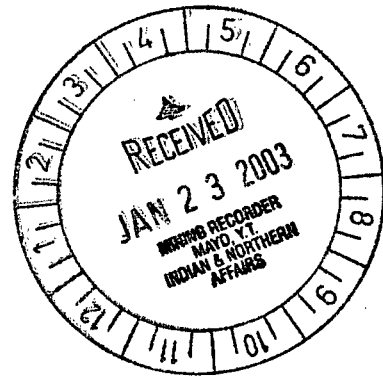


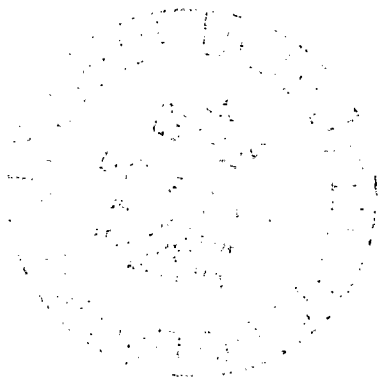


ASSESSMENT REPORT

094360

Tanner 1-8 claims
Mayo Mining District
Yukon Territories

Manson Creek Resources Ltd.
Jean-Pierre Jutras, P.geol
January 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 \$ 44,500.

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

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INTRODUCTION

During the summer of 2002, A two hole, helicopter supported diamond drilling program was conducted by Manson Creek Resources Ltd. on behalf of Anne Bordeleau on the Tanner 1-8 claims of the Mayo Mining district, Yukon territories. The objective of the program were to evaluate the geological context of the Tanner claims with respect to potential economic massive sulphide exhalative systems of the SEDEX or VMS class. The work was based on previously conducted mapping, sampling and airborne geophysical surveys which indicated a favorable environment for the type of deposit sought.

Drilling allowed for the identification of significant new lithological units such as significant synsedimentary breccias as well as bedded barite occurrences. Although no economic sections of mineralization were encountered, the 2002 drilling confirmed that the property is underlain by geology which has potential to host blind massive sulphide bodies with potentially economic grades of base and possibly precious metals.

1) Project Location

The Tanner Property consists of 8 claims duly located and recorded in the Mayo Mining District of the Yukon Territories. The claims were staked by Anne Bordeleau in August of 2000 and are all located on NTS map sheet 106/C 3.

Table 1: List of claims

Claim Name	Grant Number	Expiry date
Tanner 1	YC02343	August 10/2006
Tanner 2	YC02344	August 10/2006
Tanner 3	YC02345	August 10/2006
Tanner 4	YC02346	August 10/2006
Tanner 5	YC02347	August 10/2006
Tanner 6	YC02348	August 10/2006
Tanner 7	YC02349	August 10/2006
Tanner 8	YC02350	August 10/2006

A claim map obtained online from the Mayo Mining Recorder Office on February 14th, 2002 is included as Figure 1.

The Tanner property is located within the Southern Wernecke Mountains of the Yukon Territory. The area is characterized by wide U shaped drift filled valleys and deeply cut V shaped upland valleys. Peaks in the area average 1500 meters ASL in elevation and rise fairly abruptly from the major valleys.

SHEET 106C-3

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY DRAFT FOR THE DEPARTMENT OF MINES AND TECHNICAL DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, OMISSIONS OR OVERSIGHTS WHATSOEVER.

SEE ADJACENT MAP SHEET(S) EDGES FOR ADJOINING MINERAL CLAIMS NOT SHOWN ON THIS MAP

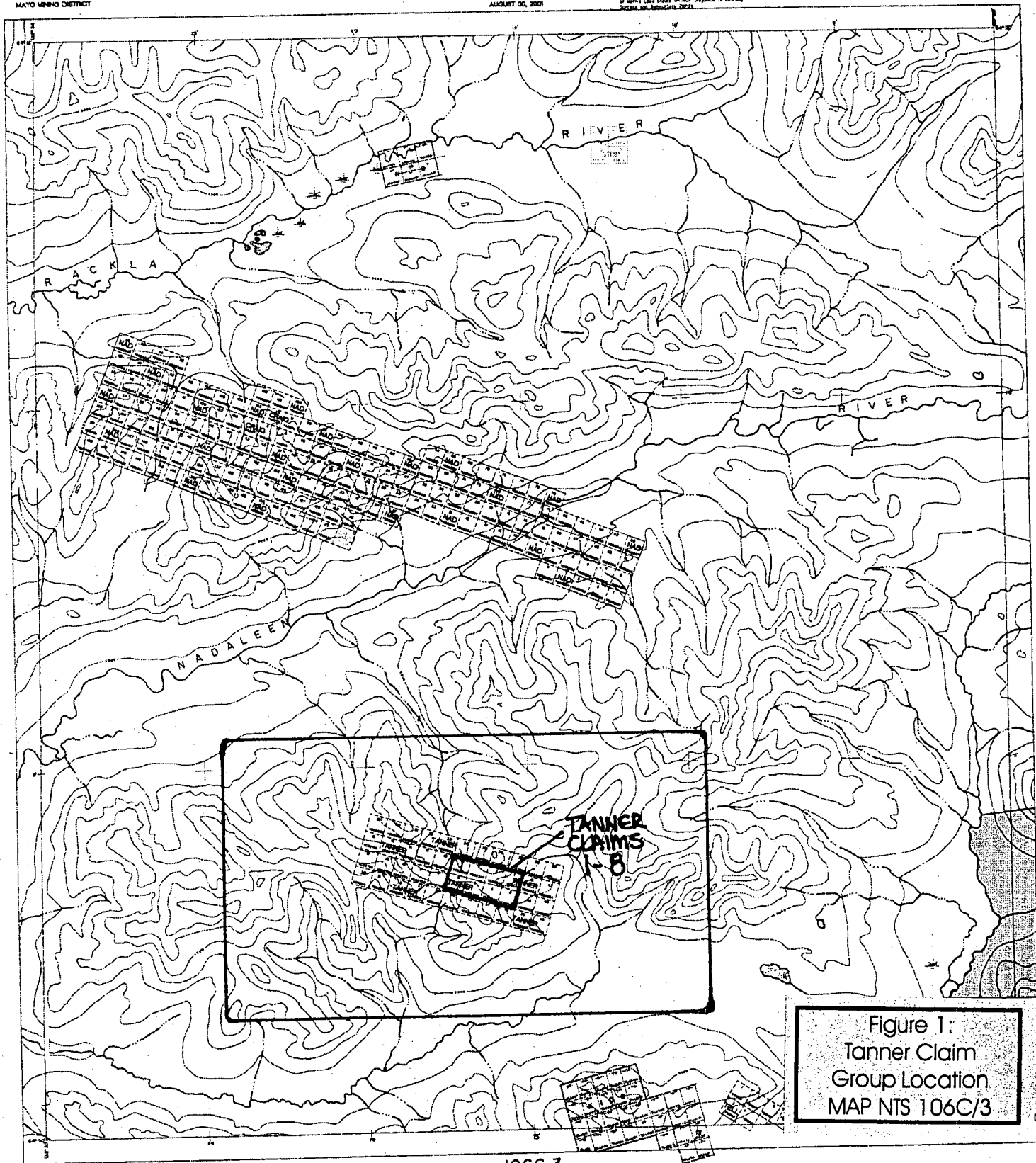
SCALE 1:50,000

AUGUST 30, 2001

NOTE: Entry on certain maps is different from status in unclassified areas to facilitate the submission of claims. See also the map of the area in the vicinity of the map.

FIG. 1 - FIRST BATCH OF MINERAL CLAIMS

MAYO MINING DISTRICT



106C-3

2) Access

Access to the properties is by helicopter either from Whitehorse (400 Km), Mayo (110 KM) or from the Rackla Airstrip (18 KM) where Manson Creek Resources Ltd. maintains a summer field camp and staging area accessible by fixed wing aircraft.

Whitehorse is the nearest populated center out of which logistical support for the property is available. There is no local infrastructure that could support a mining operation, the closest mining operations, currently inactive, are located at Elsa, some 70 Km to the south west.

3) Exploration target

a) Commodities/minerals

Although the general area has historically (1970's and 1980's) been the focus of limited grassroots exploration aimed at discovering carbonate hosted silver-lead-zinc mineralization, resulting in the discovery of the Craig, Val and Vera occurrences, recent work has focused on discovering further Marg style polymetallic VMS mineralization within Earn Group shales or equivalent stratigraphy to the East of the Marg occurrence. The Marg deposit is a VMS deposit with a reported geological resource of 6.092 Million tonnes grading 1.76% Copper, 2.46% Lead, 4.6% Zinc, 62.7 grams/tonne Silver and 1.0 grams/tonne Gold (source: Yukon mineral property update, January 2000, Mineral Resource Branch, Yukon Government).

b) Deposit type and geology

The Marg deposit, upon which the exploration model is based in this case, occurs within Earn Group shales at a transition between black shales and quartz-sericite schists interpreted to represent metamorphosed felsic volcanic rocks (flows or tuffs). It is believed that the Marg deposit was formed as a product of hydrothermal activity during a period of waning volcanism and transition from a devono-mississippian volcanic episode to a predominantly sedimentary regime leading to the formation of an extensive black shale package (Regional setting, structure, and zonation of the Marg volcanogenic massive sulphide deposit, Yukon, Turner and Abbot, Current Research, Part E, GSC paper 90-1E, 1990).

The deposit consists of a folded or stacked lenses of pyrite dominated (to 90%) massive sulphides with thicknesses ranging from 30 cm to 7 meters, locally interbedded with carbonaceous metacherts and quartz-sericite schists.

There are no expressions of massive sulphides at surface as weathering (oxidation) of the massive sulphide lenses reportedly occurred to a depth of some 20 meters. Importantly, a transported gossan occurs in a creek draining the deposit.

The host stratigraphy and ore horizons at Marg are widely recognized to be affected by two folding events which generally have an east-west trending axial planar trace.

According to Sangster (1980b) the average VMS district contains an average of some 12 deposits and a cumulative 94 million tonnes of ore over an average area of some 850 square Km (Sangster, D. F. , 1980b, Quantitative characteristics of volcanogenic massive sulphide deposits in volcanic centers: Canadian Institution of Mining and Metallurgy, Bulletin, v. 73, p.74-81.). It can therefore be considered highly likely that further VMS style mineralization may be found within the Earn Group shales or its lateral equivalents in close proximity to the Marg deposit.

Furthermore, the Marg deposit is classified as a NORANDA/KUROKO VMS deposit (Yukon Geology Program website> Selwyn Basin> Marg>deposit types), a class of deposit which although often of modest size is known to include such world class deposits as the Kidd Creek deposit of Ontario.

Other significant deposits in similar stratigraphic settings as that of the Tanner Property include deposits such as those of the Howard's Pass area, Alaska's Red Dog and the Selwyn Basin's Faro, Tom and Jason SEDEX Style deposits.

Evidence of significant exhalative activity has been outlined on the property to date. It is still unclear whether this hydrothermal activity is associated to a potentially economic massive sulphide ore deposit and the final classification of such a deposit, if it is to be found, will depend on the amount of volcanic rocks present in the system. In all likelihood, given the exposed volcanic stratigraphy on the NAD Property 8 km to the north of the Tanner Property, the system will ultimately be found to be somewhat transitional in nature within the VMS to SEDEX continuum.

4) Previous work conducted on the Property

Previous work on the Tanner claims include limited regional scale helicopter supported stream sampling carried out by Manson Creek Resources in 1998. Although no particular geochemical response corresponding to VMS style mineralization was identified (combination of Cu, Zn, Pb +/- Ag), a very significant transported gossan was observed at the head of an unnamed creek in the area that was to become the Tanner Property.

An orientation study of stream sediment samples and pan concentrates conducted by Manson Creek in 1998 outlined the fact that stream sediment results were strongly influenced by the presence of discrete grains of metal bearing minerals (physical weathering) and that chemical transport was not an overriding consideration under the climatic and physiographic regimes of the target area. As such, mineralization which does not outcrop or that has not been eroded directly within the hydrological network is not expected to have a discrete signature in the region.

The Tanner Property was staked in the summer of 2000 by Anne Bordeleau who conducted further grab sampling, hand trenching and limited mapping. Manson Creek Resource personnel carried out a property visit and small scale reconnaissance program in 2000 and conducted some larger scale mapping in the area as well as further grab

sampling and water sampling. Sampling results at surface to date have in no instance outlined the presence of potentially economic mineralization.

Results from the work performed in the summer of 2000 indicated that black shales, minor volcanic units, carbonaceous and graphitic shales with cherty intervals were widely present on the property. All units are isoclinally folded along a roughly east-west axial plane direction (110°) with further, minor scale north-south folding occurring in the area.

Two further transported gossan occurrences were discovered in 2000 by Anne Bordeleau and Manson Creek resources. The gossans do not originate from any units exposed at surface and are created by redeposition of iron oxides transported from an unexposed source by groundwater. The gossanous seeps have specific point sources and the water from those seeps is highly anomalous in zinc, nickel and manganese (less so in copper, cobalt and cadmium). No significant occurrences of sulphide minerals have been observed on the well exposed units found at surface and the few sulphide bands observed in the laminated shales show no trace of oxidation. It is therefore deduced that larger masses of oxidizing sulphides may be present in units located stratigraphically below what is seen at surface.

All three occurrences occur at roughly the same stratigraphic position within the shale package over a distance of some 2.5 kilometers and in two instances, bedded barite is observed near the gossanous seep point sources. Bedded barite is known to occur in association with many syngenetic SEDEX or VMS style massive sulphide occurrences in the Selwyn basin such as the Jason, Tom, Cirque, MM, Grum, Faro and Wolf deposits. The absence of barite at Marg is noted as an anomaly in this context. The importance of barite in terms of the exploration model is that it often occurs as a late phase hydrothermal expression of the same systems that are responsible for the introduction of metals in massive sulphide orebodies and is often located stratigraphically above sulphide horizons within one given system.

Mapping some 8 kilometers to the north of the Tanner property (on Manson Creek's Nad claims) indicated that the stratigraphy underlying the shale package may consist of volcanic units. A volcanic sequence consisting predominantly of basalts with minor felsic components as well as ultramafic flows (komatiitic units) has been mapped to the north and the sequences are considered correlateable. As such, it can be expected that unexposed volcanic strata may be present under the Tanner shales. The interface between the predominantly volcanic and predominantly sedimentary sequences in this context may be considered a prospective horizon for discovery of VMS style massive sulphides.

As no sulphide occurrences were noted at surface as causative sources for the Tanner gossans, the area was included in the 2001 airborne geophysical coverage instigated by Manson Creek Resources. A block roughly 4 by 3 kilometers was flown at 200 meter line spacing using a helicopter flown FUGRO system running high resolution Magnetic, electromagnetic (EM) and radiometric surveys. The block was centered on the Tanner 1-8 claims where gossans had previously been noted.

The airborne coverage highlighted a zone of strong conductivity across some 4.4 Km in length which remains open at both ends of the survey area. Resistivity contours indicate widths of 100 to 400 meters for the conductive corridor. A well defined linear magnetic low occurs along the zone of high conductivity. Resistivity values on all frequencies are consistent with published values for known massive sulphide deposits (Ascough, G.L., *Geophysical Characteristics of Volcanogenic Massive Sulphide Deposits, in Geophysics in mineral exploration: Fundamentals and case histories, GAC short course notes volume 14*). The strongest individual conductors identified within this corridor by the survey occur in the vicinity of the eastern and middle gossans. Graphite is known to occur locally in the shales but the presence of the large gossans and their point sources along a linear trend within the conductive corridor highlights the possibility that non-magnetic sulphides may be present at shallow depths. Graphite is also documented in association with the Marg massive sulphide mineralization and therefore, its presence is not considered a detriment in the interpretation of the survey results. Furthermore, the shale package has been mapped at surface over an area that is much more extensive than the conductive area as indicated on the airborne survey, indicating that the conductivity per say is not a function of the presence of ubiquitously conductive shales but that it is related to specific areas (and possibly to mineralization) within the shale package.

5) 2002 work program

Objectives

The objective of the 2002 work program was to determine whether a source could be identified for both the airborne and ground conductivity anomaly as well as a shallow sulphide source responsible for gossan formation near the head of gossanous creeks.

Methodology

A ground grid was established with non-slope corrected picket fences perpendicular to the trace of the airborne geophysical anomaly. Base line orientation was along the axis of the fold, trending 110 degrees. The grid was then partially surveyed with both magnetics and EM instruments over a total of 8 line kilometers for Mag and 6.5 line kilometers for EM (Table 2). Picket lines were put in 100 meters apart along a 2.5 Km baseline.

Geophysical Surveying was conducted by Aurora Geosciences of Whitehorse.

Table 2

Type Instrument	Total Line Km	Total Stations	Spacing (along line)
HLEM:Apex Parametrics MaxMinI-9	4.06	205	20 m
GEM magnetometer	5.2	507	10 m

Two diamond drill holes were drilled into the axis of the airborne/ground geophysical conductivity anomaly which covers the span of the property. As drilling was conducted

along the interpreted trace of an anticlinal feature, drilling was conducted to test both limbs of the fold and therefore one hole was drilled to the south and the second one, some 750 meters to the east, was drilled towards the north. All drilling was conducted by Caron Drilling of Whitehorse using a light, helicopter portable Craelius drill rig which did not necessitate extensive drill site preparation. Drill hole information and statistics are outlined in table 3.

TABLE 3

Drill hole #	UTM East	UTM north	Azimuth	Angle	Total Depth
T-01-02	583815	7104676	210	-45	153 m
T-02-02	584364	7104153	030	-45	153 m

All core was flown out to the Rackla Airstrip Camp operated by Manson Creek Resources Ltd. where it was logged, sampled and stored using existing core storage facilities.

Drilling on the Tanner Property started on June 18th and ended on June 28th, 2002.

Results

The 2002 Summer program was successful in identifying potential sources for the airborne geophysical conductivity anomaly and sulphide sources responsible for gossan formation at shallow depths. The program was also successful in identifying new lithological units which support the interpretation that a potentially significant SEDEX or VMS style system may be present on the property and that further exploration is warranted within the system.

The geophysical survey undertaken on the Property outlined the conductor and allowed for reference in the field to be established through the use of a marked picket grid. Ground geophysics outlined a broad conductor which forks out to the east of the survey area, perhaps a function of the underlying fold geometry. Analysis of the geophysical data outlined a slight dip of the conductor to the south which was interpreted as a slight dip of the fold axis to the south. This was confirmed through an analysis of core/bedding relationships during core logging.

A series of plan maps showing plotting of the geophysical results on a topographical base showing claim and drill hole locations is included in appendix 1.

Two drill holes were completed in 2002. The first tested the conductor within 100 meters of gossanous seeps originating from shale stratigraphy and responsible for gossan formation. The second hole tested the conductor some 750 meters to the south east of the first hole.

In both drill holes, a sequence of grey to black graphitic shales characterized by abundant millimeter to centimeter scale massive pyrite laminae which locally grade into semi-

massive sulphide intersections over a few meters was encountered. A coarse, conformable polymictic synsedimentary breccia unit was found to underlain the shales in both drill holes. Drilling was stopped within this unit in the first hole. The breccia unit was found to be underlain by further black, locally graphitic shales and a thick section of bedded laminated barite with minor pyrite in the second hole. Summary Drill logs are provided in Table 4.

Table 4
Summary Drill Logs

DDH T-01-01

FROM (m)	TO (m)	Lithology	Intersection	Comments
0	30.48	Graphitic argillite	30.48	Minor pyrite beds
30.48	38.1	Argillites, pyrite	7.62	30% pyrite, locally 60-70% pyrite, Minor Ba
38.1	127.4	Argillites, mudstones	89.3	Minor pyrite beds
127.4	153	Synsedimentary Breccia	25.6	Locally up to 70% pyrite.

DDH T-02-02

FROM (m)	TO (m)	Lithology	Intersection	Comments
0	32.9	Graphitic argillite	32.9	Minor pyrite beds
32.9	35.05	Argillites, pyrite	2.15	30% pyrite, locally 60-70% pyrite, Minor Ba
35.05	73.6	Argillites, mudstones	38.55	Minor pyrite beds
73.6	109.4	Synsedimentary Breccia	35.8	Locally up to 70% pyrite.
109.4	133	Argillites, mudstones	23.6	Locally semi-massive to massive Py beds
133	153	Bedded Barite	20	Massive bedded barite and pyritic argillite

Description of geological units and summary of assay results:

Black shales (mudstones to argillites, locally moderate to strongly graphitic). These units consistently display mm to cm scale bedding constrained pyritic layers which make up between 4 to 8% of the rock on average. Significant increases in the amount of sulphide mineralization can be seen in a number of intervals in both holes leading to sections a few meters in length where total laminated sulphide content of the shales can be up to 50-70% of the host rock. The shales are characterized by elevated values of gold (to 0.13ppm), silver (to 5.2 ppm), arsenic (to 240 ppm), mercury (to 4 ppm), molybdenum (to 83 ppm),

antimony (to 21 ppm), strontium (to 176 ppm), vanadium (to 377 ppm) and zinc (to 1370 ppm).

Synsedimentary breccias. These coarse, polymictic, matrix to clast supported units typically display significant clay alteration and locally contain significant amount of pyrite over short intervals. Local silicification and quartz veining are present. Background values for these units are distinct from the shales and only manganese can be seen to be locally elevated. A small number of intervals within the breccia units show elevated gold over 1 meter intervals (to 0.15 g/t Au) without any other clear corresponding metal enrichment. Bedding relationships show grading near the transition from the breccia unit to the overlying shales.

Bedded barite unit. This unit was encountered stratigraphically below the breccia on the second drill hole, the first drill hole having stopped within the breccia unit. It consists of grey to black shales with thin rhythmic laminae of pyrite throughout and 50 to 70% barite in layers ranging from a few mm to 2-3 cm. The complete 20 meter section through this unit returned 26.9% BaO by fusion analysis. A few intervals also returned anomalous gold values (0.01 to 0.11 g/t Au).

In no instance was potentially ore grade mineralization identified during the drilling program.

Complete sampling intervals, sample length description/lithological summaries and assay results are included as Appendix 2.

6) 2002 Exploration season conclusions and recommendations

Drilling on the Tanner property has significantly increased the knowledge base for the area surrounding the Tanner claims. New lithological units which were not observed in outcrop were observed, syngenetic semi massive sulphides were identified and a significant barite unit was discovered.

The presence of thick sequences of synsedimentary breccias outlines the potential for the presence of significant synsedimentary faults in the area. These faults may in turn act as conduits for mineralizing fluids in a typical SEDEX/VMS style environment. Syngenetic pyritic units and thick barite rich units may represent post mineral or laterally distant mineralized facies of an exhalative system. Further exploration is justified in this context to identify potentially economic mineralized faces either as replacement fronts, proximal exhalative facies or feeder pipe complexes associated with paleo-fault systems. The presence of low levels of metallic elements such as gold, silver, arsenic, mercury, antimony, strontium, vanadium and zinc indicate metal contribution during shale formation, a further sign that an economically mineralized core may be present within the system.

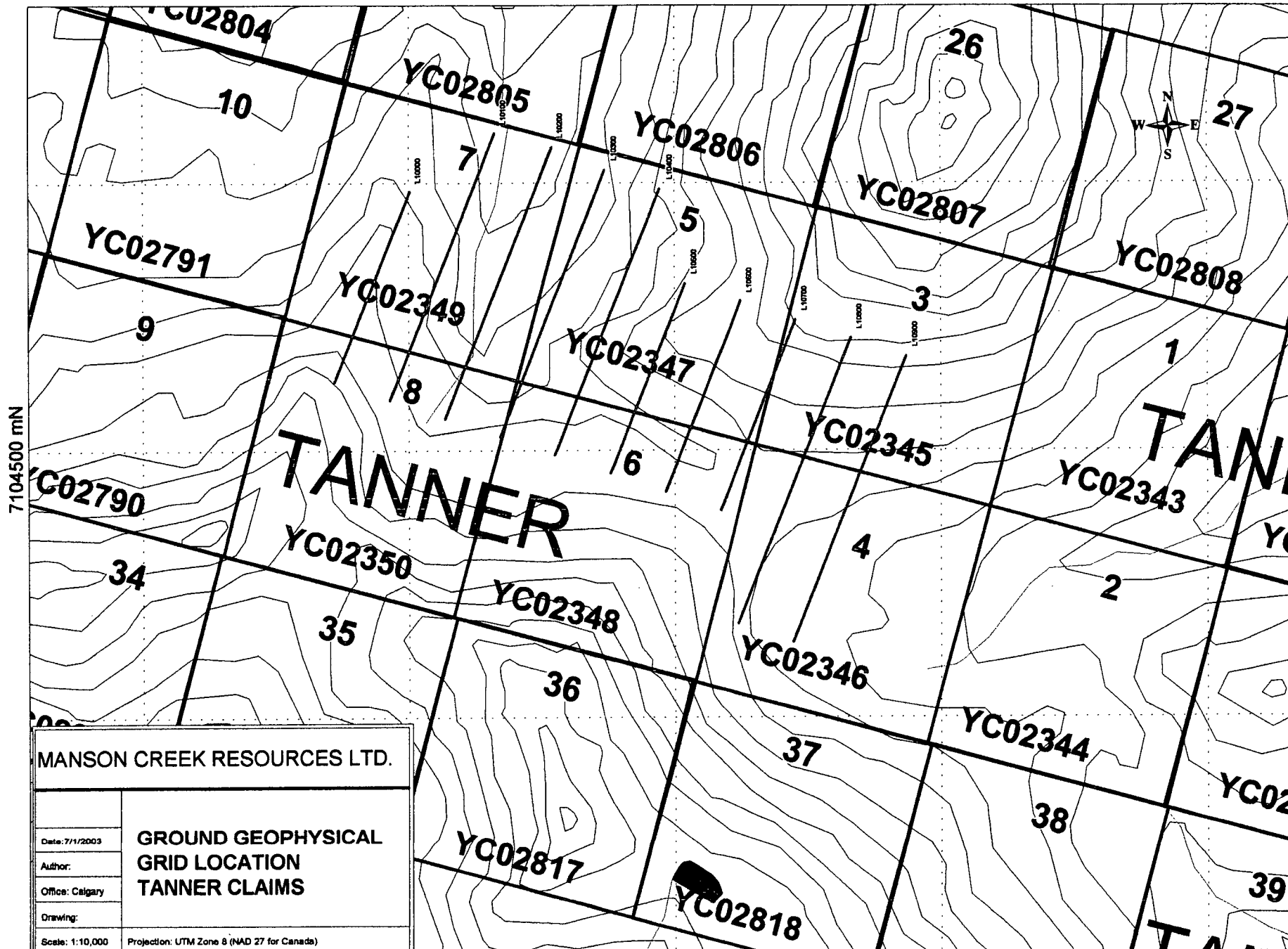
Further exploration should focus on an extension of the present geophysical grid as well as the use of techniques used with success in other massive sulphide districts with an emphasis on ground gravity work. Excess interference due to locally abundant graphite

within the sequence is expected to cause difficulties with identifying massive sulphide type conductors from graphitic ones. Test work using loop EM techniques such as UTEM and a further analysis of decay times may be justified.

Further ground geophysics and drilling are justified with the objective of defining the lithologies underlying the barite rich units as barite often caps zones of economic mineralization both within the Selwyn basin and in the Red Dog district of Alaska.

APPENDIX 1

Plan maps, Geophysical results



7104500 mN

584000 mE

MANSON CREEK RESOURCES LTD.

Date: 7/1/2003

Author:

Office: Calgary

Drawing:

Scale: 1:10,000

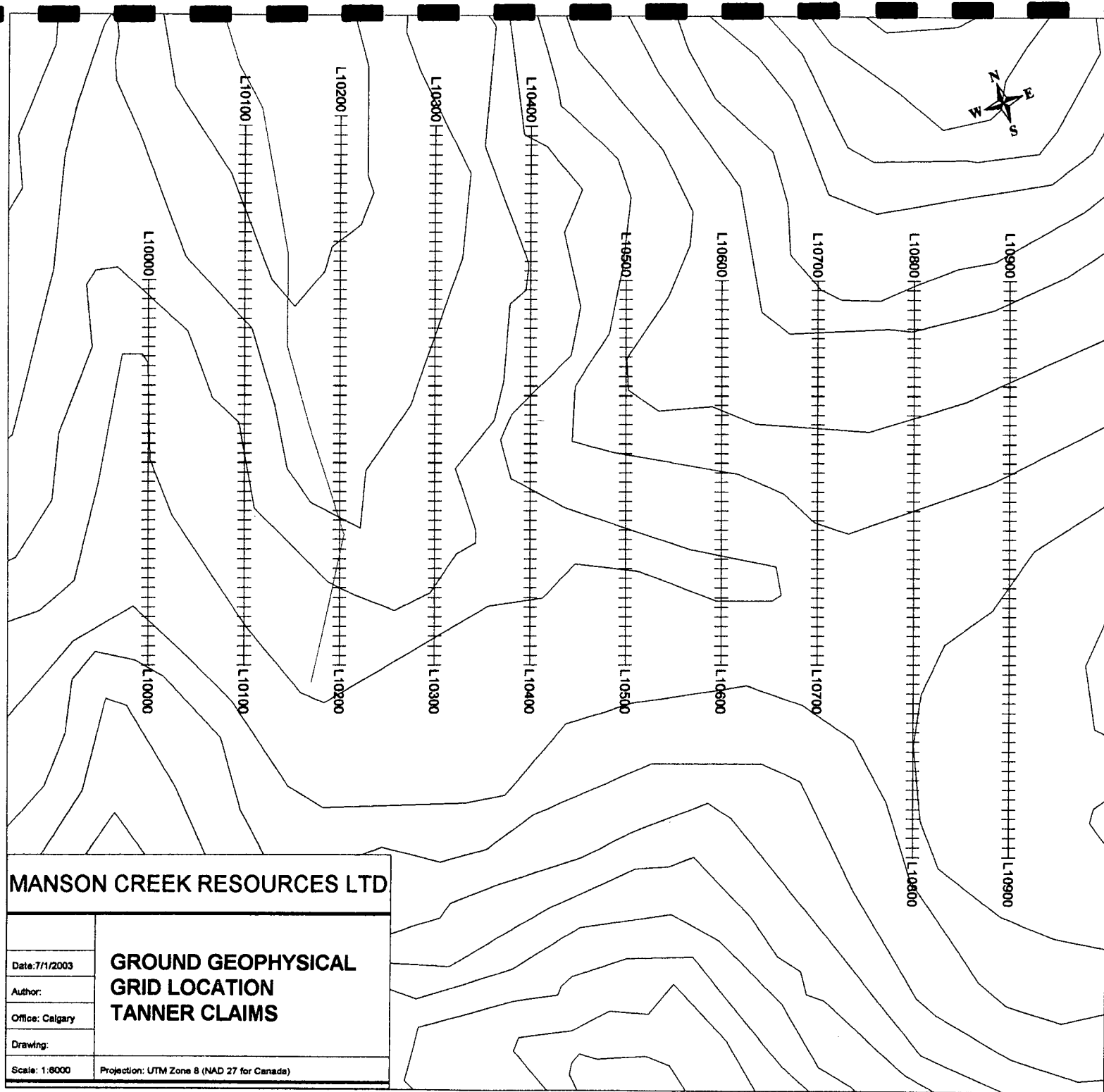
GROUND GEOPHYSICAL
GRID LOCATION
TANNER CLAIMS

Projection: UTM Zone 8 (NAD 27 for Canada)

