DIAMOND DRILL REPORT

on the

SPICE PROJECT

Spice 1-14, 19-36: YB93156-165, 615-636
Spy 1-14, 19-22, 24, JF Bear: YC31414-31, 33, 32

NTS: 105G/13, 105J/04

Latitude 61°59'N Longitude 131°55'W

Watson Lake Mining District, Yukon

Work performed between May 1 and June 1, 2007

For:

Klondike Star Mineral Corporation
P.O. Box 20116
Whitehorse, Yukon
Y1A 7A2

By:
Jean Pautler, P.Geo.
JP Exploration Services Inc.
#103-108 Elliott Street
Whitehorse, Yukon
Y1A 6C4

December 30, 2007

1.0 Executive Summary

The 1080 hectare Spice Project, NTS map sheets 105G/13 and 105J/04, is located in the Watson Lake Mining District, approximately 25 km east of Ross River, which is 360 km by road from Whitehorse, Yukon Territory at a latitude of 61°59'N and a longitude of 131°55'W. The property comprises the Spice 1-14, 19-36, Spy 1-14, 19-22, 24 and JF Bear claims, owned by Mr. Ivan Elash and Tanana Exploration Incorporated, Whitehorse, Yukon Territory. Klondike Star Mineral Corporation of Whitehorse funded and operated the 2007 program.

This report documents the results of a 440m diamond drill program completed on the Spice property in May of 2007. The program consisted of a fence of three holes across stratigraphy to determine the stratigraphic succession and attempt to determine the nature and style of mineralization. The drill holes targeted the highest gold in till anomaly and a shallow, gently north dipping, chargeability-high, resistivity-high zone between 270N and 350N on line 500E.

The Spice Project covers the Spice Minfile anomaly discovered by the Yukon Geological Survey during a regional geochemistry survey in 2000. The till sample returned 28.9 ppb Au, 485 ppm As, 151 Sb ppm, 21 ppm Hg, 1 ppm Tl and 1.4 ppm Ag, the highest values in the survey area and suggestive of epithermal or sediment hosted style gold mineralization. Follow up sampling outlined anomalous gold values over 300m in till, with maximum values of 13.9 g/t Au, 7.0 g/t Ag, 951 ppm As, 117 Sb ppm and 24 ppm Hg, and 1.05 g/t Au from quartz in the till pit.

Extensive Quaternary glacial deposits cover the project area with less than 1-2% outcrop. The property appears to be underlain by a Permian-Carboniferous succession of variably graphitic and silicified conglomerate and phyllite within the Slide Mountain terrane at the boundary with ancestral North America. The above stratigraphy is transected by a northerly trending listwanite zone and a northeasterly trending fault zone. Younger, possibly Cretaceous to Tertiary, quartz feldspar porphyry dykes and apparently related crystal lithic tuffs are evident in the central claim area. Tertiary basalt flows lie 5 km to the east.

Gold mineralization on the Spice property appears to be related to silica alteration as pervasive silicification of the clastic sedimentary stratigraphy, quartz veining, sheeted veinlets and re-silicified breccias. Fine disseminated pyrite, possible arsenopyrite or arsenium and stibnite occur within the silicified zone.

Previous exploration on the Spice Project, undertaken from 2001 to 2006, has involved till, soil, silt and rock geochemistry, hand/blast pitting and trenching, ground magnetic, induced polarization/resistivity and VLF-EM geophysical surveys, and petrography.

This work outlined a 600m by 200-300m wide gold in till anomaly (Spice Anomaly), repeated the 13.9 g/t Au till anomaly with 4.46 g/t Au in till from the site and obtained 1.21 g/t Au and 0.98 g/t Au from angular float in the till pit. The 2004 induced

polarization survey identified a shallow, gently north dipping, chargeability-high, resistivity-high zone, approximately 100 metres wide with a strike length of 300 metres, within which the best gold assays occur between 270N and 350N on line 500E. The 2006 soil geochemical survey extended the known zone of anomalous gold in till anomalies 75m to 125m further north and 100m to the northwest, still open to the northwest and partly open to the north.

The 2007 drill program on the Spice property was successful in identifying favourable stratigraphy to host a significant gold deposit. Although results were disappointing, enhanced gold, ±arsenic ±antimony are associated with pyritic, silicified ±quartz stockwork zones. Exceptionally high mercury values are evident suggesting a high level environment within a hotspring system.

The source of the 13.9 g/t gold in till anomaly from the shaft and the main zone till anomaly appears to be under Spice Lake and up ice to the east. This is the logical location based on ice direction and glacial processes and the angular boulders in the basal till in the shaft suggest a proximal source for mineralization. Lake sediment sampling may be useful to evaluate this. Auger till/MMI soil sampling would be useful east of Spice Lake to evaluate the area up ice from the till anomalies.

Other anomalous gold and pathfinder elements in soil and till samples outside of the main zone to the north and south of the grid area, including gold in till anomalous zones identified in 2004 peripheral to the listwanite zone south of the grid area, should be followed up with additional soil sampling, with basal till sampling in more prospective (thinner till covered) areas, both within these areas and up ice.

Ultimately a 1,000m drill program is proposed on the Spice Project targeting under the lake, directly up ice from the main zone till anomaly. Drilling should utilize HQ wireline equipment and a 5 foot coring system to facilitate high core recovery, due to the till cover and significant recovery problems encountered in 2007.

Table of Contents

Page

1.0 Executive Summary.....i
2.0 Introduction and Terms of Reference.....1
2.1 Qualified Person and Participating Personnel.....1
2.2 Terms, Definitions and Units.....1
2.3 Source Documents.....1
2.4 Limitations, Restrictions and Assumptions.....2
2.5 Scope.....2
3.0 Reliance on Other Experts.....2
4.0 Property Description and Location.....3
4.1 Location and Access.....3
4.2 Physiography and Climate.....4
4.3 Land Tenure.....4
5.0 History.....6
6.0 Geological Setting.....7
6.1 Regional Geology.....7
6.2 Local Geology.....11
6.3 Property Geology.....11
7.0 Deposit Models.....13
7.1 Epithermal Hotspring Gold-Silver.....14
7.2 Sediment Hosted Gold.....15
7.3 Gold-Quartz Vein.....16
8.0 Mineralization.....18
9.0 Previous Exploration.....18
9.1 Geochemistry.....18
9.2 Geophysics.....22
9.3 Trenching.....22
10.0 2007 Exploration Program.....25
11.0 Drilling.....25
11.1 Procedure.....25
11.1.1 Sampling Method and Approach.....26
11.1.2 Sample Preparation, Analysis and Security.....26
11.1.3 Data Verification.....27
11.2 Results.....27
12.0 Adjacent Properties.....30
13.0 Interpretation and Conclusions.....31
14.0 Recommendations.....32
15.0 References.....33
16.0 Certification, Date and Signature.....35
17.0 Appendices.....36

List of Illustrations

Page

Figure 1: Location Map 3
Figure 2: Claim Map 5
Figure 3: Regional Geology Map 8
Figure 4: Local Geology Map 9
Figure 5: Property Geology Map 10
Figure 6: Gold Geochemistry Detail 21
Figure 7: Magnetic Map 23
Figure 8: IP Summary Map 24
Figure 9: Drillhole Plan ..... back pocket
Figure 10: Drillhole Cross-section with Au ..... back pocket
Figure 11: Drillhole Cross-section with Hg ..... back pocket
Figure 12: Geology Cross-section ..... back pocket

List of Tables

Table 1: Claim data summary 4
Table 2: Outcrop locations 13
Table 3: Summary of government till results 19
Table 4: Pit and trench locations 22
Table 5: Diamond drill hole specifications 26

List of Appendices

Appendix I: Statement of Claims
Appendix II: Petrography
Appendix III: Geochemical Procedure and Results
Appendix IV: Summary Drill Logs
Appendix V: Diamond Drill Logs
Appendix VI: Geotechnical Data
Appendix VII: Statement of Expenditures

2.0 INTRODUCTION AND TERMS OF REFERENCE

2.1 Qualified Person and Participating Personnel

Ms. Jean M. Pautler, P.Geo. was commissioned by Klondike Star Mineral Corporation, Whitehorse, Yukon to supervise the 2007 diamond drill program on the Spice property near Ross River, undertaken between May 1 and June 1, 2007. The program consisted of 440m of diamond drilling in a fence of three holes, a property examination and petrography.

The report summarizes previous programs and the geology of the region and documents the procedure and results of the 2007 diamond drill program on the Spice property and makes recommendations for the next phase of exploration work. The drill project was supervised and core logged by the author. Ms. Correen O'Shea assisted in the property examination and set up of core facilities. The core was split initially by Mr. Mike Linley of Klondike Star Mineral Corporation and then by Mr. Fred Dick from Ross River. Dr. Tim Liverton completed petrographic work, which is summarized in Appendix II.

2.2 Terms, Definitions and Units

All costs contained in this report are denominated in Canadian dollars. Distances are reported in metres (m) and km (kilometers). GPS refers to global positioning system. Minfile showing refers to documented mineral occurrences on file with the Yukon Geological Survey. DDH refers to diamond drill hole. VLF-EM refers to very low frequency electromagnetic and IP induced polarization types of geophysical surveys.

The term ppm refers to parts per million, which is equivalent to grams per metric tonne (g/t) and ppb refers to parts per billion. The symbol % refers to weight percent unless otherwise stated.

Elemental abbreviations used in this report include: gold (Au), silver (Ag), arsenic (As), antimony (Sb), mercury (Hg), thallium (Tl), nickel (Ni), molybdenum (Mo) and manganese (Mn). Minerals found on the Spice Project include pyrite (iron sulphide), possible arsenopyrite (iron, arsenic sulphide), possible arsenium (pyrite with arsenical rims), stibnite (antimony sulphide) and tourmaline (a complex boron bearing silicate). Jarosite is a yellow-amber secondary mineral found in the oxidized zones of sulfide deposits, derived from the oxidation of pyrite. Listwanite is a quartz-carbonate-pyrite-mariposite alteration product associated with ultramafic rocks (commonly serpentinite) and structurally controlled along pre-existing fault and fracture networks. It is commonly associated with gold and mercury mineralization.

2.3 Source Documents

Sources of information are detailed below and include the available public domain information and private company data.

- Research of the Minfile data available for the area at www.geology@gov.yk.ca .

- Research of mineral titles at http://gysde.gov.yk.ca and www.mapsyukon.gov.yk.ca .
- Review of company reports and annual assessment reports filed with the government at http://emr.gov.yk.ca/library/.
- Review of geological maps and reports completed by the Yukon Geological Survey or its predecessors and the Geological Survey of Canada.
- Published scientific papers on the geology and mineral deposits of the region and on mineral deposit types.
- The author has recent previous independent experience and knowledge of the regional area having worked on regional programs in the area for Teck Exploration Limited in 1997 to 1998.
- Previous property evaluation by the author on August 27, 2006, review and reporting of previous work including the 2006 soil geochemistry program and the delineation of drill targets with the aid of Mr. Bill Mann of Klondike Star Mineral Corp.
- Supervision of the 2007 diamond drill program on the Spice property, logging the core and property examination between May 1 and June 1, 2007.

2.4 Limitations, Restrictions and Assumptions

The author has assumed that the previous documented work on the property is valid and has not encountered any information to discredit such work.

2.5 Scope

This report describes the geology, previous exploration history and mineral potential of the Spice Project. Research included a review of the historical work that related to the immediate and surrounding area of the property. Regional geological data and current exploration information have been reviewed to determine the geological setting of the mineralization and to obtain an indication of the level of industry activity in the area. The author supervised the 2007 diamond drill program, logged the core and examined the property between May 1 and June 1, 2007. Based on the literature review, property examination and results of the drill program recommendations are made for the next phase of exploration work.

3.0 RELIANCE ON OTHER EXPERTS

The author has relied in part upon work and reports completed by others in previous years in the preparation of this report. Checks to confirm the results of such prior work and reports have not been done. The author has no reason to doubt the correctness of such work and reports. Unless otherwise stated the author has not independently confirmed the accuracy of the data.

Further, while title documents and option agreements were reviewed for this study, this report does not constitute nor is it intended to represent a legal, or any other, opinion as to the validity of the title.

