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REPORT

describing

GEOCHEMICAL ANALYSES

from the

094365

TRACK PROPERTY

Track 7-14 - YC13049-YC13056

NTS 116C/8

Latitude 64°23'N; Longitude 140°12'W

in the

Dawson Mining District
Yukon Territory

prepared by

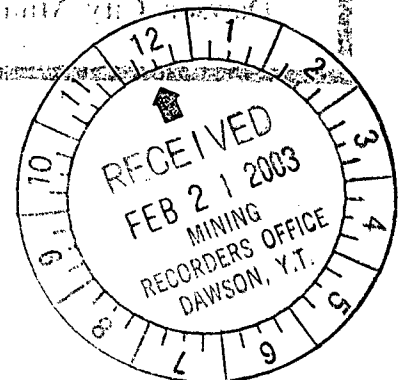
Archer, Cathro & Associates (1981) Limited

for

EUREKA JOINT VENTURE
Strategic Metals Ltd. - 50%
Expatriate Resources Ltd. - 50%

by

W.A. Wengzynowski, P.Eng.
January 2003



Work dates:
January-15 February 2003

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 4200.

M.B.H.
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

Costs associated with this report have been
approved in the amount of \$ 4,000
for assessment credit under Certificate of
Work No. 2000453

K. Perry

Mining Recorder
Dawson City Mining District

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INTRODUCTION

The Track property consists of eight mineral claims held by Eureka Joint Venture which is owned 50% by Strategic Metals Ltd. and 50% by Expatriate Resources Ltd. The claims were staked as part of a larger property in spring 1999 to cover a potential lode gold prospect in the central part of the Tintina Gold Belt, a loosely defined 2100 km long zone of gold and silver deposits extending across Alaska and Yukon. This belt is estimated to contain in excess of 80 million ounces of gold based on reported past production and current resource figures. The Track property is situated along the contact of a Mid Cretaceous stock that has intruded metasediments of the Yukon-Tanana Terrane developing a substantial hornfels and skarn aureole. Tungsten mineralization hosted by skarn was the target of previous exploration on earlier claims. One of these skarn zones (Poinjar Showing) is on the Track claims.

Work in 2003 consisted of geochemical analysis of soil samples collected from a grid on the property in 2000. The samples had been held in storage pending results from nearby samples. They were analyzed for gold and 34 other elements. Interpretation of results focusses on gold and tungsten but also includes beryllium in light of the Regal Ridge emerald discovery in the Finlayson District of southeastern Yukon. Prior to movement along the Tintina Fault, the rocks of the Track property were nearly adjacent to those hosting the emeralds.

The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

HISTORY

The area was first staked in 1979 by Noranda Exploration Company Limited which conducted several programs between 1979 and 1983. The first program following the initial staking (66 claims) consisted of reconnaissance prospecting plus geological mapping, linecutting, grid soil sampling and magnetometer surveys on two small grids. This work outlined two strong tungsten-in-soil anomalies (Poinjar and SDJ anomalies) associated with skarn and hornfels alteration developed along the intrusive-metasediment contact. Skarn float from the Poinjar Showing reportedly returned up to 4.5% tungsten oxide (Macdonald, 1980a).

In 1980 Noranda staked an additional 176 claims, bringing the total to 246. It conducted widely spaced grid soil sampling and pan sampling, which outlined intermittent copper, lead, zinc and molybdenum anomalies further along the intrusive-metasedimentary contact and within the body of the stock. Ground magnetometer and VLF surveys were conducted at the Poinjar Showing and the resulting anomalies were tested by 456 m of BQ diamond drilling in four holes. The drilling intersected significant skarn and hornfels zones, the best intercepts from which yielded up to 0.54% tungsten oxide and 0.55 g/t gold across 0.76 and 0.61 m, respectively (Macdonald, 1980b). Helicopter-borne magnetic and VLF-EM surveys were flown in October of that year.

Additional linecutting, detail mapping, prospecting, grid soil sampling and ground geophysical surveys were carried out in 1981. This was followed in 1982 with bulldozer trenching and diamond drilling (719 m in seven holes) to test the skarn mineralization at the Poinjar Showing immediately along strike from the previous drilling. Intercept reportedly returned up to 0.34%

tungsten oxide across 12.8 m, including an interval which yielded 1.14% across 1.83 m (Rogers, 1982). The 1983 program consisted of linecutting and hand trenching, plus a detailed ground magnetic survey which generated several small high amplitude magnetic anomalies in the vicinity of the Poinjar Showing.

In 1993 NDU Resources Ltd. conducted one day of prospecting at the SDJ and Poinjar Showings. A specimen of limonite boxwork taken near the Poinjar Showing returned 2.7 g/t gold, 1530 ppm bismuth and 1100 ppm tungsten. Two claims were staked but no further work was done.

Eureka Joint Venture staked 68 claims in early 1999 and explored later that year with prospecting and extensive silt sampling in creeks draining the property and elsewhere on the periphery of the Mt. Carmacks Pluton. Prospecting at the Poinjar Showing discovered quartz matrix supported limonite that yielded 3.59 g/t gold, 1.6 g/t silver, 1655 ppm bismuth, 56 ppm molybdenum and 810 ppm tungsten. A follow-up program of prospecting, mapping and soil sampling was done in 2000. The property was subsequently reduced to eight claims covering the Poinjar Showing.

PROPERTY, LOCATION AND ACCESS

The property is located in west-central Yukon, 7 km north of the Yukon River, at latitude 64°23'N and longitude 140°12'W on NTS map sheet 116C/8 (Figure 1). It consists of eight contiguous mineral claims (Figure 2) registered with the Dawson Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Eureka Joint Venture. Claim registration data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
Track 7-14	YC13049-YC13056	February 15, 2008

Access to the claims is possible using a Bell 206B Jet Ranger operated by Trans North Helicopters from its permanent base in Dawson City, 40 km southeast of the property. In 2000 the helicopter moved the crew and gear 14 km northeast from the nearest road at Cassiar Dome to the property. Cassiar Dome lies 66 km from Dawson City and is reached by the Top of the World Highway and Clinton Creek Road.

A winter access trail is shown on the Yukon Tote Trail map leaving the Klondike Highway near Bear Creek east of Dawson and paralleling the north side of the Yukon River to within about 6 km of the property. The condition of the route is unknown. A bulldozer trail also extends from the Yukon River up onto the property. This bulldozer was likely positioned from Dawson City by barge.

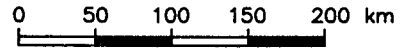
**STRATEGIC METALS LTD.
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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**LOCATION
TRACK PROPERTY**

