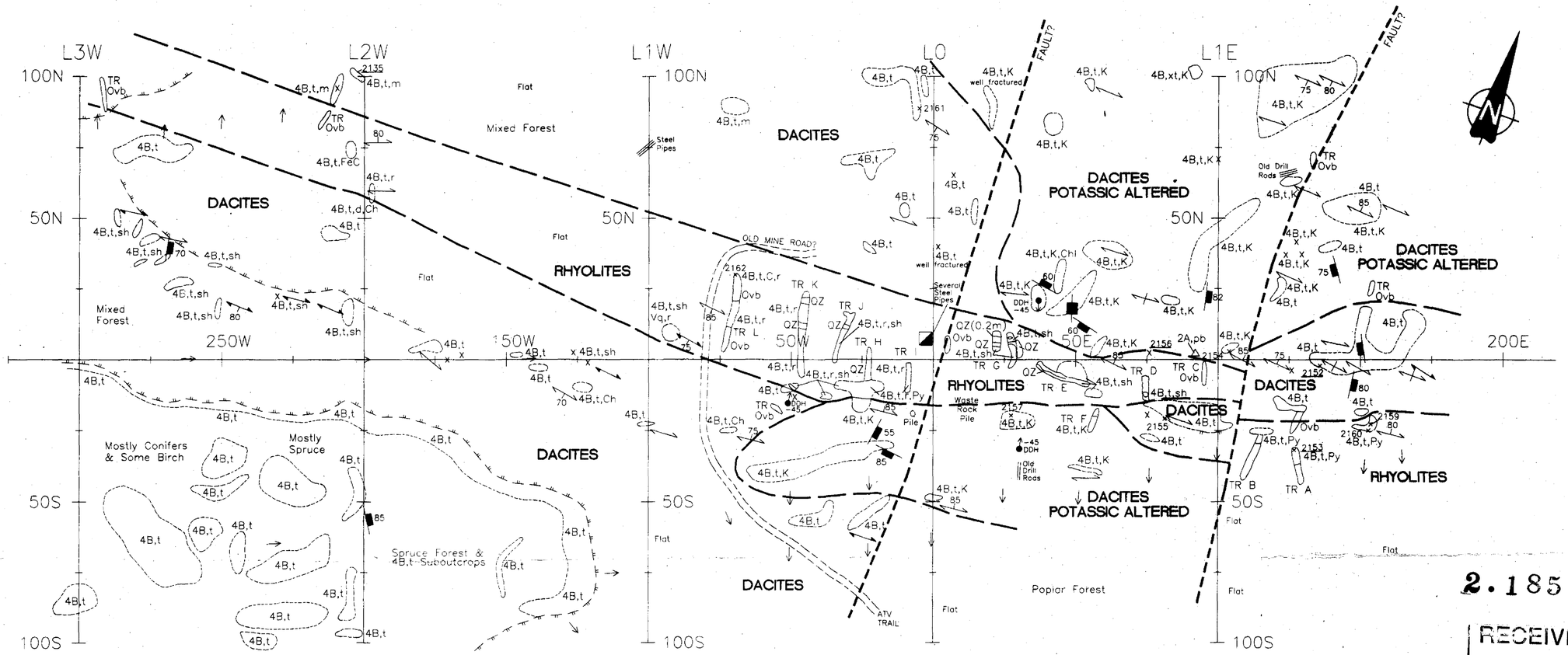
GEOSCIENCE ASSESSMENT
OFFICE
2.18501
MAP 1
SILVER CENTURY EXPLORATIONS LTD.
OSSIAN GOLD MINE PROPERTY
GEOLOGY MAP
W.A. HUBACHECK CONSULTANTS LTD.
TRACED: GMS
DRAWN: K. Kevin Montgomery and Michelle Joyette
PROJECT: 53
DATE: October, 1989
NTS: 32D-04 & 05
DRAWING: map1
0 50 100 150 200 250m
2.18501
210