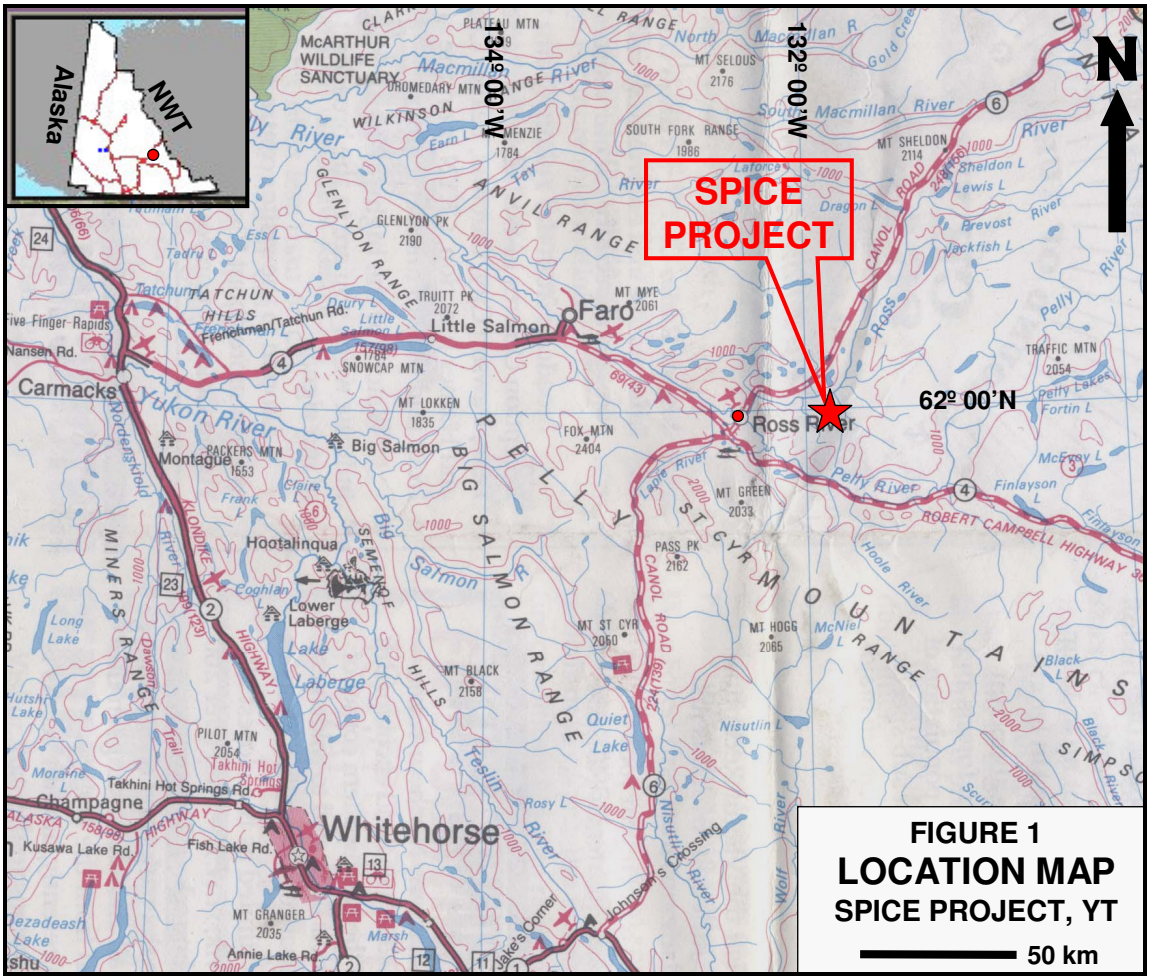
4.0 PROPERTY DESCRIPTION AND LOCATION (Figure 1)

4.1 Location and Access

The Spice Project, NTS map sheets 105G/13 and 105J/04 is located approximately 25 km east of Ross River, which is 360 km by road from Whitehorse, Yukon Territory *(Figure 1)*. The project area is centered at a latitude of 61°59'N and a longitude of 131°55'W. The property is 7 km south of the North Canol road although no road or trail to the property exists at this time. Access is by helicopter, either directly from Ross River or from a staging pad on the North Canol Road near Marjorie Lake at 6881916m N, 653070m E, Nad 83, Zone 8. The property is also accessible by float equipped aircraft, but there is no local availability.

A large helicopter clearing is located proximal to the old camp clearing at UTM coordinates 6876773m N, 346749m E, Nad 83, Zone 9 and at DDH SP07-1 at 6876624m N, 346802m E, Zone 9. Another helicopter clearing is located in the southern property area, north of Sugar Lake, at 6875494m N, 347089m E, Zone 9.

Ross River is the closest town, with a population of approximately 350. Facilities include two retail outlets (grocery and hardware supplies), health centre, ambulance service, RCMP, service stations, postal and banking services and a restaurant. The town is on the power grid with diesel backup. Complete services are available in Whitehorse.



4.2 Physiography and Climate

The project lies within the Yukon plateau in east-central Yukon, northeast of the Tintina Trench between the Ross and Pelly Rivers, in an area characterized by low relief, numerous lakes and poor drainage *(Figures 2 and 3)*. Elevations on the property range from 760m along the shore of Spice Lake to 850m at the top of the highest knoll. Drainages flow northerly into the Ross River. The area is primarily covered with thin, widespread glacial deposits of sand and silt, with scarce outcrop. Glacial ice direction is northwest. Vegetation consists of alders, willows and poplar with an occasional stand of stunted black spruce. The property area was burned approximately 20 years ago. Water is available from the many small lakes and creeks.

The Ross River area has a northern interior climate with winter temperatures averaging -25º Celsius while summer temperatures average 12º Celsius. The average annual rainfall is 16 cm and average annual snowfall 100 cm. The exploration season extends from mid May to September.

4.3 Land Tenure (Figure 2)

The Spice Project consists of 52 Quartz claims, the Spice 1-14, 19-36, the Spy 1-14, 1-22 and 24 and JF Bear. The claims cover an area of approximately 1080 hectares in the Watson Lake Mining District. The claims were staked in accordance with the Yukon Quartz Mining Act on claim sheets 105G/13 and 105J/04, available for viewing in the Watson Lake Mining Recorder's Office. Legal surveys of the property boundaries have not been conducted.

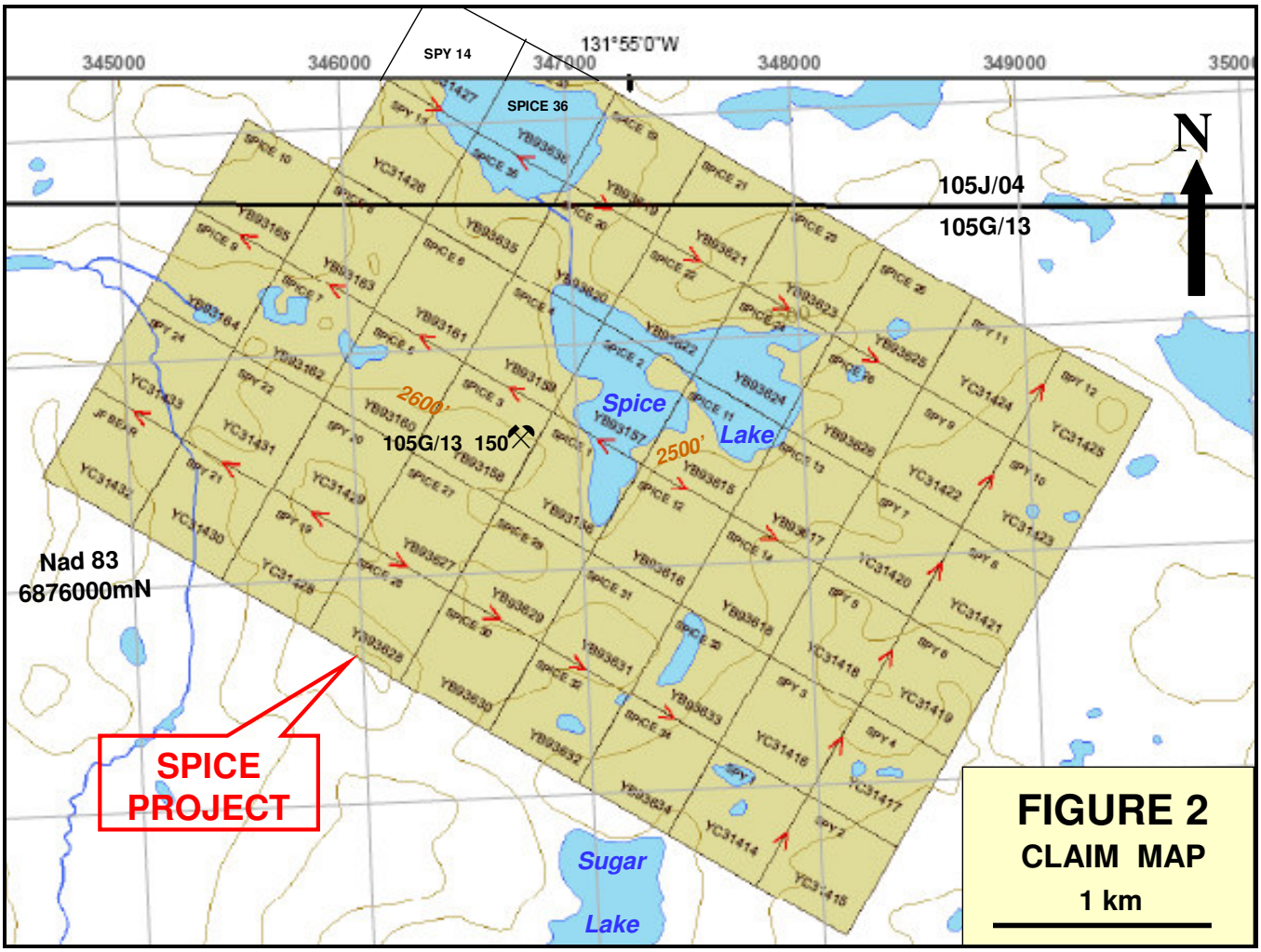
The claims are registered 33.33% to Ivan Elash and 66.67% to Tanana Exploration Inc. of Whitehorse, Yukon Territory. The claims were optioned by Klondike Gold Corporation in late 2003-early 2004. In 2005-2006 Klondike Star Mineral Corporation, the operator in 2007, sub-optioned the Spice property from Klondike Gold Corporation and staked the Spy and JF Bear claims, which were registered in the name of Klondike Star Mineral Corporation, Whitehorse, Yukon Territory. The claims have now been returned to Ivan Elash and Tanana Exploration Inc.

Pertinent claim data is summarized in Table 1 and a detailed statement of claims with expiry dates, renewal years and renewal date is shown in Appendix I. Claims are plotted on Figure 2, with the Minfile occurrence on the property denoted by the symbol ⚒ .

TABLE 1: Claim data summary

Claim Name	Grant No.	No.	Expiry Date	New Expiry Date
Spice 1-10	YB93156-165	10	March 7, 2020	March 7, 2024
Spice 11-14, 19-36	YB93615-618, 619-636	22	February 2, 2017	February 2, 2021
Spy 1-14, 19-22, 24	YC31414-31, 33	19	May 1, 2012	May 1, 2016
JF Bear	YC31432	1	May 1, 2012	May 1, 2016
TOTAL		**52**		

New expiry date based on acceptance of this report.



The land in which the mineral claims are situated is Crown Land and falls under the jurisdiction of the Yukon Government. First Nations have not settled their land claims in the area, but Ross River Dena Council First Nation Category B settlement land (RRDC R-31A), which includes the Weasel Lake area, approaches within 1 km to the southeast *(see Figure 3)*.

A mineral claim holder is required to perform assessment work and is required to document this work to maintain the title as outlined in the regulations of the Yukon Quartz Mining Act. The amount of work required is equivalent to $100.00 of assessment work per quartz claim unit per year. Alternatively, the claim holder may pay the equivalent amount per unit per year to the Yukon Government as “Cash in Lieu” to maintain title to the claims.

Preliminary exploration activities do not require permitting, but significant drilling, trenching, blasting, cut lines, and excavating may require a Mining Land Use Permit that must be approved under the Yukon Environmental Socioeconomic Assessment Act (YESSA). To the author’s knowledge, the Spice property area is not subject to any environmental liability.

5.0 HISTORY

A summary of the work completed by various operators, as documented in Yukon Minfile *(Deklerk and Traynor, 2005)*, various government publications of the Yukon Geological Survey or its predecessor *(Yukon Exploration and Geology)* and the Geological Survey of Canada and company publications (primarily available as assessment reports filed with the government) is tabulated below:

2000 A multi-element till anomaly in Hg, Sb, Ag, As, Au and Tl, suggestive of potential epithermal gold mineralization, was outlined in the property area by a till geochemical and surficial geological mapping program in Weasel Lake map area (105G/13) by the Yukon Geological Survey *(Bond, 2001)*.

2001 Staking by I. Elash and Tanana Exploration Inc. followed by a program of reconnaissance soil sampling, prospecting, hand trenching and rock sampling by Tanana outlined a northwest trending, open ended Au, As, Sb and Hg soil anomaly *(Traynor, 2002).* Supplementary till sampling by the Yukon Geological Survey - Geological Survey of Canada yielded values of 13,891 ppb Au, 952 ppm As, 117 ppm Sb, 24 ppm Hg, and 7.0 ppm Ag from a sample 300m southwest of the 2000 discovery site that appeared to be close to source and 1.05 g/t Au from a rock sample from the till pit *(Bond and Plouffe, 2001)*.

2002 Program of geological mapping, prospecting, till and soil sampling, and hand trenching by ATAC Resources Ltd under option, outlined a 600m by 200-300m wide till anomaly (Spice Anomaly or main zone), confirmed previous results with 4.46 g/t Au from the 13.9 g/t Au site and obtained 1.21 g/t Au and 0.98 g/t Au from hand pits and trenches *(Wengzynowski, 2002)*.

2004 Magnetic *(Casselman, 2004)*, induced polarization/resistivity and VLF-EM surveys were conducted by Aurora Geosciences Limited for Klondike Gold Corporation identifying a shallow, gently north dipping, chargeability-high, resistivity-high zone, approximately 100m wide with a strike length of 300m *(Hildes, 2004)*. Seven rock and 57 till samples were collected returning 38.5 ppb Au and 27.9 ppb Au from till, 2 km and 1km south of the main zone *(Carrell, 2004)*.

2006 Program of soil geochemical sampling, property evaluation, delineation of drill targets and limited petrography. The known zone of anomalous gold in till anomalies was extended 75m to 125m further north and 100m to the northwest, still open to the northwest and partly open to the north. Petrography suggested a hotspring type environment formed at a shallow depth *(Pautler, 2007)*.

6.0 GEOLOGICAL SETTING

6.1 Regional Geology (Figures 3 and 4)

The regional geology of the area has been summarized and modified from Gordey and Makepeace (2003), Murphy et. al. (2001, 2002 and 2006).

The Spice Project is situated within the Slide Mountain terrane in the northwestern portion of the displaced part of Yukon-Tanana terrane (referred to as the "Banana" – *see Figure 3 inset*). The "Banana" is displaced from the main part of Yukon-Tanana terrane along the Tintina Fault and is separated from the ancient continental margin of North America by the Inconnu Thrust, a northerly directed low angle post-Late Triassic thrust fault. Within the "Banana", Slide Mountain terrane occurs to the northeast of Yukon-Tanana terrane, primarily separated from Yukon-Tanana by the Jules Creek Fault. South of the Spice property, Lower and Middle Permian rocks of the Slide Mountain terrane unconformably overlie Yukon-Tanana terrane *(Figure 4)*.