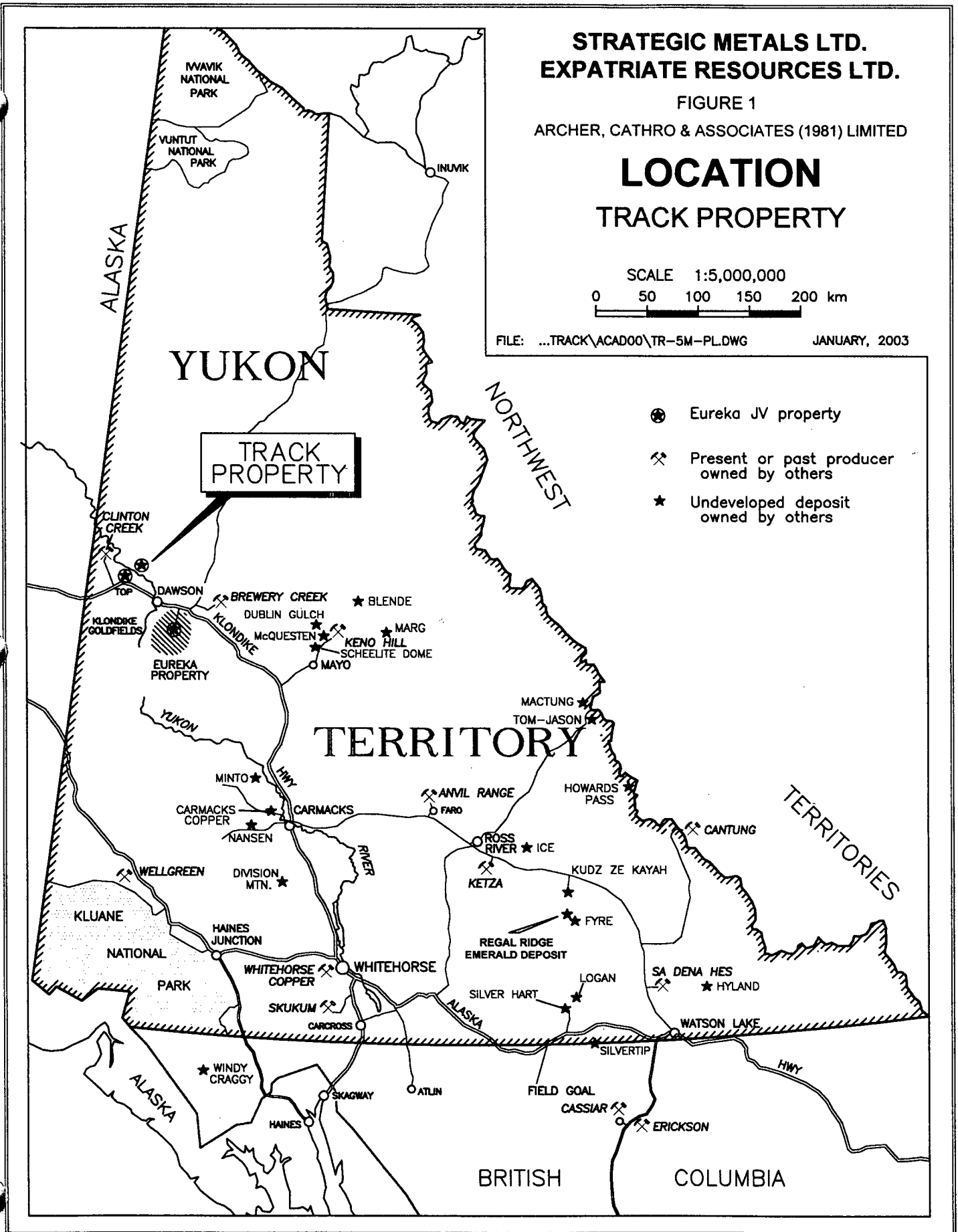
SCALE 1:5,000,000

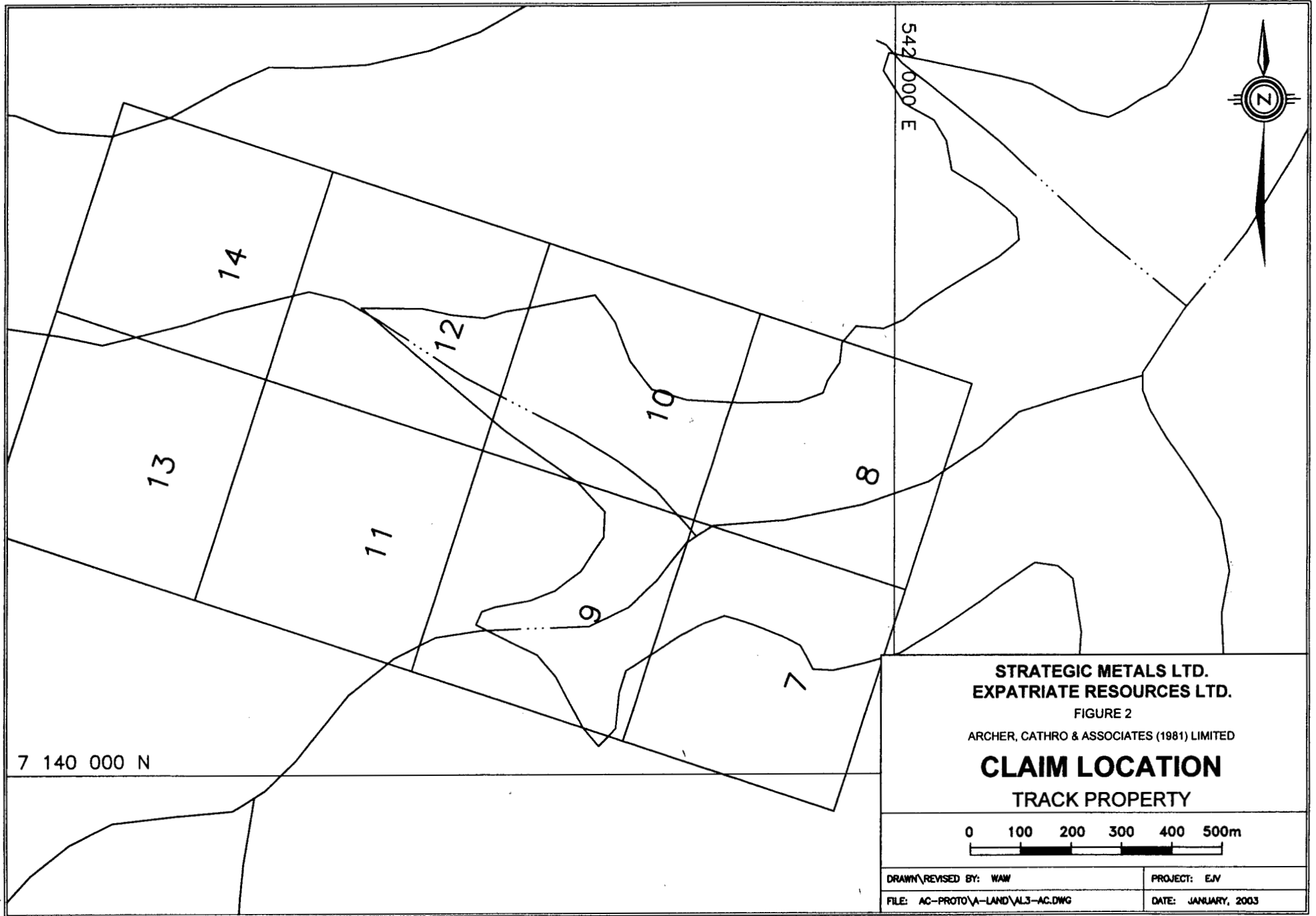


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JANUARY, 2003

- ⊗ Eureka JV property
- ⚡ Present or past producer owned by others
- ★ Undeveloped deposit owned by others





GEOMORPHOLOGY

Elevations in the vicinity of the property range from about 650 to 900 m. The area escaped Pleistocene glaciation and as a result the landscapes are mature with dendritic drainages forming radial fans off the flanks of upland domes. Creeks draining the area are tributaries of the Yukon River watershed.

North facing slopes are blanketed by moss and Labrador tea covering 5 to 100 cm of organic matter and silty soil. Permafrost is prevalent where the organic layer exceeds 50 cm thickness. Southern slopes generally exhibit silty soil with little to no organic material or permafrost.

Vegetation is characterized by mature poplar stands along creek valleys, giving way to stunted black spruce and willow then thick growths of buckbrush, willow and juniper atop the domes.

REGIONAL GEOLOGY

Geology in the Dawson district is dominated by the Tintina Fault, a major transcurrent structure with about 450 km of dextral offset since Mid Cretaceous times (Tempelman-Kluit, et al, 1976). Rocks on the north side of the fault are part of ancestral North America while those to the south are pericratonic rocks of the Yukon-Tanana Terrane (YTT). Prior to displacement the Yukon-Tanana rocks adjoined similar units of the Finlayson District in southeastern Yukon.

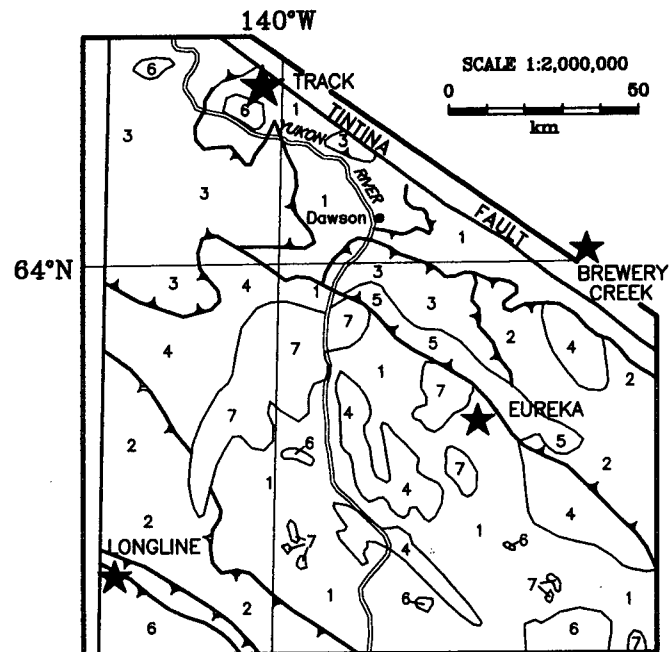
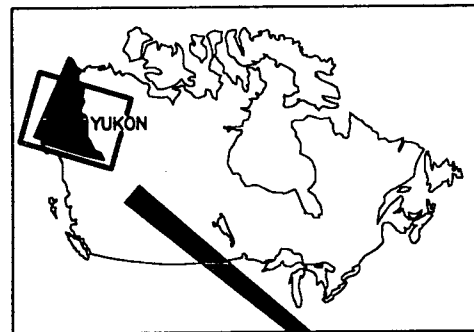
Metamorphic rocks are cut by a series of regional scale thrust faults and are intruded by Mid to Late Cretaceous granitic plutons. The intrusions postdate thrusts but predate movement along the Tintina Fault. Figure 3 illustrates the distribution of lithologies as interpreted through a variety of sources dating from 1935 to present.

Outcrop exposure is poor across most of the district and is generally confined to ridge crests and deeply incised drainages, making stratigraphic and structural correlation difficult. Most early mapping was done at reconnaissance scale without the aid of geochronology or plate tectonic theories (Bostock, 1942; Green and Roddick, 1972; Tempelman-Kluit, 1974). Recent, more detailed work by Mortensen (1990) suggests that the metamorphic rocks are part of YTT and can be subdivided into three stratigraphic packages (Assemblages 1, 2 and 3) and two plutonic units (Mt. Burnham Augen Orthogneiss and Sulphur Creek Orthogneiss) all of which are Paleozoic age. The stratigraphic assemblages have undergone four phases of deformation.





Stratigraphic Units

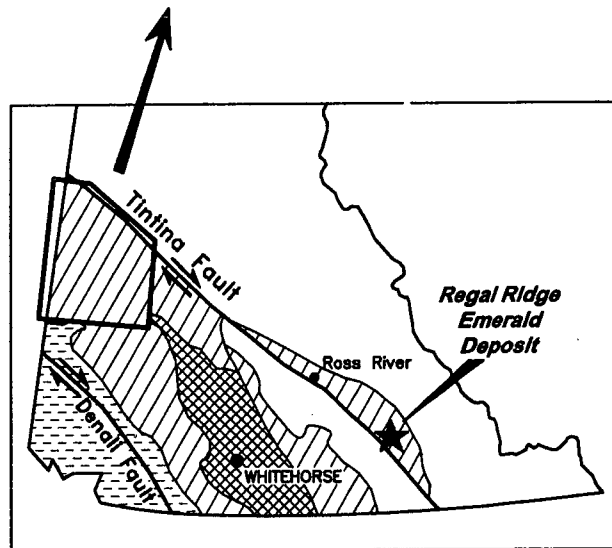
Assemblage 1 consists of variably deformed and sheared phyllite and quartzite. These rocks are generally medium to dark grey and sometimes contain thinly interbedded carbonaceous siltstone, fine sandstone and rare marble. Although not dated, these rocks are believed to be Early Paleozoic in age.