Grid stats.txt
Base line was at 110 azimuth with lines at 020

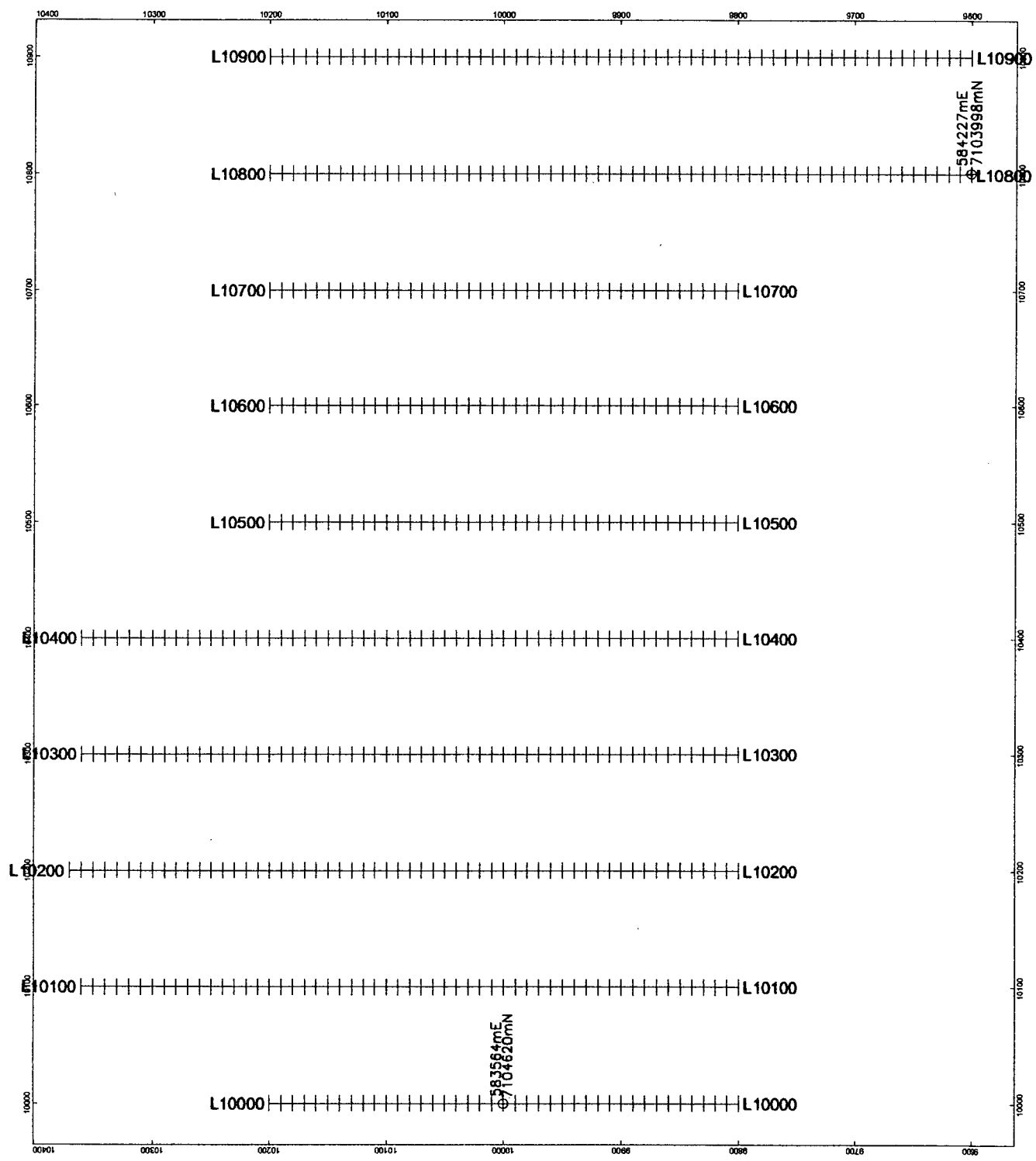
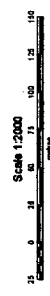
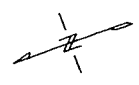
Mag stats:
507 stations read (every 10m along the lines)
5.2 line km total

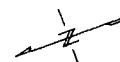
HLEM stats:
5 frequencies read; 220, 440, 880, 3520 and 14080 hz
205 stations (every 20m)
4.06 line km total



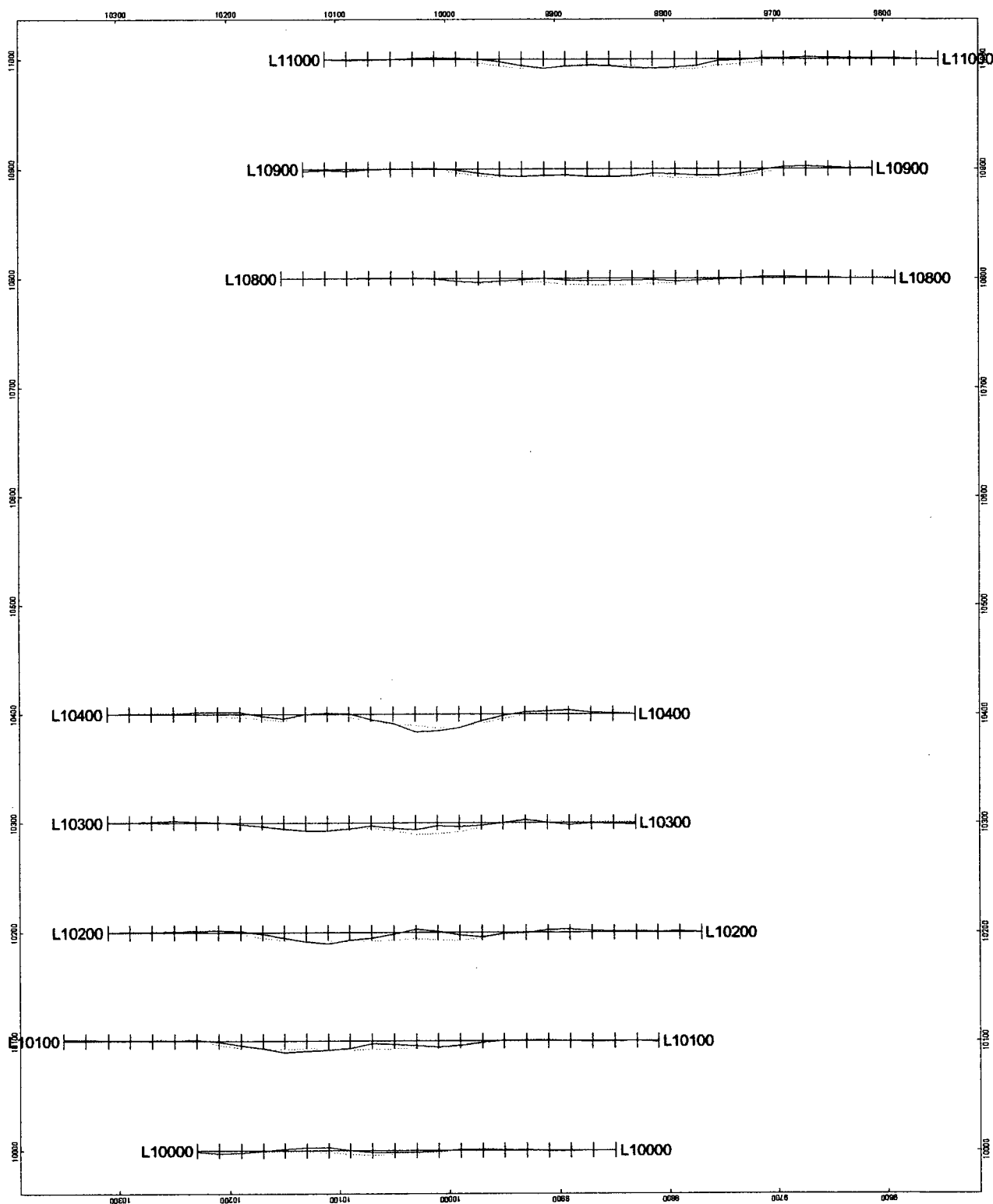
MANSON CREEK RESOURCES LTD

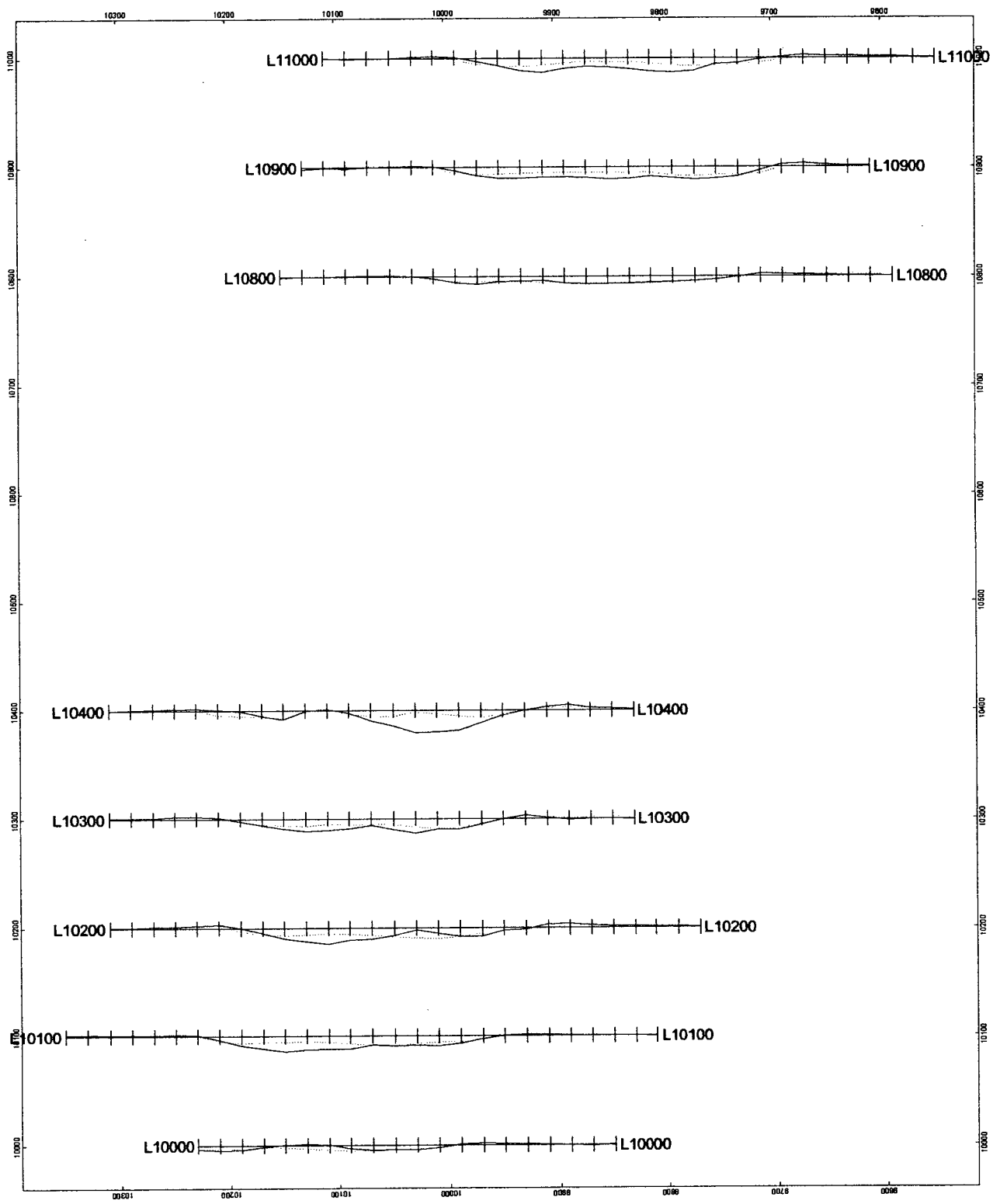
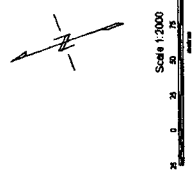
Date: 7/1/2003	GROUND GEOPHYSICAL GRID LOCATION TANNER CLAIMS
Author:	
Office: Calgary	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 8 (NAD 27 for Canada)

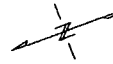
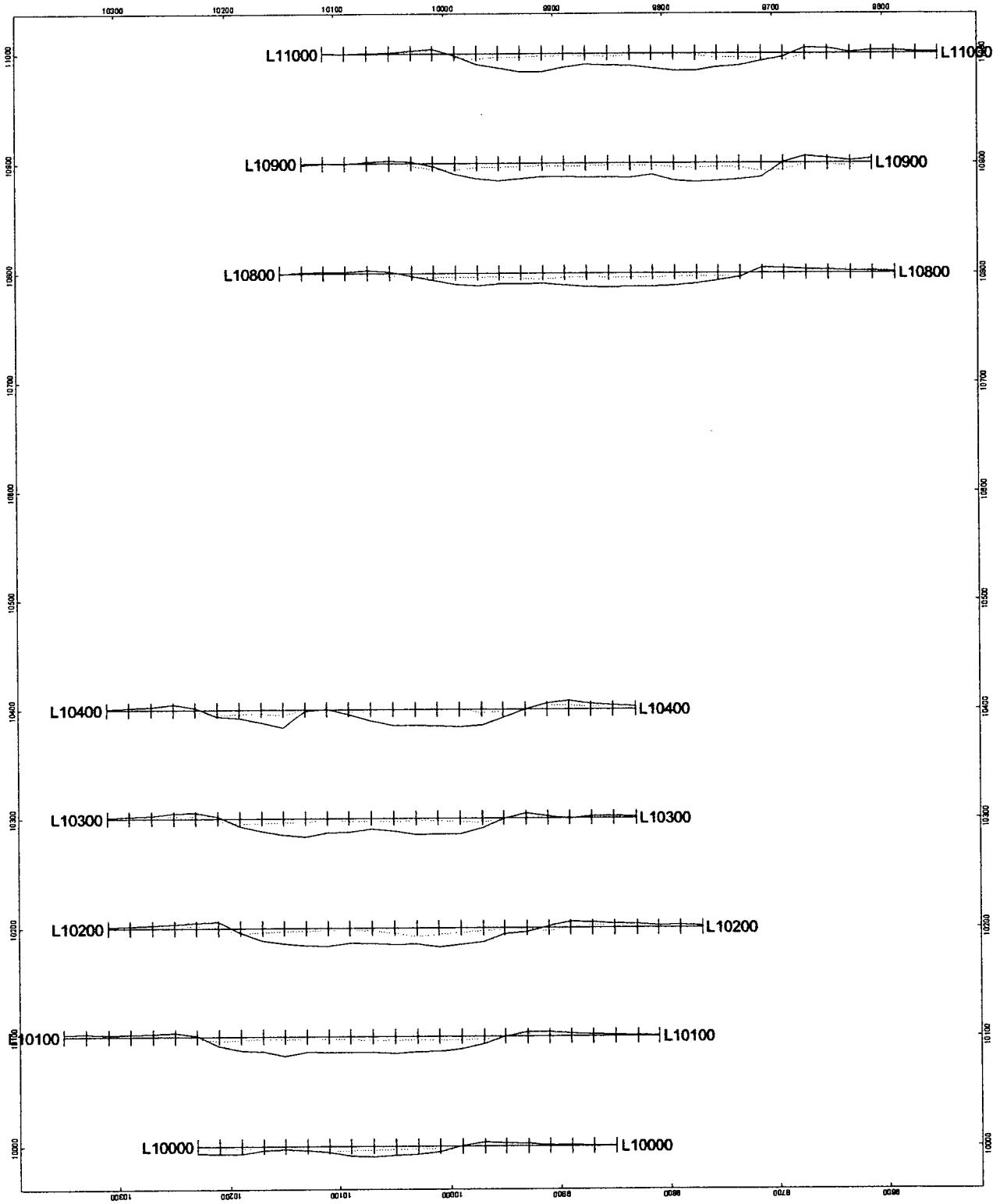




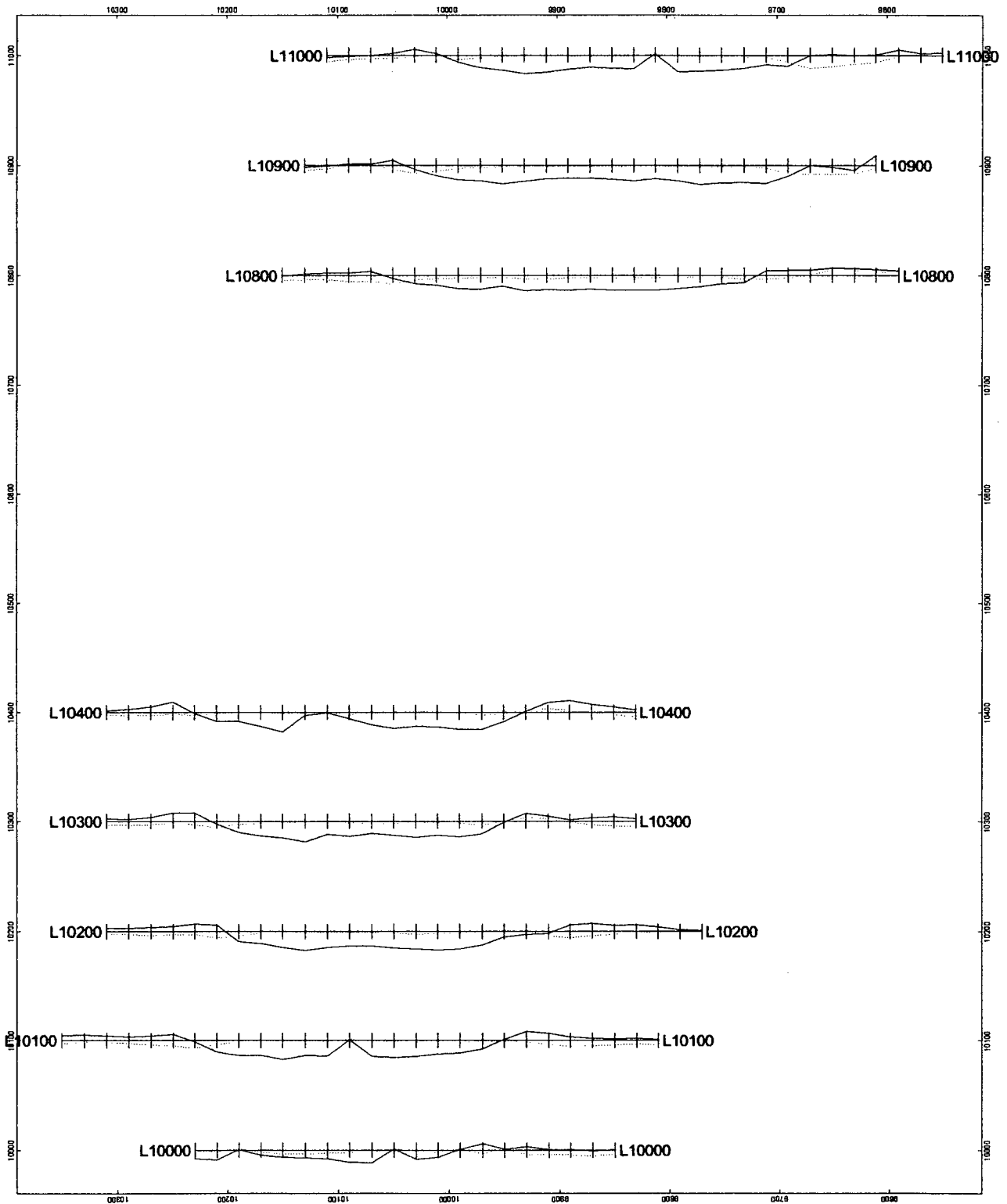
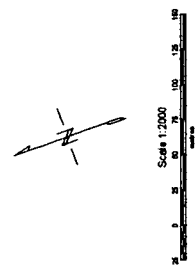
Scale 1:2000
 0 25 50 75 100 125 150
 metres

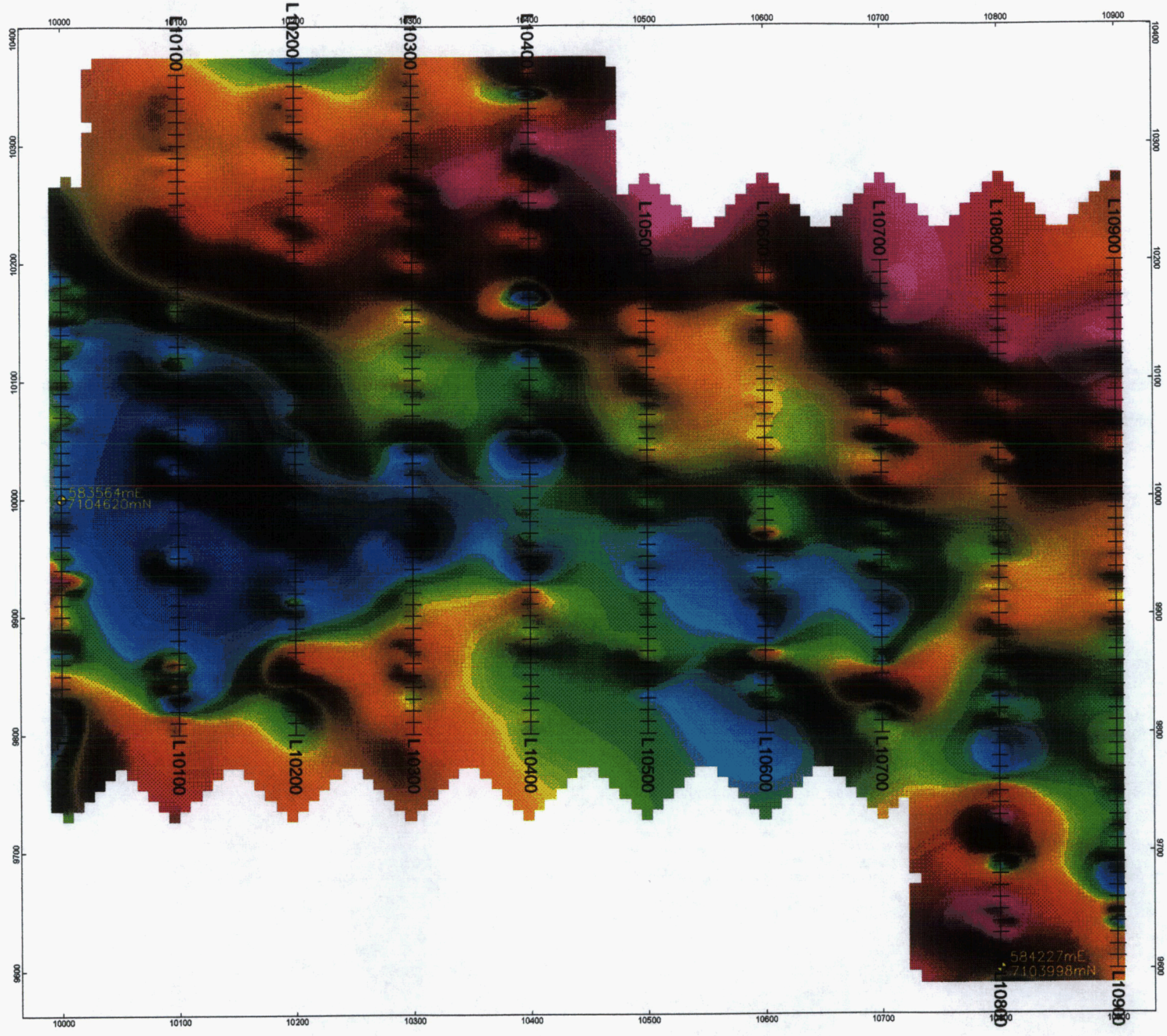




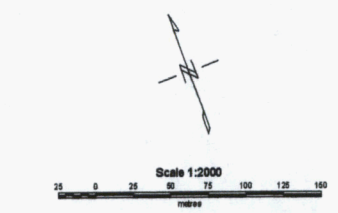


Scale 1:2000
metres





- 59029.9
- 59027.9
- 59026.3
- 59024.5
- 59022.8
- 59021.5
- 59019.9
- 59018.2
- 59016.6
- 59015.3
- 59014.3
- 59013.2
- 59012.3
- 59011.6
- 59010.8
- 59010.2
- 59009.6
- 59009.0
- 59008.4
- 59007.7
- 59007.0
- 59006.3
- 59005.6
- 59004.9
- 59004.2
- 59003.5
- 59002.9
- 59002.2
- 59001.5
- 59000.8
- 58999.8
- 58999.0
- 58998.1
- 58997.0
- 58995.6
- 58992.8
- 58989.6
- 58985.6



APPENDIX 2

Drill sections, logs and assay summaries
DDH T-01-02 and DDH T-02-02

L 10200 N L 10100 N L 10000 N L 9900 N L 9800 N L 9700 N L 9600 N L 9500 N

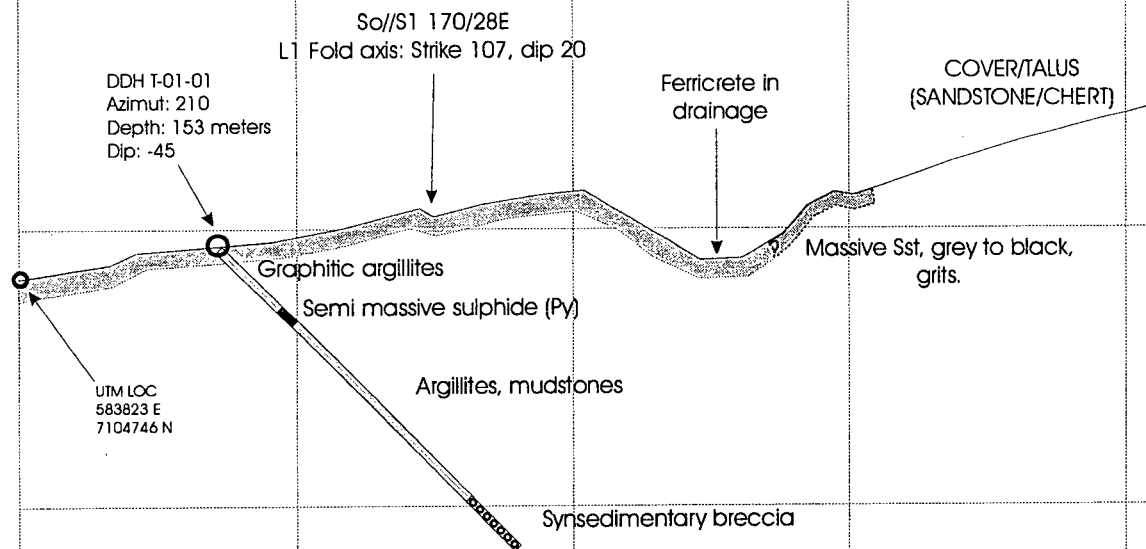
TANNER PROPERTY

T-01-02; LINE 10 200 E
line trends 030, looking east
Topography, surface geology
and drill hole projection

Scale

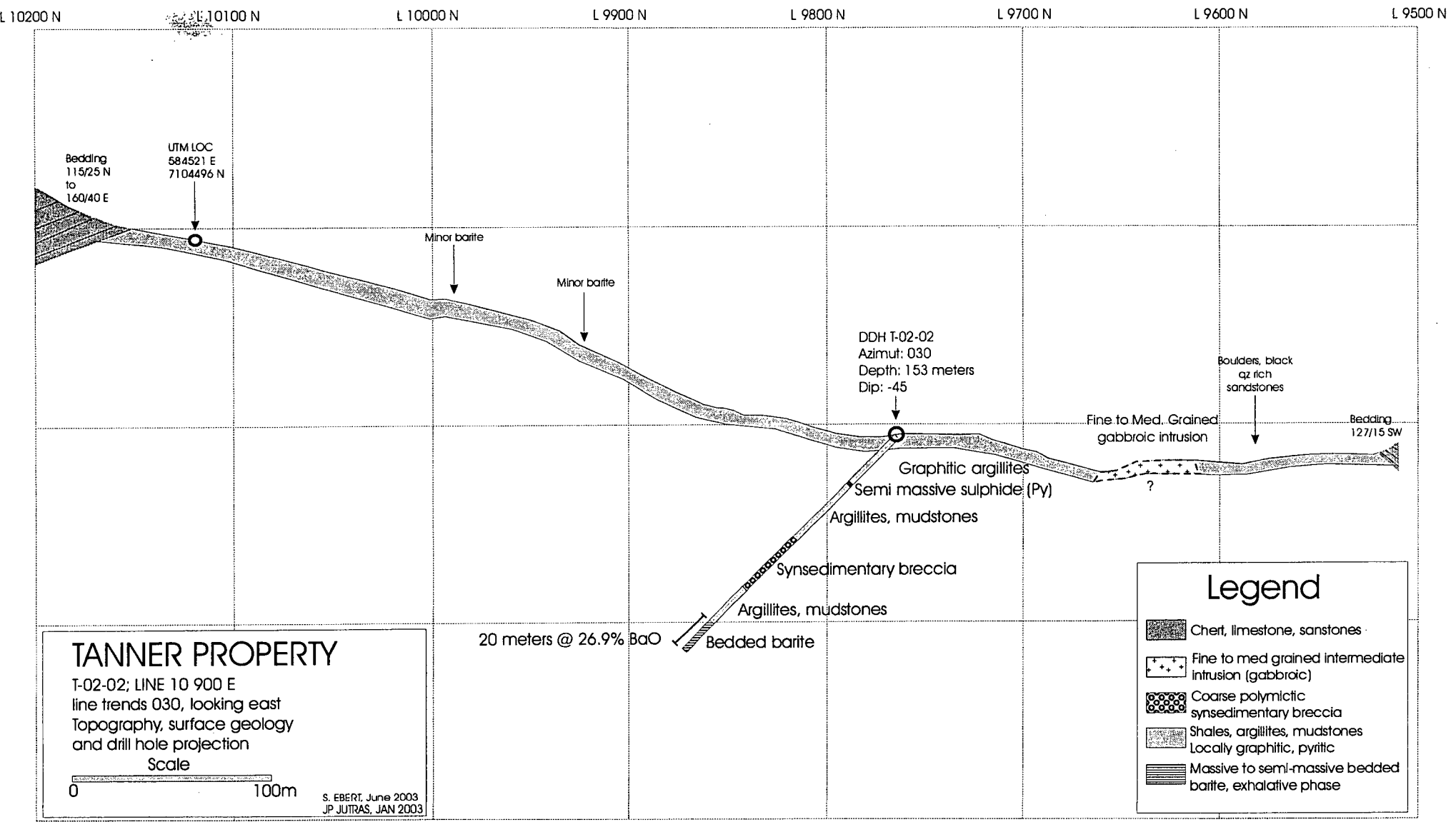
0 100m

JP JUTRAS, JAN 2003
S. EBERT, June 2003



Legend

- Chert, limestone, sandstones
- Fine to med grained intermediate intrusion (gabbroic)
- Coarse polymictic synsedimentary breccia
- Shales, argillites, mudstones
Locally graphitic, pyritic



GRAPHIC
LOG

Area TANNER		Latitude 583815 E 7104670N		Bearing 210°		Date Started June 20		Hole No T-01				
Contractor CARON Drilling		Departure		Inclination @ collar -45°		Date Completed		Logged by JP				
Core Size TW-BQ		Elevation (m A.S.L.)		Inclination @ m, _____		Total Length 153 m.		Sheet # 1/7				
FE FROM	FE TO	INTERVAL (m)	GRAPH 0-11	GEOLOGICAL DESCRIPTION		% REC	SAMPLE NO.	FROM (m)	TO (m)	LENGTH (m)	ANALYSES	
											Au (oz/ton)	Au (g/tonne)
10	12		25	10-27 FE, VERY POOR RECOVERY, GENERALLY		20%						
12	14		++	F. gr. black GRAPHITIC AUGENITE. Bi Planis Graph. loc 0.5-1cm bands		50						
14	16		++	26 FE, START OF SULPHIDE LAMINAE, Graphitic mudstone		40						
16	18		+	27' S ₀ /S ₁ @ 45° TCA, 30' - 15, @ 45° TCA, 35' S ₀ /S ₁ , 55° TCA		15						
18	22		++	26 FT to 53 FE, Py dominated massive sulphide laminae		10						
22	24		+	1 to 4mm thick locally 5 to 20% Py content, some		10						
24	27		+	S ₂ veinlets both // and V S ₂ Fabric/Foliation		20						
27	28.5	8-12	+	local recrystallization		30	24801	2	4	1m		
28.5	30	8-12	+	often w/ silica some shadowed indicating shaling								
30	32		+	S ₁ 39.5 FE S ₀ /S ₁ @ 60° TCA		50						
32	35	8		CHARACTER SAMPLES for section		70						
35	39	0-12		24801 - 1m S ₂ 10% Pyrite TOTAL		90						
39	41.5	5	+	24802 - 1m 10-15% Sulph ID. PHOTO # 31		100	24802	39	42	1m		
41.5	44.5	10	+	41.5 FE S ₀ 56° TCA, S ₁ 52° TCA 40FE kinking + strong overprinting		100						
44.5	47	2-5	+	47 FE S ₀ /S ₁ @ 35° 90° TCA 41.5 FRACT @ 0° TCA		70						
47	50	2-5	+	53 FE S ₀ X S ₁ S ₁ @ 37° TCA, S ₀ @ 24° TCA		80						
50	53.5	5-10	+	53.5 FE to 57.5 more competent section (S ₁ Flooding?) w		75						
53.5	57.5	10-15	+	larger Boudinaged bands of fine gr py to 1cm PHOTO		80	24803	53.5	56.7	1m		
57.5	62	4-8	+	53.5 FE S ₀ @ 40° S ₁ @ 45° S ₀ appears converted + transposed along S ₁		80						
62	66	4-8	+	53.5 to 57.5, 1cm rounded oxidized blebs locally		70	24804	64.67	67.0	1m		
66	72	3-10	+	54 FE S ₂ @ 90° TCA 57.5 S ₀ 55° S ₁ 40°		80						
72	77.5	2-5	++	67 FE S ₀ /S ₁ @ 30°		100						
77.5	81	2-4	+	70 FE S ₀ /S ₁ @ 30° S ₂ streaks @ 60° TCA								
				73 FE S ₀ @ 35° S ₁ @ 35° S ₂ @ 35°								
				S ₁ + S ₂ @ 90° = F ₂ Fold closure 80' S ₀ /S ₁ 40° TCA								

Area	Latitude	Bearing	Date Started	Hole No. T-01
Contractor	Departure	Inclination @ collar	Date Completed	Logged by
Core Size	Elevation (M.A.S.L.)	Inclination @ _____ m.	Total Length _____ m.	Sheet 2/7
		Inclination @ _____ m.		