The regional area around the Spice Project is primarily covered by Quaternary **(Q)** basal till deposits, which have obscured the underlying bedrock and impeded geological mapping. The Slide Mountain terrane in the northwestern 105G map area generally consists of Carboniferous to Permian, dark phyllite, chert, chert pebble conglomerate, sandstone, marble and felsic and mafic metavolcanic rocks of the Fortin Creek Group, and lesser Lower Permian basalt and chert of the Campbell Range Formation, with related ultramafic and mafic intrusions (diorite, gabbro, and minor serpentinite). To the south Yukon-Tanana terrane primarily consists of Devono-Mississippian dark quartzite and micaceous schist (mafic and felsic volcanic rocks).

The North American miogeocline rocks to the north consist of folded to locally weakly foliated Silurian-Devonian platformal siltstone, carbonate and quartzite, Devono-Mississippian Earn Group clastic rocks and chert, Carboniferous to Permian chert and Triassic clastic rocks and limestone.

Post accretionary mid Cretaceous volcanic rocks **(mKv)** and mid Cretaceous to Lower Tertiary volcanic and sedimentary rocks **(Tvs)** unconformably overlie the accreted terranes and the North American continental margin. The Tvs unit includes Eocene mafic basalt flows, necks and dykes **(Eb)**, 5 km east of the Spice property, mid Cretaceous conglomerate, mudstone, minor sandstone and coal strata with dinosaur footprints near Ross River (previously thought to be Eocene), and Paleocene to Eocene rhyolite, basalt and sedimentary rocks along the Tintina Fault, which host the Grew Creek epithermal deposit, 60 km west of the Spice.

Post accretionary intrusive rocks include weakly to unfoliated Cretaceous peraluminous granitic plutons **(mKp)**.

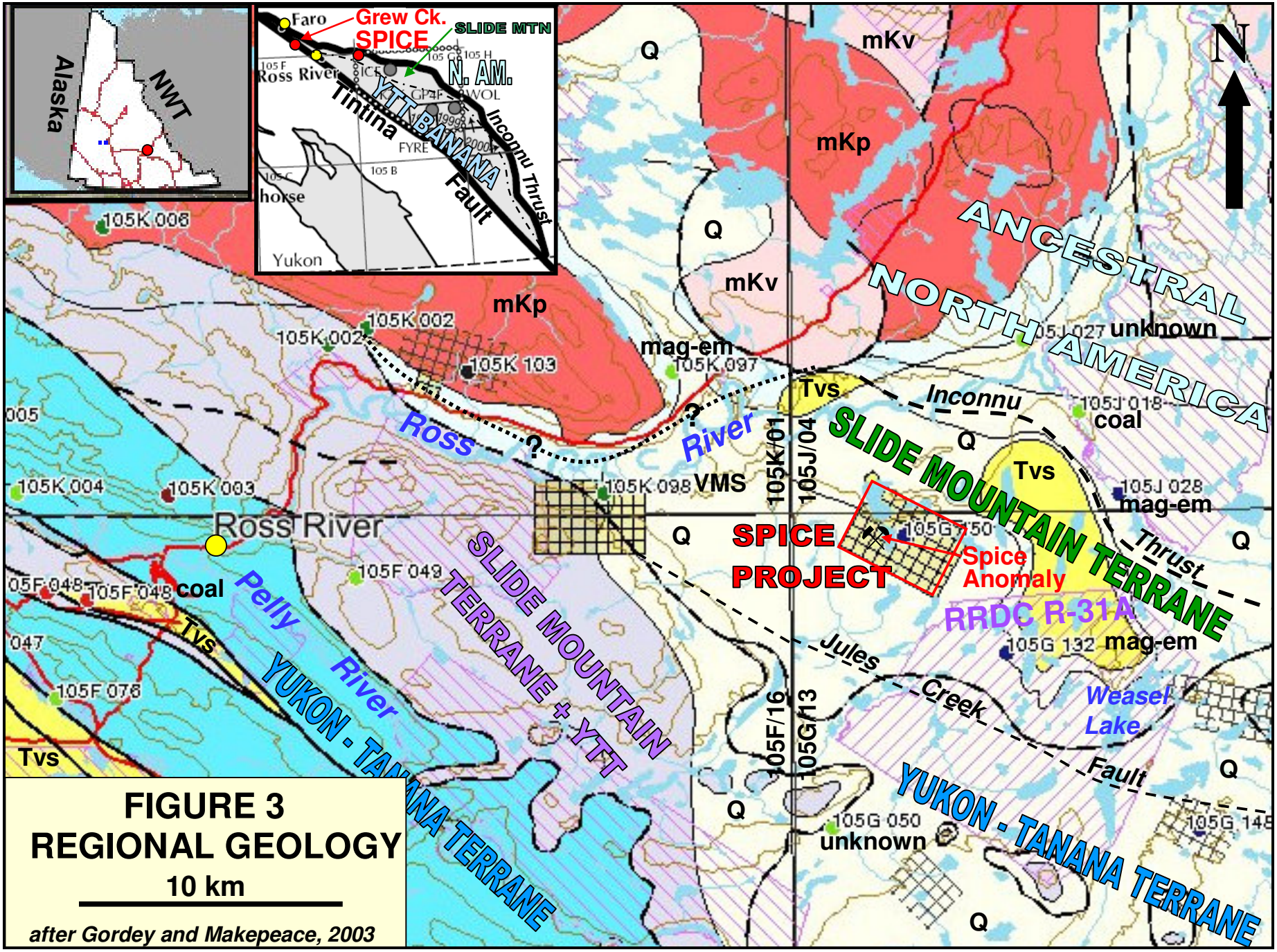
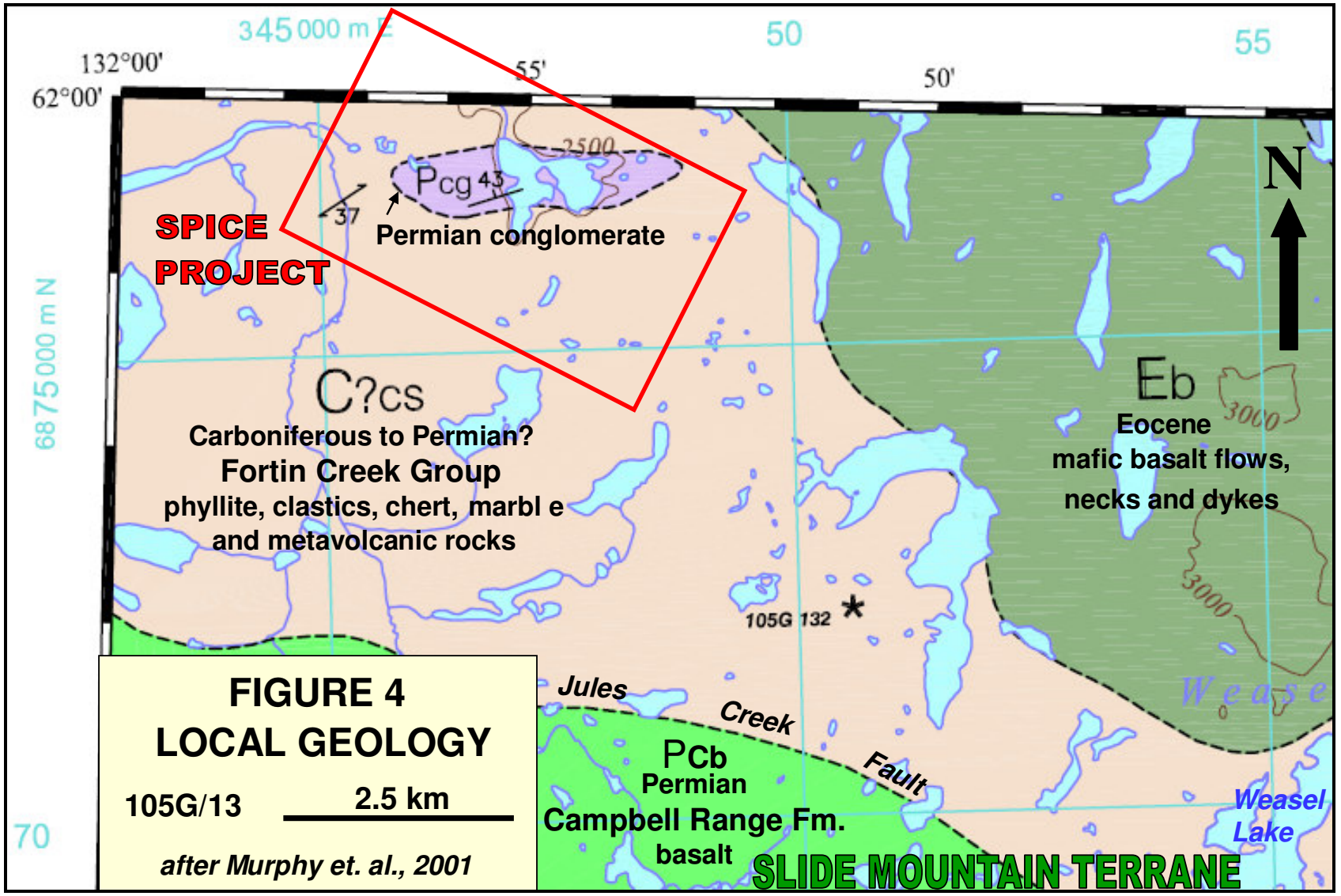
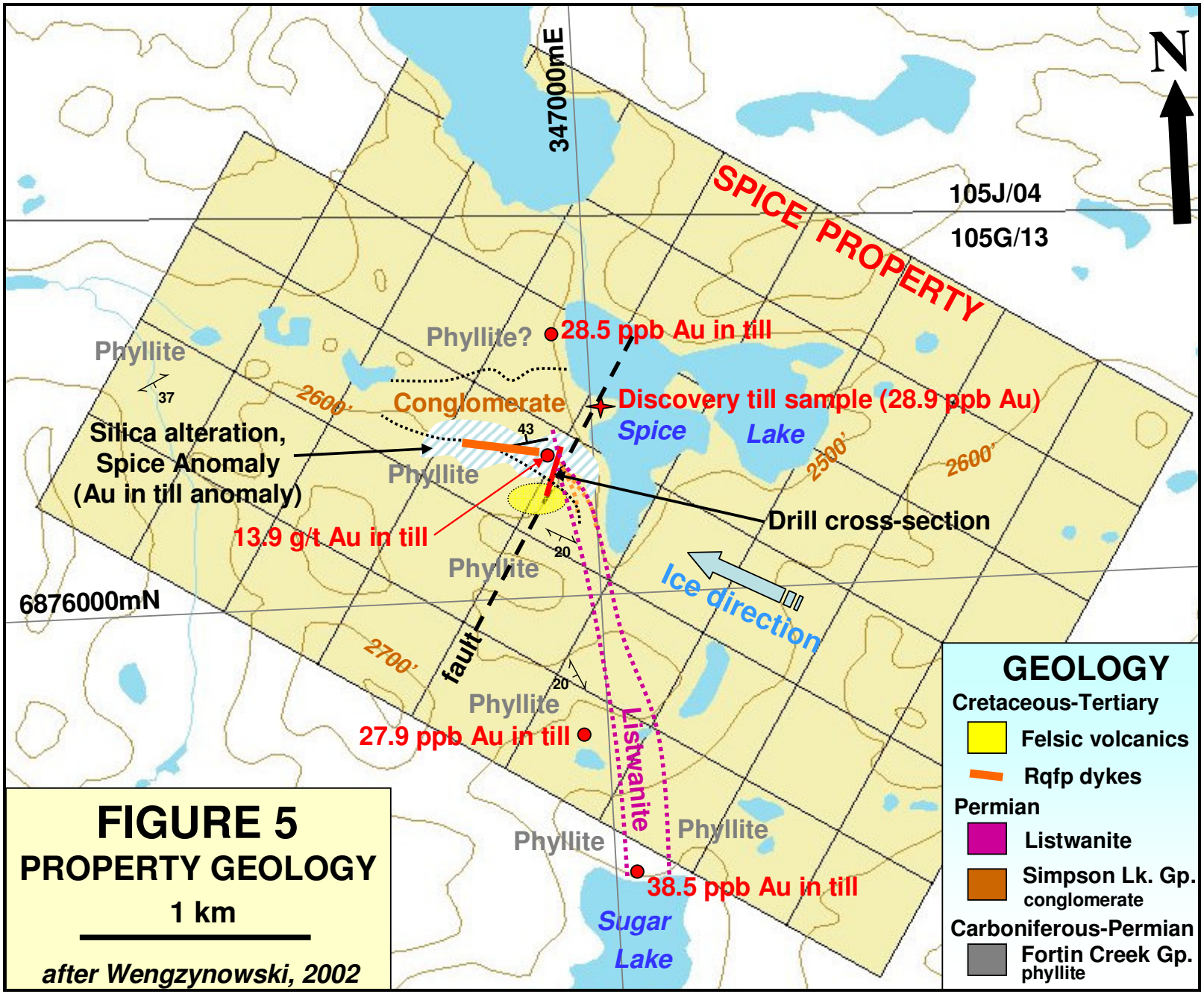


FIGURE 3
REGIONAL GEOLOGY
10 km

after Gordey and Makepeace, 2003


345 000 m E
50
55
132°00'
62°00'
55'
50'
2500
Pcg 43
37
Permian conglomerate
SPICE
PROJECT
N
6875 000 m N
C?cs
Carboniferous to Permian?
Fortin Creek Group
phyllite, clastics, chert, marbl e
and metavolcanic rocks
Eb
Eocene
mafic basalt flows,
necks and dykes
3000
3000
105G 132
Jules
Creek
Fault
PCb
Permian
Campbell Range Fm.
basalt
Weasel
Lake
SLIDE MOUNTAIN TERRANE
70
FIGURE 4
LOCAL GEOLOGY
105G/13
2.5 km
after Murphy et. al., 2001


N
347000mE
SPICE PROPERTY
105J/04
105G/13
Phyllite?
28.5 ppb Au in till
Phyllite
37
2600'
Conglomerate
Discovery till sample (28.9 ppb Au)
Spice
Lake
43
Silica alteration,
Spice Anomaly
(Au in till anomaly)
Phyllite
2500'
2600'
Drill cross-section
13.9 g/t Au in till
20
Phyllite
Ice direction
6876000mN
2700'
fault
20
Phyllite
27.9 ppb Au in till
Listwanite
Phyllite
Phyllite
38.5 ppb Au in till
Sugar
Lake
GEOLOGY
Cretaceous-Tertiary
Felsic volcanics
Rqfp dykes
Permian
Listwanite
Simpson Lk. Gp.
conglomerate
Carboniferous-Permian
Fortin Creek Gp.
phyllite
FIGURE 5
PROPERTY GEOLOGY
1 km
after Wengzynowski, 2002

6.2 Local Geology (Figure 4)

On the Spice property geological mapping in conjunction with the till geochemistry follow up by the Yukon Geological Survey and Geological Survey of Canada uncovered exposure of possible Permian conglomerate **(Pcg),** trending 072º/43ºN, surrounded by Carboniferous to Permian dark grey phyllite **(C?cs)** with a foliation of 055º/37ºS *(Bond and Plouffe, 2001)*. The conglomerate has been tentatively correlated with lithologically similar Permian polymictic conglomerate occurring at a similar structural position, at the boundary of the Slide Mountain terrane with the North American continental margin, in the Frances Lake and Watson Lake map sheets *(Murphy et. al., 2002)*.