2.18501

LEGEND

4. FELSIC VOLCANICS
- 4 Unsubdivided
- 4A Flow
- 4B Volcanic Fragmental
- r Rhyolite
- rd Rhyodacite
- d Dacite

MISCELLANEOUS
- sh strongly sheared
- mod moderately sheared
- m massive
- Py1 pyrite with %
- QZ Quartz Zone
- qs quartz stringers
- Vq quartz vein
- Ovb Overburden
- TR Trench
- t ash tuff
- xt crystal tuff

ALTERATION
- K Potassic
- C Carbonate
- Ca Calcite
- Ch Chlorite
- Si Silica
- FeC Iron Carbonate
- FeO Iron Oxide / Gossan
- Se Sericite

SYMBOLS
- shearing
- shearing with dip
- foliation
- foliation with dip
- fold axis
- glacial striae with direction
- jointing (vertical, inclined)
- outcrop
- steep slope
- slope direction

- × 2152 whole rock sample (grab)
- × 2153 rock sample (grab)
- drill hole collar with dip
- RC drill hole

MAP 2

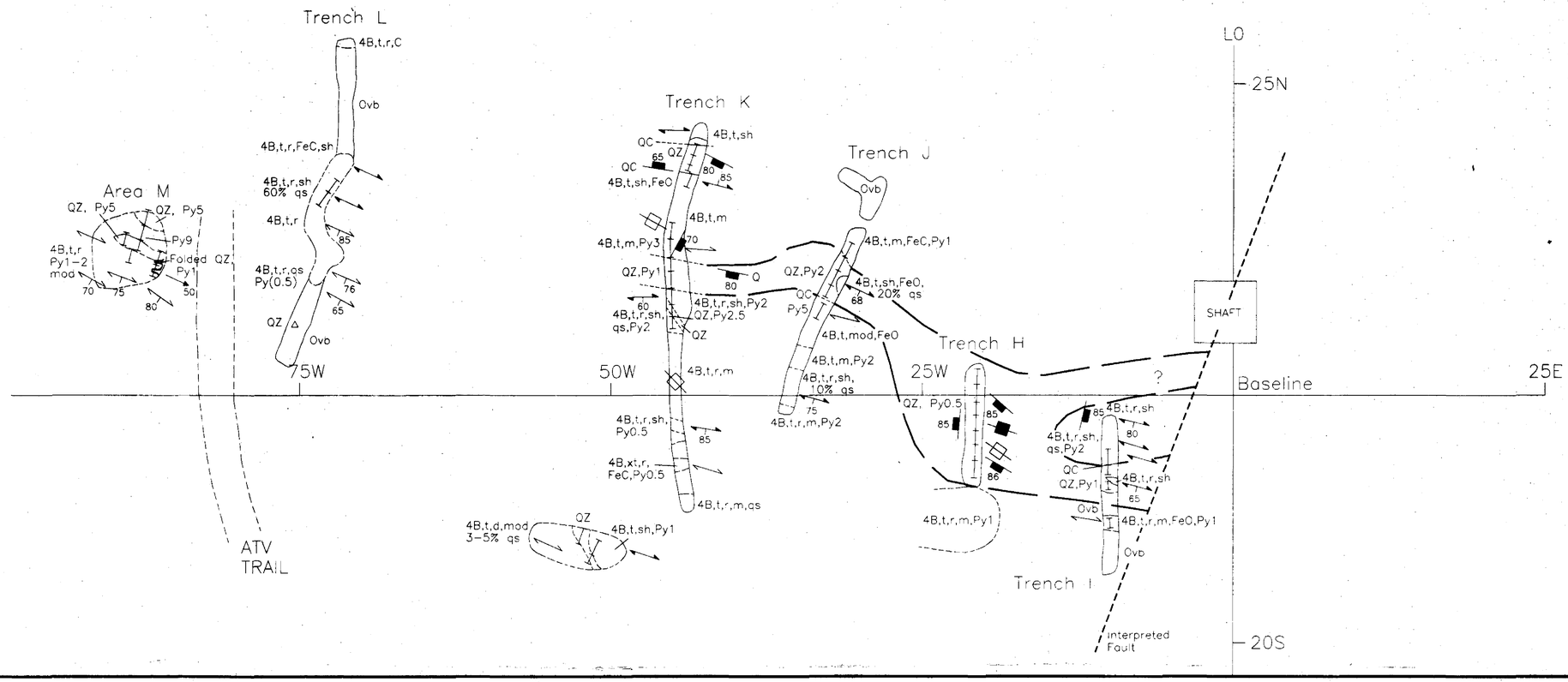
SILVER CENTURY EXPLORATIONS LTD.