Assemblage 2 is largely comprised of Devonian-Mississippian quartzite, chloritic schist and amphibolite. Quartzite is generally pale coloured and contains variable quantities of mica and feldspar. Discontinuous lenses of marble and calcareous quartz-muscovite-biotite schist are noted in some areas. This assemblage most resembles the host rocks at the Regal Ridge emerald deposit.



- 7 Late Cretaceous volcanic and sedimentary rocks
- 6 Mid- or Late Cretaceous plutonic rocks
- Yukon-Tanana Terrane metaplutonic rocks
- 5 Permian orthogneiss
- 4 Devono-Mississippian augen orthogneiss
- Yukon-Tanana Terrane Paleozoic metasedimentary and metavolcanic rocks
- 3 Assemblage 3
- 2 Assemblage 2
- 1 Assemblage 1

-  Coastal and Insular Belts
-  Intermontane Belt
-  Yukon-Tanana Terrane and Slide Mountain Terrane
-  Ancestral North America including Cassiar Terrane



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FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
TRACK PROPERTY

FILE: ..TRACK\ACAD00\TR-REG3.DWG DATE: JANUARY, 2003

Assemblage 3 consists of mafic to intermediate schist plus quartzite and lesser felsic schist. Accessory minerals observed within schist units include quartz and feldspar augen, actinolite and chlorite. Muscovite is often observed along foliation planes within the quartzite unit. These rocks have returned Permian age dates.

Metaplutonic Rocks

Mt. Burnham Augen Orthogneiss is granitic in composition and consists mainly of subhedral to strongly flattened and broken potassium feldspar. The matrix is comprised of sucrosic quartz, biotite, muscovite and feldspar. This unit is assigned a Devono-Mississippian age.

Sulphur Creek Orthogneiss is a pink weathering unit that has only been recognized in the vicinity of Sulphur Creek. It has a quartz monzonite composition and has been dated as Permian.

Mid to Late Cretaceous Igneous Units

Mid Cretaceous stocks and related dykes are comprised of quartz, feldspar, muscovite, biotite and sometimes hornblende. Diabase and olivine gabbro lenses and plugs are also documented but are rare. The Mt. Carmacks Pluton, which is partially covered by the Track claims, is one of the largest intrusions in the district. It belongs to the Anvil Suite which is the group of intrusions associated with emerald and tungsten mineralization in the Finlayson District.

Volcanic flows and feeder dykes are predominantly andesitic in composition and are mapped as overlying Assemblage 1, Mt. Burnham Augen Orthogneiss and the continental sedimentary rocks about 40 km south of the property. The relationship between the Mid Cretaceous stocks and the volcanic flows is not known.

Structure

As previously mentioned, the Tintina Fault and a series of unnamed thrust faults are the dominant structural feature in the vicinity of the Track property. The Tintina Fault lies 5 km northeast of the property. Smaller, high angle faults are developed adjacent to some Cretaceous intrusions and are major controls for many drainages. Displacements on these structures are unknown but appear to be minor. Many trend northeasterly and are likely extensional structures related to the strike-slip movement on the Tintina Fault.

Four phases of deformation are observed in layered rocks of the YTT within the Dawson district. The deformation is thought to have occurred from Mid Permian to Cretaceous during and following accretion of YTT to North America. Phase I involved Mid Permian regional scale metamorphism which resulted in penetrative foliation approximately parallel to original bedding. This fabric trends roughly northwest and dips gently to the northeast. Small scale isoclinal folds were also developed at this time. The Phase II event occurred between Mid Permian and Late Triassic and formed close spaced crenulation cleavage. At least three different sub-phases of crenulation cleavage are observed. The latest may be associated with the development of thrust faults which are constrained to the period between Late Triassic and Early Jurassic. The onset of this faulting is also coincident with the emplacement of serpentinite bodies along the faults and small scale isoclinal folding, link banding and warping. The final phase of deformation is coeval

with the emplacement of Cretaceous intrusive bodies which resulted in broad low amplitude folding that masks and overprints the Phase I foliation.

PROPERTY GEOLOGY

No detailed mapping was performed on the claim block by Eureka Joint Venture. Thus, the geology map presented on Figure 4 is largely based on previous detail mapping by Noranda (Grapes, 1981).

Seven rock types are documented on the property as described below. The first five rock types are stratigraphic units belonging to Assemblage 1 while the others are intrusive units.

Stratigraphic Units

Biotite-muscovite-chlorite-quartz schist is brown to pale green-grey and thinly foliated. Differential weathering is common due to varying quartz content and specimens are non- to moderately calcareous.

Graphite schist is dark grey to black, friable and recessive weathering. Some outcrops contain foliaform metamorphic quartz and calcite veins.

Marble is grey, massive to moderately foliated, coarsely crystalline and buff weathering. It occurs as narrow bands up to 3 m thick within the schist units described above.

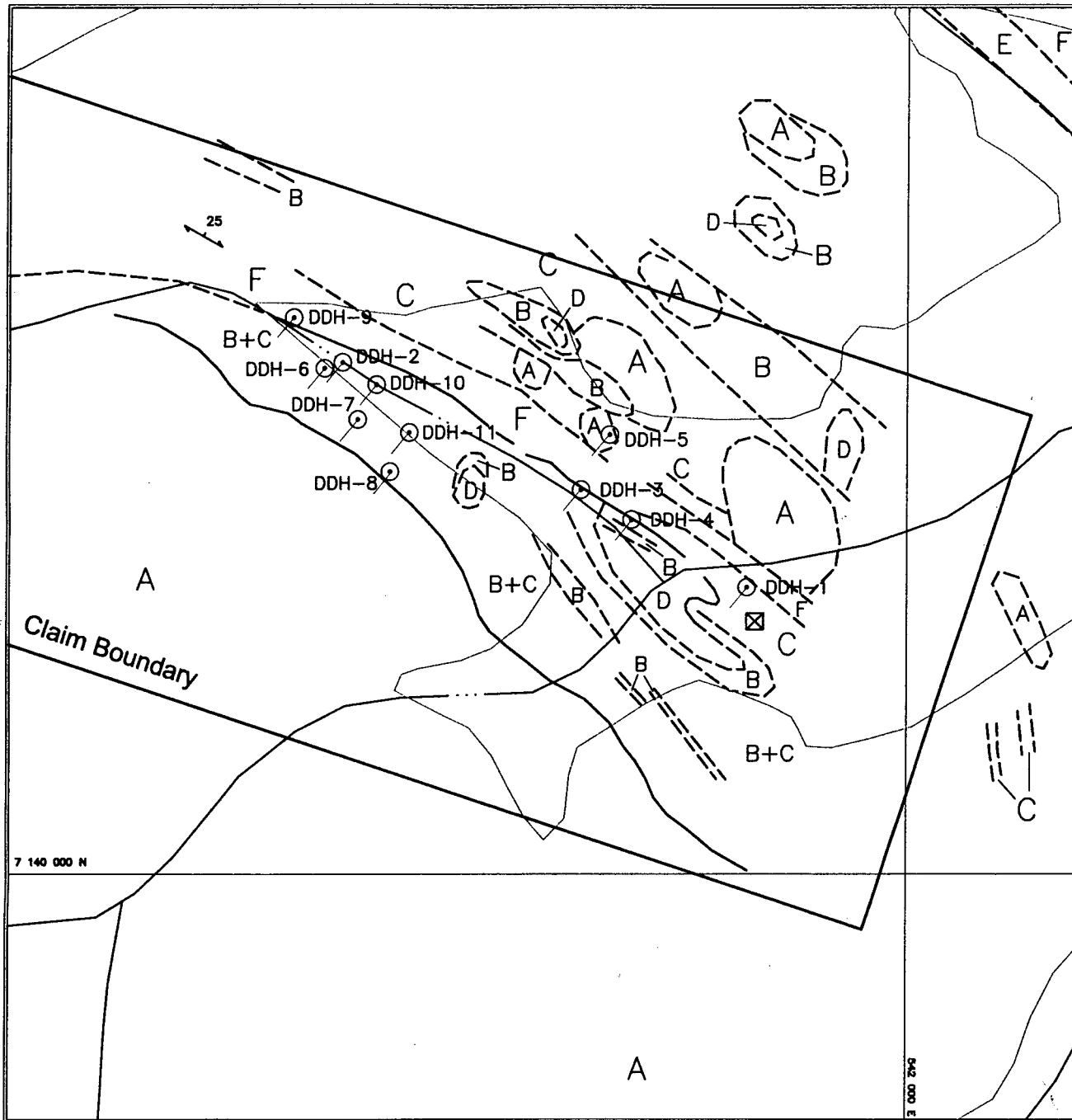
Hornfels is rusty weathering and generally strongly fractured. Quartz veins have been noted by previous mappers and are developed parallel to foliation. These rocks are developed in close proximity to the stock and are interbanded with schists, marble and skarn.

Skarn can be subdivided into three types: banded skarn, diopside skarn and garnet-diopside skarn. Designation of the three types is mostly subjective and it should be noted that most contacts are gradational. These rocks are rusty weathering and dark green or brown on fresh surfaces. Sulphide blebs and disseminations are common in this unit.