A similar conglomerate also occurs 3 km west of Ross River at the past producing coal mine (Minfile 105F 048) at Whiskers Lake *(Figure 3)*. The conglomerate occurs at the top of a coarsening upwards sequence of mudstone, minor sandstone and coal strata with dinosaur footprints, with the conglomerate in the hanging wall of the coal seams *(Long et. al., 2001)*. A coal occurrence (Minfile 105J 018) occurs approximately 8 km northeast of the Spice property *(Figure 3)* and possible coal fragments were observed within the conglomerate unit at the Spice property in Pit 125 *(Mann and Pautler, personal observation 2006)*. A more developed foliation in the Spice conglomerate may suggest an older Permian age, but the foliation could also be due to proximity to major structures.

Two additional Minfile occurrences in the Spice area cover airborne electromagnetic anomalies *(Figure 3)*. Bojo (Minfile 105J 028), 7 km east of the Spice, covers an area of projected Anvil-type stratigraphy with limestone and black calcareous shale of Paleozoic age to the north and schist, calc-silicate and black to grey phyllite with metabasite interbeds to the south. The ground surveys outlined two coincident magnetic - electromagnetic targets.

The Neck anomaly (Minfile 105G 132) lies 5 km southeast of the Spice property. The northeast portion of the Neck claims are underlain by Tertiary mafic volcanic rocks, the central portion, possible listwanite of the Campbell Range Succession, and in the south, float of Devonian to Mississippian micaceous metasedimentary rocks. Numerous faults juxtapose the various units against each other.

6.3 Property Geology (Figure 5)

There is less than 1-2% outcrop on the Spice property hence geological mapping is primarily based on trench and pit exposures and rock chips from till and soil holes.

The best exposed unit on the property is a polymictic framework supported conglomerate occurring within the central portion of the Spice Anomaly area. The unit trends east-northeasterly and dips moderately north. Clasts include variably silicified phyllite, grit, chert, occasional quartz, and rare coal or charcoal. As discussed under “Local Geology”, the conglomerate appears to be of Permian age, although there are some similarities to a mid Cretaceous conglomerate near Ross River. The coarse, unsorted, polymictic conglomerate in SP07-1 has strong similarities to the Permian

conglomerate, typically composed of local source rocks, in this case the Carboniferous to Permian clastic rocks of the Fortin Creek Group.

The conglomerate is surrounded, possibly underlain, by dark grey fissile phyllite, commonly graphitic, that exhibits a well developed foliation trending northwest and dipping gently southwest, except in the western property area where it trends northeast and dips southeast. In drill core the unit was found to include interbedded variably graphitic phyllite, argillaceous siltstone, sandstone, grit, a fine well sorted conglomerate, with clasts generally up to 1 cm, and ribbon chert. The clastic rocks range from pelitic to locally more siliciclastic. The unit appears to belong to the Carboniferous-Permian Fortin Creek Group of the Slide Mountain terrane.

The Permian conglomerate unit, and possible minor phyllite, is silicified within a zone that appears to correspond to a gold in till anomaly, referred to as the Spice Anomaly or main zone *(Figure 5)*.

A northerly trending rusty orange weathering tan to cream coloured listwanite zone was identified generally south of Spice Lake. Mariposite and quartz veinlets are common *(Wengzynowski, 2002)*. Samples from the zone are not anomalous. In 2007 it was noted that the listwanite alteration extends outwards from the host serpentinite into the surrounding phyllite in the southern property area, just north of Sugar Lake. The ultramafic unit was primarily intersected in the bottom of DDH SP07-01, and was commonly steatized, serpentinized, and listwanite altered *(see section 11.3 of this report under "Drilling")*. Identification was confirmed by petrographic analysis *(Appendix II)* and trace element geochemistry *(Appendix III)*.

Rhyolite was identified in trenches at 630E/360N and as fragments within the basal till through the central portion of the Spice Anomaly area by ATAC in 2002 *(Wengzynowski, 2002)*. Examination of the trenches and various pits in 2006 failed to locate a significant body of rhyolite. The 2007 drill program intersected dykes and/or sills of rhyolite quartz feldspar porphyry.

A felsic (possibly rhyolite) crystal lithic tuff was encountered near the top of DDH SP07-3 and may underlie the area to the south of the collar of SP07-3. The volcanic unit appears to have extruded through fine siliciclastic sedimentary rocks of the Fortin Creek Group since it contains blocks of this unit. The tuff contains 5% quartz eyes, 10% euhedral to subhedral feldspar crystals and 20-25% elongated chloritic lithic fragments, a few mm to 1-2 cm in size. The composition is similar and the tuff is probably genetically related to the rhyolite quartz feldspar porphyry dykes; the dykes probably feeders to the volcanic rocks.

A northeasterly trending, low angle fault zone is represented by a 5-10m wide recessive linear and was exposed in the above trenches at 630E/360N, which is L0W/100S on the old grid *(Wengzynowski, 2002)*. The existence of the fault is supported by the 2004 magnetic data *(Figure 6)*.

All known outcrop locations were investigated by the author in 2007 except for a dark grey phyllite outcrop with a foliation of 055º/37ºS recorded by the Yukon Geological Survey and Geological Survey of Canada *(Bond and Plouffe)* which occurs proximal to a bear

den. Locations were recorded using a Garmin 12XL GPS, in Nad 83, Zone 9 projection and are tabulated below.

Table 2: Outcrop locations

Name	Easting	Northing	Description
SPOTC1	346810	6876653	Silicified conglomerate outcrop, sheeted looking quartz veinlets
SP-1	346996	6875323	Listwanite outcrops at small knoll by ponds, foliation trends 047º/62ºE
SPOTC2	347010	6875316	Listwanite with sheeted quartz veinlets to 4 cm trending 020º/80ºE
SPOTC3	347085	6874821	Silicified graphitic phyllite with fractures, bedding? at 165º/60ºE
SPOTC4	346678	6876727	Centre of three outcrops of conglomerate
SPOTC5	346615	6876617	Rhyolite quartz feldspar porphyry, ± silicified knob
SPOTC6	346623	6876600	Rhyolite quartz feldspar porphyry and silicified clastics as subcrop

The major units underlying the property are summarized below.

Cretaceous to Tertiary?
RCLT: Rhyolite crystal (XL) lithic tuff
RQFP: Rhyolite quartz feldspar porphyry: commonly as dykes or sills

Early Permian ultramafic and mafic intrusions
LIST listwanite
UM ultramafic

Permian Simpson Lake Group (deposited on Slide Mountain)
CGL conglomerate

SLIDE MOUNTAIN TERRANE
Carboniferous to Permian Fortin Creek Group
BCU: Bedded Clastic Unit undifferentiated:
commonly pelitic to quartz rich clastic rocks, phyllite
- **BCU:** Fine clastics
  - **Mdst:** mudstone
  - **Sts:** siltstone
  - **Sdst:** sandstone
  - **Qte:** quartzite
- **Grit:** grit
- **Cgl:** fine conglomerate interbedded with grit and finer BCU

7.0 DEPOSIT MODEL

The gold-silver-arsenic-antimony-thallium-mercury signature of the Spice Anomaly suggests either an epithermal or sediment hosted gold model. Petrographic work in 2006 identified anhedral quartz, interpreted to have been formed as chalcedony, open space filling textures and possible breccia. It was interpreted to be from a hotspring type deposit formed at a shallow depth (*Pautler, 2007)*. This suggests that the Spice Anomaly is representative of hotspring gold-silver type mineralization which forms in the uppermost parts of epithermal systems.

Based on the 2007 drilling the gold-quartz vein model may also have potential since quartz±carbonate veins and veinlets were encountered in zones of silica, pyrite and sericite alteration with widespread carbonate alteration noted. This type of deposit occurs in moderate to gently dipping fault/suture zones related to continental margin collisional tectonism (environment at Spice) and associated with the presence of serpentinized and carbonate-altered ultramafic rocks, with listwanite alteration common.

7.1 Epithermal Hotspring Gold-Silver

The Spice Project exhibits key features of hotspring gold-silver type epithermal systems, including environment, mineralogy, alteration, weathering, morphology, trace element signature and lack of base metals. Sheeted veins were noted at one of the rare outcrop locations on the Spice. There is also a possibility of a mid Cretaceous to Tertiary volcano-sedimentary succession on the property that would have similarities to the Grew Creek epithermal deposit, 60 km to the west.

Examples for the hotspring gold-silver model include McLaughlin in California, Round Mountain in Nevada, and Cinola in British Columbia. Commodities are gold, silver and mercury. The following characteristics of the hotspring gold-silver deposit model are primarily summarized from Panteleyev (1996).

Hotspring gold-silver deposits form in areas of continental margin rifting and district scale fracture systems with associated bimodal or low volume mafic to intermediate volcanism. They are commonly in regions of strike slip faulting with transform faults and trans-tensional basin margins, and in regions of extensional tectonism with related caldera development and resurgence, flow-dome complexes and high-level subvolcanic intrusive activity.

Mineralization consists of pyrite, marcasite, gold, electrum with lesser stibnite, sulphosalt minerals and realgar (with cinnabar in the uppermost portion) contained in a gangue of quartz, chalcedony and lesser opal, calcite, dolomite and barite, and occurs as strong silicification with quartz, chalcedony and opal in crustified, banded veins, sheeted veins and stockworks. Silica in some deposits contains abundant hydrocarbons that impart a characteristic brownish colour to the quartz. Host rocks include intermediate or bimodal volcanic rocks, hydrothermal breccias and siliceous sinters. Clastic and epiclastic sedimentary rocks also host deposits in intra-volcanic basins and structural depressions and serpentinized ultramafic and mafic rocks in major fault zones in areas of post faulting volcanic activity.

Alteration generally consists of multiple episodes of silicification to form veins and stockworks, typically with adjacent pervasive silicified host rocks and argillic and, less commonly, advanced argillic assemblages with quartz-kaolinite and rarely alunite in the surrounding country rocks. Propylitic alteration, with chlorite, iron oxides, zeolites and minor adularia, dominates at depth and/or peripherally. Selenite, alunite and other sulphate minerals and native sulphur can be abundant locally near surface. Limonite, and lesser jarosite, hematite and goethite, is locally prominent near surface in strongly oxidized deposits.

The deposits form in shallow portions of geothermal systems. The hotsprings deposit silica near the paleo groundwater table and as subaerial, ponded precipitates. Deeper fluids are channeled by permeable stratigraphic units, hydrothermal breccia bodies and faulted/fractured rocks. The deposits commonly occur in subaerial volcanic centres including flow-dome or caldera complexes and related radial and ring fracture systems.

Ore zones typically occur as near-surface, lensoid hotspring deposits and planar lithologic replacement zones with individual zones up to hundreds of metres in two dimensions and tens of metres in the third. Underlying these are cone or wedge-like hydrothermal feeder systems with quartz stockworks and veins centred on regional scale fault and fracture zones, or their splays. Locally phreatic and phreatomagmatic explosion pits formed at the paleosurface.

Ages of mineralization are primarily Quaternary to Tertiary but hotspring sinters as old as Late Devonian have been described.

Elemental associations are gold, antimony, arsenic, mercury and thallium near surface (observed in Spice till geochemistry), increasing silver (in Spice till geochemistry) and barium (not adequately analyzed) at depth, and locally nickel (observed in and proximal to listwanite zone at Spice), boron (tourmaline noted at Spice), lithium and tungsten (not adequately analyzed). The Ag/Au ratio varies from 1:1 at surface to 30:1 at a depth of a few hundred metres. Mineralized rocks can be strongly leached at surface. Base metal content is relatively low and selenium, tellurium, fluorine, molybdenum, tin and manganese are notably absent. Resistivity and VLF-EM geophysical surveys may be useful in outlining faults.

Economic bulk mineable deposits contain >10 million tonnes of 1 to 2 g/t Au, or greater. High-grade veins and stockworks within the larger mineralized zones can be exploited by underground methods. The McLaughlin deposit contained initial reserves of 17.5 million tonnes of 5.2 g/t Au and about 16 g/t Ag, including a sheeted vein zone with 2.45 million tonnes grading 9.15 g/t Au. Reserves for Cinola are about 31 million tonnes of 2.19 g/t Au; the deposit has a feeder zone at depth that contains material containing in excess of 100 g/t Au. Associated deposit types include high and low sulphidation epithermal gold-silver, hotspring mercury, solfatara sulphur and placer gold.