FROM (m)	TO (m)	PY% INTERVAL (ft)	GEOLOGICAL DESCRIPTION	GRAIN SIZE		% REC	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (ft)	S ₀ S ₁ ANALYSES		
				+	-						S ₀ closure	S ₁ closure	ANALYSES (S ₀ S ₁)
81	89	4-6	81 to 100.5 minor graphitic argillites w banded Py lenses/lenticles	+	-	>95				86 ft	5°	7% Y	
89	96.5	4-6	@ mm scale, rhythmic, laminated making 4 to 6% of 124	+	+	"	2405	100	101.5	88 ft	S ₀ turns F ₁ closure	40% Y	S ₁ crenulated by S ₂
96.5	99.5	4-6	@ 100 ft → 101.5, thicker + higher concentration Py laminae, 25-30% Py	+	++	"	806	101.5	103.5	89		35° -	increased a fold
99.5	101.5	25-30	semi-massive sulphides w S ₀ /QZ stringers loc +/- clasts mudstone	-	+	"	807	103.5	105	93		25°	25° //
101.5	103	2-6	in Py intervals	-	+	"	808	105	109.5	99.5		30°	30° /
103	105.5	15-25	101.5 to 103.5 → 2-6% Py, laminae + diss in mudst	+	+	"	809	109.5	112.5	101.5		30°	30° //
105.5	110	4-8%	103.5 to 105 → semi-massive Py 10-25%	+	+	"	810	112.5	114.5	106		30°	30° //
110	113	20-50	110 to 115. SM photos 20 to 50% Py bands, up to 3cm, QZ +	+	+	"	811	114.5	116	113		30°	30° //
113	115.5	2-6	mudstone clasts w/ + QZ inlets @ 113 ft 10cm sample section			"				115.5		30°	30° //
			Taken out for rep.			"							
Box 7						"				118		18°	18° //
118	120.5	2-4	119-122, loc bands 4 → 10cm thick Py laminae (SM) over	+		"	812	116	119	120		25°	25° //
120.5	122	2/410	30% of core, 122 to 125, AS ABOVE, 10% of core SM	+		"	813	119	122	124		20°	20 //
122	127	40/2	into graphitic arg. w/ faint Py bands, 137-141 broad	+		"	814	122	123.5	127		? NV	10° S ₂ 40°
127	131	2-5	F ₁ /S ₀ closure around S ₂ , strong crenulation of S ₁ + boundary of	++		"	815	123.5	125	132		42°	
131	133.5	2-5	S ₀ Pyritic Band 127-131, very graph			"				133.5		30°	
133.5	137	2-4	S ₂ closure?, S ₁ changes dir, strongly crenulated. 133-132 tight			"				137		05°	05° // 138 photo S ₂ 4
137	142	3-8	Good small scale F ₁ closures (S ₀) 133.5 broad S ₀ /S ₁ closures			"				142		0°	35° Y
142	146.5	3-8	137 possible S ₂ closure PHOTO, Py band			"				146.5		12°	12° //
146.5	150		142 example of S ₀ slip along S ₁			"				152		25°	25° //

DIAMOND DRILL LOG

CLAIM NO:

PROJECT:

Area			Latitude	Bearing	Date Started		Hole No.	
Contractor			Departure	Inclination @ collar	Date Completed		Logged by	
Core Size			Elevation (m A.S.L.)	Inclination @ m ₁	Total Length m.		Sheet 3/7	
FROM (m)	TO (m)	INTERVAL (m)	GEOLOGICAL DESCRIPTION	% REC	SAMPLE NO.	FROM (m)	TO (m)	ANALYSES
Box 9		PV 0%						AT S _{0 on} S ₁ Au (g/tonne)
152	159.5	2-4	152 to 180 ft massive mudstone, moderately foliated, black	100%				154 55° 55° //
159.5	164.5	2+6	weakly graphitic on S ₁ planes. Py banding min scale absent to	100%				159.5 10° faint 35° Y S ₂ faint 10°
164.5	170	2+6	weak, faint bands, S ₁ Pyrite in coarse min sized recrystallized crystals	"	24816	163	170	164.5 0° 30° Y
170.5	171.5	2+6	moderately developed in the 2-4% range, some Py recryst along S ₀	"				170 20° 30° Y
Box 10			as well. Chert sampled @ 163 to 170 ft for background.	"				175 20° 30° Y
171.5	175	2	180-184.5 moderate Graphite on S ₁ planes, blocky recovery	"				184.5 10° 10° //
175	179.5	2+4	184.5-187.5 massive mudst, weakly graphitic	"				
179.5	184.5	2+4		"				
184.5	188	2+4	187.5 to 188 moderately to strong graphitic sections	"				
Box 10				"				
188	192	2-8	massive mudstone, faint Py laminae + locally blebs to	"				188 40 40 // S ₂ 10°
192	196.5	2-6	1cm, Py. Fgr sulph in mud matrix (+ at 191-192)	"				192 0° 30° Y ?
196.5	200.5	2-6	Qz veinlets + stringers, deformed @ 199, along S ₁					200.5 30° 30° //
200.5	203	2-6	Very strong S ₂ crenulation on S ₁ @ 188 (Photo 1*7)					204 05° 05° //
203	206.5	2-6	Strong Bkx + Qz Vn zone @ 193-194 ft 50% Qz, all directions, Bkx Vns					
Box 11	11/2 198	208)	moderately GRAPHITIC					
206.5	208	2-6	207 to 208 strong Graph. 206.5 to 222, laminated graphitic					208 30 30 //
208	210.5	2-6	mudstones, weak Py banding except 210, rule 2cm band graded					210 35 35 //
210.5	215	2-4	Py in mudst.					215 05 05 //
215	220	2-4	213 to 222 moderate to strongly GRAPHITIC					220 111 0°
220	222	2-4	222 Good S ₁ crenulation					S ₂ ?

Box 12

PROJECT:

Area		Latitude		Bearing		Date Started		Hole No. T01-02			
Contractor		Departure		Inclination @ collar _____ Inclination @ _____ m, _____ Inclination @ _____ m, _____		Date Completed June 23		Logged by JP			
Core Size		Elevation (m A.S.L.)				Total Length _____ m.		Sheet 4/7			
FROM (m)	TO (m)	Py %	GEOLOGICAL DESCRIPTION			% REC	SAMPLE NO.	FROM (m)	TO (m)	LITHO (m)	ANALYSES So Si Au (g/tonne)
Box 13						100					
220	224	2-4	220-262 moderately to strongly graphitic mudstones/argillites			"				224	20° 20° // turning gentle
224	228	"	strongly penetrative S+ throughout, very graphitic on Si planes			"				228	16° 16° //
228	231	"	Faint brownish banding, Far Py, mm scale, some			"				231	25° 25° //
231	235	"	feathery massive Graphitic beds			"				235	20° 20° //
235	238	"	229-230.5 Qz vein bearing silicified + LUGGAY section			"				238	10° 10° //
Box 14	14		Strong graphitic								
238	242	"				"				242	0 0 //
242	244	"				"				244	15° 15° //
244	247	"				"				247	20 20 // S2 faint but granular Si
247	250.5	"				"					
250.5	252.5	"				"				251	22° 22° //
252.5	253	2-4				"				252.5	
Box 15											
253	256	4-6				"				256	40 40 //
256	257.5	2-4				"				262	25 25 //
257.5	262	2-4				"				267	5° 5° //
262	267	6-8	262 to 268 competent section w definite weak to			"	24817	262	265		
267	268.5	4-6	moderate mm scale Py banding along So + L black py to 0.5 cm			"				274	20 20 //
Box 16			268-285 med to strong graphitic Arg/mudst, as 220-262							277	20 ~ 20 ~ //
268.5	272	4-6	268.5 PHOTO TURNS S/S			"				282	20 20 //
272	279	2-4				"					
279	282	2-4	282-282.5 Py bands up to 1cm over 20 cm interval			"					
282	285	8 to 2									

DIAMOND DRILL LOG

CLAIM NO:

PROJECT: TANAGER

Area		Latitude	Bearing	Date Started		Hole No. T01-02					
Contractor		Departure	Inclination @ collar	Date Completed		Logged by JP 06/25					
Core Size		Elevation (m A.S.L.)	Inclination @ m, m, m	Total Length 500ft m.		Sheet 5/7					
FROM (m)	TO (m)	Rec INTERVAL (m)	GEOLOGICAL DESCRIPTION	PY %	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	So	Si	ANALYSES
Box 17											
285	287	295	285 to 313 laminated, weakly graphitic mudst/Arg w faint	2-4	24818	302.5	305.5	287	25°	25°	//
287	292	295	to well defined Py banding w Py bands mm scale	2-11				296	20°	20°	//
292	296	"	5-10z Vnlets to 2-4mm throughout	4-8	24819	305.5	308.5	300	20°	20°	V
296	300	"		4-6	24820	309.5	311				
300	302.5	"		4-6	24821	311	314	302.5	30°	30°	//
Box 18											
302.5	305.5	"	314 amount of Py + density of layers increase until 318.5	6-8	24823	318.5	321.5	314.0	30	30°	// weak 3 Green Attention
305.5	310.5	"	= 1 ft section 25-35% sulphide, lowers and increases again	6-8	24824	321.5	325.5				
310.5	313.5	"	towards 323 where ^{semi} massive to massive Py bands to	6-8	24825	325.5	327.5	314	40°	40°	// S2 weak
313.5	318.5	"	Sem make up +1-30% of the interval in 10-50 cm	10-20	24826	327.5	230	318.5	40°	40°	// S2 strong 2nd Gray Sect.
Box 19											
			sections separated by mudst/arg w 6-10% Py, 2nd Py rich		24827	230	332				
318.5	324	"	interval starts @ 327.5 to 340 ft, then Py decreases. 327-340 ^{LOC} SM Py	10-25	24828	331	333	324	30	30°	//
324	326.5	"	335.7 to 337 → TYPE SECTION REMOVED SM.	8-15	24829	333	335.7	330	30	30°	//
326.5	332	"	Bxrx + Qz Verming + Graphene @ 350.5 to 354.5 w/strong 0° Foliation	8-20	24830	337	340	335	25	25°	//
332	337	"	and again from 357 to 368.5	8-20	24831	340	343.3	341	30	20°	V
Box 20											
					24832	343.3	347.3	346	30	30°	//
337	341	"	346-349 locally (10% core) SM Py banded to 2cm	8-20	24833	347.3	351	350.5	25	25°	//
341	346	"		8-15				354.5	25	25°	//
346	350.5	"		6-12							
350.5	354.5	Box 21		4-6				357	25M	25M	// 0°
354.5	362	80	354.5 to 368.9 broken core, moderately to strongly graphitic	2-4				365	?	S2 20°	S2 0°
362	364	80	low Py, local Qz + Bxrx, abundant // to CA S4-1-2	2-4				368.5	25	25°	// S2 20° all +/- 1/2 CA
364	366.5	80		2-4							
366.5	369.5	80		2-4							

YUKON ENERGY, MINES
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P.O. Box 2703
Whitehorse, Yukon Y1A 2C8

CLAIM NO:

PROJECT:

Area		Latitude	Bearing	Date Started		Hole No. T-01-02						
Contractor		Departure	Inclination @ collar	Date Completed		Logged by JP 06/26						
Core Size		Elevation (m.a.s.l.)	Inclination @ m ₁	Total Length m.		Sheet 6/7						
FROM (m)	TO (m)	Recovered Interval (m)	GEOLOGICAL DESCRIPTION	% REE	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	So ANALYSES			
									Au (oz/ton)	S ₁	Au (g/tonne)	
369.5	372	100	369.5 to 386 moderately to strongly foliated argillites / mudstones	2-4				372	10°	10° //		
372	376	100	weak to moderately graphitic Tour to well developed Py banding	2-4				376	30°	30° //		
376	380	100	on S ₀ . Dark Grey to black. Strong twinning + crenulating of S ₀ -S ₁	4-6				380	30°	30° //	379 to 386 strong S ₂ 0°	
380	386	95	at 369.5 to 375 and 379 to 386] S ₀ consistent, strong S ₂ at 379-386	6-8				386	40°	40° //		
386	389	100	2cm barite band at 378 w moderate Py.	6-8								
389	392	100	386, Rx becomes increasingly competent to 406.5, reflecting higher	6-8	24834	286	389	389	65°	65° //		
392	394.5	100	degree of S ₁ ? Barite bands 0.5 to 1cm increasingly common	8-10	24835	389	391.5	392	70°	70° //	weak S ₂ 0°	
394.5	399	100	locally 5-10% of core intervals over 20 to 30 cm core length (stronger)	6-10	24836	391.5	394	394.5	50°	50° //	" "	" "
399	402.5	100	@ 391 to 393) Barite dark grey to black, fine gr. massive	6-10	24837	394	397.5	399	55°	55° //		
402.5			+ locally brecciated + shows Qz veinlets.  Ba bands often	6-10	24838	397.5	401	402	15°	20° Y	} Flexure,	
			form boudins along S ₁ . Competent intervals weakly graphitic		24839	401	403.5	402.5	35°	35°	} NOT closure	
			394 Possible Fe-rich veinlets 1-2m over 5cm +/- Py.		24840	403.5	406	405.5	35°	35° //	weak S ₂	
402.5	405.5		405.5 to 409, moderate S ₂ 0° TCA, Blocky recovery, mod to strong graphitic	6-10	24841	406	409	409	05°	05° //	S ₂ 15° weak	
405.5	409.5		411 to 411.5, AS ABOVE	6-10	24842	409	412	411.5	45°	45° //	S ₂ 45° S ₁ 50°	
409.5	411.5		412 PHOTO bedded, folded Ba band, 2 closures w S ₁ axial plane, shows	6-10	24843	412	418	416	?	?	?	
411.5	416		Bkx + veinlets @ +/- 45° to S ₁ , no veinlets in shales/argillite	6-10	24844	418	420.5	418.5	55°	55°		
416	418.5	90	413 to 417, strong graphitic + S ₁ /S ₂ relat., loc Qz Bkx + veinlet minor	6-10	24845	420.5						
			Ba. Possibly Bkx thicker Ba intervals??									
			MAJOR STRAT CHANGE @ 418 to Sin sedimentary Bkx unit (CONTACT PHOTO)									
			CONTACT appears to be S ₀ /S ₁ conformable, shales → 5mm Bkx →									
			5mm shale to Bkx all the way to 500 ft description, next page									
			CONTACT @ 55° TCA.									

Box 22

Box 23

Box 24

PROJECT:

Area			Latitude		Bearing		Date Started		Hole No. T-01-02				
Contractor			Departure		Inclination @ collar		Date Completed		Logged by JP 06/26				
Core Size			Elevation (m A.S.L.)		Inclination @ _____ m, _____ m,		Total Length 502 ft m.		Sheet 717				
FROM (m)	TO (m)	INTERVAL (m)	GEOLOGICAL DESCRIPTION			% REC.	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	So	ANALYSES	
			Angular 70% subangular 20% rounded 10%										
			418 to 502 Polymictic Breccia w clasts of dominantly SST (recrystallized, micaceous Biot + Musc) 70%, shale/arenite/mudstone							421	20°?	20°	
			10% and limestone + chert 5% and massive sulphide (Py) 5%.				24845	420.5	424.5	425		35°	
			variably clast or matrix supported, laminations visible in muddy				24846	424.5	427	434	30°	33° //	
			locally clay altered + weakly to moderately graphitic matrix. Possible				24847	427	429.5	440	75°?	25° //	
			Barite in matrix along grayish bands w/ abundant fgr dissemination				24848	429.5	432.5	446	0°?	0° //	
			to semi massive sulphides (Py). Sulphide mineralization occurs as				24849	432.5	436	448	30°	30° //	
			1) fgr bands (chert) in muddy matrix 2) clasts of massive Py or				24850	436	439.2	457	25°?	25° //	
			semi massive Py in mudst clasts 3) recrystallized blocks to 1-2cm w/				391601	439.2	441.5	461.5	45°?	45° //	
			Qz pressure shadows 4) as veins (Qz) w abdt Py dissemination 5) as					441.5	442.3	REMOVED			
			Py +/- Si flooding throughout sections or 6) as Py + Si in clasts, forming				602	442.3 to 443	603	443 to 448			
			disseminated masses or distinct veins/veinlets (fracture fill)				604	448	452	467	30°?	30° //	
			Presence of various types of mineralization indicates active				605	452	455	472	70°?	55° Y?	
			So Pyrite formation, Bx, redeposition in an active envt,				606	455	458	482	50°?	50° //	
			possibly near a sea floor vent or in sedimentary fault.				607	458	461.5	487	025°?	55° Y?	
			Py content over a given section difficult to evaluate				608	461.5	464.7	492	30°?	50° Y?	
			due to variable modes and presence of mineralized vs				609	464.7	468	497	20°?	50° Y?	
			unmineralized clasts. Whole interval sampled and				610	468	471	502	0°?	40° Y?	
			Type sections removed. Py content overall varies				611	472	477.2				
			from 5-10% to 80% over short intervals				612	477.2	480.5				
			Hole ended in this unit.				613	480.5	484				
			Foliation and bedding often indistinct due to "foliation flow"				614	484	487				
			around multiple more competent clasts. Clast size varies between				615	487	490.3				
			few mm to 2+ feet intervals.				616	490.3	493.5				
							617	493.5 to 496.5	618	496.5 to 502	610	493.5 to 502	

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Hole Angle	Main Lithology	Mineralization	AssayReport	Au (g/t)	Ag (ppm)	Al (%)
T-01	8.23	9.24	1.01	24801	45	Black Argillite	5-10% Py	A0220836	<0.01	2.4	0.28
T-01	11.89	12.89	1.01	24802	45	Black Argillite	10-15% Py	A0220836	<0.01	3	0.29
T-01	16.31	17.28	0.98	24803	45	Black Argillite	10-15% Py	A0220836	<0.01	1.6	0.22
T-01	20.42	21.34	0.91	24804	45	Black Argillite	3-10% Py	A0220836	0.02	1.8	0.22
T-01	30.48	30.94	0.46	24805	45	Black Argillite	25-30 Py / SM laminated Py	A0220836	0.01	2.6	0.55
T-01	30.94	31.55	0.61	24806	45	Black Argillite	2-6% Py	A0220836	<0.01	1.6	0.18
T-01	31.55	32.00	0.46	24807	45	Black Argillite	25-30 Py / SM laminated Py	A0220836	0.03	3	0.69
T-01	32.00	33.38	1.37	24808	45	Black Argillite	4-8% Py	A0220836	<0.01	1.6	0.21
T-01	33.38	34.29	0.91	24809	45	Black Argillite	25-50 Py / SM laminated Py	A0220836	0.01	2.8	0.44
T-01	34.29	34.90	0.61	24810	45	Black Argillite	25-50 Py / SM laminated Py	A0220836	<0.01	3.4	0.49
T-01	34.90	35.36	0.46	24811	45	Black Argillite	2-6% Py	A0220836	0.13	2.2	0.47
T-01	35.36	36.27	0.91	24812	45	Black Argillite	2-4% Py	A0220836	0.02	1.6	0.26
T-01	36.27	37.19	0.91	24813	45	Black Argillite	2-40% Py/ SM laminated Py	A0220836	<0.01	2	0.38
T-01	37.19	37.64	0.46	24814	45	Black Argillite	2-40% Py/ SM laminated Py	A0220836	<0.01	1.4	0.22
T-01	37.64	38.10	0.46	24815	45	Black Argillite	2-40% Py/ SM laminated Py	A0220836	<0.01	2.4	0.42
T-01	49.68	51.82	2.13	24816	45	Mudstone	2-6% Py	A0220836	<0.01	2.2	0.26
T-01	79.86	80.77	0.91	24817	45	Mudstone	6-8% Py	A0220836	<0.01	1.8	0.26
T-01	92.20	93.12	0.91	24818	45	Mudstone	4-6% Py	A0220836	0.02	2.2	0.28
T-01	93.12	94.03	0.91	24819	45	Mudstone	6-8% Py	A0220836	0.02	2.2	0.25
T-01	94.03	94.79	0.76	24820	45	Mudstone	6-8% Py	A0220836	<0.01	1.8	0.27
T-01	94.79	95.71	0.91	24821	45	Mudstone	6-8% Py	A0220836	0.04	2.4	0.33
T-01	95.71	97.08	1.37	24822	45	Mudstone	10-25 % Py / SM laminated Py	A0220836	0.01	2.8	0.56
T-01	97.08	97.99	0.91	24823	45	Mudstone	10-25 % Py / SM laminated Py	A0220836	0.02	2	0.44
T-01	97.99	99.21	1.22	24824	45	Mudstone	10-25 % Py / SM laminated Py	A0220836	0.02	1.8	0.22
T-01	99.21	99.82	0.61	24825	45	Mudstone	8-15% Py	A0220836	<0.01	2.2	0.38
T-01	99.82	100.58	0.76	24826	45	Mudstone	8-20% Py / SM laminated Py	A0220836	<0.01	2.4	0.35
T-01	100.58	100.89	0.30	24827	45	Mudstone	8-20% Py / SM laminated Py	A0220836	0.03	2.6	0.57
T-01	100.89	101.50	0.61	24828	45	Mudstone	8-30% Py / SM laminated Py	A0220836	<0.01	1	0.25
T-01	101.50	102.32	0.82	24829	45	Mudstone	8-30% Py / SM laminated Py	A0220836	<0.01	1.6	0.28
	102.32	102.38	0.06	391751	45	Mudstone	80% Py laminated	VA02005140	0.01	3.5	1.1
	102.38	102.57	0.18	391752	45	Mudstone	20% Py laminated	VA02005140	0.01	3.4	0.37
	102.57	102.72	0.15	391753	45	Mudstone	80% Py laminated	VA02005140	0.02	5.2	0.66
T-01	102.72	103.63	0.91	24830	45	Mudstone		A0220836	0.01	3.2	0.49
T-01	103.63	104.64	1.01	24831	45	Mudstone		A0220836	0.01	2.2	0.46
T-01	104.64	105.86	1.22	24832	45	Mudstone		A0220836	<0.01	2.6	0.47
T-01	105.86	106.98	1.13	24833	45	Mudstone		A0220836	<0.01	1.8	0.2
T-01	117.65	118.57	0.91	24834	45	Mudstones/Argillites	6-8% Py +/- Ba	A0220836	0.01	3	0.26
T-01	118.57	119.33	0.76	24835	45	Mudstones/Argillites	6-8% Py +/- Ba	A0220836	0.02	2	0.45
T-01	119.33	120.09	0.76	24836	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	<0.01	1.8	0.59
T-01	120.09	121.01	0.91	24837	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	0.01	2.2	0.48
T-01	121.01	122.22	1.22	24838	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	<0.01	2	0.36
T-01	122.22	122.99	0.76	24839	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	<0.01	2.2	0.48
T-01	122.99	123.75	0.76	24840	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	0.01	2.8	0.41
T-01	123.75	124.66	0.91	24841	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	0.01	2.8	0.39
T-01	124.66	125.58	0.91	24842	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	0.02	2.6	0.49
T-01	125.58	127.41	1.83	24843	45	Mudstones/Argillites	6-10% Py +/- Ba	A0220836	<0.01	2.4	0.48
T-01	127.41	128.17	0.76	24844	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	0.4	0.29

From (m)	To (m)	Length (m)	sample number	As (ppm)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
8.23	9.24	1.01	24801	56	<10	30	<0.5	<2	<0.01	<0.5	9	44	72	3.62	<10
11.89	12.89	1.01	24802	70	<10	30	<0.5	2	0.01	1.5	10	30	98	4.33	<10
16.31	17.28	0.98	24803	78	<10	40	<0.5	2	<0.01	3	10	38	55	4.08	<10
20.42	21.34	0.91	24804	64	<10	50	<0.5	<2	<0.01	11	10	30	74	2.94	<10
30.48	30.94	0.46	24805	94	<10	20	0.5	<2	0.47	5.5	7	69	71	4.03	<10
30.94	31.55	0.61	24806	68	<10	60	<0.5	10	0.01	8	8	40	56	2.63	<10
31.55	32.00	0.46	24807	124	<10	30	0.5	2	0.98	11	8	73	79	4.61	<10
32.00	33.38	1.37	24808	74	<10	30	<0.5	2	0.04	6	16	39	71	3.6	<10
33.38	34.29	0.91	24809	106	<10	10	0.5	<2	0.26	8	8	67	90	5.64	<10
34.29	34.90	0.61	24810	140	<10	10	0.5	6	0.46	7.5	9	66	118	6.92	<10
34.90	35.36	0.46	24811	110	<10	20	<0.5	<2	0.63	6	13	61	79	4.38	<10
35.36	36.27	0.91	24812	100	10	40	<0.5	<2	0.17	7.5	13	67	67	2.78	<10
36.27	37.19	0.91	24813	104	<10	30	<0.5	2	0.45	8	11	58	66	3.5	<10
37.19	37.64	0.46	24814	152	<10	20	<0.5	8	0.01	3	25	38	95	4.24	<10
37.64	38.10	0.46	24815	130	<10	20	<0.5	<2	0.14	8.5	14	61	82	5.04	<10
49.68	51.82	2.13	24816	164	<10	20	<0.5	6	0.01	1.5	28	50	115	4.44	<10
79.86	80.77	0.91	24817	60	<10	40	<0.5	8	0.01	7.5	11	63	75	3.53	<10
92.20	93.12	0.91	24818	74	<10	20	<0.5	<2	0.06	12.5	9	63	88	3.64	<10
93.12	94.03	0.91	24819	34	<10	110	<0.5	<2	0.03	17.5	8	65	67	1.81	<10
94.03	94.79	0.76	24820	46	<10	80	<0.5	<2	0.03	14	10	59	64	2.34	<10
94.79	95.71	0.91	24821	72	<10	20	<0.5	8	0.06	10.5	16	65	87	3.63	<10
95.71	97.08	1.37	24822	76	<10	20	0.5	<2	0.55	2.5	6	96	75	3.82	<10
97.08	97.99	0.91	24823	80	<10	20	<0.5	8	0.14	3	9	75	86	3.97	<10
97.99	99.21	1.22	24824	36	<10	110	<0.5	<2	0.01	9	8	69	56	1.88	<10
99.21	99.82	0.61	24825	60	<10	20	<0.5	6	0.38	7	7	76	65	3.43	<10
99.82	100.58	0.76	24826	70	<10	20	<0.5	10	0.21	9	7	89	71	3.58	<10
100.58	100.89	0.30	24827	76	10	20	0.5	2	0.74	4	11	64	62	3.76	<10
100.89	101.50	0.61	24828	66	<10	20	<0.5	6	0.01	1.5	22	54	74	3.75	<10
101.50	102.32	0.82	24829	62	<10	30	<0.5	14	0.06	8.5	14	57	74	3.35	<10
102.32	102.38	0.06	391751	105	10	40	1.6	<2	2.34	4.5	7	100	101	7.45	<10
102.38	102.57	0.18	391752	144	<10	20	<0.5	<2	0.02	8	6	91	108	8.3	<10
102.57	102.72	0.15	391753	227	<10	20	0.7	11	0.3	6.8	<1	69	157	12.4	<10
102.72	103.63	0.91	24830	118	10	10	0.5	12	0.49	10	9	86	102	5.93	<10
103.63	104.64	1.01	24831	64	10	30	0.5	<2	0.26	9.5	11	62	78	3.47	<10
104.64	105.86	1.22	24832	116	10	10	0.5	10	0.47	3	17	69	89	4.65	<10
105.86	106.98	1.13	24833	112	<10	50	<0.5	6	0.01	7.5	9	81	64	2.73	<10
117.65	118.57	0.91	24834	92	<10	30	0.5	<2	0.04	1.5	23	45	119	5.14	<10
118.57	119.33	0.76	24835	48	<10	30	0.5	<2	0.73	2.5	12	45	95	3.32	<10
119.33	120.09	0.76	24836	28	<10	60	0.5	6	1.59	2.5	7	64	77	2.24	<10
120.09	121.01	0.91	24837	26	<10	90	0.5	<2	0.77	16.5	9	48	99	2.05	<10
121.01	122.22	1.22	24838	32	<10	90	0.5	<2	0.59	9	8	51	73	2.07	<10
122.22	122.99	0.76	24839	42	<10	40	0.5	<2	0.6	10.5	10	54	94	2.49	<10
122.99	123.75	0.76	24840	54	<10	20	0.5	2	0.29	13.5	9	71	102	2.8	<10
123.75	124.66	0.91	24841	52	<10	30	0.5	<2	0.27	13	9	62	99	2.79	<10
124.66	125.58	0.91	24842	82	<10	20	0.5	<2	0.77	7.5	11	56	104	3.8	<10
125.58	127.41	1.83	24843	82	<10	30	0.5	4	1.6	5.5	13	44	119	4.24	<10
127.41	128.17	0.76	24844	22	<10	90	<0.5	<2	0.21	<0.5	9	87	31	1.99	<10

Hole location: UTM E 583815, UTM N 7104676

Azimut: 210
Angle: -45
Total Depth: 153m

From (m)	To (m)	Length (m)	sample number	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	S (%)	Sb (ppm)
8.23	9.24	1.01	24801	<1	0.13	<10	0.02	35	21	<0.01	104	120	12	4.15	6
11.89	12.89	1.01	24802	<1	0.14	<10	0.03	55	13	<0.01	96	150	12	4.91	8
16.31	17.28	0.98	24803	<1	0.11	<10	0.01	30	21	<0.01	122	90	12	4.6	6
20.42	21.34	0.91	24804	<1	0.1	<10	0.01	55	24	<0.01	119	120	10	3.33	6
30.48	30.94	0.46	24805	<1	0.11	<10	0.03	50	9	<0.01	76	3300	8	4.56	8
30.94	31.55	0.61	24806	<1	0.08	<10	0.01	60	24	<0.01	101	110	8	2.94	8
31.55	32.00	0.46	24807	<1	0.14	10	0.04	75	16	0.01	83	5910	12	5.12	14
32.00	33.38	1.37	24808	<1	0.09	<10	0.01	75	43	<0.01	115	230	10	4	14
33.38	34.29	0.91	24809	<1	0.11	<10	0.03	90	18	<0.01	102	1990	12	6.1	16
34.29	34.90	0.61	24810	<1	0.1	<10	0.03	170	13	<0.01	83	3200	14	7.6	18
34.90	35.36	0.46	24811	<1	0.12	<10	0.03	80	25	<0.01	98	3350	14	4.82	12
35.36	36.27	0.91	24812	<1	0.08	<10	0.01	65	26	<0.01	94	980	10	3.04	8
36.27	37.19	0.91	24813	<1	0.1	<10	0.02	70	26	<0.01	104	2500	16	3.85	10
37.19	37.64	0.46	24814	<1	0.08	<10	0.01	65	37	<0.01	83	230	16	4.59	10
37.64	38.10	0.46	24815	<1	0.1	<10	0.03	70	23	<0.01	111	1470	18	5.39	12
49.68	51.82	2.13	24816	4	0.11	<10	0.01	55	16	<0.01	71	60	14	4.74	20
79.86	80.77	0.91	24817	1	0.12	<10	0.01	40	33	<0.01	153	70	12	3.75	10
92.20	93.12	0.91	24818	1	0.12	<10	0.01	55	34	<0.01	120	260	12	3.9	20
93.12	94.03	0.91	24819	<1	0.11	<10	0.01	50	27	<0.01	103	130	6	1.99	12
94.03	94.79	0.76	24820	1	0.12	<10	0.01	55	36	<0.01	136	110	10	2.54	12
94.79	95.71	0.91	24821	1	0.11	<10	0.02	70	50	<0.01	157	430	10	3.91	16
95.71	97.08	1.37	24822	4	0.14	<10	0.03	60	3	0.01	58	3170	10	4.08	10
97.08	97.99	0.91	24823	3	0.13	<10	0.03	50	16	<0.01	91	1220	8	4.25	12
97.99	99.21	1.22	24824	1	0.09	<10	0.01	55	28	<0.01	108	160	8	2.02	8
99.21	99.82	0.61	24825	<1	0.12	<10	0.02	50	14	<0.01	80	1880	8	3.66	8
99.82	100.58	0.76	24826	<1	0.12	<10	0.02	60	18	<0.01	95	1190	12	3.83	6
100.58	100.89	0.30	24827	<1	0.15	10	0.03	50	24	0.01	108	4040	10	4.06	6
100.89	101.50	0.61	24828	<1	0.11	<10	0.01	65	45	<0.01	119	90	10	3.99	8
101.50	102.32	0.82	24829	<1	0.12	<10	0.01	90	33	<0.01	103	340	10	3.59	10
102.32	102.38	0.06	391751	2	0.16	20	0.16	97	24	0.01	84	>10000	20	7.81	13
102.38	102.57	0.18	391752	1	0.1	<10	0.02	82	12	<0.01	80	940	12	8.28	11
102.57	102.72	0.15	391753	<1	0.09	<10	0.02	175	10	0.01	79	4460	11	>10.0	21
102.72	103.63	0.91	24830	<1	0.14	<10	0.03	125	24	0.01	106	2710	12	6.42	14
103.63	104.64	1.01	24831	<1	0.13	<10	0.02	105	33	<0.01	124	1820	14	3.73	10
104.64	105.86	1.22	24832	<1	0.14	<10	0.03	65	24	0.01	87	2560	16	4.97	10
105.86	106.98	1.13	24833	2	0.08	<10	0.01	50	34	<0.01	137	120	10	2.93	4
117.65	118.57	0.91	24834	<1	0.12	<10	0.01	90	32	0.01	109	140	14	6.04	14
118.57	119.33	0.76	24835	<1	0.16	<10	0.03	65	30	0.01	105	3430	10	3.95	10
119.33	120.09	0.76	24836	<1	0.2	<10	0.05	40	8	0.01	82	7280	10	2.63	4
120.09	121.01	0.91	24837	<1	0.17	<10	0.14	135	24	0.01	92	2740	8	2.32	10
121.01	122.22	1.22	24838	<1	0.13	<10	0.09	75	16	0.01	91	2370	14	2.35	8
122.22	122.99	0.76	24839	<1	0.16	<10	0.07	80	12	0.01	75	2720	18	2.85	8
122.99	123.75	0.76	24840	<1	0.13	<10	0.03	60	20	0.01	94	1520	14	3.25	10
123.75	124.66	0.91	24841	1	0.13	<10	0.03	60	20	0.01	91	1460	14	3.19	12
124.66	125.58	0.91	24842	3	0.16	<10	0.03	45	28	0.01	140	3910	18	4.52	12
125.58	127.41	1.83	24843	<1	0.15	<10	0.77	305	29	0.03	134	1700	24	5.29	12
127.41	128.17	0.76	24844	<1	0.13	<10	0.11	75	7	0.01	33	310	18	2.12	<2