Igneous Units

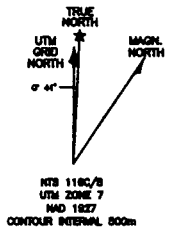
Granodiorite forms a 7 km diameter stock (Mt. Carmacks Pluton), the northern edge of which parallels the southwestern claim boundary. It is tan to grey, coarsely crystalline and weakly to moderately foliated. The foliation is likely concentric and is related to emplacement of the intrusion. The main body consists of coarse grained quartz, biotite, feldspar and hornblende. The margin of the intrusion is finer grained and exhibits a higher degree of foliation and alteration which includes epidote, talc and clay minerals on the selvages of veinlets. Uranium-lead modelling from zircon analyses returned an age of 112 Ma (Mortensen, et al, 2000).

Diorite and rhyolite occur in porphyry dykes and sills that cut both the granodiorite and stratigraphic units. These bodies may be a late magmatic phase of the intrusion or sub-volcanic feeders to Late Cretaceous or Tertiary volcanic flows.

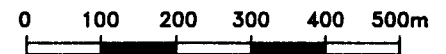


- | | |
|---|--|
| A | granodiorite |
| B | skarn |
| C | hornfels |
| D | marble |
| E | graphite schist |
| F | biotite-muscovite-chlorite-quartz schist |

- | | |
|------------|---|
| | geological contact,
known and inferred |
| S | foliation orientation |
| ⊗ | Noranda camp |
| DDH-8
⊙ | Noranda drill hole |



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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
TRACK PROPERTY



DRAWN/REVISED BY: WAW	PROJECT: EJV
FILE: AC-PROTO\A-LAND\AL3-AC.DWG	DATE: JANUARY, 2003

PROPERTY GEOCHEMISTRY AND MINERALIZATION

Two hundred and seventeen soil samples were collected from a 1200 by 800 m grid established in the central part of the Poinjar Showing. One hundred and forty-nine of these samples were analyzed in 2000 and the remainder were done in 2003. The baseline is heavily flagged and oriented along an old overgrown cut line established at 120° by previous operators. Stations are marked at 50 m intervals with 1 m lath bearing aluminum tags inscribed with grid coordinates. Soil sample lines are oriented perpendicular to the baseline and samples were taken at 50 m intervals on lines spaced 50 m apart. Sample sites are indicated by 0.5 m lath bearing aluminum tags inscribed with grid coordinates and sample numbers.

Geochemistry

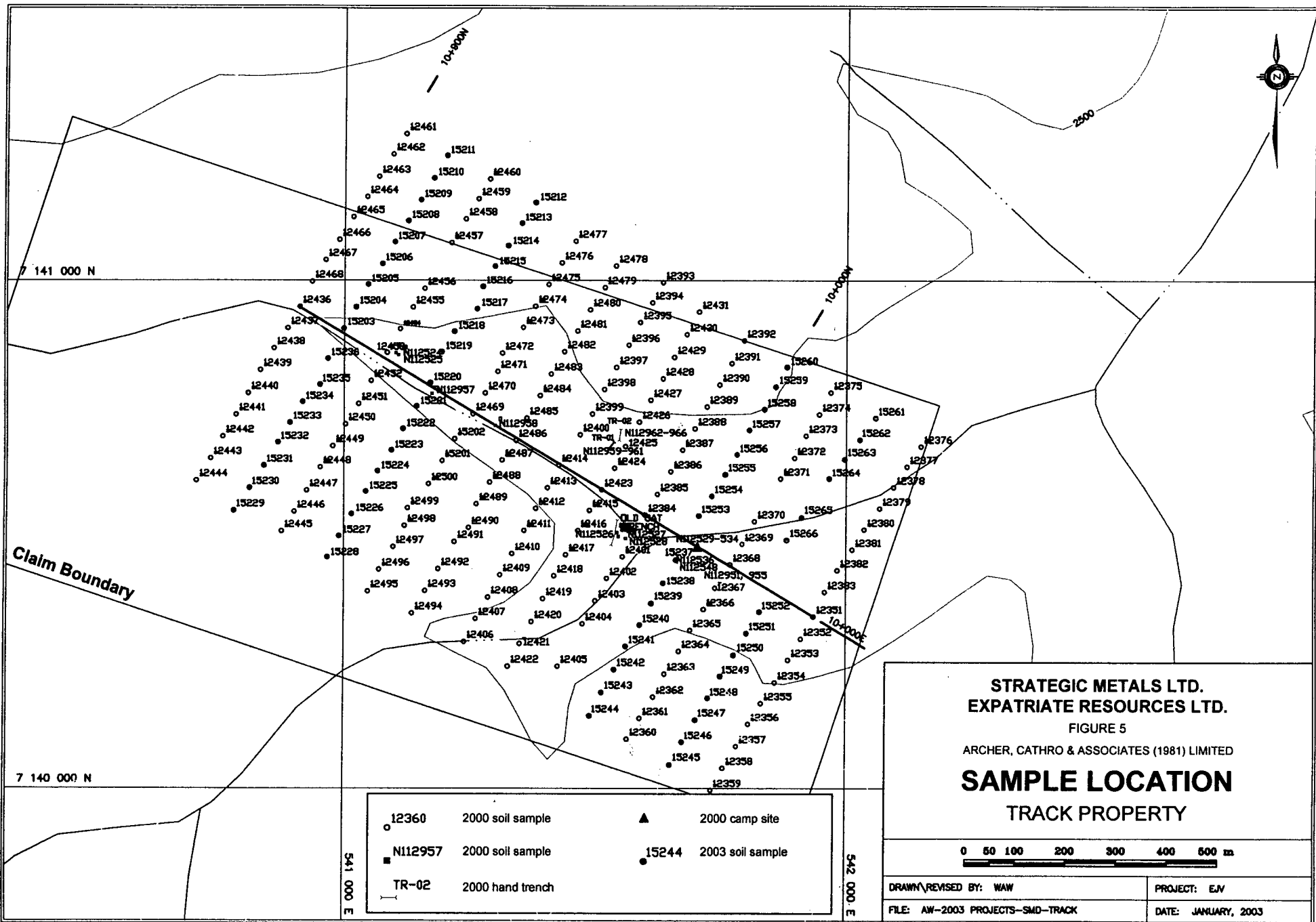
All of the samples were sent to ALS Chemex Labs Ltd. of North Vancouver where they were dried and sieved to -80 mesh, dissolved in nitric-aqua regia leach and geochemically analyzed for 34 elements using the Induced Coupled Plasma (ICP) technique. Samples were also analyzed for gold using fire assay and atomic absorption finish. The 2003 analyses also included specific tungsten values which were obtained using a complete multi-acid digestion coupled with Atomic Absorption Spectroscopy (AAS). Sample locations are shown on Figure 5 while results for gold, bismuth, tungsten and beryllium are illustrated on Figures 6 through 9, respectively. Certificates of Analysis for the 2003 analyses are contained in Appendix II.

Gold, bismuth, tungsten and beryllium values are well correlated with the highest values clustered together in a 150 by 100 m area in the vicinity of an old cat trench and diamond drill holes DDH-3 and -4. This cluster is located near the eastern end of a 650 by 150 m west-northwest trending band of weakly to moderately anomalous values underlain by skarn and hornfels developed along the intrusive-metasediment contact. Peak values are 55 ppb gold, 130 ppm bismuth, 120 ppm tungsten and 9 ppm beryllium. The tungsten and beryllium values were obtained by standard ICP processes which often results in incomplete digestion of scheelite and beryl. Comparison of ICP to total digestion AAS tungsten results obtained in 2003 showed very similar values, suggesting that incomplete digestion may not be a problem on soils from this property.

Mineralization

Three types of mineralization have been recognized at the Poinjar Showing: sulphide bearing quartz vein float, limonite boxwork and sulphide bearing skarn material.

Quartz vein float is the most abundant type of mineralization seen on the property. Specimens range from 1 to 20 cm in width. Colour varies from clear and transparent to white and opaque while textures are aphanitic to sucrosic. Many specimens are highly strained and exhibit a dominant fracture direction parallel to the length of the vein. Small orange and black pits are commonly scattered throughout the quartz. The orange pits are probably weathered sulphide or carbonate while the black is likely manganese. Specimens returned only slightly above background gold values.