7.2 Sediment Hosted Gold

Examples of sediment hosted gold deposits include Carlin, Getchell, Cortez, Gold Acres, Jerrett Canyon, Post and Gold Quarry in Nevada, Mercur in Utah, Guizhou in China, and possibly Golden Bear, British Columbia and Brewery Creek, Yukon. Deposits are mainly Tertiary, but can be any age. The following characteristics of the sediment hosted gold deposit model are primarily summarized from Schroeter and Poulsen (1996).

Sediment hosted gold deposits occur as irregularly shaped, but generally tabular, stratabound bodies localized at contacts between contrasting lithologies (may be separated by thrust fault). Some ore zones (often higher grade) are discordant and consist of breccias developed in steep fault zones. Gold occurs evenly distributed

throughout host rocks as micron-sized grains accompanied by disseminated sulphides (mainly pyrite). They occur in passive continental margins with subsequent deformation and intrusive activity, and possibly in island arc terranes.

Ore minerals include micron-sized native gold, pyrite with arsenian rims, arsenopyrite, stibnite, realgar, orpiment, cinnabar, fluorite, barite, and rare thallium minerals in a gangue of fine grained quartz, barite, clay minerals, carbonaceous matter and lesser late-stage calcite veins. Host rocks are most commonly thin bedded silty or argillaceous carbonaceous limestone or dolomite, commonly with carbonaceous shale. Non-carbonate siliciclastic and rare metavolcanic rocks and felsic plutons and dykes can be local hosts.

Alteration, strongly controlled by local stratigraphic and structural features, consists of a central core of strong silicification with silica veins and jasperoid close to mineralization and peripheral argillic alteration. Decalcification of carbonate rocks is common and carbonaceous material is present in some deposits.

Ore controls include deep structural controls that may be related to accreted terrane boundaries (Spice is situated at the margin of Slide Mountain terrane), presence of small felsic plutons or dykes that may have caused geothermal activity (the quartz feldspar porphyry dykes at Spice), and selective replacement of carbonaceous carbonate rocks adjacent to and along high-angle faults, regional thrust faults or bedding. (Carbonaceous units occur at Spice that appear to be replaced along bedding planes, and a possible thrust fault was mapped. Although carbonate rocks have not been identified at Spice, marble has been identified within the regional unit (C?cs), outcrop is scarce away from the main alteration zone and carbonate is present in the environment as evidenced by the listwanite, which may outline a deep seated fault system.)

Elemental associations are gold, arsenic, mercury, tungsten, and/or molybdenum and arsenic, mercury, antimony, thallium and/or iron (all of which occur on the Spice property, except for tungsten which was not adequately analyzed for). The Ag/Au ratio is generally 1:10. Geophysics is useful in outlining resistivity lows associated with some deposits and aeromagnetic surveys may highlight spatially associated intrusions.

Typical grade and tonnage figures range from 1 to 150 million tonnes of 1 to 35 g/t Au. The median of 43 significant deposits is 20 million tonnes of 1.2 g/t Au for supergene and 6 million tonnes of 4.5 g/t Au for hypogene.

7.3 Gold-Quartz Veins

Examples of gold-quartz vein deposits include Bralorne-Pioneer, Cariboo Gold Quartz and Erickson in British Columbia, Alaska-Juneau, Jualin and Kensington in Alaska, and those in the Mother Lode and Grass Valley districts in California. Deposits are of post-Middle Jurassic age in the Cordillera, and appear to form immediately after accretion of oceanic terranes to the continental margin; (at Spice following the collision of Slide Mountain with the North American margin). The following characteristics of the gold-quartz vein deposit model are primarily summarized from Ash and Alldrick (1996).

This type of deposit typically occurs as gold bearing quartz-carbonate veins and veinlets with minor sulphides crosscutting varied hostrocks and localized along major regional faults and related splays. The wallrock is typically altered to silica, pyrite and muscovite within a broader carbonate alteration halo (observed in Spice drilling). Largest concentrations of free gold are commonly at, or near, the intersection of quartz veins with serpentinized and carbonate-altered ultramafic rocks (which occur on the Spice property).

The mineralization commonly occurs in a system of en echelon veins on all scales. Tabular fissure veins occur in more competent host lithologies, with veinlets and stringers forming stockworks in less competent lithologies. Lower grade bulk-tonnage styles of mineralization may develop in areas marginal to veins with gold associated with disseminated sulphides and may also be related to broad areas of fracturing with gold and sulphides associated with quartz veinlet networks. Major ore controls are secondary structures at a high angle to relatively flat-lying to moderately dipping collisional suture zones and competent host rocks.

Ore minerals include native gold, pyrite, arsenopyrite, with lesser galena, sphalerite, chalcopyrite, pyrrhotite, tellurides, scheelite, bismuth minerals, cosalite, tetrahedrite, stibnite, molybdenite and gersdorffite (NiAsS) in a gangue of quartz and carbonates (ferroan-dolomite, ankerite, ferroan-magnesite, calcite and siderite), and lesser albite, mariposite (fuchsite), sericite, muscovite, chlorite, tourmaline, graphite. Host rocks are varied including mafic volcanics, ultramafic and mafic intrusions, fine clastic rocks, chert, and felsic to intermediate intrusions.

Silicification, pyritization and potassium metasomatism generally occur adjacent to veins (usually within a metre) within broader zones of carbonate alteration, extending up to tens of metres from the veins. Carbonate alteration consists of talc and iron-magnesite in ultramafics rocks, ankerite and chlorite in mafic volcanic rocks, graphite pyrite in sediments, and sericite, albite, calcite, siderite and pyrite in felsic to intermediate intrusions. Quartz-carbonate altered rock (listwanite) and pyrite are often the most prominent alteration minerals in the wallrock. Fuchsite, sericite, tourmaline and scheelite are common where veins are associated with felsic to intermediate intrusions.

Elemental associations are gold, silver, arsenic, antimony, potassium, lithium, bismuth, tungsten, tellerium and boron, ±(cadmium, copper, lead, zinc and mercury). Most occur on the Spice property, except for tungsten which was not adequately analyzed for. Geophysics is useful in outlining faults indicated by linear magnetic anomalies and areas of carbonate alteration indicated by negative magnetic anomalies due to destruction of magnetite.

Typical grade and tonnage figures average 30,000 tonnes grading 16 g/t Au and 2.5 g/t Ag, but may be as large as 40 million tonnes. The largest gold-quartz vein deposit in British Columbia is the Bralorne-Pioneer which produced in excess of 117,800 kilograms of Au from ore with an average grade of 9.3 g/t. These deposits are a major source of the world's gold production, however the veins are usually less than 2m wide and therefore, only amenable to underground mining. Associated deposit types include gold bearing sulphide mantos, silica veins and placer gold.

8.0 MINERALIZATION (Figures 3 to 5)

The Spice Project covers the Spice Minfile anomaly as documented by the Yukon Geological Survey as Minfile Number 105G 150 *(Deklerk and Traynor, 2005)*. The occurrence was discovered by the Yukon Geological Survey during a regional till geochemistry survey in 2000. The sample returned 28.9 ppb Au, 484.5 ppm As, 151.37 Sb ppm, 21 ppm Hg, 1 ppm Tl and 1.37 ppm Ag, the highest values in the survey area. The trace element signature is suggestive of epithermal or sediment hosted gold style mineralization.

Gold mineralization on the Spice property appears to be related to silica alteration as pervasive silicification of the clastic sedimentary stratigraphy, quartz veining and re-silicified breccias. The sedimentary strata is generally graphitic and coal fragments were noted. Sheeted veinlets were observed in 2006 at an exposure of silicified conglomerate at UTM co-ordinates 6876653mN, 346810mE in Nad 83, Zone 9 projection.

Anhedral quartz, interpreted to have formed as chalcedony, open space filling textures and possible breccia were identified in thin section, as well as iron and possible manganese hydroxides and minor tourmaline *(Pautler, 2007)*. Multi-episodic silicification is evident with cross cutting quartz veins and silicified possible breccia clasts in a quartz matrix. Multi-episodic silicification is important in concentrating gold.

Weak to moderate fine disseminated pyrite, possible arsenopyrite (but may be arsenium, which is pyrite with arsenical rims) and stibnite occur within silicified conglomerate *(Traynor, 2002)* and possible phyllite. The presence of stibnite is supported by ICP geochemical results of up to 780 ppm Sb and rock samples are commonly moderately enriched in arsenic (100-600 ppm) suggestive of arsenium. Stibnite was encountered in DDH SP07-1 hosted by fine quartz stringers.

9.0 PREVIOUS EXPLORATION

Exploration on the Spice Project, undertaken from 2001 to 2006, has involved, till, soil, silt and rock geochemistry, hand/blast pitting and trenching, ground magnetic, induced polarization/resistivity and VLF-electromagnetic geophysical surveys and limited petrography.

9.1 Geochemistry (Figure 6)

A 175 sample regional till geochemistry survey by the Yukon Geological Survey over NTS map sheet 105G/13 in 2000 outlined a high gold with a coincident high epithermal trace element signature anomaly from a peninsula in the Spice property area (Sample JB00-155). The sample returned 28.9 ppb Au, 484.5 ppm As, 151.37 Sb ppm, 21 ppm Hg, 1 ppm Tl and 1.37 ppm Ag, the highest values in the survey area in 2000 *(Bond, 2000)*.

Supplementary till sampling by the Yukon Geological Survey and Geological Survey of Canada in 2001 involved the collection of nine samples across the suspected local ice flow direction at a 100m spacing. The survey outlined anomalous gold values over 300m, with maximum values of 13,891 ppb Au, 952 ppm As, 117 ppm Sb, 24 ppm Hg, and 7.0 ppm Ag (Sample JB01-001-02) at 480E/390N, 300m southwest of the 2000 discovery site. The multi-element till sample results are summarized in Table 3 below.

TABLE 3: Summary of government till results

Grid Co-ordinates	Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
peninsula	JB00-155	28.9	1374	484.5	151.37	21020
L150W/500N	JB01-001-09	11.6	583	37.4	8.5	1169
L150W/400N	JB01-001-08	28.5	708	157.3	17.81	5892
L150W/300N	JB01-001-07	13.3	245	56	20.2	3534
L150W/200N	JB01-001-06	9.1	226	186	53.56	12407
L150W/100N	JB01-001-05	41	187	561.8	123.89	25957
L150W/000N	JB01-001-01	28.9	584	77.3	22.16	2941
L150W/100S	JB01-001-02	13890	6995	951.6	117.43	23832
L150W/200S	JB01-001-03	72	700	226.3	44.09	7127
L150W/300S	JB01-001-04	12.4	1158	77.8	15.43	2093

The thin till cover, abundance of angular bedrock fragments in till at this site and reproducibility of the results suggested that the source of the anomaly was likely proximal, possibly within 50m of the sample site *(Bond and Plouffe, 2001)*. A value of 1.05 g/t Au, with no anomalous pathfinder elements, was obtained from a rock sample consisting of angular pebbles of grey quartz with breccia fragments and hair-like black veinlets, collected from the till pit (Sample JB01-001-02R).

In 2001 Tanana Exploration Inc. collected 24 rock samples and 53 reconnaissance grid soil (20 not analyzed) and silt samples outlining a 300m long by 100-150m wide northwest trending, open ended gold, arsenic, antimony and mercury soil anomaly *(Traynor, 2002)*. Most of the rock samples were collected from pits, so will be discussed under “Trenching”.

ATAC Resources Limited completed a till sampling program in 2002 with 131 samples from 107 sample sites, utilizing a gasoline powered auger drill. The survey outlined an open ended 600m by 200m gold in till anomaly *(Figure 8)* with the highest value of 4.46 g/t Au from a sample site that twinned Bond’s sample number JB01-001-02, which returned 13.9 g/t Au. The dominant rock fragment type from this site was described as highly fractured grey-white rhyolite (but may be largely silica) with graphitic hairline fractures. Duplicate till samples showed good reproducibility. Reconnaissance rock and soil samples were collected outside the grid area but did not return anomalous gold values.

It should be noted that the samples collected by ATAC did not follow standard preparation procedures. The samples were crushed to -2 mm, then a 250 gram split was pulverized to better than 85% minus 75 microns. The pulverization would normally

dilute the results but if highly anomalous rock chips are present, it would enhance the values. Therefore the procedure is useful in locating the source of mineralization but not the patterns or extent.

In 2004 Tanana collected 57 till samples and 7 rock samples for Klondike Gold Corp. Significant till results south of the grid area include 38.5 ppb Au with high thallium (1.28 ppm Tl) and nickel (3463 ppm Ni) from the north edge of a small lake (Sugar Lake) along the southern projection of the listwanite zone and 27.9 ppb Au from a pond west of the listwanite zone *(Figure 5)*. This compares to 28.9 ppb Au from the discovery till sample. The former sample is of particular interest since it may represent another silicified horizon or a fault extension of the main zone. A till sample 75m south of the southernmost gold in till anomalies obtained by ATAC in 2002, from near L500E/125N, returned high antimony (172 ppm Sb) with anomalous silver (1.2 ppm Ag). For comparison Pit 0, the site of Bond's 13.9 g/t Au in till anomaly, returned 54.8 ppb Au with 45 ppm Sb and 2.21 Tl showing lower order overall values from the 2004 program. Pit 170, which previously returned 30 ppb Au from ATAC's 2002 till survey in which samples were pulverized, ran 259 ppb Au, 1.8 ppm Ag, 239 ppm Sb, 1.24 ppm Tl and 30 ppm Hg in the 2004 sampling. This confirms the dilution factor caused by pulverization.

A total of 148 soil samples were collected in 2006 along the 2004 IP grid outside of the central area previously sampled by ATAC Resources Limited. Samples were generally collected at 25m intervals on lines spaced 100m apart. The survey extended the known zone of anomalous gold in till anomalies 75m to 125m further north and 100m to the northwest, still open to the northwest and partly open to the north.

Additional moderate spot gold in soil anomalies (with proximal antimony and arsenic at L500E/125N) and molybdenum-silver ±thallium anomalies occur 300-400m south of the main zone. Only one 225m line, southeast of Spice Lake, has been undertaken in the eastern half of the property, with no significant anomalies. Additional sampling is warranted here.