From (m)	To (m)	Length (m)	sample number	Sc (ppm)	Sr (ppm)	Ti (%)	Ti (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)
8.23	9.24	1.01	24801	<1	15	<0.01	<10	<10	46	<10	28
11.89	12.89	1.01	24802	1	18	<0.01	<10	<10	42	<10	198
16.31	17.28	0.98	24803	1	11	<0.01	<10	<10	42	<10	258
20.42	21.34	0.91	24804	1	13	<0.01	<10	<10	62	<10	536
30.48	30.94	0.46	24805	3	70	<0.01	<10	<10	136	<10	412
30.94	31.55	0.61	24806	<1	11	<0.01	<10	<10	50	<10	682
31.55	32.00	0.46	24807	4	119	<0.01	<10	<10	204	<10	700
32.00	33.38	1.37	24808	<1	17	<0.01	<10	<10	47	<10	490
33.38	34.29	0.91	24809	1	65	<0.01	<10	10	174	<10	604
34.29	34.90	0.61	24810	2	63	<0.01	<10	<10	206	<10	516
34.90	35.36	0.46	24811	3	98	<0.01	<10	10	132	<10	442
35.36	36.27	0.91	24812	1	46	<0.01	<10	<10	86	<10	600
36.27	37.19	0.91	24813	2	89	<0.01	<10	<10	116	<10	680
37.19	37.64	0.46	24814	<1	24	<0.01	<10	<10	28	<10	226
37.64	38.10	0.46	24815	3	65	<0.01	<10	10	122	<10	594
49.68	51.82	2.13	24816	1	11	<0.01	<10	<10	17	<10	174
79.86	80.77	0.91	24817	<1	14	<0.01	<10	<10	65	<10	614
92.20	93.12	0.91	24818	<1	23	<0.01	<10	<10	90	<10	938
93.12	94.03	0.91	24819	<1	11	<0.01	<10	<10	85	<10	1300
94.03	94.79	0.76	24820	<1	11	<0.01	<10	<10	82	<10	1130
94.79	95.71	0.91	24821	1	28	<0.01	<10	<10	76	<10	880
95.71	97.08	1.37	24822	2	86	<0.01	<10	<10	100	<10	272
97.08	97.99	0.91	24823	1	38	<0.01	<10	<10	100	<10	374
97.99	99.21	1.22	24824	<1	13	<0.01	<10	<10	68	<10	744
99.21	99.82	0.61	24825	1	59	<0.01	<10	<10	108	<10	596
99.82	100.58	0.76	24826	1	42	<0.01	<10	<10	107	<10	758
100.58	100.89	0.30	24827	3	142	<0.01	<10	10	122	<10	408
100.89	101.50	0.61	24828	<1	11	<0.01	<10	<10	48	<10	226
101.50	102.32	0.82	24829	<1	19	<0.01	<10	10	101	<10	764
102.32	102.38	0.06	391751	7	176	<0.01	<10	10	377	<10	353
102.38	102.57	0.18	391752	1	26	<0.01	<10	<10	127	10	524
102.57	102.72	0.15	391753	3	67	<0.01	<10	<10	210	<10	425
102.72	103.63	0.91	24830	2	67	<0.01	<10	10	213	<10	814
103.63	104.64	1.01	24831	3	64	<0.01	<10	10	137	<10	844
104.64	105.86	1.22	24832	2	89	<0.01	<10	10	94	<10	374
105.86	106.98	1.13	24833	<1	18	<0.01	<10	<10	104	<10	686
117.65	118.57	0.91	24834	1	10	<0.01	<10	<10	18	<10	218
118.57	119.33	0.76	24835	1	36	<0.01	<10	<10	56	<10	346
119.33	120.09	0.76	24836	2	58	<0.01	<10	<10	60	<10	336
120.09	121.01	0.91	24837	1	31	<0.01	<10	<10	132	<10	1370
121.01	122.22	1.22	24838	1	24	<0.01	<10	<10	82	<10	712
122.22	122.99	0.76	24839	1	37	<0.01	<10	<10	101	<10	796
122.99	123.75	0.76	24840	1	35	<0.01	<10	<10	104	<10	976
123.75	124.66	0.91	24841	1	35	<0.01	<10	<10	99	<10	994
124.66	125.58	0.91	24842	2	50	<0.01	<10	10	102	<10	734
125.58	127.41	1.83	24843	4	40	<0.01	<10	<10	161	<10	700
127.41	128.17	0.76	24844	1	14	<0.01	<10	<10	10	<10	104

Hole location: UTM E 583815, UTM N 7104676

Azimut: 210
Angle: -45
Total Depth: 153m

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Hole Angle	Main Lithology	Mineralization	AssayReport	Au (g/t)	Ag (ppm)	Al (%)
T-01	128.17	129.39	1.22	24845	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	0.2	0.36
T-01	129.39	130.15	0.76	24846	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.34
T-01	130.15	130.91	0.76	24847	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.37
T-01	130.91	131.83	0.91	24848	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	0.2	0.39
T-01	131.83	132.89	1.07	24849	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.39
T-01	132.89	133.87	0.98	24850	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.46
T-01	133.87	134.57	0.70	391601	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.41
T-01	134.81	135.64	0.82	391602	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.46
T-01	135.64	136.55	0.91	391603	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.38
T-01	136.55	137.77	1.22	391604	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.4
T-01	137.77	138.68	0.91	391605	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.38
T-01	138.68	139.60	0.91	391606	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.3
T-01	139.60	140.67	1.07	391607	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.36
T-01	140.67	141.64	0.98	391608	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.34
T-01	141.64	142.65	1.01	391609	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.36
T-01	142.65	143.56	0.91	391610	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	0.04	<0.2	0.35
T-01	143.87	145.45	1.58	391611	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.34
T-01	145.45	146.46	1.01	391612	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.37
T-01	146.46	147.52	1.07	391613	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.34
T-01	147.52	148.44	0.91	391614	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.38
T-01	148.44	149.44	1.01	391615	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	0.01	<0.2	0.33
T-01	149.44	150.42	0.98	391616	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.35
T-01	150.42	151.33	0.91	391617	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.33
T-01	151.33	152.25	0.91	391618	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.31
T-01	152.25	153.01	0.76	391619	45	Synsed Brxx	5-10 Avg to 80% Py Locally	A0220836	<0.01	<0.2	0.34

From (m)	To (m)	Length (m)	sample number	As (ppm)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
128.17	129.39	1.22	24845	14	<10	100	<0.5	<2	0.19	<0.5	10	106	27	1.88	<10
129.39	130.15	0.76	24846	18	<10	110	<0.5	2	0.31	<0.5	10	92	31	1.94	<10
130.15	130.91	0.76	24847	18	<10	90	<0.5	<2	0.66	<0.5	11	88	29	2.53	<10
130.91	131.83	0.91	24848	28	<10	20	<0.5	<2	0.28	<0.5	16	74	47	5.06	<10
131.83	132.89	1.07	24849	12	<10	80	0.5	<2	0.09	<0.5	17	27	33	2.3	<10
132.89	133.87	0.98	24850	4	<10	70	0.5	<2	0.25	<0.5	13	55	28	2.69	<10
133.87	134.57	0.70	391601	6	<10	30	<0.5	<2	0.61	0.5	14	56	38	6.37	<10
134.81	135.64	0.82	391602	12	<10	30	0.5	6	0.28	<0.5	18	27	24	4.28	<10
135.64	136.55	0.91	391603	10	<10	120	0.5	<2	0.26	<0.5	18	36	31	1.46	<10
136.55	137.77	1.22	391604	8	<10	150	0.5	<2	0.27	<0.5	9	46	27	0.91	<10
137.77	138.68	0.91	391605	6	<10	110	0.5	<2	0.08	<0.5	14	24	46	1.69	<10
138.68	139.60	0.91	391606	8	<10	90	<0.5	<2	0.25	<0.5	11	73	32	1.9	<10
139.60	140.67	1.07	391607	12	<10	70	<0.5	<2	0.11	<0.5	12	67	35	2.15	<10
140.67	141.64	0.98	391608	12	<10	90	<0.5	2	0.17	<0.5	13	61	29	2.09	<10
141.64	142.65	1.01	391609	16	<10	50	<0.5	<2	0.11	<0.5	12	66	37	3.75	<10
142.65	143.66	0.91	391610	14	<10	60	<0.5	<2	0.13	<0.5	12	44	35	3.26	<10
143.87	145.45	1.58	391611	14	<10	90	<0.5	<2	0.16	<0.5	12	58	29	2.69	<10
145.45	146.46	1.01	391612	14	<10	50	0.5	<2	0.23	<0.5	19	48	35	3.47	<10
146.46	147.52	1.07	391613	10	<10	180	0.5	2	0.13	<0.5	11	40	38	1.06	<10
147.52	148.44	0.91	391614	12	<10	170	0.5	<2	0.12	<0.5	11	47	36	1.51	<10
148.44	149.44	1.01	391615	16	<10	80	0.5	<2	0.25	<0.5	17	76	46	3.08	<10
149.44	150.42	0.98	391616	10	<10	170	0.5	<2	0.1	<0.5	8	74	28	1.02	<10
150.42	151.33	0.91	391617	10	<10	150	<0.5	<2	0.16	<0.5	12	85	41	1.07	<10
151.33	152.25	0.91	391618	8	<10	110	<0.5	<2	0.38	<0.5	10	70	20	2.46	<10
152.25	153.01	0.76	391619	4	<10	40	0.5	<2	0.3	<0.5	17	36	42	3.64	<10

From (m)	To (m)	Length (m)	sample number	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	S (%)	Sb (ppm)
128.17	129.39	1.22	24845	<1	0.15	<10	0.27	110	3	0.01	25	290	16	2.01	<2
129.39	130.15	0.76	24846	<1	0.14	<10	0.48	195	4	0.01	26	160	16	2.05	<2
130.15	130.91	0.76	24847	<1	0.15	<10	0.33	145	5	0.01	27	120	20	2.82	<2
130.91	131.83	0.91	24848	<1	0.18	<10	0.16	75	6	0.01	58	160	32	5.92	<2
131.83	132.89	1.07	24849	<1	0.2	<10	0.09	35	<1	0.01	38	260	14	2.58	<2
132.89	133.87	0.98	24850	<1	0.17	<10	0.5	200	1	0.01	24	270	12	2.91	<2
133.87	134.57	0.70	391601	<1	0.11	<10	1.1	480	<1	0.01	30	120	20	7.72	<2
134.81	135.64	0.82	391602	<1	0.19	<10	0.65	200	<1	0.01	33	240	14	4.91	<2
135.64	136.55	0.91	391603	<1	0.16	<10	0.61	180	<1	0.01	36	160	10	1.35	<2
136.55	137.77	1.22	391604	<1	0.18	<10	0.28	70	<1	0.02	19	190	10	0.81	<2
137.77	138.68	0.91	391605	<1	0.21	<10	0.13	40	<1	0.02	23	170	14	1.74	<2
138.68	139.60	0.91	391606	<1	0.14	<10	0.18	50	2	0.01	25	160	16	1.96	<2
139.60	140.67	1.07	391607	<1	0.15	<10	0.15	50	2	0.02	24	230	20	2.25	<2
140.67	141.64	0.98	391608	<1	0.16	<10	0.27	95	3	0.02	28	210	20	2.09	<2
141.64	142.65	1.01	391609	<1	0.14	<10	0.2	65	3	0.01	28	170	28	4.13	<2
142.65	143.56	0.91	391610	<1	0.16	<10	0.23	70	1	0.02	28	120	16	3.44	<2
143.87	145.45	1.58	391611	<1	0.15	<10	0.27	110	2	0.02	25	230	20	2.64	<2
145.45	146.46	1.01	391612	<1	0.17	<10	0.38	175	2	0.02	39	270	20	3.39	<2
146.46	147.52	1.07	391613	<1	0.18	<10	0.23	90	<1	0.02	27	160	16	0.66	<2
147.52	148.44	0.91	391614	<1	0.19	<10	0.33	135	1	0.03	18	220	14	0.8	<2
148.44	149.44	1.01	391615	<1	0.16	<10	0.34	165	1	0.02	23	160	24	2.79	<2
149.44	150.42	0.98	391616	<1	0.17	<10	0.22	95	1	0.02	14	250	14	0.45	<2
150.42	151.33	0.91	391617	<1	0.16	<10	0.25	135	3	0.02	24	290	16	0.5	<2
151.33	152.25	0.91	391618	<1	0.14	<10	0.42	275	<1	0.02	19	220	22	2.11	<2
152.25	153.01	0.76	391619	<1	0.18	<10	0.45	275	<1	0.02	29	240	18	3.45	<2

From (m)	To (m)	Length (m)	sample number	Sc (ppm)	Sr (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)
128.17	129.39	1.22	24845	1	14	<0.01	<10	<10	7	<10	74
129.39	130.15	0.76	24846	1	15	<0.01	<10	<10	7	<10	78
130.15	130.91	0.76	24847	1	17	<0.01	<10	<10	9	<10	120
130.91	131.83	0.91	24848	1	18	<0.01	<10	<10	9	<10	148
131.83	132.89	1.07	24849	1	21	<0.01	<10	<10	4	<10	72
132.89	133.87	0.98	24850	3	22	<0.01	<10	<10	8	<10	54
133.87	134.57	0.70	391601	3	17	<0.01	<10	<10	9	<10	62
134.81	135.64	0.82	391602	3	28	<0.01	<10	<10	8	<10	74
135.64	136.55	0.91	391603	3	33	<0.01	<10	<10	6	<10	42
136.55	137.77	1.22	391604	1	39	<0.01	<10	<10	5	<10	36
137.77	138.68	0.91	391605	1	25	<0.01	<10	<10	6	<10	58
138.68	139.60	0.91	391606	1	31	<0.01	<10	<10	5	<10	48
139.60	140.67	1.07	391607	1	29	<0.01	<10	<10	5	<10	68
140.67	141.64	0.98	391608	1	31	<0.01	<10	<10	6	<10	80
141.64	142.65	1.01	391609	1	27	<0.01	<10	<10	5	<10	50
142.65	143.56	0.91	391610	1	29	<0.01	<10	<10	6	<10	34
143.87	145.45	1.58	391611	1	36	<0.01	<10	<10	4	<10	48
145.45	146.46	1.01	391612	1	42	<0.01	<10	<10	5	<10	164
146.46	147.52	1.07	391613	1	33	<0.01	<10	<10	5	<10	28
147.52	148.44	0.91	391614	1	30	<0.01	<10	<10	5	<10	46
148.44	149.44	1.01	391615	1	28	<0.01	<10	<10	5	<10	60
149.44	150.42	0.98	391616	1	29	<0.01	<10	<10	5	<10	54
150.42	151.33	0.91	391617	3	29	<0.01	<10	<10	5	<10	50
151.33	152.25	0.91	391618	1	29	<0.01	<10	<10	5	<10	58
152.25	153.01	0.76	391619	2	33	<0.01	<10	<10	5	<10	86

DIAMOND DRILL LOG

CLAIM NO: Tanner # 4

PROJECT: Tanner

Area		Latitude	Bearing 030°		Date Started			Hole No. T02-02				
Contractor Caren		Departure	Inclination @ collar 45°		Date Completed June 28			Logged by JP				
Core Size TW BQ		Elevation	(m A.S.L.)		Total Length 502 ft 153 m.			Sheet 1/7				
FROM (m)	TO (m)	RECOVERY INTERVAL (%)	GEOLOGICAL DESCRIPTION		Py %	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	ANALYSES		
0	57'	>2%	overblenden to muddy graphitic shales, overall recovery <2%							So	Si	Au (g/tonne)
57-	70	40%	57-92 ft weakly to moderately graphitic black mudstones/argillites w weak to moderate Py banding (So). Recovery						57 ft	45°?	0°?	
70	71	60%	generally poor (broken pieces to 1 1/2" to "rotten chips"). Rx competence		2-4				63 ft	90°	0°	
71	73	70%	increased towards 90-92 ft, along w/ Py content.		2-4				68 ft	45°	45°	
73	74.5	70%	Rx competent 92 to 110, weakly graphitic Py 6-10%		2-4				74.5	50°	50°	
74.5	76.5	80%	TYPE SAMPLE @ 94.5 to 97.7 → 3A1620		2-4	351620	94.5	97.7	84	45°	45°	
76.5	78	80%	1.5 ft section 108 → 109.5 semi massive (30-40%) laminated		2-4				86	0°	90°	
78	80.5	226%	Py section (PHOTO), similar to T-01-02 sections		2-6	351621	108	109.5	88	45°	45°	
80.5	82	"	110 to 115		2-4				94.5	35°	35°	
82	84	80			24				99	55°	55°	
84	85	80			24							
85	86	100							102	55°	55°	
86	90	>95			4-6				104	55	55	
90	92	>95			6-8				109	65	65	
92	94.5	>95			6-8				111	?	35°?	
94.5	99	>95			6-8				113	45°	45°	
99	102	100			6-8				115	40°	40°	
102	107	"			6-8							
107	109	"			10-40							
109	111	"			5-30							
111	113	"			6-8							
113	115	"			6-8							

Box 1

Box 2

Box 3

Box 4

DIAMOND DRILL LOG

CLAIM NO:

PROJECT:

Area		Latitude		Bearing		Date Started		Hole No. T 02/02					
Contractor		Departure		Inclination @ collar		Date Completed 28/06		Logged by JP					
Core Size		Elevation (m A.S.L.)		Inclination @ _____ m, _____ m,		Total Length 502 m.		Sheet 2/7					
FROM (m)	TO (m)	RECOVER. INTERVAL (m)	GEOLOGICAL DESCRIPTION			PV % REC	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	So S ANALYSES		
											Au (oz/ton)	Si	Au (g/tonne)
115	117	>80	115 to 136.5 - black argillites/mudstones, moderately to strongly			2-4				120.5	30°	30° //	
117	118	>80	graphitic, weakly to well defined by so bands up to 0.5cm. Recovery			2-6				122.5	20°	20° //	S ₂ ?
118	120.5	>80	Poor (muddy, chips), local areas of Bx + Qz Flooding/Veining up to			4-6				127.5	30°	30° //	
120.5	122.5	>80	1 ft. @ 118-118.5, 124.5-125, 125.5-126, 127.5 - 129.5, 134.5-137			2-4							
122.5	125	>80				2-4				132.5	50°	50° //	
125	127.5	>80	136.5 to 165 Baritic, Pyritic bedded/laminated shales			2-4				139	45°	45° //	
127.8	128.5	>80	Barite Rich laminae light gray color w/ darker muds between			2-4				144	40°	40° //	
128.5	129.5	>90	layers 1 to 3mm thick w Bx rich layers up to 5mm locally			4-6							
129.5	131	50%	loss of core	Py Present, f. gr, 5-15% overall, possibly higher but		6-8	391622	136.5	139.7	147.5	35°	35° //	
131	132.5	60%	Around Qz	difficult to evaluate due to fine grain size + dark muddy		6-8	623	139.7	143	155	60°	60° //	
132.5	135	75%	Veining	matrix. Qz veining +/- fracturation common through interval		6-8	624	143	146.3	157.5	0°	20° Y	
135	139	>90	(total < 5% Rx). section more competent than shales.			5-15	625	146.3	149.5	164	0°	35° Y	
139	145	100%				5-15	626	149.5	152.8	171.5	10°	45 Y	
145	147.5	"	165 to 176 black argillites, As 115 to 136.5			5-15	627	152.8	155	175.5	20°	20° //	
147.5	151	"				5-15	628	155	157.3				
151	155	"				5-15	629	157.3	160.5				
155	157.5	"				"	630	160.5	163.7				
157.5	160	"				"	631	163.7	167				
160.5	164	"				"							
164	168.5	"				5-15							
168.5	171.5	"				4-8							
171.5	174	"				4-8							
174	175.5	"				4-8							

Box 5

Box 6

Box 7

Box 8

DIAMOND DRILL LOG

CLAIM NO:

PROJECT:

Area	Latitude	Bearing	Date Started	Hole No. T02-02
Contractor	Departure	Inclination @ collar	Date Completed	Logged by JP
Core Size	Elevation (m A.S.L.)	Inclination @ _____ m, Inclination @ _____ m,	Total Length 502 ft m.	Sheet 3/7

FROM (m)	TO (m)	INTERVAL (m)	GEOLOGICAL DESCRIPTION	% REC	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	So ANALYSES	Au (g/tonne)
175.5	178	100	175.5 to 199.5 black mudstones w/minor clay alter. overall	2-4				178	20-10°	20° Y
178	180.5	"	weakly graphitic. weakly to moderately foliated. Py banding	2-4				180	20°	50° Y
180.5	183.5	"	weak to moderate, generally widely spaced 1-2m bands per	2-4				185	0°	60° Y
183.5	188.5	"	4-5cm sections. some @ 2m intervals along S1, few bands	2-4				190	30°	60° Y
188.5	191.5	"	of coarse Py. often banded along S1/S2. Generally fairly	2-4				191.5	60°	60° Y
			competent, good to excellent recovery.	2-4				196.5	70°	70° Y
191.5	196.5	"		2-4				203	65°	65° Y
196.5	199.5	"	Py/sulph content increases @ 199.5 to 6-8%, // So in slightly	6-8						
199.5	203	"	harder, more competent sequence of silty mudstone. Sampled	6-8				208	70°	45° Y
203	207.2	"	203 to 206.3 for background check 391632.	6-8	391632	203	206.2	212	80°	35° Y
								220.6	55°	55° Y
207.2	208	90%	207.2 to 212, as above, black mudstone, weakly to locally moderately	6-10	391633	208.7	212	225	45°	45° Y
208	212	>80%	graphitic, Ford S1 Partings, 6-10% Py overall in thin (1-2mm) So bands	6-10	634	212	215.3	235	40°	40° Y
212	215	>95%	as well as disseminated through mud and as f. gr. massive Py bands 2-3mm	10-25	635	215.3	218.6			
215	220.5	"	across.	5-15	636	218.6	221.9			
220.5	224	"	212 to 234 Fine grained black mudstones w/ locally light gray beds/bands	5-15	637	225.2	228.5			
			up to 1cm thick, appears to be knick beds but strong clay alteration present.		638	228.5	231.8			
224	229	>95%	Py beds fold break and boudin out locally giving interval a brex like	5-15	639	231.8	235.1			
229	231	"	Texture (black matrix w/ grey sub angular "clasts". Fgr. Py throughout in matrix	"	640	235.1	238.4			
231	234	"	and in thin beds as well as Py clasts + recrystallized clasts. Section from	"	641	238.4	241.7			
234	239	"	214 to 219 w/ thick (up to 5cm) massive Py bands w/ classical suture	5-10						
239	241.5	"	style bedding in black mudstone +/- ba bands & soft sediment deformation	5-15						
			texture (photos). occasional bands of coarser sds through							
			mud (greuwackes) w/ grains/clasts up to 5mm, sub angular. SST intervals 234-239							
			often brex w Py infilling along fractures.							

Box 9

Box 10

Box 11

Box 12

CLAIM NO: Tenner

PROJECT:

Area		Latitude		Bearing		Date Started		Hole No. T02-02					
Contractor		Departure		Inclination @ collar		Date Completed		Logged by JP					
Core Size		Elevation (m A.S.L.)		Inclination @ m		Total Length m		Sheet 4/7					
FROM (m)	TO (m)	INTERVAL (m)	GEOLOGICAL DESCRIPTION			% REC.	SAMPLE NO.	FROM (m)	TO (m)	LENGTH (m)	ANALYSES		
											Au (oz/ton)	Si	Au (g/tonne)
241.5	244.5	80%	241.5 to 317.5 → Synsed brxx w black mudstone matrix &			5-15	SHANE	15 SAMPLE	10ES FROM HERE				
244.5	247	>85	dominantly Ba → alt'd to clay broken bands and clasts. locally			"				247	?	50°	
247	249.5	>95	Greywacke intervals and clasts. Interval from 241.5 to 317.5 shows			"				250	55°	55°//	
249.5	254.5	>90	excellent synsed brxx relationship w/ brxx bands 1cm to 10ft			"				254.5	50°	50°//	
254.5	256.5	>95	alternating w more quiescent periods represented by undisturbed,			"				256.5	45	45°//	
256.5	258	75	well bedded mudstones w/ Py + Ba bands as well as sandstone intervals			"				258	60	60°//	
258	261	>90	Amount of sulphides generally difficult to evaluate due to fine gr			"				264.5	50°	90° Y	
261	264.5	>95	Sulphur (diss+ bands) in black mud matrix, presence of variable			"				268.5	76	80° ?	
264.5	268.5	100	% of mineralized/unmineralized clasts as well as presence of clasts			"				271.5	50°	65° Y	
268.5	271.5	>80	1cm to 10cm of massive Py in brxx. Generally the brxx can			10-20							
271.5	274	>95	host 5-20% sulphides but individual intervals can vary from 0-2%			5-15							
			to 20-30% over norm. individual bands or beds of Py can be 1cm to							276	90°	35° Y	
274	276	>95	4cm thick. Sulphide TYPES (S) as described for T01-02			10-25				278.5	50°	50°//	
276	278.5	75%	271.5 → PHOTO/video small 3cm band brxx w well bedded bands above/			10-25				289	90°	60° Y	
278.5	282	75%	below. evidence for synsed brxx. local areas of Qz veining +1-Ce,			5-10				295	65°	65°//	
282	285	75%	Generally in areas of poor recovery. Abundant Qz between 284 to			5-10							
285	288	75%	295			5-15				305	70°	70°//	
288	292	75%				5-15				312	??	50°//	
292	295	50%				5-10				316	?	50°	
295	297	50%				5-10							
297	300	10%				5-10							
300	302					5-10							
302	304					5-10							
304	305.5					5-10							
305.5	307.5					5-15							
307.5	309					"							
309	310.5					"							
310.5	314					"							
314	318					"							

Box 13

Box 14

Box 15

Box 16

DIAMOND DRILL LOG

CLAIM NO:

PROJECT:

Area	Latitude	Bearing	Date Started	Hole No. T02-02
Contractor	Departure	Inclination @ collar	Date Completed	Logged by JP
Core Size	Elevation (mA.S.L.)	Inclination @ _____ m, Inclination @ _____ m,	Total Length _____ m.	Sheet 5/2

FROM (m)	TO (m)	RECOVERY INTERVAL (m)	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	ANALYSES		
									Au (oz/ton)	Si	Au (g/tonne)
318	320	>80	318-359, brxx, as above, overall less brittle and more py rich	5-10				320	080	70° Y	
320	322	>80	black mud matrix supported brxx (Photo at 343), starting @ TL-328ft	5-15				328	?	?	
322	324	>96	sandy intervals more common, at 324-326.5, 340-341, 342-343, 351.7 to	5-15				332	0°	0° // ?	
324	326	>90	352.7. Stray clay detn throughout. absent to weak graphite	5-10				338	86°	80° //	
326	328	>90	357 → 386	5-15				344	35	35° //	
328	330	80%	mixed brxx, mudstone and dominantly dark grey to black	10-70				352	60	60° //	
330	332	>95	chloritic sst. fine to med gr. sst 70-80% clean to white (strained)	10-20				360	45	45° //	
332	335	>80	Qz grains w 5-15% chloritic f.gr. matrix and 5-10% clefts, up to	10-20				375	65°	65° //	
335	340	>95	4-5cm, mostly angular angillite (21P upclasts) but also possible	10-20				382	50°	30° Y	
340	342	>95	clasts of intrusive rx (biorite or act'd gabbro) in section from 380 to 384.	10-20				386	221	80° Y	
342	344	>95	large 5cm Sulphide (Py) clast @ 360.3 (part of sample 391678) →	10-26							
344	348	>95	PHOTO	10-25							
348	352	>95	MASSIVE Py lenses (well crystallized ^{For massive} orange py) c. 362 - 3cm,	10-20							
352	353	>95	366 - 2cm, 370 - 5cm (euhedral crystals 1-3mm 80% in Qz clean to white,	10-20							
353	355.5	"	sharp contacts above/below w/ brxx) → PHOTO	5-15							
355.5	357	"		4-8							
357	360	"	386 → 437 black, moderately to locally strongly graphitic	5-10							
360.5	365.5	"	mudstone. see next page	5-10							
365.5	370.5	"		5-10							
370.5	375.5	"		4-8							
375.5	381	"		4-8							
381	386	"		4-8							
386	387	"		4-8							

Box 17

Box 18

Box 19

Box 20

CLAIM NO:

PROJECT:

Area			Latitude	Bearing	Date Started		Hole No. T-02-02					
Contractor			Departure	Inclination @ collar	Date Completed		Logged by JP					
Core Size			Elevation (m A.S.L.)	Inclination @ _____ m, _____ i.	Total Length 502 FT. m.		Sheet 6/7					
FROM (m)	TO (m)	INTERVAL (m)	GEOLOGICAL DESCRIPTION		% REC	SAMPLE NO.	FROM (m)	TO (m)	LENGTH (m)	ANALYSES		
										Au (oz/ton)	Si	Au (g/tonne)
387	388.5	>90	387 → 438.5 black carbonaceous f.gr mudstone, w/ moderate		2-4				388.5	?	50°	
388.5	392	>90	to strictly granular w/ abt white speckles 1-3mm of white		"				395	55°?	55° //	
392	395	>80	Qz, often as shadows on small Pt crystals. Bedding indistinct		"				402	?	50°	Crenulated
395	398.5	50%	due to Fgr (massive) nature of mud.		"				407.5	?	45°	
398.5	398	>60	Recovery very poor 392 → 403.5		"				411.5	?	50°	
398	400	>70	overall low Pt content except section from 413 to 415 where		"				414.5	??	55° y	
400	402	>90	F gr purple bands + Grey barite bands are noted. Pt bands		"				418.5	?	85°	
402	403.5	>90	show typical soft sed def and are "nicked" by hole.		"				422	?	65°	
403.5	407.5	>95			2-4				427.5	?	85°	
407.5	411.5	>95	So bedding starts being visible again @ 41-432 ft		2-4				432		75° crenulated	
411.5	415.5	>95	White bull Qz veining to 2mm over section from 429 to 436		2-8				436	??	35° ±	Serial Planar
415.5	418.5	>95	(Overall 1/-50% of section). No subclasts visible in Qz		2-4							
418.5	422	"	C 438.5. Contact w/ underlying unit to ECH		"				440	80°	?	
422	427.5	"	Contact appears sharp but continuous to		"				444.5	50°	?	
427.5	429	"	Bedded barite + Pyritic black mudstone unit.		"				449	55°	?	
429	432	"	Well laminated unit. Laminates <1mm to 2cm w bands of		"				453	60°	?	
432	436	"	black, v.fine mudstone w/ abt fine gr py + small crystals w		"							
436	441	100%	silvery metallic sheen (only seen when core dry, when wet Pt bands		2-8							
441	444.5	"	and Pt in matrix become more apparent) alternating w/ white.		2-8							
444.5	449	"	Bands of semi massive to massive barite w local inclusions		2-8							
449	452	"	452 crystalline masses observed (bedded crystals). Pt content		2-8							
452	454.5	"	locally varies between 20% to 80%. Core generally more		2-8							
			competent and so foliation diminishes: other sec weakly									
			to absently developed. Core heavy and appears to									
			have a siliceous component (synch exhalat si ??)									