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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

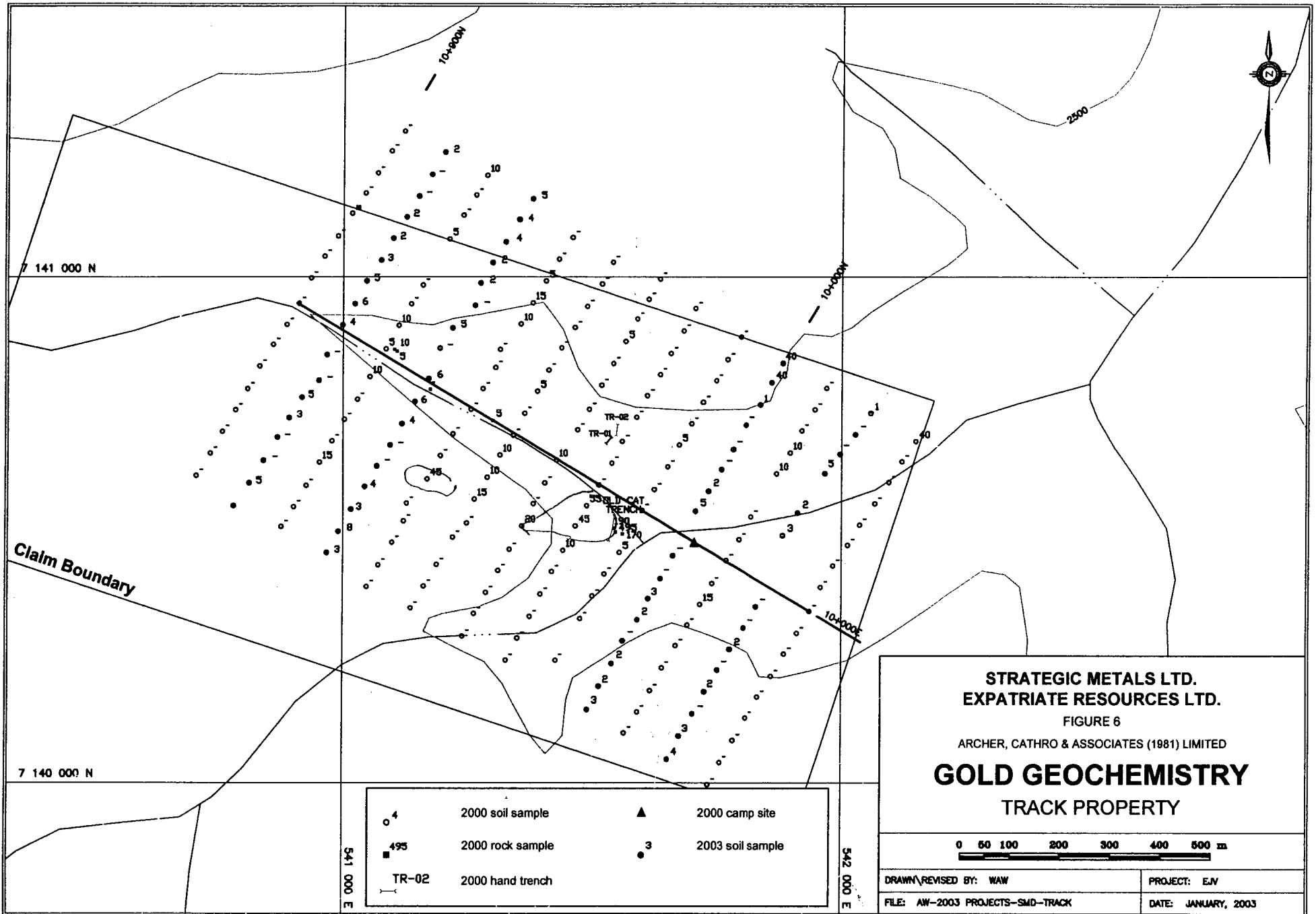
**SAMPLE LOCATION
TRACK PROPERTY**



○ 12360	2000 soil sample	▲	2000 camp site
■ NI12957	2000 soil sample	● 15244	2003 soil sample
— TR-02	2000 hand trench		

DRAWN/REVISED BY: WAW
FILE: AW-2003 PROJECTS-SMD-TRACK

PROJECT: EJV
DATE: JANUARY, 2003



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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**GOLD GEOCHEMISTRY
TRACK PROPERTY**

0 50 100 200 300 400 500 m

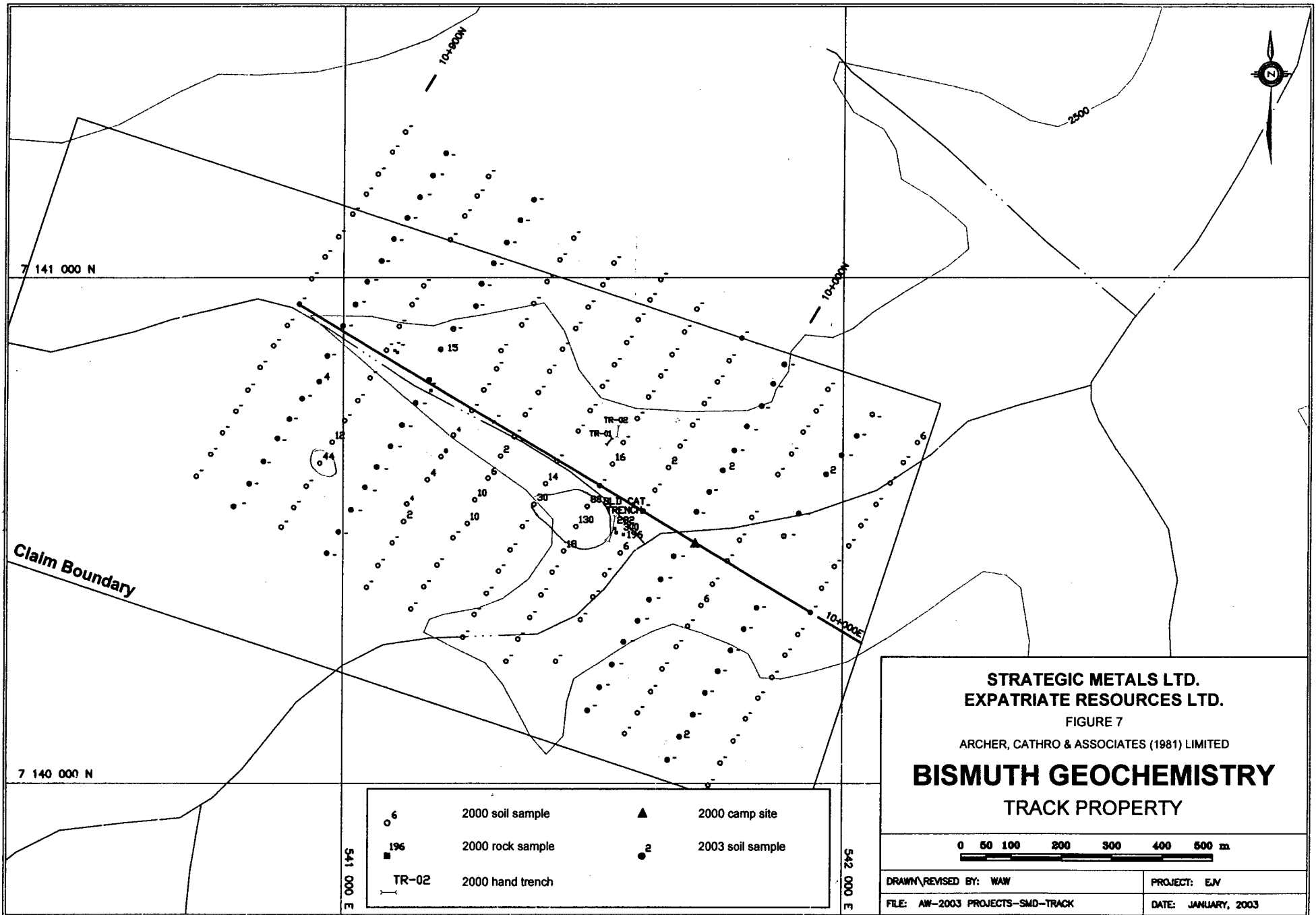
DRAWN/REVISED BY: WAW

PROJECT: EJV

FILE: AW-2003 PROJECTS-SMD-TRACK

DATE: JANUARY, 2003

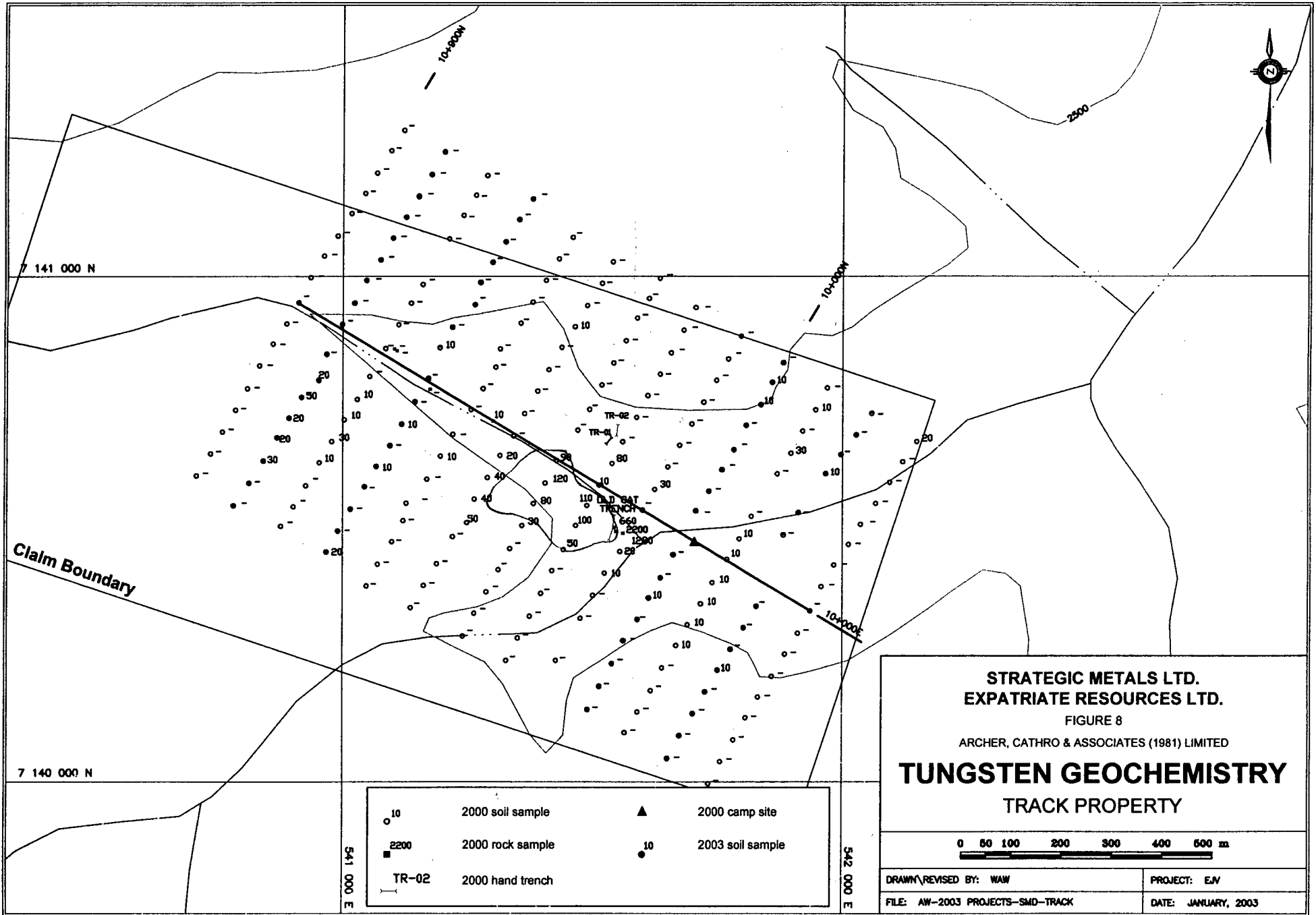
○ 4	2000 soil sample	▲	2000 camp site
■ 495	2000 rock sample	● 3	2003 soil sample
— TR-02	2000 hand trench		