Five comparison samples collected in 2006 from the previous 2002 till sites showed first and second order anomalous gold, arsenic and antimony results in both but the soils returned higher gold, silver, arsenic, antimony and mercury values, which would be expected since the 2002 till samples were pulverized, diluting results unless anomalous rock chips were present. It should be noted, however that in areas of thicker till cover the till samples could return higher values despite pulverization. Basal till samples analyzed by conventional methods would be more effective in delineating geochemical patterns and extent of anomalies.

There also appeared to be a weak correlation between anomalous molybdenum and anomalous silver. Molybdenum is notably absent in hotspring epithermal systems, but may indicate deeper levels within the epithermal environment.

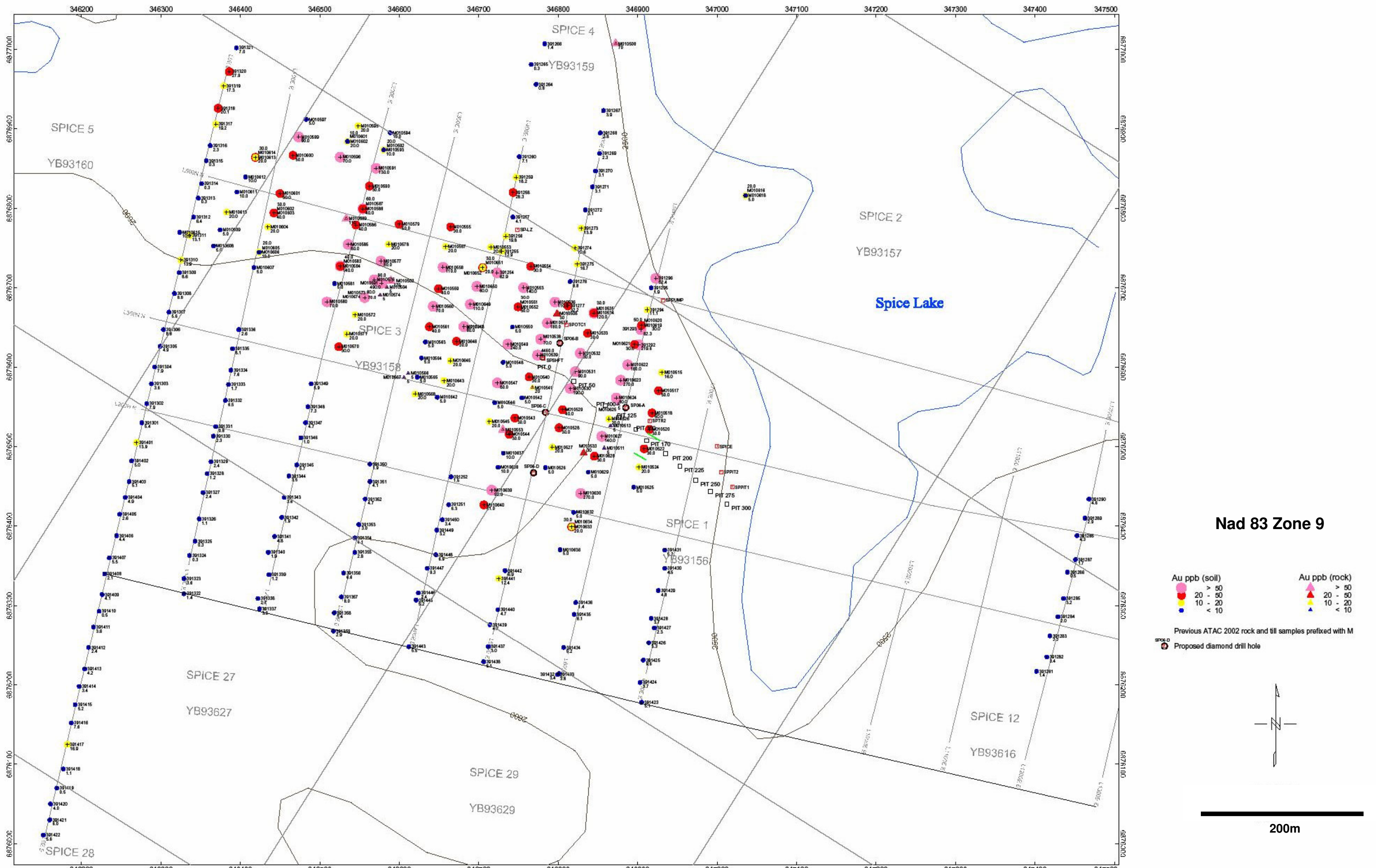


FIGURE 6

Klondike Star Mineral Corp.

Spice Project
Soil Geochemistry, Rock Samples

2006 and ATAC Samples
Au ppb
Figure 8
June 12, 2007

9.2 Geophysics (Figures 7 and 8)

In early 2004 a 132 line km magnetic survey, utilizing a GPS guidance system, was completed by Aurora Geosciences Limited for Klondike Gold Corporation *(Casselman, 2004 - Figure 7)*. Later in 2004 Aurora completed a 7.2 line km induced polarization/resistivity survey *(Figure 8)* and 2.6 line km of VLF-EM over an 8.5 line km grid that was cut for Klondike Gold Corporation to investigate the source of elevated gold, arsenic, antimony, mercury and silver geochemical values on the property *(Hildes, 2004)*.

The induced polarization survey utilized a dipole-dipole array with 25m dipole spacing, reading from the 1st to the 6th separation. The data were interpreted by employing automated computer inversion to generate 2D models of the chargeability and resistivity distribution along each line. These results were in turn contoured to generate three dimensional models of chargeability and resistivity. The VLF-EM data was collected on lines perpendicular to the IP lines *(Hildes, 2004)*.

The induced polarization survey identified a shallow, gently-north dipping, chargeability-high, resistivity-high zone, approximately 100 metres wide with a strike length of 300 metres from L300 E to L600 E. Within this zone, the anomaly between 270N and 350N on line 500E is coincident with the best gold assays. The geophysical response is consistent with a silicified zone, thought to be the source of the gold *(Hildes, 2004)*.

9.3 Trenching (Figure 6)

Several pits were excavated and sampled by Tanana Exploration Inc. in 2001 with over 50% of the samples returning anomalous arsenic, antimony and mercury with maximum values of 646 ppm As, 783 ppm Sb and 14.33 ppm Hg *(Traynor, 2002)*.

Eleven hand pits and two trenches were excavated by ATAC Resources Limited in 2002, in a line up ice from the strongest gold anomaly and several were excavated to the south. The best results from hand pits and trenches were 1.21 g/t Au and 0.98 g/t Au from Pit 0, the location of Bond's sample number JB01-001-02, which returned 13.9 g/t Au in till. The southern pits uncovered a northeast trending fault but no significant gold anomalies.

The trenches and some of the pits were located by the author in 2006 and recorded using a Garmin 12XL GPS, in Nad 83, Zone 9 projection and are tabulated below.

Table 4: Pit and trench locations

Name	Easting	Northing	Description
SPSHFT	346781	6876611	Pit 0 - 3.5m shaft at site of 13.9 g/t Au till sample
SPPIT1	347019	6876449	Pit 300
SPPIT2	347005	6876468	Pit 275
SPPIT3	346878	6876540	Pit 125 - highly silicified conglomerate with coal? clasts
SPTR1	346920	6876543	Trench with highly silicified phyllite
SPTR2	346915	6876532	Trench with no outcrop, silicified float
SPTR3	346919	6876536	Between TR1 and TR2, silicified float

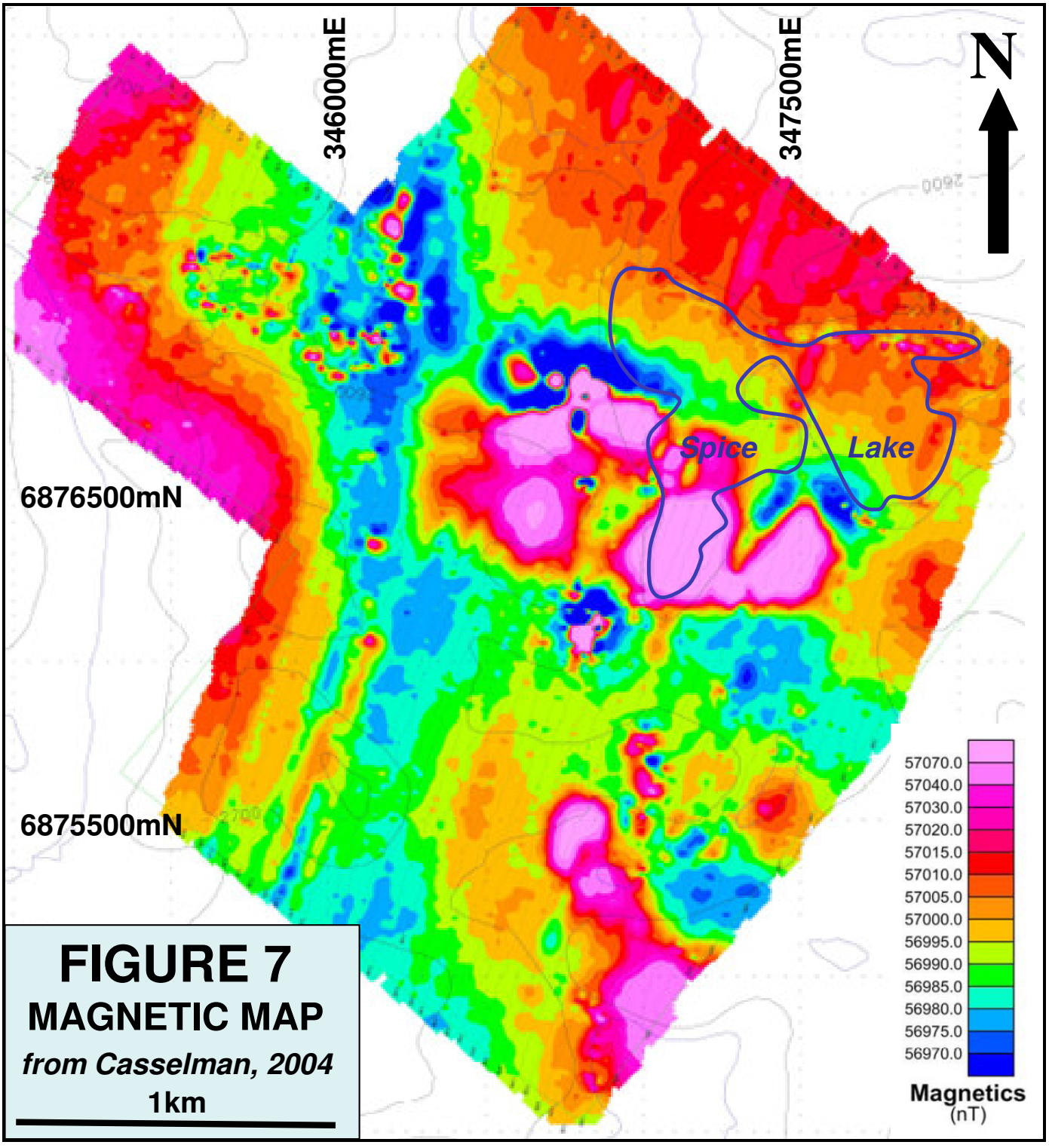


FIGURE 7
MAGNETIC MAP
from Casselman, 2004

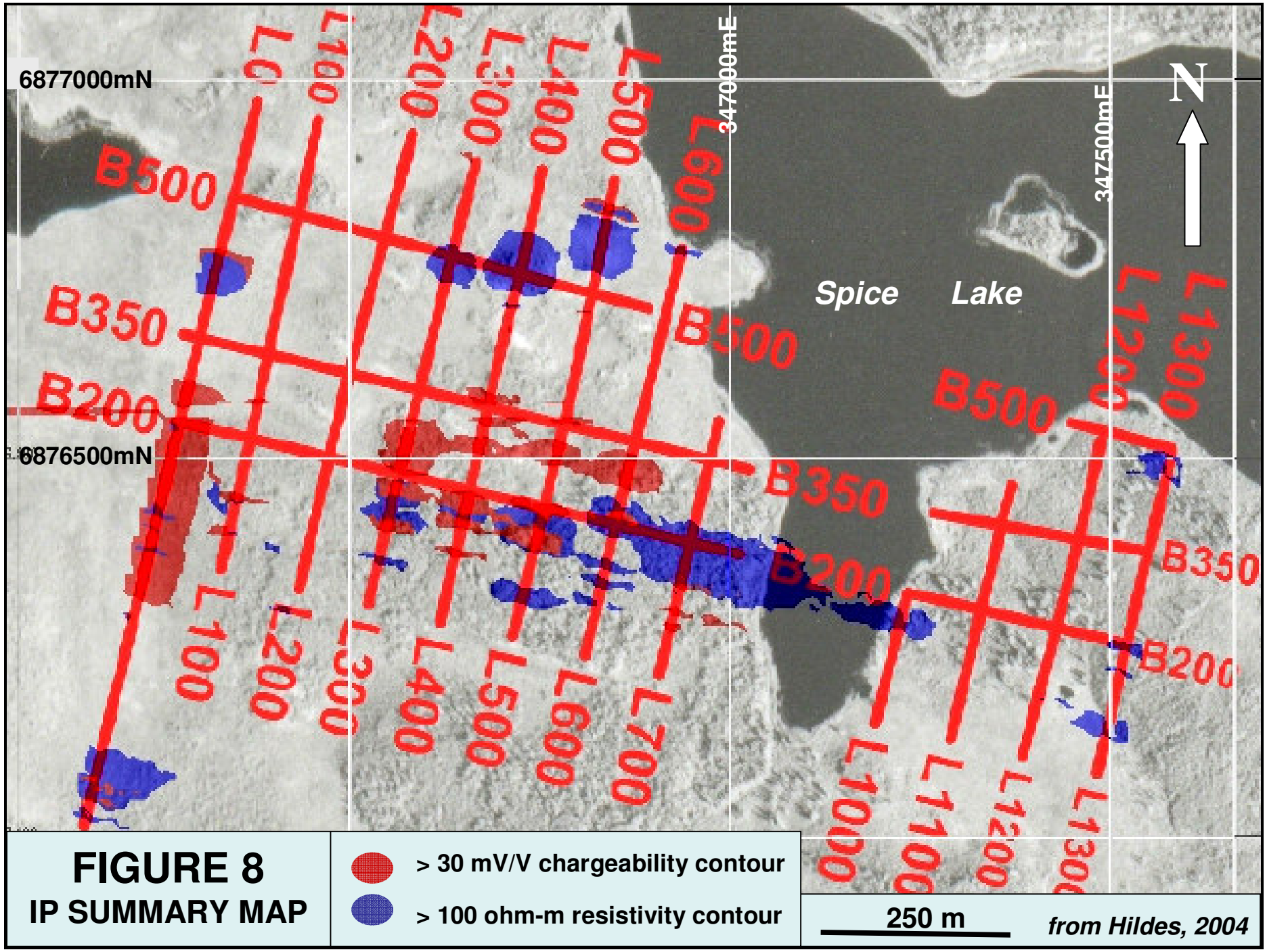


FIGURE 8
IP SUMMARY MAP

> 30 mV/V chargeability contour

> 100 ohm-m resistivity contour

10.0 2007 EXPLORATION PROGRAM

The 2007 program on the Spice Project consisted of 440m of diamond drilling in a fence of three holes, a property examination and petrography. Control was provided by property scale topographic maps, compass and GPS. A total of 68 man-days were spent on the Spice property between May 1 and June 1, 2007.