OSSIAN GOLD MINE PROPERTY

SHAFT AREA GEOLOGY

W.A. HUBACHECK CONSULTANTS LTD.

TRACED: GMSI	NTS:
DRAWN: J. Kevin Montgomery	DRAWING: map2
PROJECT: 53	SCALE 1:1,000
DATE: October, 1988	0 10 20 30 40 50m



MAP 3W

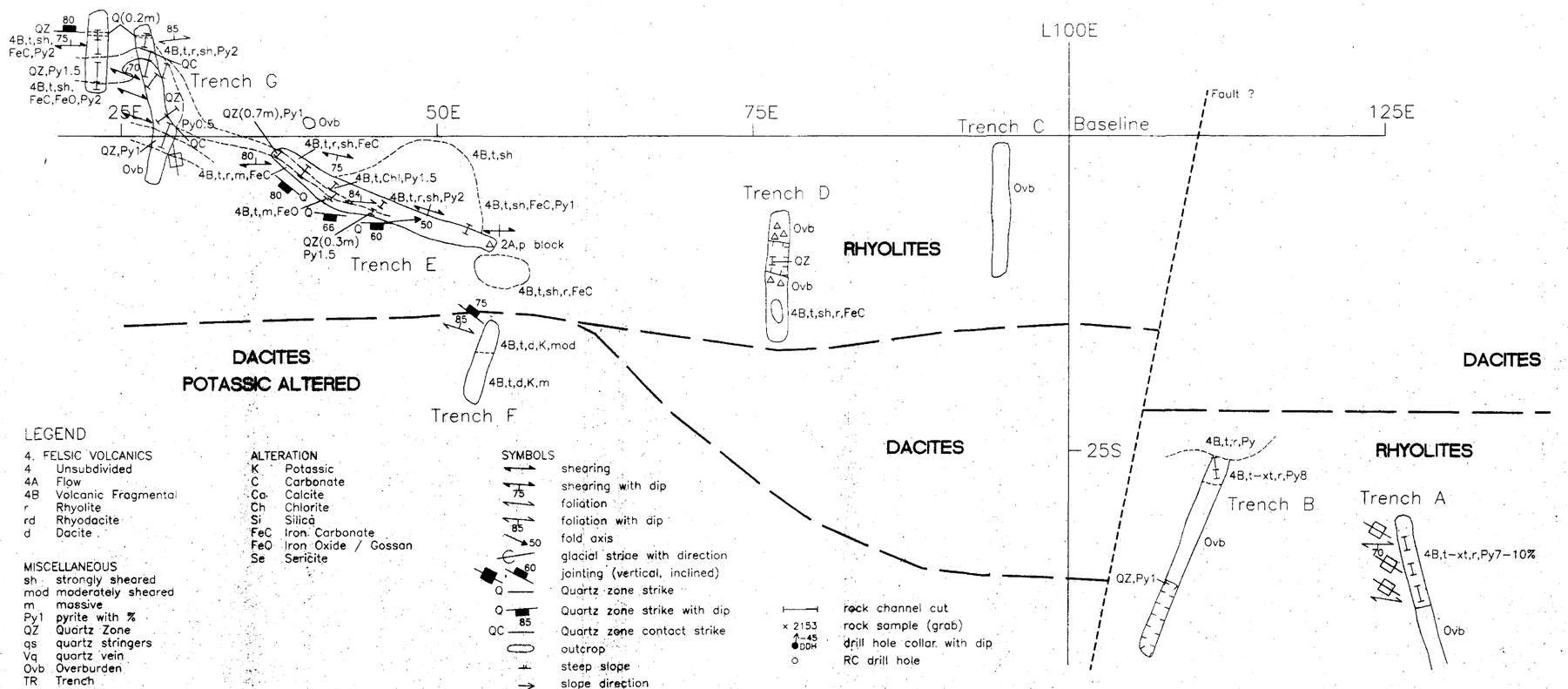
SILVER CENTURY EXPLORATIONS LTD.