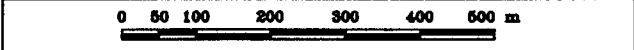
STRATEGIC METALS LTD.
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 FIGURE 7
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BISMUTH GEOCHEMISTRY
TRACK PROPERTY

0 50 100 200 300 400 500 m	
DRAWN/REVISED BY: WAW	PROJECT: EJV
FILE: AW-2003 PROJECTS-SMD-TRACK	DATE: JANUARY, 2003

○ 6	2000 soil sample	▲	2000 camp site
■ 196	2000 rock sample	● 2	2003 soil sample
— TR-02	2000 hand trench		

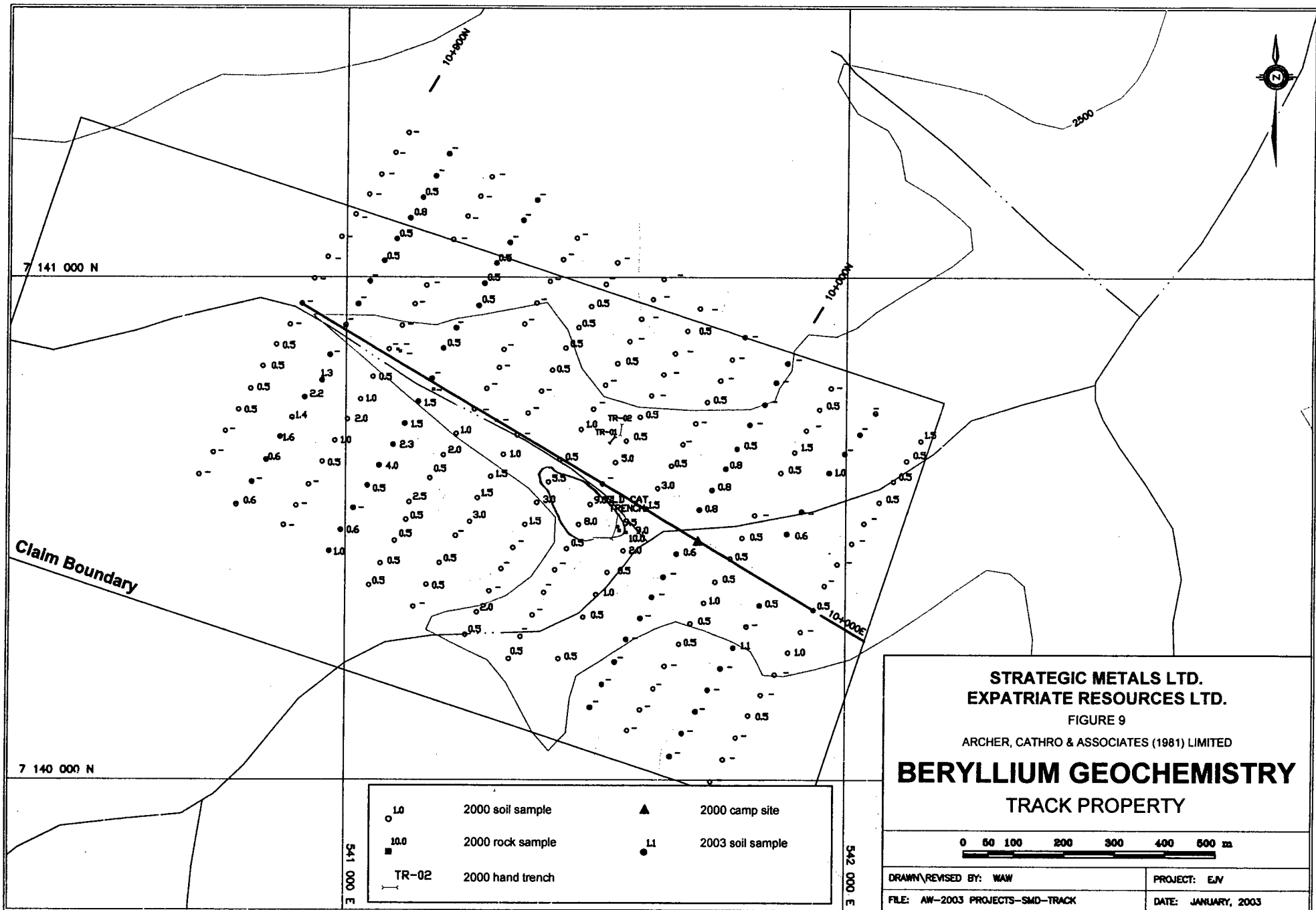


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 FIGURE 8
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TUNGSTEN GEOCHEMISTRY
TRACK PROPERTY



○ 10	2000 soil sample	▲	2000 camp site
■ 2200	2000 rock sample	● 10	2003 soil sample
— TR-02	2000 hand trench		

DRAWN/REVISED BY: WAW	PROJECT: EJV
FILE: AW-2003 PROJECTS-SMD-TRACK	DATE: JANUARY, 2003



**STRATEGIC METALS LTD.
EXPATRIATE RESOURCES LTD.**

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**BERYLLIUM GEOCHEMISTRY
TRACK PROPERTY**



DRAWN/REVISED BY: WAW	PROJECT: E/V
FILE: AW-2003 PROJECTS-SMD-TRACK	DATE: JANUARY, 2003

○ 1.0	2000 soil sample	▲	2000 camp site
■ 10.0	2000 rock sample	● 1.1	2003 soil sample
— TR-02	2000 hand trench		

Areas where limonite boxwork was discovered in two bulldozer trenches on either side of Poinjar Creek in 1999 were re-examined in 2000. Additional samples were collected from the south side of the creek where yellow-brown manganese stained limonite returned 3.59 g/t gold, 1.6 g/t silver, 1655 ppm bismuth, 56 ppm molybdenum, 810 ppm tungsten and 21 ppm beryllium. The best limonite rich sample collected in 2000 yielded 495 ppb gold, 300 ppm bismuth, 90 ppm molybdenum, 2220 ppm tungsten and 9 ppm beryllium.

Skarn mineralization is rusty weathering and dark green to brown on fresh surfaces. The most common sulphides present in order of decreasing abundance are pyrrhotite, pyrite, sphalerite and chalcopyrite. All sulphides occur as disseminations and irregular blebs. The matrix consists dominantly of diopside, garnet and actinolite. Some specimens also contain a stockwork of milky quartz veinlets.

Core from four of the Noranda drill holes left on the property (DDH-8 to DDH-11) was thoroughly examined in 2000. Previously split pyrite and pyrrhotite bearing skarn intervals were quartered and reanalyzed. The best interval returned 40 ppb gold, 32 ppm bismuth, 190 ppm molybdenum and 4820 ppm tungsten. Quartz vein stockwork with disseminated pyrite, minor chalcopyrite and narrow chlorite-epidote alteration selvages were observed in sections of the granodiorite near the bottom of the holes. Samples of this material yielded low gold values.

Two hand trenches were excavated in 2000 on the north side of Poinjar Creek. TR-01 was located near drill collar DDH-05 and encountered a strongly weathered foliaform skarn horizon (2.3 m thick) with remnant garnet and boxwork limonite. Two continuous chip samples returned a weighted average 0.41 g/t gold, 459 ppm bismuth, 3170 ppm tungsten and 30 ppm beryllium.

TR-02 is located in an old bulldozer trench 30 m upslope from TR-01. It encountered weakly skarnified metasediments and rusty weathering andesite dyke or sill material. Chip samples returned only weakly elevated values for tungsten and beryllium.

No beryllium minerals have been positively identified in rocks from the Track property. However, a 2 mm prismatic blue mineral in one skarn sample may have been aquamarine.

CONCLUSION AND RECOMMENDATION

The Track property covers part of a thermal aureole surrounding a Mid Cretaceous intrusion cutting Yukon-Tanana Terrane metasediments. It is favourably located in the central part of the Tintina Gold Belt. It is also located within the fault offset of the Finlayson District, which hosts emerald and tungsten prospects.

Exploration to date has identified tungsten bearing skarn horizons but grid soil sampling and diamond drilling has produced only marginally interesting gold values. Work on gold prospects elsewhere in the Tintina Gold Belt has shown that although tungsten and bismuth are excellent gold indicators, the gold deposits are often spatially distinct from the tungsten mineralization.