The diamond drill program is discussed below under “Drilling” and results of the property examination and geological interpretations from the drilling are discussed under the “Geology” and “Mineralization” sections of this report. The petrographic work was conducted by Dr. Tim Liverton and is outlined in Appendix II and discussed under “Deposit Models”, “Mineralization” and in the individual drill hole summaries under “Drilling”.

11.0 DRILLING

11.1 Procedure

A total of 439.5m of diamond drilling, consisting of a fence of three holes across stratigraphy on line 500E, was undertaken on the Spice Project in 2007 to determine the underlying stratigraphy across the central gold in till anomalous zone, to test the only significant anomalous gold in rock location and attempt to determine the nature and style of mineralization. The drill holes targeted the highest gold in till anomaly and the shallow, gently north dipping, chargeability-high, resistivity-high zone between 270N and 350N on line 500E.

Drilling was carried out between May 1 and June 1, 2007 by Alliance Sonic Drilling Inc. of Whitehorse, Yukon Territory. A helicopter supported BBS15 core drill with NQ wireline tools was utilized. The water pump was located at UTM coordinates 6876684m N, 346932m E, Nad 83, Zone 9 projection.

Drill hole specifications are summarized in Table 5 and drill hole locations are shown on Figures 8 and 9. Summary drill logs with legend are located in Appendix IV and complete drill logs in Appendix V. Geotechnical data, including core recovery, rock quality and box ends, is in Appendix VI. Core recovery averaged only 66%. Lithological cross-sections showing gold and mercury results are plotted in Figures 10 and 11 and a geological cross-section is shown in Figure 12. The core was transported to the premises of Klondike Star Mineral Corporation, Whitehorse, Yukon Territory by company personnel, but has now been returned to the property owners and is stored at the property of Mr. Wade Carrell of Tanana Exploration Inc.

Table 5: Drill hole specifications

Hole No.	Prop. Hole	Grid Co-ord.	UTM Nad 83 Northing	Zone 9 Easting	Elev. (m)	Az. (°)	Dip (°)	Depth (m)	Sample Numbers	No. of Samples
SP 07-01	B	L5E/419N	6876624	346802	785	195	-45	158.2	23803-912	109
SP 07-02	C	L5E/328N	6876540	346782	795	195	-50	153.9	23913-24050	138
SP 07-03	D	L5E/250N	6876466	346765	790	195	-50	127.4	24053-165	113
	A	L6E/357N	6876548	346886	785	195	-50	(150)	Not drilled	
	E	L3E/400N				195	-50	(200)	Not drilled	
TOTAL:								**439.5**		**360**

11.1.1 Sampling Method and Approach

All of the core was sampled since the nature of and controls on mineralization are not known. Sample intervals were generally 1.0 to 1.5m except where poor recovery necessitated the sampling of larger intervals due to small sample size.

Core recovery averaged only 66% and was particularly poor in fault zones and some mineralized sections. This could result in lower values and mineralized intervals being missed. Pieces of drill bit were found within clay gouge in sample 23815 resulting in high values in silver, copper and tungsten for this sample. Results from this sample have been discounted.

11.1.2 Sample Preparation, Analysis and Security

All of the core, totaling 360 samples, was logged and split in half at a fenced secure core compound in Ross River. Logging was completed by the author and splitting was completed by Mike Linley, an employee of Klondike Star Mineral Corporation, and Fred Dick, an independent consultant with significant previous experience. Samples were split in half using a mechanical core splitter, placed in clear plastic sample bags, numbered and secured.

Approximately one standard (a 0.401 g/t Au standard) and one blank sample were inserted by the core splitter every 20 to 25 samples for quality control. One duplicate sample was obtained by re-splitting the remaining half of the core (resulting in a quarter of the core) for one sample interval every 20 to 25 samples. A total of 16 standards and 14 blanks were inserted and 13 duplicates collected for a total of 43 quality control samples.

Samples were packed in rice bags, secured and delivered to the sample preparation facility of Eco Tech Laboratory in Whitehorse, prepared and internally sent directly to Eco Tech Laboratory of Kamloops, British Columbia for analysis. Standard quality control procedures involving duplicate analyses and the analysis of standards was completed by the lab.

All samples were analyzed for Al, Sb, As, Ba, Bi, Cd, Ca, Cr, Co, Cu, Fe, La, Pb, Mg, Mn, Mo, Na, Ni, P, Ag, Sr, Ti, Sn, W, U, V, Y and Zn using a 28 element ICP package which involves a nitric-aqua regia digestion and an ICP-MS procedure for comparison

and to add mercury analyses. Gold was analyzed by fire assay with an atomic absorption finish. Lab procedures and complete results are outlined in Appendix III. Eco Tech is an ISO 9001 accredited facility, registration number CDN 52172-07.

The duplicate samples were sent to Acme Analytical Laboratories Ltd, Vancouver, British Columbia and analyzed for Al, Sb, As, Ba, Bi, B, Cd, Ca, Cr, Co, Cu, Ga, Au, Fe, La, Pb, Mg, Mn, Hg, Mo, Na, Ni, P, Ag, K, Sc, Sr, S, Tl, Th, Ti, Sn, W, U, V and Zn using Acme's Group 1DX analysis, a 36 element ICP package which involves a nitric-aqua regia digestion. Acme is an ISO 9002 accredited facility.

Results from the standard and blanks were completely within acceptable limits, with a maximum variation of 3% noted in the standard. Duplicate analyses were also satisfactory. Sample preparation was adequate and security and analytical procedures were excellent.

11.1.3 Data Verification

The author has no reason to doubt the accuracy of the laboratory data. The quality control procedures discussed above under "Sampling Method and Approach" verified the results obtained.

11.2 Results

A brief description of each of the drill holes follows, including a summary of results.

DDH SP07-1 (Figure 10)

SP07-1 targeted the highest gold in till anomaly of 13.9 g/t Au at the 3.5m shaft or Pit 0 location at 480E/390N (UTM co-ordinates 6876611mN, 346781mE in Nad 83, Zone 9 projection). Rock samples of angular fragments from the shaft have yielded values of 1.05 g/t Au, 1.21 g/t Au and 0.98 g/t Au. The shaft also lies within the chargeability-high, resistivity-high zone along L500E.

The hole intersected variably deformed and faulted conglomerate, similar to the outcrop 25m north of the hole collar, from the top of the hole to 106.7m. The conglomerate outcrop contains large clasts up to 1m in size of the local underlying lithology, including smaller white quartz clasts, generally 1-2 cm size. The conglomerate in the drillhole is similar with large clasts and up to 5% quartz as clasts up to 2 cm in size.

Deformed grit was intersected from 106.7 to 132.3m. A listwanite (quartz-carbonate-pyrite-mariposite) altered ultramafic was identified from 132.3 to 153.8m. Fine dark grey bedded clastic rocks, including argillite, sandstone and grit, were intersected from 154.0m to the end of the hole at 158.2m. Rhyolite quartz feldspar porphyry dykes and/or sills, some with flow banding, intrude the conglomerate and bedded clastic unit (BCU) Four dykes/sills occur between 46.95 and 75.2m with three smaller ones between 93.5 and 119.0m.

The hole lies entirely in a fault zone. Minor broken silicified, pyritized and listwanite zones were intersected within the fault but no significant gold values were obtained. The highest values were 150 ppb Au (Sample 23805) from deformed and silicified conglomerate in a fault zone and 120 ppb Au from pebbles to boulders of strongly silicified crackled to brecciated clastic rocks in the overlying overburden (Sample 23810). There appears to be some association between silicification and gold.

Brecciated conglomerate is cut by quartz-carbonate stringers with stibnite from 79.0 to 83.5m returning 3,055 to >10,000 ppm Sb (Samples 23847-49). A sample of brecciated conglomerate from the top of the hole with silicification and quartz pieces also contained high antimony, returning 3,065 ppm Sb (Samples 23809).

High nickel and chromium values with elevated iron are associated with the listwanite, consistent with the chemical composition of an ultramafic. The listwanite intersection is accompanied by high calcium which would be due to carbonate alteration of the ultramafic, a feature of listwanite alteration.

Pieces of drill bit were found within clay gouge in sample 23815 resulting in high values in silver, copper and tungsten for this sample. Results from this sample have been discounted due to contamination from the bit.

DDH SP07-2

SP07-2, 90m grid south (195º) of SP07-1, was drilled to test the extension of the gold in till anomaly to the south of SP07-1, still within the chargeability-high, resistivity-high zone along L500E, targeting down dip of near where the zone comes to surface at L500E/270N.

The hole primarily intersected fine clastic rocks of the bedded clastic unit (BCU) throughout its extent from the top of the hole at 14.5m to the bottom of the hole at 153.9m. Only minor interbeds of grit and conglomerate occur within the sequence.

The BCU is cut by narrow rhyolite quartz feldspar porphyry dykes and/or sills (the largest at 120.4 to 123.8m) and minor listwanite and talc altered ultramafic dykes (three between 42.3 and 55.65m and possibly two between 131.05 and 143.3m. Petrography suggests altered ultramafic compositions *(Appendix II)* but this is not entirely supported by the trace element signatures *(Appendix III)*, which could be a function of the narrow widths with a high percentage of wallrock contamination.

Enhanced gold (maximum 355 ppb Au) ±arsenic values occur between 19.8 and 28.95m apparently associated with minor quartz stringers and weak silicification within and surrounding a quartz feldspar porphyry dyke (Samples 23920-25). The arsenic values (up to 505 ppm As) extend into the pyritic hanging wall of the zone and above (Samples 23915-19).

A pyritic, silicified zone with fine quartz stringers hosted by the BCU was intersected between 71.3 and 73.6m with 6% fine pyrite in foliation parallel veinlets (Samples 23968-970). The zone contains enhanced gold (174 ppb Au over 2.3m).

A quartz vein zone consisting of a stockwork of white to purplish grey quartz veinlets and veins up to 15 cm wide cut the BCU between 93.2 and 94.5m, (Sample 23992). A rhyolite quartz feldspar porphyry dyke occurs below this zone followed by a pyritic zone from 94.8 to 97.5m (Samples 23994-96). No significant values were obtained from the zone.

DDH SP07-3

SP07-3, 75m grid south (195º) of SP07-2, covers the southernmost extent of the gold in till anomaly and completes the cross-section across the main zone.

The hole intersected a felsic (possibly rhyolite) crystal lithic tuff from 16.2 to 37.6m. The volcanic unit appears to have extruded through fine siliciclastic sedimentary rocks of the bedded clastic unit (BCU) with fragments of the BCU caught up within the tuff from 14.5 to 16.2m and from 28.9 to 35.8m, the latter near its base. A rhyolite quartz feldspar porphyry dyke, possibly a feeder to the volcanic rocks, was intersected from the top of the hole at 7.01m to 14.5m.

Fine pelitic and siliciclastic rocks of the BCU were intersected from 37.6 to 63.6m, 79.0 to 82.75m and 101.2 to 127.4m. A finer conglomerate interbedded in the BCU was intersected from 63.6 to 73.3 and 82.75 to 101.2m. Grits of the BCU were encountered from 73.3 to 79.0m. A fault zone was encountered from 37.6 to 73.3m and 79.0m to the end of the hole at 127.4m.

The rhyolite quartz feldspar porphyry dyke in the top of the hole was cut by jarosite filled fractures and quartz breccia veins and stringers up to 15 cm wide (Samples 24054-058, 060). No significant values were obtained possibly due to leaching of the gold within this heavily oxidized zone.

Enhanced gold ±arsenic, ±antimony values are associated with the crystal lithic tuff from 16.2m to 28.9m returning 75 to 190 ppb Au, generally with >100 ppm As and >10 ppm Sb (Samples 24064-071). The adjacent BCU contains minor enhanced gold, and arsenic/antimony values up to 316 ppm As and 36 ppm Sb (Sample 24072).

A pyritic, silicified zone was intersected in the BCU between 51.3 and 57.9m with 10% pyrite as fracture fillings and disseminations (Samples 24096-102). This is followed by a pyritic, silicified quartz vein zone consisting of a stockwork of white quartz veinlets and veins up to 8 cm wide cutting the BCU between 57.9 and 59.0m, commonly with fine pyritic fractures (Samples 24103-104). Although no significant values were obtained the zone contains enhanced gold (maximum 120 ppb Au), and anomalous arsenic/antimony values up to 452 ppm As and 67 ppm Sb.