DIAMOND DRILL LOG

CLAIM NO:

PROJECT:

Area		Latitude	Bearing	Date Started	Hole No.						
Contractor		Departure	Inclination @ collar	Date Completed	Logged by						
Core Size		Elevation (m A.S.L.)	Inclination @ _____ m,	Total Length _____ m.	Sheet						
FROM (m)	TO (m)	RECOVERED INTERVAL (m)	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM (m)	TO (m)	AT LENGTH (m)	S _o Au (oz/ton)	S ₁	Au S _x (g/tonne)
454.5	457	100%	@ 452 20cm interval massive locally recryst banded								
457	460		vein.					460	150°		
460	465		Overall sulphide content difficult to evaluate due to v. var					465	40°		
465	470		crystal size + IF schizomorphous, it may be					470	35°		
470	472		black & mottled with background mud.					474.5	30°		
472	474.5		Interval interpreted as recryst quartz known deposition to					482	15°		
475.5	479		hydrothermal component. weakly to very moderately					487	0°		
479	482		graphitic throughout.					492	0°		
482	487							494	30°		
487	490							497	20°		
490	492							500	0-45°		
492	497										
497	502	✓						502	85°		

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Hole Angle	Main Lithology	Mineralization	AssayReport	Au (g/t)	Ag (ppm)	Al (%)	As (ppm)	B (ppm)	Ba (ppm)
T-02	28.80	29.78	0.98	391620	45	Black shale	2-4% Py	A0220836	0.01	1.4	0.41	118	<10	30
T-02	32.92	33.38	0.46	391621	45	Black shale	30-40% Pyrite, Laminated, Ba	A0220836	0.01	3.8	0.31	240	<10	10
T-02	41.61	42.58	0.98	391622	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	1	0.19	118	<10	80
T-02	42.58	43.59	1.01	391623	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	1	0.2	104	<10	90
T-02	43.59	44.59	1.01	391624	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	1.4	0.22	144	<10	60
T-02	44.59	45.57	0.98	391625	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	1	0.22	150	<10	40
T-02	45.57	46.57	1.01	391626	45	Black shale	5-15% Py, laminated, Ba	A0220836	0.02	1	0.25	136	<10	60
T-02	46.57	47.24	0.67	391627	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	0.6	0.2	70	<10	80
T-02	47.24	47.95	0.70	391628	45	Black shale	5-15% Py, laminated, Ba	A0220836	0.03	1	0.23	132	<10	30
T-02	47.95	48.92	0.98	391629	45	Black shale	5-15% Py, laminated, Ba	A0220836	0.07	0.8	0.23	146	<10	20
T-02	48.92	49.90	0.98	391630	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	1.2	0.23	212	<10	30
T-02	49.90	50.90	1.01	391631	45	Black shale	5-15% Py, laminated, Ba	A0220836	<0.01	0.8	0.18	102	<10	60
T-02	61.87	62.85	0.98	391632	45	Silty mudstone	6-8% Py	A0220836	<0.01	1	0.3	140	<10	30
T-02	63.61	64.62	1.01	391633	45	black mudstone	6-10% Py	A0220836	0.01	1	0.33	148	<10	10
T-02	64.62	65.62	1.01	391634	45	black mudstone	5-15% Py, massive bands to 5 cm	A0220836	<0.01	0.2	0.34	28	<10	20
T-02	65.62	66.63	1.01	391635	45	black mudstone	5-15% Py massive bands to 5cm	A0220836	<0.01	<0.2	0.36	24	<10	10
T-02	66.63	67.64	1.01	391636	45	black mudstone	5-15% Py	A0220836	<0.01	<0.2	0.4	22	<10	40
T-02	68.64	69.65	1.01	391637	45	black mudstone	5-15% Py	A0220836	<0.01	<0.2	0.54	26	<10	50
T-02	69.65	70.65	1.01	391638	45	black mudstone	5-15% Py	A0220836	<0.01	<0.2	0.4	20	<10	60
T-02	70.65	71.66	1.01	391639	45	black mudstone	5-10% Py	A0220836	<0.01	<0.2	0.45	22	<10	50
T-02	71.66	72.66	1.01	391640	45	black mudstone	5-10% Py	A0220836	<0.01	<0.2	0.27	18	<10	50
T-02	72.66	73.67	1.01	391641	45	sandstone	5-15% Py	A0220836	<0.01	<0.2	0.35	10	<10	60
T-02	73.61	74.62	1.01	391642	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.31	14	<10	70
T-02	74.62	75.62	1.01	391643	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.28	24	<10	60
T-02	75.62	76.63	1.01	391644	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.37	14	<10	120
T-02	76.63	77.63	1.01	391645	45	Syns Brxx	5-15% Py	A0220836	<0.01	0.2	0.34	26	<10	60
T-02	77.63	78.64	1.01	391646	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.37	8	<10	130
T-02	78.64	79.64	1.01	391647	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.37	14	<10	100
T-02	79.64	80.65	1.01	391648	45	Syns Brxx	5-15% Py	A0220836	<0.01	0.2	0.37	22	<10	50
T-02	80.65	81.66	1.01	391649	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.33	16	<10	70
T-02	81.66	82.66	1.01	391650	45	Syns Brxx	10-20% Py	A0220836	<0.01	0.2	0.32	22	<10	30
T-02	82.66	83.67	1.01	391651	45	Syns Brxx	10-25% py	A0220836	<0.01	<0.2	0.38	18	<10	60
T-02	83.67	84.67	1.01	391652	45	Syns Brxx	10-25% py	A0220836	0.01	<0.2	0.26	20	<10	40
T-02	84.67	85.68	1.01	391653	45	Syns Brxx	5-10% Py	A0220836	<0.01	0.2	0.29	20	<10	20
T-02	85.68	86.69	1.01	391654	45	Syns Brxx	5-10% Py	A0220836	0.03	<0.2	0.28	26	<10	60
T-02	86.69	87.69	1.01	391655	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.29	30	<10	60
T-02	87.69	88.70	1.01	391656	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.27	12	<10	160
T-02	88.70	89.70	1.01	391657	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.26	14	<10	230
T-02	89.70	90.71	1.01	391658	45	Syns Brxx	5-10% Py	A0220836	<0.01	0.2	0.27	26	<10	190
T-02	90.71	91.71	1.01	391659	45	Syns Brxx	5-10% Py	A0220836	0.02	<0.2	0.39	10	<10	230
T-02	91.71	92.72	1.01	391660	45	Syns Brxx	5-10% Py	A0220836	<0.01	<0.2	0.29	18	<10	80
T-02	92.72	93.73	1.01	391661	45	Syns Brxx	5-15% Py	A0220836	<0.01	0.2	0.29	38	<10	40
T-02	93.73	94.73	1.01	391662	45	Syns Brxx	5-15% Py	A0220836	<0.01	0.2	0.28	34	<10	50
T-02	94.73	95.74	1.01	391663	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.31	34	<10	10
T-02	95.74	96.74	1.01	391664	45	Syns Brxx	5-15% Py	A0220836	<0.01	0.2	0.31	34	<10	50
T-02	96.74	97.75	1.01	391665	45	Syns Brxx	5-15% Py	A0220836	0.03	<0.2	0.32	26	<10	60
T-02	97.75	98.76	0.98	391666	45	Syns Brxx	5-10% Py	A0220836	<0.01	<0.2	0.3	18	<10	160
T-02	98.76	99.76	1.01	391667	45	Syns Brxx	5-15% Py	A0220836	0.15	<0.2	0.19	22	<10	70
T-02	99.76	100.77	1.01	391668	45	Syns Brxx	10-20% Py	A0220836	<0.01	<0.2	0.29	18	<10	40
T-02	100.77	101.77	1.01	391669	45	Syns Brxx	10-20% Py	A0220836	<0.01	<0.2	0.42	36	<10	40
T-02	101.77	102.78	1.01	391670	45	Syns Brxx	10-20% Py	A0220836	<0.01	<0.2	0.42	24	<10	40
T-02	102.78	103.78	1.01	391671	45	Syns Brxx	10-20% Py	A0220836	<0.01	<0.2	0.33	20	<10	40
T-02	103.78	104.79	1.01	391672	45	Syns Brxx	10-20% Py	A0220836	0.01	<0.2	0.32	14	<10	100
T-02	104.79	105.80	1.01	391673	45	Syns Brxx	10-25% Py	A0220836	<0.01	<0.2	0.4	16	<10	50

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppm)	K (%)	La (ppm)	Mg (%)
T-02	28.80	29.78	0.98	391620	1	<2	1.22	2.5	21	41	97	4.73	<10	<1	0.09	<10	0.62
T-02	32.92	33.38	0.46	391621	<0.5	2	0.1	8.5	7	84	121	9.36	<10	<1	0.08	<10	0.01
T-02	41.61	42.58	0.98	391622	<0.5	<2	0.01	6	11	156	57	2.23	<10	<1	0.06	<10	0.01
T-02	42.58	43.59	1.01	391623	<0.5	2	<0.01	2	10	143	47	2.15	<10	<1	0.07	<10	<0.01
T-02	43.59	44.59	1.01	391624	<0.5	4	<0.01	9	12	128	64	2.57	<10	<1	0.07	<10	0.01
T-02	44.59	45.57	0.98	391625	<0.5	<2	<0.01	4	11	113	58	3.13	<10	<1	0.08	<10	<0.01
T-02	45.57	46.57	1.01	391626	<0.5	<2	<0.01	7.5	11	127	60	2.55	<10	<1	0.08	<10	<0.01
T-02	46.57	47.24	0.67	391627	<0.5	<2	<0.01	13	6	136	42	1.56	<10	<1	0.06	<10	<0.01
T-02	47.24	47.95	0.70	391628	<0.5	2	<0.01	7	11	102	43	3.01	<10	<1	0.09	<10	<0.01
T-02	47.95	48.92	0.98	391629	<0.5	<2	<0.01	19.5	10	153	45	2.78	<10	<1	0.05	<10	<0.01
T-02	48.92	49.90	0.98	391630	<0.5	<2	<0.01	3	13	121	64	3.95	<10	1	0.07	<10	<0.01
T-02	49.90	50.90	1.01	391631	<0.5	<2	<0.01	2	6	151	35	2.05	<10	<1	0.05	<10	<0.01
T-02	61.87	62.85	0.98	391632	<0.5	<2	0.05	2.5	11	65	60	3.67	<10	<1	0.11	<10	0.01
T-02	63.61	64.62	1.01	391633	<0.5	<2	0.01	5.5	17	44	84	6.6	<10	<1	0.12	<10	0.01
T-02	64.62	65.62	1.01	391634	0.5	2	0.12	<0.5	16	45	40	4.53	<10	<1	0.16	<10	0.07
T-02	65.62	66.63	1.01	391635	<0.5	<2	0.41	<0.5	17	26	42	5.75	<10	<1	0.19	<10	0.21
T-02	66.63	67.64	1.01	391636	<0.5	<2	1.64	<0.5	13	62	31	3.14	<10	<1	0.17	<10	0.66
T-02	68.64	69.65	1.01	391637	0.5	8	6.1	0.5	10	29	32	3.68	<10	1	0.19	<10	3.45
T-02	69.65	70.65	1.01	391638	<0.5	4	2.79	<0.5	12	35	28	3.15	<10	1	0.18	<10	1.53
T-02	70.65	71.66	1.01	391639	0.5	<2	7.58	0.5	9	29	25	3.33	<10	1	0.13	<10	4.38
T-02	71.66	72.66	1.01	391640	<0.5	4	1.8	<0.5	10	103	27	2.91	<10	1	0.11	<10	0.97
T-02	72.66	73.67	1.01	391641	<0.5	<2	1.21	<0.5	9	77	21	2.42	<10	<1	0.15	<10	0.62
T-02	73.61	74.62	1.01	391642	<0.5	<2	0.72	<0.5	10	81	21	1.86	<10	<1	0.14	<10	0.31
T-02	74.62	75.62	1.01	391643	<0.5	2	0.11	<0.5	8	45	27	2.22	<10	<1	0.16	<10	0.02
T-02	75.62	76.63	1.01	391644	<0.5	<2	0.06	<0.5	7	38	18	1.14	<10	<1	0.22	<10	0.04
T-02	76.63	77.63	1.01	391645	<0.5	<2	0.03	<0.5	14	45	31	2.75	<10	<1	0.2	<10	0.05
T-02	77.63	78.64	1.01	391646	<0.5	<2	0.03	<0.5	4	38	24	1.24	<10	<1	0.23	<10	0.06
T-02	78.64	79.64	1.01	391647	<0.5	2	0.21	<0.5	10	29	29	1.81	<10	<1	0.23	<10	0.2
T-02	79.64	80.65	1.01	391648	<0.5	2	0.02	<0.5	11	25	41	3.36	<10	<1	0.22	<10	0.12
T-02	80.65	81.66	1.01	391649	<0.5	<2	0.03	<0.5	10	27	31	2.54	<10	<1	0.2	<10	0.12
T-02	81.66	82.66	1.01	391650	<0.5	<2	0.06	<0.5	10	41	28	5.11	<10	<1	0.18	<10	0.15
T-02	82.66	83.67	1.01	391651	0.5	<2	0.07	<0.5	13	29	27	3.13	<10	<1	0.22	<10	0.31
T-02	83.67	84.67	1.01	391652	<0.5	<2	0.12	<0.5	11	51	25	3.81	<10	<1	0.15	<10	0.15
T-02	84.67	85.68	1.01	391653	<0.5	<2	0.52	0.5	9	59	36	5.84	<10	<1	0.16	<10	0.45
T-02	85.68	86.69	1.01	391654	<0.5	<2	0.21	<0.5	11	64	27	3.27	<10	<1	0.16	<10	0.29
T-02	86.69	87.69	1.01	391655	<0.5	<2	0.08	<0.5	8	138	27	2.9	<10	<1	0.14	<10	0.07
T-02	87.69	88.70	1.01	391656	<0.5	<2	0.01	<0.5	5	88	17	0.88	<10	<1	0.16	<10	0.05
T-02	88.70	89.70	1.01	391657	<0.5	<2	0.11	<0.5	6	104	15	1.17	<10	<1	0.14	<10	0.08
T-02	89.70	90.71	1.01	391658	<0.5	<2	0.13	0.5	12	107	28	1.49	<10	<1	0.15	<10	0.13
T-02	90.71	91.71	1.01	391659	<0.5	<2	0.01	<0.5	4	48	15	0.49	<10	<1	0.22	<10	0.03
T-02	91.71	92.72	1.01	391660	<0.5	2	0.01	0.5	6	53	28	2.08	<10	<1	0.14	<10	0.02
T-02	92.72	93.73	1.01	391661	<0.5	<2	0.01	<0.5	14	41	22	3.79	<10	<1	0.16	<10	0.06
T-02	93.73	94.73	1.01	391662	<0.5	<2	0.02	<0.5	8	61	22	3.18	<10	<1	0.16	<10	0.06
T-02	94.73	95.74	1.01	391663	<0.5	<2	0.01	<0.5	9	45	27	4.49	<10	<1	0.18	<10	0.06
T-02	95.74	96.74	1.01	391664	<0.5	<2	0.02	<0.5	15	45	31	3.42	<10	<1	0.18	<10	0.07
T-02	96.74	97.75	1.01	391665	<0.5	<2	0.24	<0.5	17	97	31	2.45	<10	<1	0.17	<10	0.3
T-02	97.78	98.76	0.98	391666	<0.5	<2	0.54	<0.5	9	71	20	1.26	<10	<1	0.16	<10	0.33
T-02	98.76	99.76	1.01	391667	<0.5	<2	2.7	<0.5	6	127	13	2.15	<10	<1	0.09	<10	1.36
T-02	99.76	100.77	1.01	391668	<0.5	<2	0.96	<0.5	10	79	22	2.64	<10	<1	0.14	<10	0.49
T-02	100.77	101.77	1.01	391669	0.5	2	0.97	<0.5	19	71	41	3.62	<10	<1	0.17	<10	0.58
T-02	101.77	102.78	1.01	391670	0.5	<2	0.22	<0.5	16	35	35	3.66	<10	<1	0.2	<10	0.27
T-02	102.78	103.78	1.01	391671	0.5	<2	1.6	<0.5	15	64	40	4.83	<10	<1	0.16	<10	0.93
T-02	103.78	104.79	1.01	391672	0.5	4	0.98	<0.5	12	71	27	1.89	<10	<1	0.16	<10	0.52
T-02	104.79	105.80	1.01	391673	0.5	<2	0.1	<0.5	17	27	49	3.43	<10	<1	0.19	<10	0.28

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Mn (ppm)	Mo (ppm)	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ti (%)	Tl (ppm)	U (ppm)
T-02	28.80	29.78	0.98	391620	405	39	0.01	99	710	8	5.58	16	7	84	<0.01	<10	<10
T-02	32.92	33.38	0.46	391621	65	11	0.01	86	1450	4	>10.00	16	1	144	<0.01	<10	<10
T-02	41.61	42.58	0.98	391622	30	63	<0.01	150	250	8	2.42	8	1	35	<0.01	<10	<10
T-02	42.58	43.59	1.01	391623	25	46	<0.01	135	210	10	2.33	8	1	27	<0.01	<10	<10
T-02	43.59	44.59	1.01	391624	30	68	<0.01	158	190	12	2.9	10	1	59	<0.01	<10	<10
T-02	44.59	45.57	0.98	391625	25	79	<0.01	180	140	8	3.57	10	1	32	<0.01	<10	<10
T-02	45.57	46.57	1.01	391626	30	92	<0.01	191	230	12	2.85	10	1	72	<0.01	<10	<10
T-02	46.57	47.24	0.67	391627	40	23	<0.01	84	290	6	1.63	4	1	43	<0.01	<10	<10
T-02	47.24	47.95	0.70	391628	30	52	<0.01	157	160	10	3.42	6	1	12	<0.01	<10	<10
T-02	47.95	48.92	0.98	391629	45	43	<0.01	128	320	10	3.1	6	1	25	<0.01	<10	<10
T-02	48.92	49.90	0.98	391630	20	67	<0.01	163	200	16	4.5	10	1	15	<0.01	<10	<10
T-02	49.90	50.90	1.01	391631	20	27	<0.01	108	230	6	2.19	4	1	25	<0.01	<10	<10
T-02	61.87	62.85	0.98	391632	25	50	0.01	155	440	10	4.27	6	1	76	<0.01	<10	<10
T-02	63.61	64.62	1.01	391633	45	83	0.01	228	170	16	8.15	6	1	15	<0.01	<10	<10
T-02	64.62	65.62	1.01	391634	155	4	0.01	45	160	18	5.38	<2	1	12	<0.01	<10	<10
T-02	65.62	66.63	1.01	391635	530	<1	0.01	44	150	18	7.11	<2	1	15	<0.01	<10	<10
T-02	66.63	67.64	1.01	391636	395	1	0.01	31	240	16	3.81	<2	3	46	<0.01	<10	<10
T-02	68.64	69.65	1.01	391637	945	1	0.05	25	190	12	4.82	<2	4	99	<0.01	<10	<10
T-02	69.65	70.65	1.01	391638	475	1	0.03	28	140	12	3.95	<2	3	70	<0.01	<10	<10
T-02	70.65	71.66	1.01	391639	1585	1	0.06	21	180	6	4.24	<2	5	152	<0.01	<10	<10
T-02	71.66	72.66	1.01	391640	565	1	0.02	25	100	12	3.42	<2	3	30	<0.01	<10	<10
T-02	72.66	73.67	1.01	391641	230	1	0.01	22	410	10	2.72	<2	1	38	<0.01	<10	<10
T-02	73.61	74.62	1.01	391642	125	1	0.01	22	730	14	1.95	<2	1	34	<0.01	<10	<10
T-02	74.62	75.62	1.01	391643	40	3	0.01	23	490	26	2.45	<2	<1	25	<0.01	<10	<10
T-02	75.62	76.63	1.01	391644	20	1	0.01	18	280	16	1.12	<2	1	28	<0.01	<10	<10
T-02	76.63	77.63	1.01	391645	25	3	0.01	41	150	52	3.05	<2	1	19	<0.01	<10	<10
T-02	77.63	78.64	1.01	391646	25	1	0.01	12	170	10	1.18	<2	1	23	<0.01	<10	<10
T-02	78.64	79.64	1.01	391647	65	1	0.01	24	150	18	1.77	<2	1	24	<0.01	<10	<10
T-02	79.64	80.65	1.01	391648	40	1	0.01	35	140	42	3.53	<2	1	19	<0.01	<10	<10
T-02	80.65	81.66	1.01	391649	55	<1	0.01	26	140	22	2.6	<2	1	19	<0.01	<10	<10
T-02	81.66	82.66	1.01	391650	85	<1	0.01	29	80	34	5.87	<2	<1	13	<0.01	<10	<10
T-02	82.66	83.67	1.01	391651	95	<1	0.01	33	70	24	3.25	<2	1	15	<0.01	<10	<10
T-02	83.67	84.67	1.01	391652	105	<1	0.01	33	160	32	4.16	<2	1	19	<0.01	<10	<10
T-02	84.67	85.68	1.01	391653	295	1	0.01	32	50	28	6.64	<2	1	60	<0.01	<10	<10
T-02	85.68	86.69	1.01	391654	220	1	0.01	31	110	18	3.29	<2	1	17	<0.01	<10	<10
T-02	86.69	87.69	1.01	391655	135	1	0.01	26	320	24	2.67	<2	1	26	<0.01	<10	<10
T-02	87.69	88.70	1.01	391656	55	<1	0.01	14	90	10	0.65	<2	<1	16	<0.01	<10	<10
T-02	88.70	89.70	1.01	391657	70	1	0.01	21	350	18	0.89	<2	<1	34	<0.01	<10	<10
T-02	89.70	90.71	1.01	391658	90	1	0.01	29	220	52	1.11	2	1	27	<0.01	<10	<10
T-02	90.71	91.71	1.01	391659	35	<1	0.01	11	120	4	0.29	<2	1	21	<0.01	<10	<10
T-02	91.71	92.72	1.01	391660	35	1	0.01	18	110	26	2.18	<2	1	17	<0.01	<10	<10
T-02	92.72	93.73	1.01	391661	120	1	0.01	33	70	30	4.14	2	1	11	<0.01	<10	<10
T-02	93.73	94.73	1.01	391662	180	<1	0.01	26	120	48	3.35	<2	1	12	<0.01	<10	<10
T-02	94.73	95.74	1.01	391663	190	<1	0.01	27	70	38	5.07	<2	<1	11	<0.01	<10	<10
T-02	95.74	96.74	1.01	391664	90	<1	0.01	38	80	34	3.69	<2	1	13	<0.01	<10	<10
T-02	96.74	97.75	1.01	391665	180	1	0.01	33	60	24	2.1	<2	4	19	<0.01	<10	<10
T-02	97.78	98.76	0.98	391666	245	<1	0.01	19	70	14	0.92	<2	1	57	<0.01	<10	<10
T-02	98.76	99.76	1.01	391667	965	<1	0.01	19	50	14	1.65	<2	2	163	<0.01	<10	<10
T-02	99.76	100.77	1.01	391668	445	<1	0.02	24	30	6	2.46	<2	2	80	<0.01	<10	<10
T-02	100.77	101.77	1.01	391669	530	1	0.03	42	70	22	3.74	<2	6	60	<0.01	<10	<10
T-02	101.77	102.78	1.01	391670	95	<1	0.02	33	50	14	4.03	<2	2	26	<0.01	<10	<10
T-02	102.78	103.78	1.01	391671	1040	<1	0.03	38	80	12	5.29	<2	4	65	<0.01	<10	<10
T-02	103.78	104.79	1.01	391672	640	<1	0.03	29	70	10	1.6	<2	3	46	<0.01	<10	<10
T-02	104.79	105.80	1.01	391673	160	1	0.03	42	70	16	3.33	<2	1	25	<0.01	<10	<10

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	V (ppm)	W (ppm)	Zn (ppm)
T-02	28.80	29.78	0.98	391620	62	<10	332
T-02	32.92	33.38	0.46	391621	100	<10	462
T-02	41.61	42.58	0.98	391622	84	<10	564
T-02	42.58	43.59	1.01	391623	68	<10	250
T-02	43.59	44.59	1.01	391624	82	<10	906
T-02	44.59	45.57	0.98	391625	85	<10	436
T-02	45.57	46.57	1.01	391626	101	<10	672
T-02	46.57	47.24	0.67	391627	66	<10	776
T-02	47.24	47.95	0.70	391628	51	<10	492
T-02	47.95	48.92	0.98	391629	69	<10	1185
T-02	48.92	49.90	0.98	391630	55	<10	334
T-02	49.90	50.90	1.01	391631	61	<10	200
T-02	61.87	62.85	0.98	391632	53	<10	422
T-02	63.61	64.62	1.01	391633	39	<10	634
T-02	64.62	65.62	1.01	391634	5	<10	118
T-02	65.62	66.63	1.01	391635	4	<10	110
T-02	66.63	67.64	1.01	391636	7	<10	102
T-02	68.64	69.65	1.01	391637	13	<10	104
T-02	69.65	70.65	1.01	391638	7	<10	106
T-02	70.65	71.66	1.01	391639	14	<10	62
T-02	71.66	72.66	1.01	391640	6	<10	96
T-02	72.66	73.67	1.01	391641	5	<10	78
T-02	73.61	74.62	1.01	391642	5	<10	116
T-02	74.62	75.62	1.01	391643	4	<10	178
T-02	75.62	76.63	1.01	391644	6	<10	126
T-02	76.63	77.63	1.01	391645	6	<10	184
T-02	77.63	78.64	1.01	391646	6	<10	110
T-02	78.64	79.64	1.01	391647	6	<10	144
T-02	79.64	80.65	1.01	391648	5	<10	160
T-02	80.65	81.66	1.01	391649	5	<10	118
T-02	81.66	82.66	1.01	391650	4	<10	130
T-02	82.66	83.67	1.01	391651	5	<10	108
T-02	83.67	84.67	1.01	391652	4	<10	118
T-02	84.67	85.68	1.01	391653	5	<10	82
T-02	85.68	86.69	1.01	391654	5	<10	110
T-02	86.69	87.69	1.01	391655	6	<10	168
T-02	87.69	88.70	1.01	391656	4	<10	78
T-02	88.70	89.70	1.01	391657	5	<10	140
T-02	89.70	90.71	1.01	391658	5	<10	264
T-02	90.71	91.71	1.01	391659	7	<10	102
T-02	91.71	92.72	1.01	391660	6	<10	298
T-02	92.72	93.73	1.01	391661	4	<10	168
T-02	93.73	94.73	1.01	391662	4	<10	214
T-02	94.73	95.74	1.01	391663	4	<10	244
T-02	95.74	96.74	1.01	391664	5	<10	246
T-02	96.74	97.75	1.01	391665	7	<10	110
T-02	97.78	98.76	0.98	391666	5	<10	70
T-02	98.76	99.76	1.01	391667	6	<10	80
T-02	99.76	100.77	1.01	391668	6	<10	102
T-02	100.77	101.77	1.01	391669	10	<10	110
T-02	101.77	102.78	1.01	391670	6	<10	78
T-02	102.78	103.78	1.01	391671	7	<10	106
T-02	103.78	104.79	1.01	391672	5	<10	118
T-02	104.79	105.80	1.01	391673	5	<10	80

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Hole Angle	Main Lithology	Mineralization	AssayReport	Au (g/t)	Ag (ppm)	Al (%)	As (ppm)	B (ppm)	Ba (ppm)
T-02	105.80	106.80	1.01	391674	45	Syns Brxx	10-20% Py	A0220836	<0.01	<0.2	0.35	18	<10	50
T-02	106.80	107.81	1.01	391675	45	Syns Brxx	5-15% Py	A0220836	<0.01	<0.2	0.31	22	<10	50
T-02	107.81	108.81	1.01	391676	45	Syns Brxx	4-8% Py	A0220836	0.01	<0.2	0.32	28	<10	40
T-02	108.81	109.82	1.01	391677	45	Syns Brxx+Sst	5-10% Py	A0220836	<0.01	<0.2	0.28	12	<10	110
T-02	109.82	110.83	1.01	391678	45	Syns Brxx+Sst	5-10% Py	A0220836	0.04	<0.2	0.31	28	<10	50
T-02	110.83	111.83	1.01	391679	45	Syns Brxx+Sst	5-10% Py	A0220836	0.02	<0.2	0.32	24	<10	60
T-02	111.83	112.84	1.01	391680	45	Syns Brxx+Sst	5-10% Py	A0220836	<0.01	0.6	0.32	58	<10	40
T-02	112.84	113.84	1.01	391681	45	Syns Brxx+Sst	4-8% Py	A0220836	<0.01	0.2	0.32	30	<10	10
T-02	113.84	114.85	1.01	391682	45	Syns Brxx+Sst	4-8% Py	A0220836	<0.01	<0.2	0.34	38	<10	20
T-02	114.85	115.85	1.01	391683	45	Syns Brxx+Sst	4-8% Py	A0220836	0.02	<0.2	0.4	38	<10	80
T-02	115.85	116.86	1.01	391684	45	Syns Brxx+Sst	4-8% Py	A0220836	0.02	<0.2	0.27	36	<10	60
T-02	116.86	117.87	1.01	391685	45	Syns Brxx+Sst	2-4% Py	A0220836	<0.01	0.6	0.35	112	<10	20
T-02	133.05	134.05	1.01	391686	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	<0.01	0.2	0.29	68	<10	40
T-02	134.05	135.06	1.01	391687	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	0.11	0.2	0.3	66	<10	40
T-02	135.06	136.06	1.01	391688	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	0.01	0.2	0.27	120	<10	30
T-02	136.06	137.07	1.01	391689	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	<0.01	0.2	0.38	96	<10	30
T-02	137.07	138.07	1.01	391690	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	<0.01	<0.2	0.23	60	<10	50
T-02	138.07	139.08	1.01	391691	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	<0.01	0.2	0.31	64	<10	40
T-02	139.08	140.09	1.01	391692	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	0.01	0.2	0.29	90	<10	30
T-02	140.09	141.09	1.01	391693	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220836	0.01	0.2	0.28	66	<10	40
T-02	141.09	142.10	1.01	391694	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	<0.2	0.47	16	<10	60
T-02	142.10	143.10	1.01	391695	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	<0.2	0.25	18	<10	50
T-02	143.10	144.11	1.01	391696	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	0.01	<0.2	0.15	26	<10	50
T-02	144.11	145.12	1.01	391697	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	<0.2	0.29	30	<10	50
T-02	145.12	146.12	1.01	391698	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	0.02	0.2	0.23	38	<10	50
T-02	146.12	147.13	1.01	391699	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	0.2	0.26	16	<10	60
T-02	147.13	148.13	1.01	391700	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	0.03	<0.2	0.18	8	<10	90
T-02	148.13	149.14	1.01	391701	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	0.2	0.18	18	<10	60
T-02	149.14	150.14	1.01	391702	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	<0.2	0.24	12	<10	70
T-02	150.14	151.15	1.01	391703	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	0.2	0.3	20	<10	70
T-02	151.15	152.16	1.01	391704	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	<0.2	0.19	24	<10	80
T-02	152.16	153.01	0.85	391705	45	Muds/Py/Ba	2-8% Py, 15-25% Ba	A0220841	<0.01	<0.2	0.15	34	<10	50