OSSIAN GOLD MINE PROPERTY

WEST SHAFT TRENCHES GEOLOGY

W.A. HUBACHECK CONSULTANTS LTD.

TRACED: GMS!	NTS:
DRAWN: J. Kevin Montgomery	DRAWING: map3
PROJECT: 53	SCALE 1:250
DATE: October, 1998	0 2 4 6 8 10m



LEGEND

4. FELSIC VOLCANICS
- 4 Unsubdivided
- 4A Flow
- 4B Volcanic Fragmental
- r Rhyolite
- rd Rhyodacite
- d Dacite

MISCELLANEOUS
- sh strongly sheared
- mod moderately sheared
- m massive
- Py1 pyrite with %
- QZ Quartz Zone
- qs quartz stringers
- Vq quartz vein
- Ovb Overburden
- TR Trench
- t ash tuff
- xt crystal tuff

ALTERATION
- K Potassic
- C Carbonate
- Ca Calcite
- Ch Chlorite
- Si Silica
- FeC Iron Carbonate
- FeO Iron Oxide / Gossan
- Se Sericite

SYMBOLS
- shearing
- shearing with dip
- foliation
- foliation with dip
- fold axis
- glacial striae with direction
- jointing (vertical, inclined)
- Quartz zone strike
- Quartz zone strike with dip
- Quartz zone contact strike
- outcrop
- steep slope
- slope direction
- rock channel cut
- × 2153 rock sample (grab)
- 45 DDH drill hole collar with dip
- RC drill hole

2.18501

MAP 3E

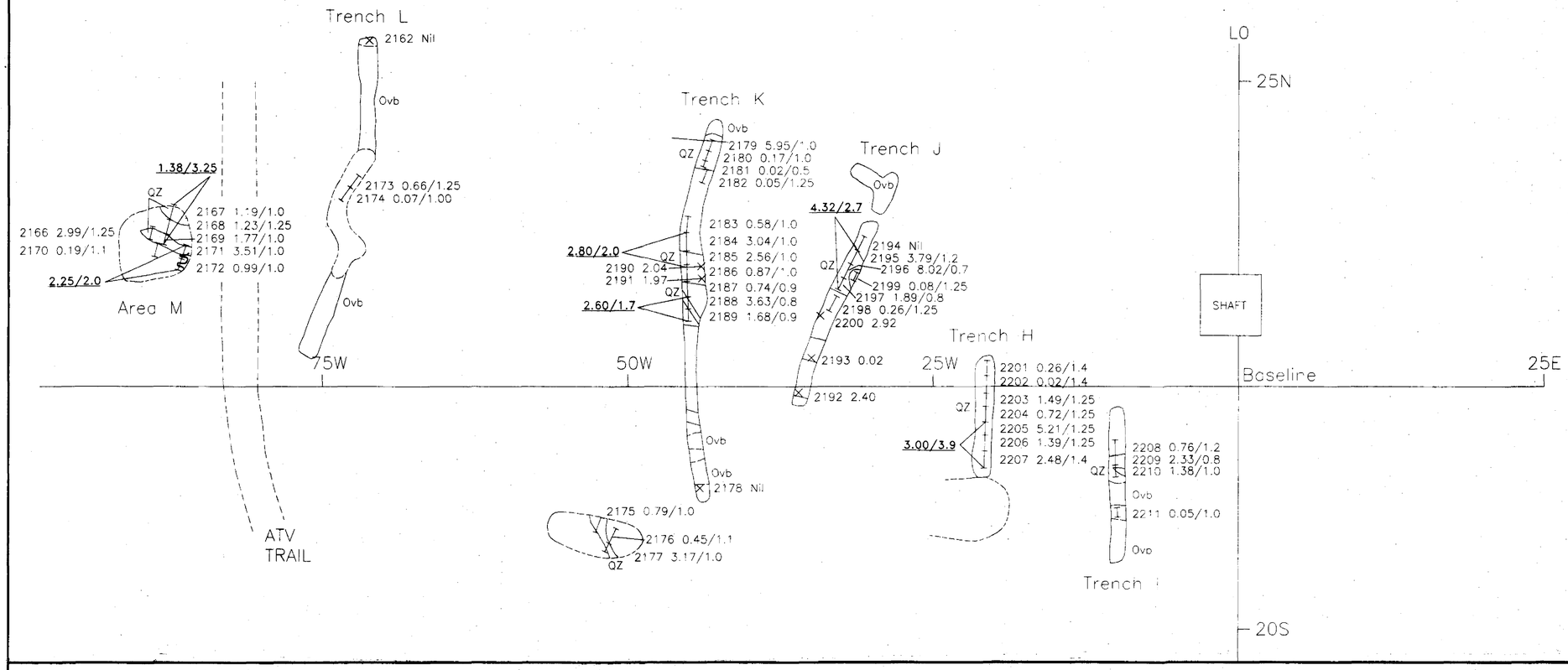
SILVER CENTURY EXPLORATIONS LTD.