The high beryllium background indicates that fluids relating to the intrusions have potential to form emerald or other forms of beryl. The recent emerald discovery at Regal Ridge occurs about one-half kilometre outside the granitic stock in altered chlorite schist alongside tourmaline bearing quartz veins (Groat, et al, 2002). The closest analogy to these host rocks at Track is

likely the biotite-muscovite-chlorite-quartz schists. No tourmaline is reported in quartz veins at Track but prismatic crystals up to 4 mm have been noted in felsic granitic drill core. Emeralds have also been reported at the Lened property in southwestern NWT, where they are found within a tungsten skarn. This environment is well documented at Track and may offer the greatest potential. Unfortunately any search for emerald at Track will be hampered by poor exposure and will likely require trenching.

Although no potentially economic zones of mineralization have yet been discovered on the Track property, the geological setting remains prospective. Future work should focus on the cluster of peak geochemical values near the old cat trench. Skarn exposures there and north of the creek should be carefully prospected for emerald. Core from holes DDH-3 and -4 should also re-examined for indicators of emerald such as quartz veins and tourmaline. Additional reconnaissance exploration should be done elsewhere around the stock looking for gold zones or emerald.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



W.A. Wengzynowski, P. Eng.

REFERENCES

- Bostock, H.S.
1942 Map 711A, Ogilvie, Yukon Territory, Department of Mines and Resources, Mines and Geology Branch, Bureau of Geology and Topography.
- Grapes, K.
1981 Combined Geological, Geochemical and Geophysical Assessment Report on Road 1-4, Rail 1-214 and Track 1-28 Mineral Claims, AR 090928, Noranda Exploration Company Limited.
- Green, L.H. and Roddick, J.A.
1972 Geology of Nash Creek, Larsen Creek, and Dawson Map-Areas, Yukon Territory (106D, 116A, 116B, and 116C, Memoir 364 {E-1/2}), Geological Survey of Canada, Department of Energy, Mines and Resources Canada.
- Groat, L.A., Marshall, D.D., Giuliani, G., Murphy, D.C., Piercy, S.J., Jambor, J.L., Mortensen, J.K., Ercit, T.S., Gault, R.A., Matthey, D.P., Schwarz, D., Maluski, H., Wise, M.A., Wengzynowski, W., and Eaton, W.D.
2002 Mineralogical and Geochemical Study of the Regal Ridge Emerald Showing, Southeastern Yukon, *The Canadian Mineralogist*, Vol. 40, pp. 1313-1338.
- Macdonald, G.
1980a Combined Geological, Geochemical and Geophysical Assessment Report on Road 1-4 and Rail 1-62 Mineral Claims, AR 090637, Noranda Exploration Company Limited.
- 1980b Diamond Drilling Assessment Report on the Rail Mineral Claims, AR 090660, Noranda Exploration Company Limited.
- Mortensen, J.K.
1990 Geology and U-Pb geochronology of the Klondike District, west-central Yukon Territory.
- Mortensen, J.K., Hart, C.J.R., Murphy, D.C. and Hefferan, S.
2000 Temporal Evolution of Early and Mid-Cretaceous Magmatism in the Tintina Gold Belt, *The Tintina Gold Belt: Concepts, Exploration and Discoveries, Special Volume 2, British Columbia and Yukon Chamber of Mines, Cordilleran Roundup, January 2000.*
- Rogers, R.S.
1982 Diamond Drilling Assessment Report, Rail 1 and 2 Claims, AR 091413, Noranda Exploration Company Limited.

Tempelman-Kluit, D.J.

1974

Reconnaissance Geology of Aishihik Lake, Snag and Part of Stewart River
Map-Areas, West Central Yukon (115H, 115J&K, 115N&O),
Geological Survey of Canada, Paper 73-41, Department of Energy, Mines
and Resources.

Tempelman-Kluit, D.J., Gordey, S.P. and Read, B.C.

1976

Stratigraphic and Structural Studies in the Pelly Mountains, Yukon
Territory; Geological Survey of Canada, Paper 76-1A, pp. 97-106.

APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
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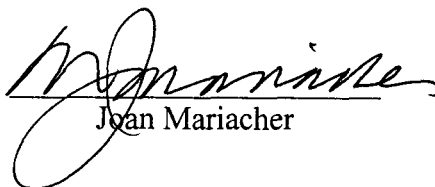
Telephone: 604-688-2568

Fax: 604-688-2578

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the *TRACK 7-14*
mineral claims on Claim Sheet *116C/8* is accurate.

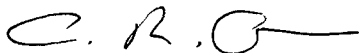

Joan Mariacher

094365

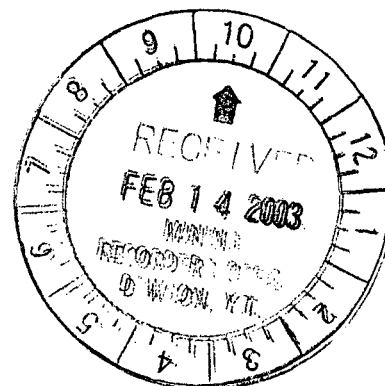
Sworn before me at Vancouver, B.C.

this 12TH day of

FEBRUARY, 2003



Notary Public, Yukon Territory



Statement of Expenditures
Track 7 - 14 Mineral Claims
February 12, 2003

Labour

D. Eaton - geologist - 24 hours January at \$60/hr	\$1,540.80
B. Wengzynowski - geologist 14 hours February at \$60/hr	898.80
J. Mariacher 14 ½ hours January to February at \$44.45/hr	<u>689.64</u>
	3,129.24

Expenses

ALS Chemex labs	1,352.48
Greyhound Courier	<u>42.89</u>
	1,395.37
	<u>\$4,524.61</u>



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INVOICE NUMBER: 1012202

BILLING INFORMATION	
Certificate:	VA03000591
Account:	RDF
Date :	31-Jan-2003
Project :	Track
P.O. No.:	
Quote:	
Terms:	Due on Receipt C0
Comments:	

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
1	BAT-01	Administration Fee	22.50	22.50
64	ME-ICP41	34 Element Aqua Regia ICP-AES	3.30	211.20
64	GEO-AR01	Aqua regia digestion	1.50	96.00
64	Au-ICP21	Au 30g FA ICP-AES Finish	8.10	518.40
63	ME-XRF05	Trace Level XRF Analysis	4.50	283.50
64	PREP-41	Dry, Sieve (180 um) Soil	1.88	120.32
16.10	PREP-41	Wt. Charge (kg) - Dry, Sieve (180 um) Soil	0.75	12.08

SUBTOTAL \$ 1,264.00

GST R100938885 \$ 88.48

TOTAL PAYABLE (CAD) \$ 1,352.48

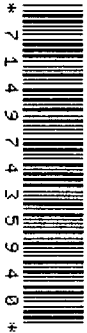
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DECLARED VALUE NDV

PREPAID CHARGE

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PIN

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STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.A.Sc in Geological Engineering, Option 1, mineral and fuel exploration.
2. I became a Professional Engineer on December 12, 1998 registered in the Province of British Columbia.
3. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in and supervised the fieldwork reported herein.


W.A. Wengzynowski, P. Eng.

APPENDIX II
CERTIFICATES OF ANALYSIS



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Page # : 1
: 31-Jan-2003
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CERTIFICATE VA03000591

Project : Track
 P.O. No:
 This report is for 64 SOIL samples submitted to our lab in North Vancouver, BC, Canada on 14-Jan-2003.
 The following have access to data associated with this certificate:

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
FND-01	Find Sample For Re-Shipment
SCR-41+	Screen to -180um (+) fraction

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-XRF05	Trace Level XRF Analysis	XRF

To: **EUREKA JOINT VENTURE**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



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Page #: 2 - A

Total # of pages : 3 (A - C)

Date : 31-Jan-2003

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Project : Track

CERTIFICATE OF ANALYSIS

VA03000591

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
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Page #: 3 - A

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Date : 31-Jan-2003

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CERTIFICATE OF ANALYSIS

VA03000591

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
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R15264		0.20	0.005	<0.2	1.58	8	<10	200	1.0	2	0.63	0.6	12	41	40	3.26
R15265		0.18	0.002	<0.2	1.53	6	<10	200	<0.5	<2	0.60	<0.5	11	39	19	2.69
R15266		0.40	0.003	<0.2	2.98	2	<10	220	0.6	<2	0.99	0.9	22	71	44	5.41