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppm)	K (%)	La (ppm)	Mg (%)
T-02	105.80	106.80	1.01	391674	0.5	<2	0.35	<0.5	17	47	43	4.27	<10	<1	0.15	<10	0.7
T-02	106.80	107.81	1.01	391675	0.5	<2	1.55	<0.5	13	72	43	4.04	<10	<1	0.14	<10	0.74
T-02	107.81	108.81	1.01	391676	0.5	<2	0.52	<0.5	16	54	43	4.36	<10	<1	0.15	<10	0.26
T-02	108.81	109.82	1.01	391677	<0.5	2	1.07	<0.5	9	84	19	1.09	<10	<1	0.14	<10	0.59
T-02	109.82	110.83	1.01	391678	0.5	<2	0.47	<0.5	22	29	34	2.09	<10	<1	0.16	<10	0.25
T-02	110.83	111.83	1.01	391679	0.5	<2	0.5	<0.5	22	42	32	1.94	<10	1	0.16	<10	0.27
T-02	111.83	112.84	1.01	391680	0.5	<2	0.39	1.5	17	56	47	2.79	<10	1	0.14	<10	0.21
T-02	112.84	113.84	1.01	391681	<0.5	<2	0.1	1	11	70	31	8.08	<10	<1	0.14	<10	0.06
T-02	113.84	114.85	1.01	391682	0.5	<2	0.06	1.5	21	45	23	3.72	<10	<1	0.18	<10	0.04
T-02	114.85	115.85	1.01	391683	0.5	<2	0.05	1	17	69	24	1.88	<10	<1	0.19	<10	0.03
T-02	115.85	116.86	1.01	391684	<0.5	<2	0.01	<0.5	9	89	18	2.11	<10	<1	0.12	<10	0.01
T-02	116.86	117.87	1.01	391685	<0.5	2	0.03	1	13	107	43	3.61	<10	<1	0.12	<10	0.02
T-02	133.05	134.05	1.01	391686	<0.5	<2	0.03	<0.5	7	52	29	1.48	<10	<1	0.01	<10	0.01
T-02	134.05	135.06	1.01	391687	<0.5	2	0.02	<0.5	8	41	27	1.77	<10	<1	0.03	<10	<0.01
T-02	135.06	136.06	1.01	391688	<0.5	<2	0.03	<0.5	9	34	43	2.92	<10	<1	0.04	<10	<0.01
T-02	136.06	137.07	1.01	391689	<0.5	<2	0.04	0.5	12	48	34	2.84	<10	<1	0.06	<10	0.01
T-02	137.07	138.07	1.01	391690	<0.5	<2	2.89	0.5	8	34	21	1.95	<10	1	0.03	<10	0.51
T-02	138.07	139.08	1.01	391691	<0.5	<2	1.14	0.5	8	48	29	2.38	<10	<1	0.07	<10	0.51
T-02	139.08	140.09	1.01	391692	<0.5	<2	0.09	<0.5	9	44	33	2.41	<10	<1	0.06	<10	0.05
T-02	140.09	141.09	1.01	391693	<0.5	<2	0.5	0.5	8	47	35	2.14	<10	<1	0.09	<10	0.17
T-02	141.09	142.10	1.01	391694	<0.5	<2	0.13	0.5	7	35	30	1.74	<10	<1	0.08	<10	0.19
T-02	142.10	143.10	1.01	391695	<0.5	<2	0.13	<0.5	6	24	30	2.01	<10	<1	0.04	<10	0.18
T-02	143.10	144.11	1.01	391696	<0.5	<2	0.12	0.5	6	20	25	1.84	<10	<1	0.03	<10	0.15
T-02	144.11	145.12	1.01	391697	<0.5	<2	0.08	0.5	7	19	30	2.24	<10	<1	0.04	<10	0.13
T-02	145.12	146.12	1.01	391698	<0.5	<2	0.09	<0.5	7	24	29	2.39	<10	<1	0.07	<10	0.14
T-02	146.12	147.13	1.01	391699	<0.5	<2	0.28	1	7	21	31	1.84	<10	<1	0.08	<10	0.29
T-02	147.13	148.13	1.01	391700	<0.5	<2	0.1	1.5	4	16	19	1.19	<10	<1	0.04	<10	0.12
T-02	148.13	149.14	1.01	391701	<0.5	<2	0.22	1	5	16	24	1.74	<10	<1	0.07	<10	0.17
T-02	149.14	150.14	1.01	391702	<0.5	<2	0.21	<0.5	6	26	27	1.44	<10	<1	0.08	<10	0.24
T-02	150.14	151.15	1.01	391703	<0.5	<2	0.08	0.5	6	23	30	1.61	<10	<1	0.09	<10	0.11
T-02	151.15	152.16	1.01	391704	<0.5	<2	0.1	1.5	5	18	23	1.28	<10	<1	0.05	<10	0.16
T-02	152.16	153.01	0.85	391705	<0.5	<2	0.64	<0.5	6	22	35	2	<10	<1	0.05	<10	0.34

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	Mn (ppm)	Mo (ppm)	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ti (%)	Tl (ppm)	U (ppm)
T-02	105.80	106.80	1.01	391674	695	1	0.02	34	50	18	2.77	<2	2	43	<0.01	<10	<10
T-02	106.80	107.81	1.01	391675	845	<1	0.02	37	30	14	4.57	<2	2	125	<0.01	<10	<10
T-02	107.81	108.81	1.01	391676	235	<1	0.02	48	50	22	5.18	<2	1	46	<0.01	<10	<10
T-02	108.81	109.82	1.01	391677	505	<1	0.02	18	30	2	1.1	<2	2	101	<0.01	<10	<10
T-02	109.82	110.83	1.01	391678	320	<1	0.01	45	30	20	2.43	<2	3	56	<0.01	<10	<10
T-02	110.83	111.83	1.01	391679	270	<1	0.01	40	40	14	2.24	<2	3	64	<0.01	<10	<10
T-02	111.83	112.84	1.01	391680	190	5	0.01	51	70	12	3.25	<2	3	63	<0.01	<10	<10
T-02	112.84	113.84	1.01	391681	40	<1	0.01	37	90	<2	9.97	2	1	8	<0.01	<10	<10
T-02	113.84	114.85	1.01	391682	30	<1	0.01	59	80	14	4.25	<2	1	11	<0.01	<10	<10
T-02	114.85	115.85	1.01	391683	40	<1	0.01	32	90	10	2.02	<2	1	13	<0.01	<10	<10
T-02	115.85	116.86	1.01	391684	40	1	0.01	21	70	8	2.28	<2	<1	7	<0.01	<10	<10
T-02	116.86	117.87	1.01	391685	50	13	<0.01	81	80	14	4.06	6	3	8	<0.01	<10	<10
T-02	133.05	134.05	1.01	391686	35	11	<0.01	76	90	2	1.64	<2	3	21	0.03	<10	<10
T-02	134.05	135.06	1.01	391687	25	10	<0.01	86	190	4	2	<2	2	26	<0.01	<10	<10
T-02	135.06	136.06	1.01	391688	25	17	<0.01	71	120	12	3.18	<2	1	17	<0.01	<10	<10
T-02	136.06	137.07	1.01	391689	30	14	<0.01	140	180	8	3.1	<2	2	17	<0.01	<10	<10
T-02	137.07	138.07	1.01	391690	175	10	<0.01	79	40	6	1.65	<2	2	88	<0.01	<10	<10
T-02	138.07	139.08	1.01	391691	140	11	<0.01	77	100	6	2.35	<2	4	52	<0.01	<10	<10
T-02	139.08	140.09	1.01	391692	40	12	<0.01	109	80	8	2.6	<2	2	23	<0.01	<10	<10
T-02	140.09	141.09	1.01	391693	75	12	<0.01	93	110	6	2.38	<2	3	70	<0.01	<10	<10
T-02	141.09	142.10	1.01	391694	55	10	0.01	74	110	8	1.38	2	3	79	<0.01	<10	<10
T-02	142.10	143.10	1.01	391695	40	13	<0.01	37	80	8	1.78	2	3	77	<0.01	<10	<10
T-02	143.10	144.11	1.01	391696	30	11	<0.01	51	50	6	1.75	<2	2	58	<0.01	<10	<10
T-02	144.11	145.12	1.01	391697	30	13	<0.01	75	70	10	2.05	2	2	57	<0.01	<10	<10
T-02	145.12	146.12	1.01	391698	35	14	<0.01	97	60	10	2.24	2	2	49	<0.01	<10	<10
T-02	146.12	147.13	1.01	391699	85	13	<0.01	86	100	8	1.47	<2	3	122	<0.01	<10	<10
T-02	147.13	148.13	1.01	391700	40	9	<0.01	51	50	4	0.96	<2	1	107	<0.01	<10	<10
T-02	148.13	149.14	1.01	391701	60	12	<0.01	85	80	6	1.48	2	2	123	<0.01	<10	<10
T-02	149.14	150.14	1.01	391702	70	12	<0.01	66	60	6	1.14	<2	2	104	<0.01	<10	<10
T-02	150.14	151.15	1.01	391703	60	13	<0.01	83	90	6	1.38	2	2	65	<0.01	<10	<10
T-02	151.15	152.16	1.01	391704	45	9	<0.01	54	70	6	1.01	<2	2	68	<0.01	<10	<10
T-02	152.16	153.01	0.85	391705	60	10	<0.01	33	50	6	1.73	<2	2	97	<0.01	<10	<10

HOLE NUMBER	From (m)	To (m)	Length (m)	sample number	V (ppm)	W (ppm)	Zn (ppm)
T-02	105.80	106.80	1.01	391674	8	<10	86
T-02	106.80	107.81	1.01	391675	5	<10	160
T-02	107.81	108.81	1.01	391676	4	<10	88
T-02	108.81	109.82	1.01	391677	3	<10	58
T-02	109.82	110.83	1.01	391678	4	<10	134
T-02	110.83	111.83	1.01	391679	4	<10	154
T-02	111.83	112.84	1.01	391680	16	<10	228
T-02	112.84	113.84	1.01	391681	4	<10	78
T-02	113.84	114.85	1.01	391682	3	<10	88
T-02	114.85	115.85	1.01	391683	5	<10	82
T-02	115.85	116.86	1.01	391684	3	<10	32
T-02	116.86	117.87	1.01	391685	25	<10	140
T-02	133.05	134.05	1.01	391686	245	<10	212
T-02	134.05	135.06	1.01	391687	119	<10	182
T-02	135.06	136.06	1.01	391688	24	<10	118
T-02	136.06	137.07	1.01	391689	58	<10	216
T-02	137.07	138.07	1.01	391690	30	<10	154
T-02	138.07	139.08	1.01	391691	42	<10	172
T-02	139.08	140.09	1.01	391692	37	<10	190
T-02	140.09	141.09	1.01	391693	61	<10	178
T-02	141.09	142.10	1.01	391694	59	<10	204
T-02	142.10	143.10	1.01	391695	19	<10	70
T-02	143.10	144.11	1.01	391696	10	<10	68
T-02	144.11	145.12	1.01	391697	13	<10	96
T-02	145.12	146.12	1.01	391698	31	<10	42
T-02	146.12	147.13	1.01	391699	50	<10	200
T-02	147.13	148.13	1.01	391700	28	<10	234
T-02	148.13	149.14	1.01	391701	42	<10	176
T-02	149.14	150.14	1.01	391702	56	<10	78
T-02	150.14	151.15	1.01	391703	65	<10	124
T-02	151.15	152.16	1.01	391704	31	<10	250
T-02	152.16	153.01	0.85	391705	17	<10	36

APPENDIX 3

Assay Certificates



ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 926 - 5TH AVE. SW
CALGARY, AB
T2P 0N7

A0220836

Comments: ATTN: JEAN-PIERE JUTRAS

CERTIFICATE

A0220836

(QJD) - MANSON CREEK RESOURCES LTD.

Project: YUKON
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 07-AUG-2002.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	200	Pulv. <250g to >85%/-75 micron
STO-21	200	Reject Storage-First 90 Days
LOG-22	200	Samples received without barcode
CRU-31	200	Crush to 70% minus 2mm
SPL-21	200	Splitting Charge
229	200	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	200	Weight of received sample	BALANCE	0.01	1000.0
Au-AA26	200	Au g/t: 50 g fusion - AA finish	FA-AAS	0.01	100.00
Ag-ICP41	200	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	200	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	200	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	200	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	200	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	200	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	200	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	200	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	200	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	200	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	200	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	200	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	200	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	200	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	200	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	200	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	200	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	200	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	200	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	200	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	200	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	200	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	200	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	200	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	200	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	200	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	200	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	200	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	200	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	200	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	200	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	200	V ppm: 32 element, soil & rock	ICP-AES	1	10000

**ALS Chemex**

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CERTIFICATE**A0220836**

(QJD) - MANSON CREEK RESOURCES LTD.

Project: YUKON
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 07-AUG-2002.

SAMPLE PREPARATION

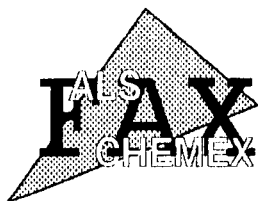
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	200	Pulv. <250g to >85%/-75 micron
STO-21	200	Reject Storage-First 90 Days
LOG-22	200	Samples received without barcode
CRU-31	200	Crush to 70% minus 2mm
SPL-21	200	Splitting Charge
229	200	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
W-ICP41	200	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	200	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 926 - 5TH AVE. SW

CALGARY, AB

T2P 0N7

Project: YUKON

Comments: ATTN: JEAN-PIERE JUTRAS

Page Number: 1-A

Total Pages: 5

Certificate Date: 07-AUG-02

Invoice No.: 10220836

P.O. Number:

Account: QJD

CERTIFICATE OF ANALYSIS

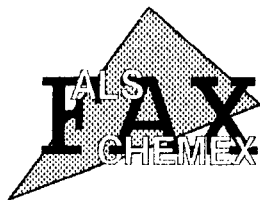
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SAMPLE	PREP CODE	Weight Kg	Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
24558	04139402	1.20	0.01	1.6	0.08	10	< 10	130	< 0.5	< 2	0.08	< 0.5	2	66	86	3.09	< 10	< 1	0.06	< 10
24559	04139402	0.88	< 0.01	< 0.2	0.78	< 2	< 10	320	< 0.5	< 2	0.04	< 0.5	4	36	35	1.99	< 10	< 1	0.15	< 10
24560	04139402	0.94	< 0.01	< 0.2	0.16	16	40	< 10	< 0.5	< 2	< 0.01	1.0	90	566	< 1	4.40	< 10	2	< 0.01	< 10
24561	04139402	0.92	< 0.01	< 0.2	0.13	4	< 10	10	< 0.5	< 2	0.44	0.5	88	311	< 1	3.84	< 10	1	< 0.01	< 10
24562	04139402	0.90	< 0.01	< 0.2	0.03	2	20	10	< 0.5	< 2	0.32	1.5	73	283	3	2.24	< 10	3	< 0.01	< 10
24563	04139402	0.88	< 0.01	0.2	0.55	12	10	10	< 0.5	2	0.04	< 0.5	4	84	63	2.16	< 10	< 1	0.05	< 10
24564	04139402	0.66	0.03	5.8	1.28	10	< 10	< 10	< 0.5	10	0.35	58.5	8	70	375	2.32	< 10	< 1	0.02	< 10
24565	04139402	1.04	0.02	< 0.2	0.15	5270	< 10	20	< 0.5	12	12.50	5.5	268	11	46	11.40	30	< 1	0.06	< 10
24566	04139402	0.88	< 0.01	8.6	0.15	778	10	20	< 0.5	< 2	> 15.00	33.0	25	13	2700	4.78	< 10	< 1	0.06	< 10
24567	04139402	1.10	< 0.01	< 0.2	0.67	56	< 10	40	< 0.5	< 2	0.61	1.0	7	24	13	11.25	< 10	< 1	0.08	< 10
24568	04139402	0.60	< 0.01	< 0.2	0.62	8	< 10	40	0.5	< 2	0.13	< 0.5	3	8	28	1.16	< 10	< 1	0.17	< 10
24569	04139402	0.62	< 0.01	< 0.2	0.63	6	< 10	30	< 0.5	< 2	0.02	< 0.5	4	27	13	6.70	< 10	< 1	0.14	< 10
24570	04139402	0.70	< 0.01	< 0.2	0.56	18	< 10	30	0.5	< 2	0.07	0.5	3	16	53	> 15.00	< 10	< 1	0.12	< 10
24571	04139402	0.58	< 0.01	< 0.2	0.36	8	< 10	50	< 0.5	10	0.04	4.0	4	10	5	> 15.00	< 10	< 1	0.07	< 10
24717	04139402	1.08	< 0.01	< 0.2	2.34	< 2	< 10	70	< 0.5	< 2	2.66	1.5	27	284	27	4.68	10	< 1	0.03	< 10
24718	04139402	1.20	0.03	1.6	0.21	16	< 10	340	< 0.5	< 2	0.09	< 0.5	5	82	137	3.29	< 10	< 1	0.14	< 10
24719	04139402	1.64	< 0.01	< 0.2	0.09	2	10	70	< 0.5	< 2	0.57	1.5	75	294	2	2.98	< 10	1	< 0.01	< 10
24720	04139402	0.84	< 0.01	< 0.2	0.16	< 2	30	10	< 0.5	< 2	0.04	1.5	102	756	< 1	3.94	< 10	3	< 0.01	< 10
24722	04139402	1.12	< 0.01	1.0	0.69	6	< 10	10	0.5	< 2	0.70	< 0.5	73	29	336	7.18	< 10	< 1	0.08	10
24723	04139402	1.38	< 0.01	24.6	0.08	248	< 10	10	< 0.5	80	0.36	> 500	14	26	673	0.36	< 10	17	0.05	< 10
24724	04139402	0.46	< 0.01	0.8	1.43	12	< 10	< 10	< 0.5	2	0.33	13.0	9	76	277	3.20	< 10	< 1	0.03	< 10
24725	04139402	0.68	< 0.01	< 0.2	0.54	4	< 10	30	< 0.5	< 2	0.03	5.0	12	99	10	4.53	< 10	< 1	0.05	< 10
24726	04139402	1.18	< 0.01	0.2	0.10	2	< 10	10	< 0.5	< 2	0.01	6.0	2	4	1	> 15.00	< 10	< 1	0.05	< 10
24727	04139402	1.42	0.04	0.6	0.22	2	< 10	150	< 0.5	< 2	0.01	< 0.5	< 1	39	< 1	0.20	< 10	< 1	0.13	< 10
24728	04139402	1.24	< 0.01	< 0.2	2.21	8	< 10	690	0.5	< 2	1.57	< 0.5	11	10	4	4.77	10	< 1	0.04	30
24801	04139402	0.66	< 0.01	2.4	0.28	56	< 10	30	< 0.5	< 2	< 0.01	< 0.5	9	44	72	3.62	< 10	< 1	0.13	< 10
24802	04139402	1.48	< 0.01	3.0	0.29	70	< 10	30	< 0.5	2	0.01	1.5	10	30	98	4.33	< 10	< 1	0.14	< 10
24803	04139402	0.96	< 0.01	1.6	0.22	78	< 10	40	< 0.5	2	< 0.01	3.0	10	38	55	4.08	< 10	< 1	0.11	< 10
24804	04139402	1.46	0.02	1.8	0.22	64	< 10	50	< 0.5	< 2	< 0.01	11.0	10	30	74	2.94	< 10	< 1	0.10	< 10
24805	04139402	0.78	0.01	2.6	0.55	94	< 10	20	0.5	< 2	0.47	5.5	7	69	71	4.03	< 10	< 1	0.11	< 10
24806	04139402	0.98	< 0.01	1.6	0.18	68	< 10	60	< 0.5	10	0.01	8.0	8	40	56	2.63	< 10	< 1	0.08	< 10
24807	04139402	0.76	0.03	3.0	0.69	124	< 10	30	0.5	2	0.98	11.0	8	73	79	4.61	< 10	< 1	0.14	10
24808	04139402	2.72	< 0.01	1.6	0.21	74	< 10	30	< 0.5	2	0.04	6.0	16	39	71	3.60	< 10	< 1	0.09	< 10
24809	04139402	1.06	0.01	2.8	0.44	106	< 10	10	0.5	< 2	0.26	8.0	8	67	90	5.64	< 10	< 1	0.11	< 10
24810	04139402	1.08	< 0.01	3.4	0.49	140	< 10	10	0.5	6	0.46	7.5	9	66	118	6.92	< 10	< 1	0.10	< 10
24811	04139402	0.78	0.13	2.2	0.47	110	< 10	20	< 0.5	< 2	0.63	6.0	13	61	79	4.38	< 10	< 1	0.12	< 10
24812	04139402	1.38	0.02	1.6	0.26	100	10	40	< 0.5	< 2	0.17	7.5	13	67	67	2.78	< 10	< 1	0.08	< 10
24813	04139402	0.96	< 0.01	2.0	0.38	104	< 10	30	< 0.5	2	0.45	8.0	11	58	66	3.50	< 10	< 1	0.10	< 10
24814	04139402	0.66	< 0.01	1.4	0.22	152	< 10	20	< 0.5	8	0.01	3.0	25	38	95	4.24	< 10	< 1	0.08	< 10
24815	04139402	0.80	< 0.01	2.4	0.42	130	< 10	20	< 0.5	< 2	0.14	8.5	14	61	82	5.04	< 10	< 1	0.10	< 10

CERTIFICATION:

HL00HEMEX LABS H100A-FH02

PH06 002



ALS Chemex

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To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 926 - 5TH AVE. SW
CALGARY, AB
T2P 0N7

Project: YUKON
Comments: ATTN: JEAN-PIERE JUTRAS

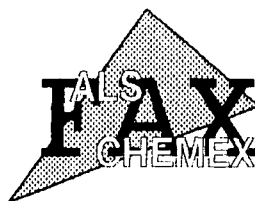
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Total Pages : 5
Certificate Date: 07-AUG-02
Invoice No. : 10220836
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS

A0220836

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
24558	04139402	0.07	100	2 < 0.01		19	80	4	0.04	< 2	1	28 < 0.01	< 10	< 10		15	< 10	96
24559	04139402	0.36	290	< 1 < 0.01		22	260	4	0.05	< 2	1	13 < 0.01	< 10	< 10		15	< 10	62
24560	04139402	>15.00	560	< 1 < 0.01		1940	10	2 < 0.01	< 2	6	5 < 0.01	< 10	< 10			11	< 10	16
24561	04139402	>15.00	770	< 1 < 0.01		2310	30	< 2 < 0.01	< 2	7	20 < 0.01	< 10	< 10			25	< 10	16
24562	04139402	>15.00	515	1 < 0.01		1265	10	< 2 < 0.01	< 2	4	22 < 0.01	< 10	< 10			7	< 10	14
24563	04139402	0.46	175	4	0.01	32	290	76	0.28	< 2	1	4 < 0.01	< 10	< 10		48	< 10	144
24564	04139402	1.34	245	11	0.04	31	950	4990	1.14	8	5	4 < 0.01	< 10	< 10		141	< 10	>10000
24565	04139402	5.11	>10000	< 1	0.02	2900	110	88	0.27	1580	8	64 < 0.01	10	< 10		21	< 10	316
24566	04139402	6.15	4990	< 1	0.01	41	60	1345	0.48	290	6	88 < 0.01	20	< 10		6	< 10	7070
24567	04139402	1.91	2460	< 1	0.01	37	50	12	0.46	12	6	18 < 0.01	< 10	< 10		12	< 10	98
24568	04139402	0.14	95	< 1	0.01	7	100	30	0.04	< 2	3	15 < 0.01	< 10	< 10		5	< 10	78
24569	04139402	0.26	140	< 1	0.01	7	90	20	0.49	< 2	4	11 < 0.01	< 10	< 10		12	< 10	40
24570	04139402	0.08	80	< 1	0.01	10	410	16	0.16	< 2	3	21 < 0.01	< 10	< 10		12	< 10	62
24571	04139402	0.08	150	< 1	< 0.01	5	190	32	2.39	< 2	1	29 < 0.01	< 10	< 10		9	< 10	80
24717	04139402	1.53	7580	31	0.01	131	270	298	0.27	< 2	7	43 < 0.01	< 10	< 10		29	< 10	88
24718	04139402	0.07	140	7 < 0.01		25	210	8	0.05	2	2	41 < 0.01	< 10	< 10		22	< 10	194
24719	04139402	>15.00	670	< 1 < 0.01		1770	10	2 < 0.01	< 2	6	30 < 0.01	< 10	< 10			12	< 10	18
24720	04139402	>15.00	450	< 1 < 0.01		2080	< 10	< 2 < 0.01	< 2	5	5 < 0.01	< 10	< 10			14	< 10	18
24722	04139402	0.63	320	3	0.05	44	2210	118	4.10	< 2	9	11	0.10	< 10	< 10	20	< 10	62
24723	04139402	0.20	150	6 < 0.01		25	20	186	7.95	150	< 1	2 < 0.01	< 10	< 10		4	2010	>10000
24724	04139402	1.84	230	8	0.03	15	720	50	1.57	< 2	10	3	0.07	< 10	< 10	211	< 10	1830
24725	04139402	0.74	1910	< 1	0.01	16	40	10	0.16	< 2	3	7 < 0.01	< 10	< 10		12	< 10	900
24726	04139402	0.03	80	< 1 < 0.01	< 1	100	24	3.42	< 2	< 1	1	30 < 0.01	< 10	10		4	< 10	98
24727	04139402	0.01	5	3 < 0.01		2	40	6	0.07	2	< 1	2 < 0.01	< 10	< 10		28	< 10	40
24728	04139402	1.69	1910	< 1	0.04	< 1	2370	2	0.08	< 2	< 1	405	0.29	< 10	< 10	70	< 10	188
24801	04139402	0.02	35	21 < 0.01		104	120	12	4.15	6	< 1	15 < 0.01	< 10	< 10		46	< 10	28
24802	04139402	0.03	55	13 < 0.01		96	150	12	4.91	8	1	18 < 0.01	< 10	< 10		42	< 10	198
24803	04139402	0.01	30	21 < 0.01		122	90	12	4.60	6	1	11 < 0.01	< 10	< 10		42	< 10	258
24804	04139402	0.01	55	24 < 0.01		119	120	10	3.33	6	1	13 < 0.01	< 10	< 10		62	< 10	536
24805	04139402	0.03	50	9 < 0.01		76	3300	8	4.56	8	3	70 < 0.01	< 10	< 10		136	< 10	412
24806	04139402	0.01	60	24 < 0.01		101	110	8	2.94	8	< 1	11 < 0.01	< 10	< 10		50	< 10	682
24807	04139402	0.04	75	16	0.01	83	5910	12	5.12	14	4	119 < 0.01	< 10	< 10		204	< 10	700
24808	04139402	0.01	75	43 < 0.01		115	230	10	4.00	14	< 1	17 < 0.01	< 10	< 10		47	< 10	490
24809	04139402	0.03	90	18 < 0.01		102	1990	12	6.10	16	1	65 < 0.01	< 10	10		174	< 10	604
24810	04139402	0.03	170	13 < 0.01		83	3200	14	7.60	18	2	63 < 0.01	< 10	< 10		206	< 10	516
24811	04139402	0.03	80	25 < 0.01		98	3350	14	4.82	12	3	98 < 0.01	< 10	10		132	< 10	442
24812	04139402	0.01	65	26 < 0.01		94	980	10	3.04	8	1	46 < 0.01	< 10	< 10		86	< 10	600
24813	04139402	0.02	70	26 < 0.01		104	2500	16	3.85	10	2	89 < 0.01	< 10	< 10		116	< 10	680
24814	04139402	0.01	65	37 < 0.01		83	230	16	4.59	10	< 1	24 < 0.01	< 10	< 10		28	< 10	226
24815	04139402	0.03	70	23 < 0.01		111	1470	18	5.39	12	3	65 < 0.01	< 10	10		122	< 10	594

CERTIFICATION:



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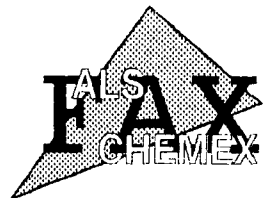
A0220836

SAMPLE	PREP CODE	Weight Kg	Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
24816	04139402	1.38 < 0.01	2.2	0.26	164 < 10	20 < 0.5	6	0.01	1.5	28	50	115	4.44 < 10	4	0.11 < 10					
24817	04139402	1.54 < 0.01	1.8	0.26	60 < 10	40 < 0.5	8	0.01	7.5	11	63	75	3.53 < 10	1	0.12 < 10					
24818	04139402	1.20 < 0.02	2.2	0.28	74 < 10	20 < 0.5	2	0.06	12.5	9	63	88	3.64 < 10	1	0.12 < 10					
24819	04139402	0.82 < 0.02	2.2	0.25	34 < 10	110 < 0.5	2	0.03	17.5	8	65	67	1.81 < 10	1	0.11 < 10					
24820	04139402	1.36 < 0.01	1.8	0.27	46 < 10	80 < 0.5	2	0.03	14.0	10	59	64	2.34 < 10	1	0.12 < 10					
24821	04139402	0.74 < 0.04	2.4	0.33	72 < 10	20 < 0.5	8	0.06	10.5	16	65	87	3.63 < 10	1	0.11 < 10					
24822	04139402	1.58 < 0.01	2.8	0.56	76 < 10	20 < 0.5	2	0.55	2.5	6	96	75	3.82 < 10	4	0.14 < 10					
24823	04139402	1.70 < 0.02	2.0	0.44	80 < 10	20 < 0.5	8	0.14	3.0	9	75	86	3.97 < 10	3	0.13 < 10					
24824	04139402	1.24 < 0.02	1.8	0.22	36 < 10	110 < 0.5	2	0.01	9.0	8	69	56	1.88 < 10	1	0.09 < 10					
24825	04139402	1.40 < 0.01	2.2	0.38	60 < 10	20 < 0.5	6	0.38	7.0	7	76	65	3.43 < 10	1	0.12 < 10					
24826	04139402	0.78 < 0.01	2.4	0.35	70 < 10	20 < 0.5	10	0.21	9.0	7	89	71	3.58 < 10	1	0.12 < 10					
24827	04139402	0.74 < 0.03	2.6	0.57	76 < 10	20 < 0.5	2	0.74	4.0	11	64	62	3.76 < 10	1	0.15 < 10					
24828	04139402	0.46 < 0.01	1.0	0.25	66 < 10	20 < 0.5	6	0.01	1.5	22	54	74	3.75 < 10	1	0.11 < 10					
24829	04139402	1.10 < 0.01	1.6	0.28	62 < 10	30 < 0.5	14	0.06	8.5	14	57	74	3.35 < 10	1	0.12 < 10					
24830	04139402	1.36 < 0.01	3.2	0.49	118 < 10	10 < 0.5	12	0.49	10.0	9	86	102	5.93 < 10	1	0.14 < 10					
24831	04139402	1.28 < 0.01	2.2	0.46	64 < 10	30 < 0.5	2	0.26	9.5	11	62	78	3.47 < 10	1	0.13 < 10					
24832	04139402	2.04 < 0.01	2.6	0.47	116 < 10	10 < 0.5	10	0.47	3.0	17	69	89	4.65 < 10	1	0.14 < 10					
24833	04139402	0.90 < 0.01	1.8	0.20	112 < 10	50 < 0.5	6	0.01	7.5	9	81	64	2.73 < 10	2	0.08 < 10					
24834	04139402	1.52 < 0.01	3.0	0.26	92 < 10	30 < 0.5	2	0.04	1.5	23	45	119	5.14 < 10	1	0.12 < 10					
24835	04139402	1.70 < 0.02	2.0	0.45	48 < 10	30 < 0.5	2	0.73	2.5	12	45	95	3.32 < 10	1	0.16 < 10					
24836	04139402	1.82 < 0.01	1.8	0.59	28 < 10	60 < 0.5	6	1.59	2.5	7	64	77	2.24 < 10	1	0.20 < 10					
24837	04139402	1.46 < 0.01	2.2	0.48	26 < 10	90 < 0.5	2	0.77	16.5	9	48	99	2.05 < 10	1	0.17 < 10					
24838	04139402	1.64 < 0.01	2.0	0.36	32 < 10	90 < 0.5	2	0.59	9.0	8	51	73	2.07 < 10	1	0.13 < 10					
24839	04139402	1.70 < 0.01	2.2	0.48	42 < 10	40 < 0.5	2	0.60	10.5	10	54	94	2.49 < 10	1	0.16 < 10					
24840	04139402	1.38 < 0.01	2.8	0.41	54 < 10	20 < 0.5	2	0.29	13.5	9	71	102	2.80 < 10	1	0.13 < 10					
24841	04139402	1.04 < 0.01	2.8	0.39	52 < 10	30 < 0.5	2	0.27	13.0	9	62	99	2.79 < 10	1	0.13 < 10					
24842	04139402	1.48 < 0.02	2.6	0.49	82 < 10	20 < 0.5	2	0.77	7.5	11	56	104	3.80 < 10	3	0.16 < 10					
24843	04139402	2.86 < 0.01	2.4	0.48	82 < 10	30 < 0.5	4	1.60	5.5	13	44	119	4.24 < 10	1	0.15 < 10					
24844	04139402	1.68 < 0.01	0.4	0.29	22 < 10	90 < 0.5	2	0.21	0.5	9	87	31	1.99 < 10	1	0.13 < 10					
24845	04139402	1.68 < 0.01	0.2	0.36	14 < 10	100 < 0.5	2	0.19	0.5	10	106	27	1.88 < 10	1	0.15 < 10					
24846	04139402	1.72 < 0.01	0.2	0.34	18 < 10	110 < 0.5	2	0.31	0.5	10	92	31	1.94 < 10	1	0.14 < 10					
24847	04139402	1.44 < 0.01	0.2	0.37	18 < 10	90 < 0.5	2	0.66	0.5	11	88	29	2.53 < 10	1	0.15 < 10					
24848	04139402	1.56 < 0.01	0.2	0.39	28 < 10	20 < 0.5	2	0.28	0.5	16	74	47	5.06 < 10	1	0.18 < 10					
24849	04139402	1.60 < 0.01	0.2	0.39	12 < 10	80 < 0.5	2	0.09	0.5	17	27	33	2.30 < 10	1	0.20 < 10					
24850	04139402	1.72 < 0.01	0.2	0.46	4 < 10	70 < 0.5	2	0.25	0.5	13	55	28	2.69 < 10	1	0.17 < 10					
391001	04139402	2.50 < 0.01	0.2	0.18	110 < 10	40 < 0.5	2	8.97	1.0	16	28	49	5.33 < 10	1	0.10 < 10					
391002	04139402	1.16 < 0.01	0.8	0.27	64 < 10	10 < 0.5	2	0.15	0.5	24	58	153	12.75 < 10	1	0.15 < 10					
391003	04139402	2.94 < 0.05	0.4	0.32	46 < 10	10 < 0.5	6	0.17	0.5	12	51	75	8.48 < 10	1	0.17 < 10					
391004	04139402	2.10 < 0.01	0.2	0.25	18 < 10	100 < 0.5	2	0.07	0.5	7	72	37	1.83 < 10	1	0.13 < 10					
391005	04139402	2.02 < 0.01	0.2	0.24	24 < 10	40 < 0.5	2	0.06	0.5	9	65	38	2.32 < 10	1	0.13 < 10					