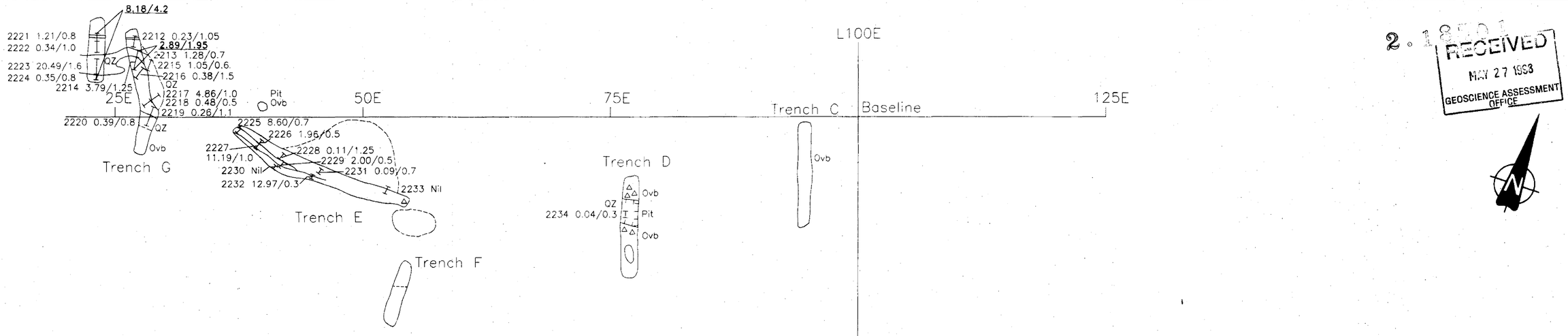
OSSIAN GOLD MINE PROPERTY

EAST SHAFT TRENCHES GEOLOGY

W.A. HUBACHECK CONSULTANTS LTD.

TRACED: GMS!	NTS:
DRAWN: J. Kevin Montgomery	DRAWING: map3
PROJECT: 53	SCALE 1:250
DATE: October, 1998	0 2 4 6 8 10m





LEGEND

QZ	Quartz Zone
X	Grab sample
H	Channel cut sample
2153	Sample number
2.58/1.0	Gold assay Au g/tonne over m
3.00/3.9	Composite gold assay Au g/tonne over m
Ovb	Overburden filled
	Trench outline
	Outcrop outline
	Geological contact

MAP 4W

SILVER CENTURY EXPLORATIONS LTD.

OSSIAN GOLD MINE PROPERTY

WEST SHAFT TRENCHES SAMPLING
GOLD RESULTS

W.A. HUBACHECK CONSULTANTS LTD.

TRACED: GMSI	NTS:
DRAWN: J. Kevin Montgomery	DRAWING: map4
PROJECT: 53	SCALE 1:250
DATE: October, 1998	0 2 4 6 8 10m

MAP 4E

SILVER CENTURY EXPLORATIONS LTD.

OSSIAN GOLD MINE PROPERTY

EAST SHAFT TRENCHES SAMPLING
GOLD RESULTS

W.A. HUBACHECK CONSULTANTS LTD.

TRACED: GMSI	NTS:
DRAWN: J. Kevin Montgomery	DRAWING: map4
PROJECT: 53	SCALE 1:250
DATE: October, 1998	0 2 4 6 8 10m