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
R15203		10	<1	0.04	10	0.42	453	2	0.01	21	400	20	0.01	<2	4	21
R15204		10	<1	0.04	10	0.34	690	1	0.01	21	410	8	0.01	<2	3	18
R15205		10	<1	0.03	10	0.39	660	1	0.01	27	440	5	<0.01	<2	5	23
R15206		10	<1	0.04	10	0.36	821	1	0.01	27	460	7	0.01	<2	5	28
R15207		10	1	0.04	10	0.39	362	1	0.01	28	340	11	0.01	<2	4	30
R15208		10	<1	0.07	20	0.71	980	1	0.02	53	580	28	0.01	<2	7	40
R15209		10	<1	0.05	10	0.37	486	1	0.01	29	270	9	<0.01	<2	4	11
R15210		10	<1	0.05	10	0.38	336	2	0.01	25	400	10	<0.01	<2	3	12
R15211		10	<1	0.04	10	0.41	675	2	0.01	23	210	8	<0.01	<2	4	12
R15212		10	<1	0.03	10	0.39	254	1	0.01	20	200	12	<0.01	<2	4	10
R15213		10	<1	0.07	10	0.32	432	<1	0.01	22	630	8	<0.01	<2	3	8
R15214		<10	<1	0.05	10	0.31	179	<1	0.01	18	850	7	0.03	<2	1	17
R15215		10	<1	0.04	10	0.35	312	1	0.01	22	670	8	0.01	<2	3	22
R15216		<10	<1	0.06	20	0.37	366	<1	0.01	25	740	9	0.05	<2	3	61
R15217		10	2	0.06	10	0.43	462	1	0.01	23	910	11	0.05	<2	4	65
R15218		<10	<1	0.04	10	0.33	338	1	0.01	23	650	8	0.05	<2	3	49
R15219		10	<1	0.03	10	0.37	1800	1	0.01	22	2210	19	0.06	<2	3	91
R15220		10	<1	0.07	10	0.43	2780	1	0.01	83	580	12	<0.01	<2	4	18
R15221		10	4	0.37	10	1.16	562	2	0.02	60	760	19	0.02	<2	7	29
R15222		10	<1	0.36	10	0.88	512	3	0.02	30	680	10	0.03	<2	5	22
R15223		20	<1	0.31	20	0.95	562	4	0.01	38	360	10	0.01	<2	6	9
R15224		10	<1	0.26	10	0.96	1405	3	0.02	42	800	7	0.02	<2	6	18
R15225		10	<1	0.09	10	0.94	312	2	0.01	65	390	13	<0.01	<2	4	10
R15226		10	<1	0.03	10	0.42	280	2	0.01	22	550	9	<0.01	<2	3	12
R15227		10	<1	0.10	10	0.52	274	1	0.01	22	150	10	<0.01	<2	5	7
R15228		10	<1	0.21	10	0.46	323	2	0.01	11	440	9	<0.01	<2	4	4
R15229		10	<1	0.04	10	0.44	254	1	0.01	24	290	4	<0.01	3	5	12
R15230		10	<1	0.03	10	0.26	107	1	0.01	11	370	12	<0.01	<2	2	8
R15231		10	<1	0.03	10	0.29	210	2	0.01	13	420	6	<0.01	<2	2	8
R15232		10	<1	0.05	10	0.34	276	2	0.01	16	450	9	<0.01	<2	3	10
R15233		10	<1	0.07	20	0.42	289	3	0.01	20	590	11	<0.01	<2	4	14
R15234		10	<1	0.40	10	1.16	449	16	0.02	80	620	12	0.03	<2	7	39
R15235		10	2	0.34	10	0.98	247	14	0.01	35	590	10	0.04	<2	6	32
R15236		10	<1	0.09	20	0.25	1920	2	<0.01	110	460	17	<0.01	<2	5	22
R15237		10	<1	0.42	10	1.05	618	<1	0.02	46	1190	13	0.06	2	6	83
R15238		10	<1	0.29	10	0.73	273	<1	<0.01	34	280	7	0.02	<2	3	13
R15239		20	<1	0.42	10	0.99	427	<1	0.02	32	750	7	0.02	<2	5	16
R15240		10	<1	0.20	10	0.78	249	1	<0.01	26	480	10	0.01	2	4	13
R15241		10	<1	0.17	10	0.63	284	1	<0.01	26	520	8	0.02	<2	4	17
R15242		10	<1	0.04	10	0.39	286	1	0.01	19	730	7	0.02	<2	2	27



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		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
R15243		10	<1	0.04	10	0.39	290	1	0.01	18	600	9	0.03	2	2	27
R15244		<10	<1	0.04	10	0.37	175	<1	0.01	16	560	8	0.01	<2	2	20
R15245		10	<1	0.03	10	0.30	155	1	<0.01	14	470	8	<0.01	<2	2	12
R15246		10	<1	0.03	10	0.31	164	<1	<0.01	15	480	8	0.01	<2	2	12
R15247		10	<1	0.03	10	0.38	202	<1	<0.01	18	680	9	0.01	3	3	27
R15248		10	<1	0.05	10	0.47	160	<1	<0.01	20	530	10	0.01	2	3	14
R15249		10	<1	0.06	10	0.48	247	1	<0.01	21	320	11	0.01	2	2	10
R15250		10	<1	0.53	20	1.10	519	<1	<0.01	41	870	12	0.01	2	7	18
R15251		10	<1	0.21	10	0.91	240	<1	<0.01	30	360	9	0.01	<2	5	11
R15252		20	<1	0.63	10	1.71	486	1	0.02	46	830	9	0.02	2	9	28
R15253		10	<1	0.12	10	0.72	293	4	0.01	22	690	22	0.01	<2	4	28
R15254		10	<1	0.06	10	0.62	472	7	0.01	22	670	17	0.02	2	4	37
R15255		10	<1	0.08	10	0.63	231	4	<0.01	30	470	20	0.01	<2	5	24
R15256		10	<1	0.12	10	0.66	235	2	<0.01	29	280	18	0.01	<2	4	13
R15257		10	<1	0.09	10	0.66	232	<1	<0.01	39	410	15	0.01	<2	3	14
R15258		10	<1	0.06	10	0.50	182	1	<0.01	22	180	10	0.01	<2	3	14
R15259		10	<1	0.05	10	0.51	202	2	<0.01	23	190	12	0.01	<2	3	14
R15260		10	<1	0.05	10	0.44	373	<1	<0.01	18	240	12	0.01	<2	3	15
R15261		10	<1	0.11	10	0.70	545	<1	0.02	31	660	11	0.02	<2	4	32
R15262		10	<1	0.04	10	0.45	317	<1	0.01	23	630	12	0.02	<2	3	27
R15263		10	<1	0.08	10	0.58	276	2	0.01	29	630	11	0.01	2	3	28
R15264		10	<1	0.10	20	0.58	543	1	0.01	37	810	14	0.03	<2	5	34
R15265		10	<1	0.12	10	0.71	485	2	0.01	27	690	7	0.03	<2	4	28
R15266		20	<1	0.38	20	1.64	874	1	0.02	50	790	10	0.04	3	8	40



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-XRF05
		TI %	TI ppm	U ppm	V ppm	W ppm	Zn ppm	W ppm
		0.01	10	10	1	10	2	10
R15203		0.04	<10	<10	40	<10	66	<10
R15204		0.03	<10	<10	34	<10	64	<10
R15205		0.04	<10	<10	39	<10	73	<10
R15206		0.04	<10	<10	37	<10	70	10
R15207		0.03	<10	<10	40	<10	69	10
R15208		0.05	<10	<10	79	<10	128	<10
R15209		0.03	<10	<10	51	<10	61	10
R15210		0.04	<10	<10	57	<10	62	<10
R15211		0.04	<10	<10	57	<10	60	<10
R15212		0.05	<10	<10	54	<10	56	<10
R15213		0.03	<10	<10	45	<10	60	10
R15214		0.02	<10	<10	36	<10	50	10
R15215		0.03	<10	<10	41	<10	63	10
R15216		0.03	<10	<10	32	<10	72	<10
R15217		0.03	<10	<10	39	<10	77	<10
R15218		0.03	<10	<10	36	<10	73	<10
R15219		0.02	<10	<10	44	10	78	<10
R15220		0.03	<10	<10	30	<10	135	10
R15221		0.17	<10	10	84	<10	100	<10
R15222		0.14	<10	<10	74	10	80	<10
R15223		0.17	<10	<10	80	<10	85	<10
R15224		0.12	<10	<10	74	10	111	10
R15225		0.10	<10	<10	65	<10	71	<10
R15226		0.05	<10	<10	45	<10	56	10
R15227		0.09	<10	<10	59	<10	59	<10
R15228		0.09	<10	<10	53	20	50	30
R15229		0.05	<10	<10	49	<10	54	10
R15230		0.04	<10	<10	44	<10	35	<10
R15231		0.03	<10	<10	43	30	46	30
R15232		0.04	<10	<10	45	20	57	30
R15233		0.05	<10	<10	40	20	59	50
R15234		0.15	<10	10	78	50	93	30
R15235		0.12	<10	10	59	20	72	20
R15236		0.01	<10	<10	22	<10	150	NSS
R15237		0.14	<10	<10	60	<10	87	<10
R15238		0.12	<10	<10	60	<10	69	10
R15239		0.14	<10	<10	85	10	65	10
R15240		0.12	<10	<10	63	<10	51	<10
R15241		0.09	<10	<10	53	<10	55	10
R15242		0.04	<10	<10	34	<10	57	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-XRF05
		TI	TI	U	V	W	Zn	W
		% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 10
R15243		0.04	<10	<10	40	<10	59	<10
R15244		0.04	<10	<10	35	<10	55	<10
R15245		0.05	<10	<10	36	<10	43	10
R15246		0.05	<10	<10	36	<10	43	10
R15247		0.04	<10	<10	39	<10	49	<10
R15248		0.05	<10	<10	46	<10	45	10
R15249		0.06	<10	<10	52	10	52	<10
R15250		0.11	<10	<10	80	<10	73	10
R15251		0.13	<10	<10	78	<10	59	10
R15252		0.18	<10	<10	107	<10	98	10
R15253		0.08	<10	10	53	<10	62	<10
R15254		0.06	<10	30	56	<10	62	10
R15255		0.08	<10	10	49	<10	61	10
R15256		0.08	<10	<10	56	<10	50	<10
R15257		0.07	<10	<10	47	<10	48	<10
R15258		0.06	<10	<10	54	10	39	10
R15259		0.06	<10	<10	54	10	40	20
R15260		0.06	<10	<10	60	<10	44	10
R15261		0.08	<10	<10	53	<10	67	10
R15262		0.04	<10	<10	42	<10	57	<10
R15263		0.07	<10	<10	47	<10	64	<10
R15264		0.05	<10	<10	49	10	63	20
R15265		0.07	<10	<10	50	<10	67	<10
R15266		0.16	<10	<10	95	<10	105	10