CERTIFICATION:

ALSCHEMEX LABS Alpha-HAX2

PAGE 004



ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 826 - 5TH AVE. SW
CALGARY, AB
T2P 0N7

Project: YUKON
Comments: ATTN: JEAN-PIERE JUTRAS

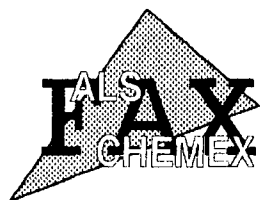
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Total Pages : 5
Certificate Date: 07-AUG-02
Invoice No. : 10220836
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS

A0220836

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24816	04139402	0.01	55	16 < 0.01	71	60	14	4.74	20	1	11 < 0.01	< 10	< 10	17	< 10	174		
24817	04139402	0.01	40	33 < 0.01	153	70	12	3.75	10	< 1	14 < 0.01	< 10	< 10	65	< 10	614		
24818	04139402	0.01	55	34 < 0.01	120	260	12	3.90	20	< 1	23 < 0.01	< 10	< 10	90	< 10	938		
24819	04139402	0.01	50	27 < 0.01	103	130	6	1.99	12	< 1	11 < 0.01	< 10	< 10	85	< 10	1300		
24820	04139402	0.01	55	36 < 0.01	136	110	10	2.54	12	< 1	11 < 0.01	< 10	< 10	82	< 10	1130		
24821	04139402	0.02	70	50 < 0.01	157	430	10	3.91	16	1	28 < 0.01	< 10	< 10	76	< 10	880		
24822	04139402	0.03	60	3 < 0.01	58	3170	10	4.08	10	2	86 < 0.01	< 10	< 10	100	< 10	272		
24823	04139402	0.03	50	16 < 0.01	91	1220	8	4.25	12	1	38 < 0.01	< 10	< 10	100	< 10	374		
24824	04139402	0.01	55	28 < 0.01	108	160	8	2.02	8	< 1	13 < 0.01	< 10	< 10	68	< 10	744		
24825	04139402	0.02	50	14 < 0.01	80	1880	8	3.66	8	1	59 < 0.01	< 10	< 10	108	< 10	596		
24826	04139402	0.02	60	18 < 0.01	95	1190	12	3.83	6	1	42 < 0.01	< 10	< 10	107	< 10	758		
24827	04139402	0.03	50	24 < 0.01	108	4040	10	4.06	6	3	142 < 0.01	< 10	10	122	< 10	408		
24828	04139402	0.01	65	45 < 0.01	119	90	10	3.99	8	< 1	11 < 0.01	< 10	< 10	48	< 10	226		
24829	04139402	0.01	90	33 < 0.01	103	340	10	3.59	10	< 1	19 < 0.01	< 10	10	101	< 10	764		
24830	04139402	0.03	125	24 < 0.01	106	2710	12	6.42	14	2	67 < 0.01	< 10	10	213	< 10	814		
24831	04139402	0.02	105	33 < 0.01	124	1820	14	3.73	10	3	64 < 0.01	< 10	10	137	< 10	844		
24832	04139402	0.03	65	24 < 0.01	87	2560	16	4.97	10	2	89 < 0.01	< 10	10	94	< 10	374		
24833	04139402	0.01	50	34 < 0.01	137	120	10	2.93	4	< 1	18 < 0.01	< 10	< 10	104	< 10	686		
24834	04139402	0.01	90	32 < 0.01	109	140	14	6.04	14	1	10 < 0.01	< 10	< 10	18	< 10	218		
24835	04139402	0.03	65	30 < 0.01	105	3430	10	3.95	10	1	36 < 0.01	< 10	< 10	56	< 10	346		
24836	04139402	0.05	40	8 < 0.01	82	7280	10	2.63	4	2	58 < 0.01	< 10	< 10	60	< 10	336		
24837	04139402	0.14	135	24 < 0.01	92	2740	8	2.32	10	1	31 < 0.01	< 10	< 10	132	< 10	1370		
24838	04139402	0.09	75	16 < 0.01	91	2370	14	2.35	8	1	24 < 0.01	< 10	< 10	82	< 10	712		
24839	04139402	0.07	80	12 < 0.01	75	2720	18	2.85	8	1	37 < 0.01	< 10	< 10	101	< 10	796		
24840	04139402	0.03	60	20 < 0.01	94	1520	14	3.25	10	1	35 < 0.01	< 10	< 10	104	< 10	976		
24841	04139402	0.03	60	20 < 0.01	91	1460	14	3.19	12	1	35 < 0.01	< 10	< 10	99	< 10	994		
24842	04139402	0.03	45	28 < 0.01	140	3910	18	4.52	12	2	50 < 0.01	< 10	10	102	< 10	734		
24843	04139402	0.77	305	29 < 0.03	134	1700	24	5.29	12	4	40 < 0.01	< 10	< 10	161	< 10	700		
24844	04139402	0.11	75	7 < 0.01	33	310	18	2.12	< 2	1	14 < 0.01	< 10	< 10	10	< 10	104		
24845	04139402	0.27	110	3 < 0.01	25	290	16	2.01	< 2	1	14 < 0.01	< 10	< 10	7	< 10	74		
24846	04139402	0.48	195	4 < 0.01	26	160	16	2.05	< 2	1	15 < 0.01	< 10	< 10	7	< 10	78		
24847	04139402	0.33	145	5 < 0.01	27	120	20	2.82	< 2	1	17 < 0.01	< 10	< 10	9	< 10	120		
24848	04139402	0.16	75	6 < 0.01	58	160	32	5.92	< 2	1	18 < 0.01	< 10	< 10	9	< 10	148		
24849	04139402	0.09	35	< 1 < 0.01	38	260	14	2.58	< 2	1	21 < 0.01	< 10	< 10	4	< 10	72		
24850	04139402	0.50	200	1 < 0.01	24	270	12	2.91	< 2	3	22 < 0.01	< 10	< 10	8	< 10	54		
391001	04139402	4.75	9930	10 < 0.01	43	90	16	5.81	< 2	5	344 < 0.01	< 10	10	14	< 10	68		
391002	04139402	0.08	215	1 < 0.01	55	300	48 > 10.00	4	< 1	11 < 0.01	< 10	< 10	10	< 10	296			
391003	04139402	0.06	90	< 1 < 0.01	32	510	22 > 10.00	4	< 1	18 < 0.01	< 10	< 10	7	< 10	142			
391004	04139402	0.03	95	1 < 0.01	30	230	6	1.95	< 2	< 1	11 < 0.01	< 10	< 10	8	< 10	154		
391005	04139402	0.03	95	4 < 0.01	28	190	10	2.56	2	< 1	9 < 0.01	< 10	< 10	7	< 10	110		

CERTIFICATION



ALS Chemex

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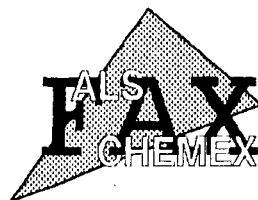
Account : QJD

CERTIFICATE OF ANALYSIS

A0220836

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391006	04139402	0.98	0.01	1.4	0.29	56	< 10	< 10	< 0.5	< 2	0.08	1.0	22	78	167	11.20	< 10	< 1	0.16	< 10
391007	04139402	2.26	< 0.01	0.6	0.37	34	< 10	30	0.5	< 2	0.40	< 0.5	12	60	61	3.59	< 10	< 1	0.20	< 10
391008	04139402	1.06	0.03	1.2	0.33	88	< 10	10	< 0.5	8	1.84	5.0	9	55	132	12.25	< 10	< 1	0.19	< 10
391009	04139402	1.10	0.05	2.0	0.27	108	< 10	10	< 0.5	2	1.62	6.0	21	49	144	8.61	< 10	< 1	0.16	< 10
391010	04139402	1.06	0.01	0.8	0.35	46	< 10	30	< 0.5	6	2.00	1.5	11	38	99	4.85	< 10	1	0.22	< 10
391011	04139402	1.02	0.01	0.8	0.30	66	< 10	20	< 0.5	< 2	3.72	2.0	9	43	108	9.12	< 10	1	0.17	< 10
391012	04139402	0.60	0.03	0.6	0.32	32	< 10	10	< 0.5	10	0.59	0.5	5	61	105	8.81	< 10	< 1	0.19	< 10
391013	04139402	0.50	0.20	2.2	0.17	262	< 10	< 10	< 0.5	12	1.20	6.0	9	61	322	>15.00	< 10	< 1	0.11	< 10
391014	04139402	1.04	0.06	1.2	0.28	66	< 10	< 10	< 0.5	6	0.24	2.0	5	62	135	14.35	< 10	< 1	0.17	< 10
391015	04139402	1.88	0.07	1.0	0.18	70	< 10	< 10	< 0.5	14	0.05	5.5	< 1	64	137	>15.00	< 10	< 1	0.12	< 10
391016	04139402	1.40	0.07	3.0	0.33	48	< 10	40	< 0.5	2	0.87	3.0	5	96	113	3.65	< 10	1	0.11	< 10
391017	04139402	3.10	0.01	1.8	0.20	88	< 10	90	< 0.5	6	2.92	7.5	9	133	212	2.87	< 10	< 1	0.12	< 10
391018	04139402	1.94	0.01	3.8	0.18	46	< 10	120	0.5	< 2	1.41	14.5	9	166	119	1.66	< 10	2	0.11	< 10
391019	04139402	0.52	0.02	9.2	0.24	266	< 10	10	0.5	14	1.32	15.0	5	87	393	12.10	< 10	5	0.12	< 10
391020	04139402	0.66	< 0.01	6.4	0.27	164	< 10	30	< 0.5	2	1.71	5.0	10	65	370	5.39	< 10	3	0.15	< 10
391021	04139402	0.50	0.02	6.2	0.24	212	< 10	< 10	< 0.5	8	0.18	5.5	12	74	383	>15.00	< 10	1	0.15	< 10
391022	04139402	0.68	0.01	1.6	0.32	112	< 10	10	< 0.5	6	0.40	1.5	9	40	195	9.04	< 10	< 1	0.19	< 10
391023	04139402	2.28	< 0.01	0.8	0.28	100	< 10	< 10	< 0.5	2	0.17	2.0	11	48	146	8.09	< 10	< 1	0.19	< 10
391024	04139402	0.74	< 0.01	27.6	0.16	1325	< 10	120	< 0.5	6	1.03	16.0	4	97	2760	1.12	< 10	11	0.08	< 10
391025	04139402	0.36	0.04	1.2	0.20	84	< 10	10	< 0.5	12	5.54	3.5	22	23	138	12.40	< 10	< 1	0.13	< 10
391026	04139402	1.60	0.02	0.4	0.27	38	< 10	30	< 0.5	6	4.25	1.5	5	32	96	6.10	< 10	1	0.18	< 10
391027	04139402	0.40	0.38	1.0	0.26	114	< 10	< 10	< 0.5	10	0.55	2.0	9	52	185	14.60	< 10	< 1	0.16	< 10
391028	04139402	0.60	0.04	0.6	0.19	74	< 10	40	< 0.5	6	2.92	1.5	8	31	116	8.01	< 10	< 1	0.13	< 10
391029	04139402	0.44	0.02	1.6	0.27	146	< 10	< 10	< 0.5	8	0.17	3.5	16	61	309	>15.00	< 10	< 1	0.17	< 10
391030	04139402	2.40	< 0.01	< 0.2	0.94	70	< 10	10	0.5	2	2.51	0.5	15	114	38	2.23	< 10	< 1	0.10	30
391031	04139402	2.12	0.02	0.2	0.77	14	< 10	10	0.5	< 2	0.56	< 0.5	5	92	215	2.09	< 10	< 1	0.23	< 10
391032	04139402	1.18	< 0.01	< 0.2	3.45	46	< 10	< 10	0.5	2	2.95	11.5	19	109	99	5.17	10	< 1	0.04	< 10
391601	04139402	1.56	< 0.01	< 0.2	0.41	6	< 10	30	< 0.5	< 2	0.61	0.5	14	56	38	6.37	< 10	< 1	0.11	< 10
391602	04139402	1.46	< 0.01	< 0.2	0.46	12	< 10	30	0.5	6	0.28	< 0.5	18	27	24	4.28	< 10	< 1	0.19	< 10
391603	04139402	1.90	< 0.01	< 0.2	0.38	10	< 10	120	0.5	< 2	0.26	< 0.5	18	36	31	1.46	< 10	< 1	0.16	< 10
391604	04139402	1.66	< 0.01	< 0.2	0.40	8	< 10	150	0.5	< 2	0.27	< 0.5	9	46	27	0.91	< 10	< 1	0.18	< 10
391605	04139402	1.64	< 0.01	< 0.2	0.38	6	< 10	110	0.5	< 2	0.08	< 0.5	14	24	46	1.69	< 10	< 1	0.21	< 10
391606	04139402	1.86	< 0.01	< 0.2	0.30	8	< 10	90	< 0.5	< 2	0.25	< 0.5	11	73	32	1.90	< 10	< 1	0.14	< 10
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391608	04139402	1.70	< 0.01	< 0.2	0.34	12	< 10	90	< 0.5	2	0.17	< 0.5	13	61	29	2.09	< 10	< 1	0.16	< 10
391609	04139402	2.02	< 0.01	< 0.2	0.36	16	< 10	50	< 0.5	< 2	0.11	< 0.5	12	66	37	3.75	< 10	< 1	0.14	< 10
391610	04139402	1.64	0.04	< 0.2	0.35	14	< 10	60	< 0.5	< 2	0.13	< 0.5	12	44	35	3.26	< 10	< 1	0.16	< 10
391611	04139402	3.54	< 0.01	< 0.2	0.34	14	< 10	90	< 0.5	< 2	0.16	< 0.5	12	58	29	2.69	< 10	< 1	0.15	< 10
391612	04139402	2.12	< 0.01	< 0.2	0.37	14	< 10	50	0.5	< 2	0.23	< 0.5	19	48	35	3.47	< 10	< 1	0.17	< 10
391613	04139402	1.96	< 0.01	< 0.2	0.34	10	< 10	180	0.5	2	0.13	< 0.5	11	40	38	1.06	< 10	< 1	0.18	< 10

CERTIFICATION:



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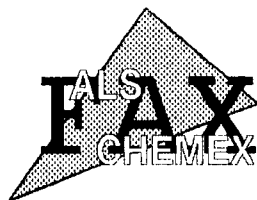
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SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
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391007	94139402	0.08	145	3	0.01	40	1430	16	4.14	2	1	112	0.01	10	10	11	10	94
391008	94139402	0.91	315	1	0.01	73	160	48	10.00	4	4	99	0.01	10	10	11	10	440
391009	94139402	0.83	515	2	0.01	95	170	42	10.00	6	1	101	0.01	10	10	8	10	962
391010	94139402	1.06	290	1	0.01	37	200	24	5.69	2	3	108	0.01	10	10	8	10	324
391011	94139402	1.86	350	1	0.01	45	980	22	10.00	4	4	235	0.01	10	10	7	10	72
391012	94139402	0.29	90	1	0.01	31	290	20	10.00	2	1	51	0.01	10	10	4	10	50
391013	94139402	0.53	190	3	0.01	135	500	118	10.00	6	1	113	0.01	10	10	3	10	280
391014	94139402	0.25	55	1	0.01	41	250	54	10.00	2	1	26	0.01	10	10	3	10	192
391015	94139402	0.09	25	1	0.01	35	160	82	10.00	2	1	3	0.01	10	10	1	10	132
391016	94139402	0.41	320	6	0.01	77	1190	22	3.94	8	1	81	0.01	10	10	55	10	336
391017	94139402	1.54	3520	3	0.01	92	290	772	2.24	242	2	156	0.01	10	10	12	10	2280
391018	94139402	0.75	1535	12	0.01	127	410	202	1.02	80	1	123	0.01	10	10	43	10	2600
391019	94139402	0.63	450	54	0.01	152	1340	132	10.00	64	1	147	0.01	10	10	20	134	1820
391020	94139402	0.84	295	9	0.01	81	1480	30	6.83	42	4	169	0.01	10	10	31	10	704
391021	94139402	0.09	515	14	0.01	198	250	100	10.00	14	1	9	0.01	10	10	5	10	960
391022	94139402	0.11	60	1	0.01	63	1220	32	10.00	2	1	54	0.01	10	10	12	10	174
391023	94139402	0.06	120	1	0.01	59	520	24	9.74	6	1	22	0.01	10	10	6	10	278
391024	94139402	0.56	190	22	0.01	239	450	12	1.40	278	1	86	0.01	10	10	568	10	940
391025	94139402	3.04	2950	1	0.01	81	490	46	10.00	6	20	348	0.01	10	10	9	10	186
391026	94139402	2.22	535	1	0.01	20	390	20	7.16	2	9	239	0.01	10	10	10	10	140
391027	94139402	0.33	85	1	0.01	104	230	46	10.00	2	1	35	0.01	10	10	5	10	132
391028	94139402	1.50	390	1	0.01	76	130	20	9.73	2	5	193	0.01	10	10	10	10	132
391029	94139402	0.05	35	2	0.01	44	620	72	10.00	10	1	28	0.01	10	10	4	10	262
391030	94139402	1.07	340	4	0.01	85	1400	22	0.19	2	2	15	0.01	10	10	82	10	236
391031	94139402	0.36	65	36	0.01	117	2780	20	0.42	2	1	7	0.01	10	10	83	10	158
391032	94139402	4.29	575	4	0.03	115	560	26	1.73	4	19	17	0.09	10	10	306	10	2260
391601	94139402	1.10	480	1	0.01	30	120	20	7.72	2	3	17	0.01	10	10	9	10	62
391602	94139402	0.65	200	1	0.01	33	240	14	4.91	2	3	28	0.01	10	10	8	10	74
391603	94139402	0.61	180	1	0.01	36	160	10	1.35	2	3	33	0.01	10	10	6	10	42
391604	94139402	0.28	70	1	0.02	19	190	10	0.81	2	1	39	0.01	10	10	5	10	36
391605	94139402	0.13	40	1	0.02	23	170	14	1.74	2	1	25	0.01	10	10	6	10	58
391606	94139402	0.18	50	2	0.01	25	160	16	1.96	2	1	31	0.01	10	10	5	10	48
391607	94139402	0.15	50	2	0.02	24	230	20	2.25	2	1	29	0.01	10	10	5	10	68
391608	94139402	0.27	95	3	0.02	28	210	20	2.09	2	1	31	0.01	10	10	6	10	80
391609	94139402	0.20	65	3	0.01	28	170	28	4.13	2	1	27	0.01	10	10	5	10	50
391610	94139402	0.23	70	1	0.02	28	120	16	3.44	2	1	29	0.01	10	10	6	10	34
391611	94139402	0.27	110	2	0.02	25	230	20	2.64	2	1	36	0.01	10	10	4	10	48
391612	94139402	0.38	175	2	0.02	39	270	20	3.39	2	1	42	0.01	10	10	5	10	164
391613	94139402	0.23	90	1	0.02	27	160	16	0.66	2	1	33	0.01	10	10	5	10	28

CERTIFICATION:

ALS-CHEMEX LABS H1PNA-FHX2

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ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada V7J 2C1

PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 926 - 5TH AVE. SW

CALGARY, AB

T2P 0N7

Project: YUKON

Comments: ATTN: JEAN-PIERE JUTRAS

Page Number : 4-A

Total Pages : 5

Certificate Date: 07-AUG-02

Invoice No. : 10220836

P.O. Number :

Account : QJD

CERTIFICATE OF ANALYSIS

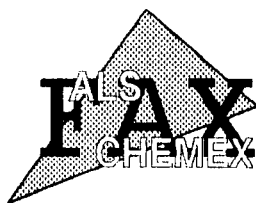
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391615	04139402	1.82	0.01	< 0.2	0.33	16	< 10	80	0.5	< 2	0.25	< 0.5	17	76	46	3.08	< 10	< 1	0.16	< 10
391616	04139402	1.92	< 0.01	< 0.2	0.35	10	< 10	170	0.5	< 2	0.10	< 0.5	8	74	28	1.02	< 10	< 1	0.17	< 10
391617	04139402	1.92	< 0.01	< 0.2	0.33	10	< 10	150	< 0.5	< 2	0.16	< 0.5	12	85	41	1.07	< 10	< 1	0.16	< 10
391618	04139402	1.98	< 0.01	< 0.2	0.31	8	< 10	110	< 0.5	< 2	0.38	< 0.5	10	70	20	2.46	< 10	< 1	0.14	< 10
391619	04139402	1.32	< 0.01	< 0.2	0.34	4	< 10	40	0.5	< 2	0.30	< 0.5	17	36	42	3.64	< 10	< 1	0.18	< 10
391620	04139402	1.52	0.01	1.4	0.41	118	< 10	30	1.0	< 2	1.22	2.5	21	41	97	4.73	< 10	< 1	0.09	< 10
391621	04139402	0.38	0.01	3.8	0.31	240	< 10	10	< 0.5	2	0.10	8.5	7	84	121	9.36	< 10	< 1	0.08	< 10
391622	04139402	1.70	< 0.01	1.0	0.19	118	< 10	80	< 0.5	< 2	0.01	6.0	11	156	57	2.23	< 10	< 1	0.06	< 10
391623	04139402	1.44	< 0.01	1.0	0.20	104	< 10	90	< 0.5	2	< 0.01	2.0	10	143	47	2.15	< 10	< 1	0.07	< 10
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391625	04139402	1.50	< 0.01	1.0	0.22	150	< 10	40	< 0.5	< 2	< 0.01	4.0	11	113	58	3.13	< 10	< 1	0.08	< 10
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391627	04139402	1.34	< 0.01	0.6	0.20	70	< 10	80	< 0.5	< 2	< 0.01	13.0	6	136	42	1.56	< 10	< 1	0.06	< 10
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391629	04139402	1.00	0.07	0.8	0.23	146	< 10	20	< 0.5	< 2	< 0.01	19.5	10	153	45	2.78	< 10	< 1	0.05	< 10
391630	04139402	1.34	< 0.01	1.2	0.23	212	< 10	30	< 0.5	< 2	< 0.01	3.0	13	121	64	3.95	< 10	1	0.07	< 10
391631	04139402	1.66	< 0.01	0.8	0.18	102	< 10	60	< 0.5	< 2	< 0.01	2.0	6	151	35	2.05	< 10	< 1	0.05	< 10
391632	04139402	2.14	< 0.01	1.0	0.30	140	< 10	30	< 0.5	< 2	0.05	2.5	11	65	60	3.67	< 10	< 1	0.11	< 10
391633	04139402	1.52	0.01	1.0	0.33	148	< 10	10	< 0.5	< 2	0.01	5.5	17	44	84	6.60	< 10	< 1	0.12	< 10
391634	04139402	1.60	< 0.01	0.2	0.34	28	< 10	20	0.5	2	0.12	< 0.5	16	45	40	4.53	< 10	< 1	0.16	< 10
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391637	04139402	1.90	< 0.01	< 0.2	0.54	26	< 10	50	0.5	8	6.10	< 0.5	10	29	32	3.68	< 10	1	0.19	< 10
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391640	04139402	1.18	< 0.01	< 0.2	0.27	18	< 10	50	< 0.5	4	1.80	< 0.5	10	103	27	2.91	< 10	1	0.11	< 10
391641	04139402	2.50	< 0.01	< 0.2	0.35	10	< 10	60	< 0.5	< 2	1.21	< 0.5	9	77	21	2.42	< 10	< 1	0.15	< 10
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391649	04139402	1.40	< 0.01	< 0.2	0.33	16	< 10	70	< 0.5	< 2	0.03	< 0.5	10	27	31	2.54	< 10	< 1	0.20	< 10
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391653	04139402	0.92	< 0.01	0.2	0.29	20	< 10	20	< 0.5	< 2	0.52	0.5	9	59	36	5.84	< 10	< 1	0.16	< 10

CERTIFICATION:

ALS CHEMEX LHRB H1Pna-FHX2

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ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada

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PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 926 - 5TH AVE. SW

CALGARY, AB

T2P 0N7

Project: YUKON

Comments: ATTN: JEAN-PIERE JUTRAS

Page Number :4-B

Total Pages :5

Certificate Date: 07-AUG-02

Invoice No. :10220836

P.O. Number :

Account :QJD

CERTIFICATE OF ANALYSIS

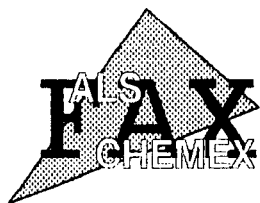
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391617	04139402	0.25	135	3	0.02	24	290	16	0.50	< 2	3	29	< 0.01	< 10	< 10	5	< 10	50
391618	04139402	0.42	275	< 1	0.02	19	220	22	2.11	< 2	1	29	< 0.01	< 10	< 10	5	< 10	58
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391641	04139402	0.62	230	1	0.01	22	410	10	2.72	< 2	1	38	< 0.01	< 10	< 10	5	< 10	78
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391648	04139402	0.12	40	1	0.01	35	140	42	3.53	< 2	1	19	< 0.01	< 10	< 10	5	< 10	160
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391651	04139402	0.31	95	< 1	0.01	33	70	24	3.25	< 2	1	15	< 0.01	< 10	< 10	5	< 10	108
391652	04139402	0.15	105	< 1	0.01	33	160	32	4.16	< 2	1	19	< 0.01	< 10	< 10	4	< 10	118
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CERTIFICATION:

ALS CHEMEX LABS ALPHA-HXZ

PAGE 009



ALS Chemex

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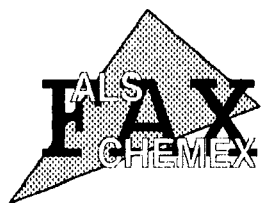
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391663	04139402	1.60	< 0.01	< 0.2	0.31	34	< 10	10	< 0.5	< 2	0.01	< 0.5	9	45	27	4.49	< 10	< 1	0.18	< 10
391664	04139402	1.32	< 0.01	< 0.2	0.31	34	< 10	50	< 0.5	< 2	0.02	< 0.5	15	45	31	3.42	< 10	< 1	0.18	< 10
391665	04139402	1.10	0.03	< 0.2	0.32	26	< 10	60	< 0.5	< 2	0.24	< 0.5	17	97	31	2.45	< 10	< 1	0.17	< 10
391666	04139402	1.58	< 0.01	< 0.2	0.30	18	< 10	160	< 0.5	< 2	0.54	< 0.5	9	71	20	1.26	< 10	< 1	0.16	< 10
391667	04139402	1.46	0.15	< 0.2	0.19	22	< 10	70	< 0.5	< 2	2.70	< 0.5	6	127	13	2.15	< 10	< 1	0.09	< 10
391668	04139402	1.00	< 0.01	< 0.2	0.29	18	< 10	40	< 0.5	< 2	0.96	< 0.5	10	79	22	2.64	< 10	< 1	0.14	< 10
391669	04139402	2.22	< 0.01	< 0.2	0.42	36	< 10	40	0.5	< 2	0.97	< 0.5	19	71	41	3.62	< 10	< 1	0.17	< 10
391670	04139402	1.18	< 0.01	< 0.2	0.42	24	< 10	40	0.5	< 2	0.22	< 0.5	16	35	35	3.66	< 10	< 1	0.20	< 10
391671	04139402	1.80	< 0.01	< 0.2	0.33	20	< 10	40	0.5	< 2	1.60	< 0.5	15	64	40	4.83	< 10	< 1	0.16	< 10
391672	04139402	1.64	0.01	< 0.2	0.32	14	< 10	100	0.5	< 2	0.98	< 0.5	12	71	27	1.89	< 10	< 1	0.16	< 10
391673	04139402	1.60	< 0.01	< 0.2	0.40	16	< 10	50	0.5	< 2	0.10	< 0.5	17	27	49	3.43	< 10	< 1	0.19	< 10
391674	04139402	2.06	< 0.01	< 0.2	0.35	18	< 10	50	0.5	< 2	0.35	< 0.5	17	47	43	4.27	< 10	< 1	0.15	< 10
391675	04139402	1.74	< 0.01	< 0.2	0.31	22	< 10	50	0.5	< 2	1.55	< 0.5	13	72	43	4.04	< 10	< 1	0.14	< 10
391676	04139402	2.06	0.01	< 0.2	0.32	28	< 10	40	0.5	< 2	0.52	< 0.5	16	54	43	4.36	< 10	< 1	0.15	< 10
391677	04139402	1.78	< 0.01	< 0.2	0.28	12	< 10	110	< 0.5	< 2	1.07	< 0.5	9	84	19	1.09	< 10	< 1	0.14	< 10
391678	04139402	1.64	0.04	< 0.2	0.31	28	< 10	50	0.5	< 2	0.47	< 0.5	22	29	34	2.09	< 10	< 1	0.16	< 10
391679	04139402	1.62	0.02	< 0.2	0.32	24	< 10	60	0.5	< 2	0.50	< 0.5	22	42	32	1.94	< 10	< 1	0.16	< 10
391680	04139402	2.16	< 0.01	< 0.6	0.32	58	< 10	40	0.5	< 2	0.39	< 0.5	17	56	47	2.79	< 10	< 1	0.14	< 10
391681	04139402	1.32	< 0.01	< 0.2	0.32	30	< 10	10	< 0.5	< 2	0.10	< 0.5	11	70	31	8.08	< 10	< 1	0.14	< 10
391682	04139402	1.74	< 0.01	< 0.2	0.34	38	< 10	20	0.5	< 2	0.06	< 0.5	21	45	23	3.72	< 10	< 1	0.18	< 10
391683	04139402	1.64	0.02	< 0.2	0.40	38	< 10	80	0.5	< 2	0.05	< 0.5	17	69	24	1.88	< 10	< 1	0.19	< 10
391684	04139402	1.94	0.02	< 0.2	0.27	36	< 10	60	< 0.5	< 2	0.01	< 0.5	9	89	18	2.11	< 10	< 1	0.12	< 10
391685	04139402	1.58	< 0.01	< 0.6	0.35	112	< 10	20	< 0.5	< 2	0.03	< 0.5	13	107	43	3.61	< 10	< 1	0.12	< 10
391686	04139402	2.68	< 0.01	< 0.2	0.29	68	< 10	40	< 0.5	< 2	0.03	< 0.5	7	52	29	1.48	< 10	< 1	0.01	< 10
391687	04139402	2.26	0.11	< 0.2	0.30	66	< 10	40	< 0.5	< 2	0.02	< 0.5	8	41	27	1.77	< 10	< 1	0.03	< 10
391688	04139402	2.24	0.01	< 0.2	0.27	120	< 10	30	< 0.5	< 2	0.03	< 0.5	9	34	43	2.92	< 10	< 1	0.04	< 10
391689	04139402	1.62	< 0.01	< 0.2	0.38	96	< 10	30	< 0.5	< 2	0.04	< 0.5	12	48	34	2.84	< 10	< 1	0.06	< 10
391690	04139402	2.28	< 0.01	< 0.2	0.23	60	< 10	50	< 0.5	< 2	2.89	< 0.5	8	34	21	1.95	< 10	< 1	0.03	< 10
391691	04139402	2.46	< 0.01	< 0.2	0.31	64	< 10	40	< 0.5	< 2	1.14	< 0.5	8	48	29	2.38	< 10	< 1	0.07	< 10
391692	04139402	1.96	0.01	< 0.2	0.29	90	< 10	30	< 0.5	< 2	0.09	< 0.5	9	44	33	2.41	< 10	< 1	0.06	< 10
391693	04139402	1.90	0.01	< 0.2	0.28	66	< 10	40	< 0.5	< 2	0.50	< 0.5	8	47	35	2.14	< 10	< 1	0.09	< 10

CERTIFICATION:

ALS CHEMEX LABS H1PRA-FHXZ

PAGE 010



ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver

British Columbia, Canada

PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

SUITE 500 - 926 - 5TH AVE. SW

CALGARY, AB

T2P 0N7

Project: YUKON

Comments: ATTN: JEAN-PIERE JUTRAS

Page Number :5-B

Total Pages :5

Certificate Date: 07-AUG-02

Invoice No. : 10220836

P.O. Number :

Account : QJD

CERTIFICATE OF ANALYSIS

A0220836

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
391654	04139402	0.29	220	1	0.01	31	110	18	3.29	< 2	1	17	< 0.01	< 10	< 10	5	< 10	110
391655	04139402	0.07	135	1	0.01	26	320	24	2.67	< 2	1	26	< 0.01	< 10	< 10	6	< 10	168
391656	04139402	0.05	55	< 1	0.01	14	90	10	0.65	< 2	< 1	16	< 0.01	< 10	< 10	4	< 10	78
391657	04139402	0.08	70	1	0.01	21	350	18	0.89	< 2	< 1	34	< 0.01	< 10	< 10	5	< 10	140
391658	04139402	0.13	90	1	0.01	29	220	52	1.11	2	1	27	< 0.01	< 10	< 10	5	< 10	264
391659	04139402	0.03	35	< 1	0.01	11	120	4	0.29	< 2	1	21	< 0.01	< 10	< 10	7	< 10	102
391660	04139402	0.02	35	1	0.01	18	110	26	2.18	< 2	1	17	< 0.01	< 10	< 10	6	< 10	298
391661	04139402	0.06	120	1	0.01	33	70	30	4.14	2	1	11	< 0.01	< 10	< 10	4	< 10	168
391662	04139402	0.06	180	< 1	0.01	26	120	48	3.35	< 2	1	12	< 0.01	< 10	< 10	4	< 10	214
391663	04139402	0.06	190	< 1	0.01	27	70	38	5.07	< 2	< 1	11	< 0.01	< 10	< 10	4	< 10	244
391664	04139402	0.07	90	< 1	0.01	38	80	34	3.69	< 2	1	13	< 0.01	< 10	< 10	5	< 10	246
391665	04139402	0.30	180	1	0.01	33	60	24	2.10	< 2	4	19	< 0.01	< 10	< 10	7	< 10	110
391666	04139402	0.33	245	< 1	0.01	19	70	14	0.92	< 2	1	57	< 0.01	< 10	< 10	5	< 10	70
391667	04139402	1.36	965	< 1	0.01	19	50	14	1.65	< 2	2	163	< 0.01	< 10	< 10	6	< 10	80
391668	04139402	0.49	445	< 1	0.02	24	30	6	2.46	< 2	2	80	< 0.01	< 10	< 10	6	< 10	102
391669	04139402	0.58	530	1	0.03	42	70	22	3.74	< 2	6	60	< 0.01	< 10	< 10	10	< 10	110
391670	04139402	0.27	95	< 1	0.02	33	50	14	4.03	< 2	2	26	< 0.01	< 10	< 10	6	< 10	78
391671	04139402	0.93	1040	< 1	0.03	38	80	12	5.29	< 2	4	65	< 0.01	< 10	< 10	7	< 10	106
391672	04139402	0.52	640	< 1	0.03	29	70	10	1.60	< 2	3	46	< 0.01	< 10	< 10	5	< 10	118
391673	04139402	0.28	160	1	0.03	42	70	16	3.33	< 2	1	25	< 0.01	< 10	< 10	5	< 10	80
391674	04139402	0.70	695	1	0.02	34	50	18	2.77	< 2	2	43	< 0.01	< 10	< 10	8	< 10	86
391675	04139402	0.74	845	< 1	0.02	37	30	14	4.57	< 2	2	125	< 0.01	< 10	< 10	5	< 10	160
391676	04139402	0.26	235	< 1	0.02	48	50	22	5.18	< 2	1	46	< 0.01	< 10	< 10	4	< 10	88
391677	04139402	0.59	505	< 1	0.02	18	30	2	1.10	< 2	2	101	< 0.01	< 10	< 10	3	< 10	58
391678	04139402	0.25	320	< 1	0.01	45	30	20	2.43	< 2	3	56	< 0.01	< 10	< 10	4	< 10	134
391679	04139402	0.27	270	< 1	0.01	40	40	14	2.24	< 2	3	64	< 0.01	< 10	< 10	4	< 10	154
391680	04139402	0.21	190	5	0.01	51	70	12	3.25	< 2	3	63	< 0.01	< 10	< 10	16	< 10	228
391681	04139402	0.06	40	< 1	0.01	37	90	< 2	9.97	2	1	8	< 0.01	< 10	< 10	4	< 10	78
391682	04139402	0.04	30	< 1	0.01	59	80	14	4.25	< 2	1	11	< 0.01	< 10	< 10	3	< 10	88
391683	04139402	0.03	40	< 1	0.01	32	90	10	2.02	< 2	1	13	< 0.01	< 10	< 10	5	< 10	82
391684	04139402	0.01	40	1	0.01	21	70	8	2.28	< 2	< 1	7	< 0.01	< 10	< 10	3	< 10	32
391685	04139402	0.02	50	13	< 0.01	81	80	14	4.06	6	3	8	< 0.01	< 10	< 10	25	< 10	140
391686	04139402	0.01	35	11	< 0.01	76	90	2	1.64	< 2	3	21	0.03	< 10	< 10	245	< 10	212
391687	04139402	< 0.01	25	10	< 0.01	86	190	4	2.00	< 2	2	26	< 0.01	< 10	< 10	119	< 10	182
391688	04139402	< 0.01	25	17	< 0.01	71	120	12	3.18	< 2	1	17	< 0.01	< 10	< 10	24	< 10	118
391689	04139402	0.01	30	14	< 0.01	140	180	8	3.10	< 2	2	17	< 0.01	< 10	< 10	58	< 10	216
391690	04139402	0.51	175	10	< 0.01	79	40	6	1.65	< 2	2	88	< 0.01	< 10	< 10	30	< 10	154
391691	04139402	0.51	140	11	< 0.01	77	100	6	2.35	< 2	4	52	< 0.01	< 10	< 10	42	< 10	172
391692	04139402	0.05	40	12	< 0.01	109	80	8	2.60	< 2	2	23	< 0.01	< 10	< 10	37	< 10	190
391693	04139402	0.17	75	12	< 0.01	93	110	6	2.38	< 2	3	70	< 0.01	< 10	< 10	61	< 10	178

CERTIFICATION:

**ALS Chemex****EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Inc.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 904 0221 Fax: 604 904 0218

MANSON CREEK RESOURCES LTD.

500 - 926 5TH AVE. S.W.

CALGARY AB T2P 0N7

Page #: 1

Date: 12-Nov-2002

Account: QJD

CERTIFICATE VA02005140

Project : Yukon

P.O. No:

This report is for 68 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 28-Oct-2002.

The following have access to data associated with this certificate:

JP JUTRAS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 element aqua regia ICP-AES	ICP-AES
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS

To: MANSON CREEK RESOURCES LTD.

ATTN: JP JUTRAS

500 - 926 5TH AVE. S.W.

CALGARY AB T2P 0N7

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:

**ALS Chemex****EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd

212 Brooksbank Avenue

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Page #: 2 - A

Total # of pages : 3 (A - C)

Date : 12-Nov-2002

Account: QJD

Project : Yukon

CERTIFICATE OF ANALYSIS VA02005140

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	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 2.00	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	ME-ICP41 Ga ppm 10
24551		0.84	<0.2	0.28	11	<10	40	<0.5	4	5.46	<0.5	29	204	67	2.11	<10
24552		0.52	0.2	0.25	12	<10	60	<0.5	5	5.38	<0.5	37	266	118	2.31	10
24553		1.06	0.4	1.79	2	<10	20	<0.5	<2.00	0.75	1.0	19	228	580	2.43	<10
24554		0.80	3.5	1.94	20	<10	<10.0	<0.5	4	0.68	10.4	33	218	865	3.67	<10
24555		0.92	1.8	1.10	<2	<10	<10.0	0.6	<2.00	0.75	0.7	50	19	395	4.12	<10
24556		1.26	1.1	0.14	757	<10	430	<0.5	<2.00	0.05	4.0	1	85	39	1.50	<10
24557		1.24	5.9	0.14	831	<10	260	<0.5	<2.00	0.04	6.6	3	81	66	1.29	<10
24601		0.82	0.4	0.61	9	<10	40	1.0	<2.00	0.25	<0.5	7	64	19	1.28	<10
24602		0.96	0.7	0.64	77	<10	10	1.3	<2.00	0.62	<0.5	11	53	237	3.48	<10
24603		1.38	<0.2	1.74	<2	<10	20	<0.5	<2.00	0.04	<0.5	22	41	432	3.25	10
24604		1.58	2.3	0.27	6	<10	<10.0	<0.5	6	0.19	<0.5	352	92	4780	>15.0	<10
24605		0.66	8.5	0.34	2	<10	20	<0.5	<2.00	0.07	3.3	26	80	2630	2.09	<10
24701		1.14	0.8	1.03	6	10	70	<0.5	<2.00	0.17	<0.5	80	983	41	3.63	<10
24702		0.66	1.1	0.16	3	50	470	<0.5	3	0.08	<0.5	82	485	11	3.37	<10
24703		1.18	4.2	0.15	728	<10	190	<0.5	<2.00	0.09	30.1	3	35	40	1.56	<10
24704		1.28	6.5	0.26	940	10	60	<0.5	7	1.34	6.3	4	40	66	4.25	<10
24705		1.86	>100	0.10	9530	<10	40	<0.5	<2.00	0.39	4.3	2	78	1070	5.05	<10
24706		1.70	6.1	0.33	400	10	60	<0.5	<2.00	0.18	8.1	10	28	97	3.62	<10
24707		1.06	3.5	0.33	1355	<10	240	<0.5	4	0.61	34.5	3	44	107	4.18	<10
24708		0.74	2.9	0.12	512	<10	240	<0.5	4	0.57	10.5	1	63	42	1.45	<10
24709		1.70	3.7	0.10	442	<10	160	<0.5	<2.00	0.02	0.6	1	73	39	0.79	<10
24710		1.84	21.4	0.15	363	<10	300	<0.5	<2.00	0.04	3.0	3	54	120	1.12	<10
24711		1.02	1.1	0.13	165	<10	160	<0.5	<2.00	0.17	3.0	3	65	16	1.28	<10
24712		1.14	2.3	0.12	94	<10	200	<0.5	<2.00	0.22	3.2	1	71	15	1.20	<10
24713		1.60	4.0	0.12	167	<10	220	<0.5	<2.00	0.05	3.8	1	68	15	0.68	<10
24714		1.62	4.7	0.15	112	<10	250	<0.5	<2.00	0.27	10.7	1	86	64	0.95	<10
24715		0.70	>100	0.09	>10000	<10	40	<0.5	<2.00	0.03	18.6	1	101	146	0.57	<10
24716		0.94	3.0	0.04	>10000	<10	10	<0.5	7	0.02	2.1	<1	77	21	14.85	<10
24951		0.70	2.4	0.31	81	10	160	<0.5	<2	0.96	7.0	5	70	99	1.53	<10
24952		0.36	1.1	0.22	138	<10	130	<0.5	<2	0.11	8.1	5	72	253	1.34	<10
24953		0.56	0.8	0.14	24	<10	100	<0.5	<2	0.16	3.0	3	65	58	1.04	<10
24954		0.70	1.1	0.17	17	<10	120	<0.5	<2	0.18	4.0	2	64	109	0.85	<10
24955		0.54	1.2	0.17	16	<10	120	<0.5	<2	0.26	1.8	2	66	70	0.92	<10
24956		0.84	2.3	0.26	16	10	180	<0.5	<2	1.05	2.1	3	60	78	1.03	<10
24957		0.74	1.5	0.32	22	10	150	<0.5	<2	0.74	4.4	3	59	257	1.00	<10
24958		0.80	1.8	0.42	34	10	170	0.5	<2	0.26	9.0	5	71	222	1.68	<10
24959		0.76	1.8	0.39	33	10	130	0.5	<2	0.55	2.4	4	73	164	1.95	<10
24960		0.80	2.2	0.18	28	<10	70	<0.5	<2	1.80	6.6	6	82	51	3.39	<10
24961		0.66	1.2	0.17	16	<10	100	<0.5	<2	0.32	34.4	4	91	25	1.83	<10
24962		0.66	0.6	0.20	8	<10	150	<0.5	<2	0.42	11.8	4	83	11	1.05	<10



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Page #: 2 - B

Total # of pages : 3 (A - C)

Date : 12-Nov-2002

Account: QJD

Project : Yukon

CERTIFICATE OF ANALYSIS

VA02005140

Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Ti % 0.01
Sample Description															
24551	<1	0.02	<10	4.31	417	1	<0.01	460	100	6	0.19	<2	2	228	<0.01
24552	<1	0.01	<10	4.24	396	<1	<0.01	537	80	4	0.24	<2	2	223	<0.01
24553	<1	0.01	<10	2.00	687	1	0.03	77	140	77	0.03	4	4	31	0.12
24554	<1	0.03	<10	1.79	746	1	0.04	78	260	2190	0.35	<2	2	10	0.09
24555	<1	0.03	<10	0.69	301	<1	0.04	52	600	147	1.85	4	2	7	0.19
24556	<1	0.07	<10	0.04	599	4	<0.01	21	170	48	0.12	9	1	15	<0.01
24557	1	0.06	<10	0.04	1615	1	<0.01	37	140	50	0.07	26	1	10	<0.01
24601	<1	0.25	<10	0.45	140	<1	0.07	27	230	6	0.38	<2	1	6	0.28
24602	<1	0.09	<10	0.25	159	2	0.05	29	740	80	1.37	<2	2	14	0.13
24603	<1	0.07	<10	1.60	191	<1	0.04	18	150	<2	0.11	<2	2	4	0.01
24604	<1	0.03	<10	0.13	167	8	0.01	570	240	8	9.88	<2	3	8	0.06
24605	<1	0.05	10	0.12	82	1	0.06	72	110	4	0.77	<2	1	10	0.02
24701	<1	<0.01	<10	13.85	606	1	<0.01	1505	20	<2	0.08	<2	5	11	0.01
24702	<1	0.01	10	>15.0	442	1	<0.01	2020	20	3	0.03	<2	3	16	0.01
24703	<1	0.08	<10	0.24	382	14	<0.01	60	580	345	0.14	61	1	42	<0.01
24704	<1	0.12	<10	0.35	484	6	<0.01	65	5720	224	3.09	68	2	224	<0.01
24705	1	0.05	<10	0.22	1315	2	<0.01	28	570	1085	4.13	830	2	44	<0.01
24706	1	0.21	<10	0.11	588	4	<0.01	55	730	291	2.33	75	3	51	<0.01
24707	1	0.18	<10	0.04	212	7	<0.01	49	3230	348	0.74	223	2	110	<0.01
24708	2	0.07	<10	0.02	176	5	<0.01	18	300	358	0.14	77	1	39	<0.01
24709	1	0.07	<10	0.05	281	1	<0.01	12	100	14	0.03	25	1	5	<0.01
24710	<1	0.10	<10	0.02	946	1	<0.01	35	230	35	0.04	95	1	11	<0.01
24711	<1	0.08	<10	0.18	2030	1	<0.01	25	150	12	0.13	10	1	22	<0.01
24712	<1	0.08	<10	0.02	94	4	<0.01	15	150	62	0.59	23	<1	16	<0.01
24713	2	0.08	<10	0.04	203	4	<0.01	19	120	2220	0.11	94	<1	13	<0.01
24714	<1	0.10	<10	0.11	246	10	<0.01	21	130	339	0.10	64	<1	19	<0.01
24715	9	0.04	<10	0.01	48	30	<0.01	39	280	>10000	5.85	>10000	<1	14	<0.01
24716	<1	0.03	<10	0.02	70	1	<0.01	20	20	401	>10.0	110	1	23	<0.01
24951	1	0.12	<10	0.03	64	11	<0.01	95	4330	867	1.60	85	2	159	<0.01
24952	1	0.08	<10	0.04	59	7	<0.01	96	670	12	1.22	6	1	60	<0.01
24953	<1	0.06	<10	0.02	34	18	<0.01	69	830	31	0.86	5	1	82	<0.01
24954	1	0.06	<10	0.01	33	10	<0.01	67	1000	8	0.73	3	1	111	<0.01
24955	<1	0.06	<10	0.01	36	11	<0.01	66	1280	17	0.75	3	1	91	<0.01
24956	1	0.10	<10	0.02	40	11	<0.01	76	4750	14	0.98	3	2	144	<0.01
24957	1	0.08	<10	0.02	45	9	<0.01	77	3750	34	0.98	6	1	235	<0.01
24958	1	0.09	<10	0.02	154	19	<0.01	129	1710	119	1.45	8	1	168	<0.01
24959	1	0.09	<10	0.03	51	21	<0.01	110	2750	17	1.66	7	2	73	<0.01
24960	1	0.06	<10	0.69	494	4	<0.01	86	3090	14	3.38	6	1	219	<0.01
24961	1	0.03	<10	0.16	555	5	<0.01	102	440	10	1.47	2	1	21	<0.01
24962	<1	0.06	<10	0.23	755	2	<0.01	67	160	4	0.41	<2	<1	13	<0.01

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CERTIFICATE OF ANALYSIS**VA02005140**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-AA25	Ag-AA46	Pb-AA46
		Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.01	Ag ppm 1	Pb % 0.01
24551		<10	<10	9	<10	6	0.08		
24552		<10	<10	7	<10	25	0.02		
24553		<10	<10	54	<10	239	0.01		
24554		<10	<10	72	<10	2560	0.02		
24555		<10	<10	91	<10	163	0.02		
24556		<10	<10	16	<10	248	0.08		
24557		<10	<10	7	<10	358	0.06		
24601		<10	<10	39	<10	42	0.01		
24602		<10	<10	32	10	196	0.01		
24603		<10	<10	28	<10	23	0.02		
24604		<10	<10	18	<10	111	0.02		
24605		<10	<10	5	<10	83	<0.01		
24701		<10	<10	25	<10	26	0.02		
24702		<10	<10	8	<10	23	0.01		
24703		<10	<10	24	<10	616	0.02		
24704		<10	<10	29	<10	528	0.12		
24705		<10	<10	8	120	293	1.11	155	
24706		<10	<10	9	<10	613	0.02		
24707		<10	<10	23	<10	1295	0.04		
24708		<10	<10	23	<10	459	0.02		
24709		<10	<10	3	<10	87	0.07		
24710		<10	<10	4	<10	423	0.04		
24711		<10	<10	3	<10	218	0.01		
24712		<10	<10	10	<10	206	0.06		
24713		<10	<10	15	<10	298	0.17		
24714		<10	<10	29	<10	1060	0.24		
24715		<10	20	7	<10	640	0.20	153	>30.0
24716		<10	<10	1	<10	15	3.57		
24951		<10	10	66	<10	312	0.01		
24952		<10	<10	77	<10	384	0.01		
24953		<10	<10	36	<10	234	0.03		
24954		<10	<10	45	<10	247	0.01		
24955		<10	<10	40	<10	165	0.01		
24956		<10	10	55	<10	110	<0.01		
24957		<10	10	82	<10	318	0.01		
24958		<10	<10	78	<10	723	0.01		
24959		<10	10	79	<10	284	0.01		
24960		<10	<10	35	<10	702	0.01		
24961		<10	<10	31	<10	2340	0.01		
24962		<10	<10	48	<10	1195	<0.01		

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CERTIFICATE OF ANALYSIS**VA02005140**

Method Analyte Units LOR	WEI-21 Recvd Vh kg 0.02	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 2.00	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	ME-ICP41 Ga ppm 10
Sample Description															
24963	0.82	0.6	0.06	9	<10	150	<0.5	<2	0.18	29.8	9	102	17	2.15	10
24964	0.58	3.3	0.26	49	<10	40	<0.5	<2	0.23	20.1	16	88	78	5.62	10
24965	0.70	2.6	0.25	30	10	130	<0.5	<2	0.23	1.8	5	62	167	1.72	<10
24966	0.50	2.2	0.27	19	10	170	<0.5	<2	1.04	2.4	3	75	171	1.01	<10
24967	0.74	1.7	0.19	21	<10	170	<0.5	<2	0.10	1.6	3	58	141	0.99	<10
24968	0.96	3.7	0.24	27	10	150	<0.5	<2	0.63	15.2	5	81	77	1.39	<10
24969	0.64	5.1	0.19	57	10	120	<0.5	<2	0.56	24.0	6	66	74	1.51	<10
24970	0.44	12.6	0.18	186	<10	120	<0.5	<2	0.42	45.9	5	78	468	1.23	<10
24971	0.20	21.7	0.09	342	<10	120	<0.5	<2	0.29	32.3	3	128	1045	0.65	<10
24972	0.62	7.5	0.16	124	<10	80	<0.5	<2	0.29	4.1	7	60	233	2.81	<10
24973	0.68	3.2	0.14	82	<10	110	<0.5	<2	0.17	3.2	5	55	99	1.63	<10
24974	0.40	2.3	0.24	72	<10	130	0.7	<2	4.65	8.1	8	46	74	2.01	10
24975	0.42	1.8	0.21	90	10	110	0.6	<2	3.41	14.1	8	51	104	1.57	10
24976	0.92	7.7	0.20	242	10	100	0.6	<2	3.45	13.9	8	46	522	1.47	10
24977	0.66	6.9	0.17	309	<10	80	0.5	<2	2.70	5.7	7	41	542	2.22	10
24978	0.80	5.4	0.17	104	<10	100	0.6	<2	2.97	17.5	12	84	182	2.59	10
24979	0.92	2.7	0.19	97	10	70	0.6	<2	1.01	3.8	10	44	91	3.06	<10
24980	0.48	2.2	0.25	85	10	100	0.7	<2	0.61	5.3	9	57	69	2.57	<10
24981	1.14	1.9	0.21	80	10	110	0.7	<2	1.03	4.8	8	36	61	1.74	<10
24982	0.88	2.2	0.24	74	10	130	0.7	<2	1.29	7.4	8	48	85	1.51	<10
24983	0.66	2.8	0.20	73	10	130	0.6	<2	1.23	17.9	7	34	118	0.85	<10
24984	0.74	2.1	0.19	75	10	120	<0.5	<2	0.44	8.4	7	44	84	1.16	<10
391751	0.12	3.5	1.10	105	10	40	1.6	<2	2.34	4.5	7	100	101	7.45	<10
391752	0.36	3.4	0.37	144	<10	20	<0.5	<2	0.02	8.0	6	91	108	8.30	<10
391753	0.32	5.2	0.66	227	<10	20	0.7	11	0.30	6.8	<1	69	157	12.40	<10
391754	0.20	4.2	0.92	173	10	20	1.3	13	1.39	5.8	2	114	126	9.91	<10
391755	0.18	4.9	0.50	43	10	50	0.5	5	1.51	4.1	5	114	89	4.96	<10
391756	0.12	4.4	0.45	61	10	30	<0.5	6	0.43	7.5	20	127	132	8.96	<10

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CERTIFICATE OF ANALYSIS**VA02005140**

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
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
		ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1	% 0.01
24963		1	0.02	<10	0.09	1795	3	<0.01	133	130	5	0.69	2	<1	11	<0.01
24964		2	0.10	<10	0.05	2040	10	<0.01	206	1030	20	4.32	6	2	99	<0.01
24965		<1	0.07	<10	0.01	100	12	<0.01	134	1160	9	1.61	4	1	46	<0.01
24966		<1	0.10	<10	0.02	47	9	<0.01	90	4696	10	1.03	3	2	92	<0.01
24967		<1	0.06	<10	0.02	53	6	<0.01	93	550	9	1.04	<2	<1	49	<0.01
24968		1	0.09	<10	0.07	143	16	<0.01	156	2420	26	1.48	7	1	251	<0.01
24969		1	0.08	<10	0.10	493	15	<0.01	174	1770	1285	1.67	20	1	229	<0.01
24970		3	0.07	<10	0.09	261	30	<0.01	144	1240	1335	1.49	118	1	162	<0.01
24971		4	0.04	<10	0.13	282	16	<0.01	90	310	108	0.61	199	<1	42	<0.01
24972		1	0.09	<10	0.14	299	8	<0.01	256	320	74	2.92	47	1	42	<0.01
24973		1	0.07	<10	0.08	109	8	<0.01	202	230	22	1.71	15	1	28	<0.01
24974		1	0.12	<10	2.63	927	18	<0.01	182	1430	45	2.02	8	3	286	<0.01
24975		2	0.11	<10	1.92	753	30	<0.01	200	780	54	1.64	12	3	174	<0.01
24976		1	0.10	<10	2.00	1100	52	<0.01	202	330	70	1.45	83	3	139	<0.01
24977		1	0.09	<10	1.47	1815	43	<0.01	195	590	2080	2.35	624	3	139	<0.01
24978		3	0.08	<10	1.68	1790	23	<0.01	273	500	456	1.85	36	2	326	<0.01
24979		1	0.10	<10	0.54	339	77	<0.01	213	570	93	3.25	16	2	96	<0.01
24980		2	0.13	<10	0.29	126	78	<0.01	216	640	198	2.78	11	1	77	<0.01
24981		1	0.11	<10	0.57	157	67	<0.01	193	430	65	1.98	11	2	103	<0.01
24982		2	0.12	<10	0.72	204	65	<0.01	167	530	63	1.70	14	2	113	<0.01
24983		4	0.11	<10	0.69	289	70	<0.01	161	300	136	0.99	16	1	86	<0.01
24984		2	0.10	<10	0.23	99	71	<0.01	175	340	39	1.29	12	1	43	<0.01
391751		2	0.16	20	0.16	97	24	0.01	84	>10000	20	7.81	13	7	176	<0.01
391752		1	0.10	<10	0.02	82	12	<0.01	80	940	12	3.28	11	1	26	<0.01
391753		<1	0.09	<10	0.02	175	10	0.01	79	4460	11	>10.0	21	3	67	<0.01
391754		<1	0.16	<10	0.05	123	10	0.01	82	9800	13	>10.0	19	5	110	<0.01
391755		3	0.09	<10	0.34	320	6	<0.01	111	5220	20	5.28	9	2	62	<0.01
391756		1	0.17	<10	0.04	3370	10	<0.01	299	1990	27	7.00	15	4	182	<0.01

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CERTIFICATE OF ANALYSIS**VA02005140**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-AA25	Ag-AA45	Pb-AA45
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.01	Ag ppm 1	Pb % 0.01
24963		<10	<10	18	<10	3430	<0.01		
24964		<10	<10	49	<10	3460	0.02		
24965		<10	<10	42	<10	265	0.02		
24966		<10	10	66	<10	112	<0.01		
24967		<10	<10	47	<10	81	<0.01		
24968		<10	10	74	<10	1040	0.01		
24969		<10	<10	65	<10	2840	<0.01		
24970		<10	10	118	<10	4180	0.01		
24971		<10	10	130	<10	3240	<0.01		
24972		<10	10	15	<10	1025	0.01		
24973		<10	<10	14	<10	584	<0.01		
24974		<10	10	69	<10	1590	0.01		
24975		<10	10	94	<10	1915	0.01		
24976		<10	10	144	<10	2120	0.01		
24977		<10	10	113	<10	1050	0.02		
24978		<10	10	82	<10	3560	<0.01		
24979		<10	20	91	<10	775	0.01		
24980		<10	30	121	<10	749	0.01		
24981		<10	20	96	<10	639	0.01		
24982		<10	30	117	<10	886	<0.01		
24983		<10	10	143	<10	2150	<0.01		
24984		<10	20	116	<10	964	0.01		
391751		<10	10	377	<10	353	0.01		
391752		<10	<10	127	10	524	0.01		
391753		<10	<10	210	<10	425	0.02		
391754		<10	<10	354	<10	445	0.01		
391755		<10	<10	101	<10	488	0.02		
391756		<10	<10	78	<10	4600	0.02		



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Comments: ATTN: JEAN-PIERE JUTRAS

CERTIFICATE

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P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-AUG-2002.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
244	20	Pulp; prev. prepared at Chemex

* NOTE 1:

Code 1000 is used for repeat gold analyses
It shows typical sample variability due to
coarse gold effects. Each value is
correct for its particular subsample.

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Ba-ICP06	20	BaO %: Whole rock	ICP-AES	0.01	100.00



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Account : QJD

CERTIFICATE OF ANALYSIS

A0222066

[illegible]

CERTIFICATION: _____

APPENDIX 4

Statement of Expenditures

DRILLING/SUPPORT COSTS

Drilling costs	12,065.50	Caron Drilling Invoice #3821
Consumables	288.66	Caron Drilling Invoice #3821

Date	Hours	Amount (\$1,135.00/hour)
18-Jun	3.6	4,086.00 West Coast Invoice # 16930
19-Jun	1.9	2,156.50 West Coast Invoice # 16931
20-Jun	1.2	1,362.00 West Coast Invoice # 16932
21-Jun	2.2	2,497.00 West Coast Invoice # 16933
22-Jun	1	1,135.00 West Coast Invoice # 16934
23-Jun	0	0.00

T-02-02 Claim Number: Tanner # 4 YCO2346
Azimut: 030 degrees, dip: 45 degrees, length: 502 feet.

Drilling costs	11,757.50	Caron Drilling Invoice #3821
Consumables	288.66	Caron Drilling Invoice #3821

Date	Hours	Amount (\$1,135.00/hour)
24-Jun	2.5	2,837.50 West Coast Invoice # 16937
25-Jun	2.1	2,383.50 West Coast Invoice # 16939
26-Jun	1.2	1,362.00 West Coast Invoice # 16940
27-Jun	1.7	1,929.50 West Coast Invoice # 16942
28-Jun	0.4	454.00 West Coast Invoice # 16943

SUPERVISION/GEOPHYSICS/CORE LOGGING

Geologist	14 days @ \$400.00/day	5,600.00
Camp Costs	14 days @ \$118.56/day	1,659.84

Ground Geophysics (2 man crew)	7,094.10 (Aurora Geosciences)
Camp Costs Geophysics (5 days)	1,185.60
Assays 158 samples @ \$24.00	3,792.00 (Chemex)

Total costs submitted: 63,934.86

DATED:

Signed:

Jean-Pierre Jutras, Vice-President
Manson Creek Resources Ltd.

APPENDIX 5

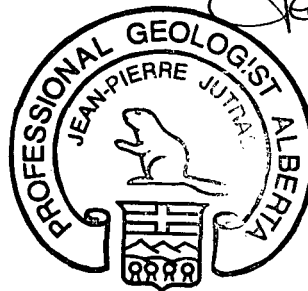
Certificate of Qualifications

CERTIFICATE OF QUALIFICATIONS

I, Jean-Pierre Jutras, having my place of residence at 2808-7th avenue NW, Calgary, Alberta, do hereby certify that:

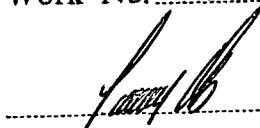
- 1) I am a qualified Geologist having obtained my Bachelor of Sciences (Honors) Degree in Geology at the University of Alberta, Edmonton, Canada in 1991.
- 2) I am a professional practicing geologist registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA).
- 3) I have practiced the profession of exploration geology on three continents and nine countries since 1991.
- 4) I have personally designed and supervised the Tanner 2002 drill program and am familiar with all the data presented in this report. Interpretations presented herein are well supported by the field evidence and past work conducted on the Property.

Respectfully submitted on January 15th, 2003 by:



Jean-Pierre Jutras
B.Sc. Hons. Geology
P.GEOL.

Costs associated with this report have been
approved in the amount of \$ 44,500
for assessment credit under Certificate of
Work No. Qm 00405-407


Mining Recorder
Mayo Mining District