This zone appears to correspond to the quartz vein and pyritic zones encountered in SP07-2 between 93.2 and 97.5m, resulting in an apparent shallow northerly dip for the zone *(Figure 12)*.

11.3 Discussion

In the drillholes folding is evident particularly within the finer pelitic clastic rocks of the bedded clastic unit (BCU) of the Fortin Lake Group. A coarsening upwards sequence was observed in DDH SP07-1 and a coarsening downwards sequence through the middle of SP07-3. A tops determination from graded bedding in DDH SP07-3 at 88.5m suggests the top direction is downhole. Extensive faulting was encountered in the drillholes particularly in SP07-1, resulting in difficulty in interpreting original bedding and textural features.

The coarse, unsorted, polymictic conglomerate in SP07-1 has strong similarities to the Permian conglomerate (Simpson Lake Group) that locally overlies Slide Mountain terrane. It is typically composed of local source rocks, in this case the underlying Carboniferous to Permian bedded clastic unit (BCU) of the Fortin Creek Group. Listwanite and rhyolite quartz feldspar porphyry clasts were not observed within the conglomerate. Rhyolite quartz feldspar porphyry clasts do occur within breccia zones which also include brecciated Permian conglomerate and BCU clasts.

Alteration observed in the drillholes includes silica-pyrite, sericite, listwanite, talc, locally chlorite and rare biotite, with clay in weathered and fault zones.

Exceptionally high mercury values (>10,000 ppb to a maximum of 45,400 ppb Hg) were encountered in the drillholes and in previous geochemical sampling on the property. In the drillholes the mercury appears to be concentrated in the more porous units such as the Permian conglomerate and the coarser beds (grits and conglomerates) within the BCU of the Fortin Creek Group. It also occurs within the listwanite intersected in the bottom of SP07-1. The influx of mercury appears to postdate silicification since the silicified portions of the conglomerate, proximal to the rhyolite quartz feldspar porphyry dykes, do not contain high mercury.

Two holes proposed in 2006, listed in Table 4, were not drilled due to time and budgetary constraints. Proposed DDH SP06-A targets the footwall of significant high silica alteration exposed in Trench 02-1, high gold in till values within the main zone and the southeastern extension of the chargeability-high, resistivity-high anomaly. This hole would probably intersect the listwanite zone resulting in poor drilling conditions and core recovery. Proposed DDH SP06-E at L300E/450-475N targets the second highest gold in till result of 490 ppb Au within the main zone, but the till anomaly may represent glacial dispersion and lie down ice from the source.

12.0 ADJACENT PROPERTIES

There are no properties adjacent to the Spice property.

13.0 INTERPRETATION AND CONCLUSIONS

The 2007 drill program on the Spice property was successful in identifying favourable stratigraphy to host a significant gold deposit. Although results were disappointing, enhanced gold, ±arsenic ±antimony are associated with pyritic, silicified ±quartz stockwork zones. Exceptionally high mercury values are evident suggesting a high level environment within a hotspring system.

The hotspring deposit model for the Spice anomaly is supported by the following features:

1) environment (district scale fracture systems)
2) mineralogy (pyrite, stibnite, cinnabar in upper levels, quartz, chalcedony, calcite)
3) alteration (silicification, limonite, lesser jarosite)
4) morphology (lithological replacement zones with mercury, and quartz stockworks, veins and breccia)
5) host rocks (evidence of subaerial volcanic rocks, clastic sedimentary rocks and serpentinized ultramafic rocks in a major fault zone)
6) trace element signature (antimony, arsenic, mercury and thallium near surface, increasing silver and barium at depth, and locally nickel and boron)
7) textures (open space filling textures).

It is still possible that the mineralization represents the distal antimony-mercury zone in a gold-quartz vein model. In either case, exploration needs to target the gold bearing part of the system.

The source of the 13.9 g/t gold in till anomaly from the shaft and the main zone till anomaly appears to be under Spice Lake and up ice to the east under a thick layer of glacial till. This is the logical location based on ice direction and glacial processes. The ice would have scoured the recessive mineralized zone and deposited it down ice to the west-northwest. The angular boulders in the basal till in the shaft suggest a proximal source for mineralization.

Other previously identified anomalies remain untested on the property including two reconnaissance gold in till anomalies of 38.5 and 27.9 ppb Au, identified in 2004 peripheral to the listwanite zone south of the grid area. A 28.5 ppb Au in till anomaly from the government sampling in 2002 north of the grid area also remains untested *(Figure 5)*.

14.0 RECOMMENDATIONS

Drilling was successful in outlining favourable stratigraphy, alteration, anomalous pathfinder anomalies and elevated gold.

Lake sediment sampling may be useful to evaluate the source of the 13.9 g/t gold in till from the shaft and the main zone till anomaly, which appears to be under Spice Lake. Auger till/MMI soil sampling would be useful east of Spice Lake to evaluate the area up ice from the till anomalies, which is covered by thick overburden. Only one 225m soil line, with no significant anomalies, was undertaken in this area. Other anomalous gold and pathfinder elements in soil and till samples outside of the main zone should be followed up with additional soil sampling, utilizing basal till sampling in more prospective (thinner till covered) areas.

Other prospective areas for soil/till geochemistry include to the north and south of the grid area and should include gold in till anomalous zones identified in 2004 peripheral to the listwanite zone south of the grid area. Additional sampling is warranted in these areas and up ice.

Ultimately a 1,000m drill program is proposed on the Spice Project targeting under the lake, directly up ice from the main zone till anomaly. Drilling should utilize HQ wireline equipment and a 5 foot coring system to facilitate high core recovery, due to the till cover and significant recovery problems encountered in 2007.

15.0 REFERENCES

Ash, Chris and Alldrick, D. 1996. Au-quartz veins, in Selected British Columbia Mineral Deposit Profiles, Volume 2 - Metallic Deposits, Lefebure, D.V. and Hõy, T, Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, pages 53-56.

Bond, J.D. 2001. Surficial geology and till geochemistry of Weasel Lake map area (105G/13), east-central Yukon. In: Yukon Exploration and Geology 2000, Emond, D.S. and Weston L.H. (eds.). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, pp.73-86.

2000. Surficial geology and till geochemistry of Weasel Lake (105G/13), central Yukon (1:50 000 scale). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 2000-9.

Bond, J.D. and Plouffe, A., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon), Part 2: Quaternary geology and till geochemistry. In Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 209-228 plus 10 foldout maps.

Carrell, W., 2004. Synopsis of Spice property till sampling. Report for Tanana Exploration Inc.

Casselman, S.C. 2004. Total magnetic field survey on the Spice property, Ross River area, Yukon Territory. Report by Aurora Geosciences Limited for Klondike Star Mineral Corporation.

Christie, A.B., Duke, J.L. and Rushton, R., Grew Creek epithermal gold-silver deposit, Tintina Trench, Yukon, In: Yukon Geology, Vol. 3; Exploration and Geological Services Division, Yukon Region, Indian and Northern affairs Canada, p.223-259.

Deklerk, R. and Traynor, S. (compilers), 2005. Yukon MINFILE 2005 - A database of mineral occurrences. Yukon Geological Survey, CD-ROM.

Gangloff, Roland., May, Kevin C., and Storer, John E., 2004. An Early Late Cretaceous dinosaur tracksite in central Yukon Territory, Canada. Ichnos, 11: p. 299-309.

Gordey, S.P. and Makepeace, A.J., (compilers), 2003. Yukon Digital Geology, version 2.0; Geological Survey of Canada Open File 1749 and Yukon Geological Survey Open File 2003-9(D).

Hildes, D., 2004. Induced polarization and VLF survey at the Spice property, Ross River area, Yukon Territory. Report by Aurora Geosciences Limited for Klondike Star Mineral Corporation.

Hõy, Trygve, 1995. Besshi massive sulphide Zn-Cu-Pb; and Cyprus massive sulphide Cu (Zn), in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallics and Coal, Lefebure, D.V. and Ray, G.E., Editors, British Columbia Ministry of Energy of Employment and Investment, Open File 1995-20, p. 49-52.

Long, D.G.F., Lowey, G.W. and Sweet, A.R., 2001. Age and setting of dinosaur trackways, Ross River area, Yukon Territory (105F/15). In: Yukon Exploration and Geology 2000, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, INAC, p. 181-198.

Murphy, D.C., Colpron, M., Gordey, S.P., Roots, C.F., Abbott, J.G. and Lipovsky, P.S. 2001. Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105G), Yukon Territory (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern affairs Canada, Open file 2001-33.

Murphy, D.C., Colpron, M., Roots, C.F., Gordey, S.P. and Abbott, J.G., 2002. Finlayson Lake targeted geoscience initiative (southeastern Yukon), Part 1: bedrock geology. In: Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189-207.

Murphy, D.C., Mortenson, J.K., Piercey, S.J., Orchard, M.J. and Gehrels, G.E., 2006. Mid-Paleozoic to early Mesozoic tectonostratigraphic evolution of Yukon-Tanana and Slide Mountain terranes and affiliated overlap assemblages, Finlayson Lake massive sulphide district, southeastern Yukon. In: Paleozoic evolution and metallogeny of pericratonic terranes at the ancient Pacific margin of North America, Canadian and Alaskan Cordillera, M. Colpron, and J.L. Nelson (eds.), Geological Association of Canada Special Paper 45, p. 75-105.

Panteleyev, A., 1996a. Epithermal Au-Ag: low sulphidation. In Selected British Columbia Mineral Deposit Profiles, Volume 2 - Metallic Deposits, Lefebure, D.V. and Hõy, T, Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, pages 41-44.

1996b. Hot-spring Au-Ag. In Selected British Columbia Mineral Deposit Profiles, Volume 2 - Metallic Deposits, Lefebure, D.V. and Hõy,T., Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, p. 33-36.

Pautler, J.M., 2007. Geological and geochemical report on the Spice Project. 2006 assessment report for Klondike Star Mineral Corporation.

Plouffe, A. and Bond, J.D., 2003. Till geochemistry of the Finlayson Lake (105G), Glenlyon (105L) and east Carmacks (115I) map areas, Yukon Territory, Geological Survey of Canada, Open File 4479, Yukon Geological Survey Open File 2003-10(D), 1 CD-ROM.

Schroeter, Tom and Poulsen, Howard. 1996. Carbonate-hosted disseminated Au-Ag. In Selected British Columbia Mineral Deposit Profiles, Volume 2 - Metallic Deposits, Lefebure, D.V. and Hõy, T, Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, pages 9-12.

Traynor, S., 2002. Evaluation report on the Spice property. Assessment Report #094271 for Tanana Exploration Inc.

Wengzynowski, W.A., 2002. Assessment report describing geological mapping, prospecting, soil geochemistry and hand trenching on the Spice property. Report by ATAC Resources Ltd. Assessment Report #094342.

16.0 CERTIFICATE, DATE AND SIGNATURE

1) I, Jean Marie Pautler of 103-108 Elliott Street, Whitehorse, Yukon Territory am self-employed as a consultant geologist, authored and am responsible for this report entitled “Diamond drill report on the Spice Project”.

2) I am a graduate of Laurentian University, Sudbury, Ontario with an Honours B.Sc. degree in geology (May, 1980) with more than 25 years mineral exploration experience in the North American Cordillera.

3) I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC Reg. No. 19804).

4) I supervised the 2007 diamond drill program on the Spice property between May 1 and June 1, 2007.

5) I have no direct or indirect interest in the Spice property, which is the subject of this report.

Dated at Whitehorse, Yukon Territory this 30th day of December, 2007,
“Signed and Sealed”

Jean Pautler, P.Geo.
JP Exploration Services Inc.
#103-108 Elliott St.
Whitehorse, Yukon Y1A 6C4

APPENDIX I: Statement of Claims

Grant No.	Claim Name	No.	Claim Owner	Record Date	Old Expiry	NTS	$ Spent	Yrs.	New Expiry
YB93156	SPICE	1	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13	135,000	4	3/7/2024
YB93157	SPICE	2	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93158	SPICE	3	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13	100,000	4	3/7/2024
YB93159	SPICE	4	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93160	SPICE	5	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93161	SPICE	6	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93162	SPICE	7	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93163	SPICE	8	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93164	SPICE	9	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93165	SPICE	10	I. Elash-33.33%, Tanana-66.67%.	3/7/2001	3/7/2020	105G13		4	3/7/2024
YB93615	SPICE	11	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93616	SPICE	12	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93617	SPICE	13	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93618	SPICE	14	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93619	SPICE	19	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93620	SPICE	20	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93621	SPICE	21	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93622	SPICE	22	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93623	SPICE	23	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93624	SPICE	24	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93625	SPICE	25	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93626	SPICE	26	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93627	SPICE	27	I. Elash-33.33%, Tanana-66.67%.	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93628	SPICE	28	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93629	SPICE	29	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13	1,500	4	2/22/2021
YB93630	SPICE	30	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93631	SPICE	31	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13	1,500	4	2/22/2021
YB93632	SPICE	32	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13		4	2/22/2021
YB93633	SPICE	33	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13	500	4	2/22/2021
YB93634	SPICE	34	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105G13	1,500	4	2/22/2021
YB93635	SPICE	35	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105J04		4	2/22/2021
YB93636	SPICE	36	I. Elash-33.33%, Tanana-66.67%	2/22/2002	2/22/2017	105J04		4	2/22/2021

I. Elash - Ivan Elash: Tanana - Tanana Exploration Inc.

Grant No.	Claim Name	No.	Claim Owner	Record Date	Old Expiry	NTS	$ Spent	Yrs.	New Expiry
YC31414	SPY	1	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31415	SPY	2	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31416	SPY	3	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31417	SPY	4	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31418	SPY	5	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31419	SPY	6	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31420	SPY	7	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31421	SPY	8	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31422	SPY	9	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31423	SPY	10	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31424	SPY	11	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31425	SPY	12	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31426	SPY	13	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105J04		4	5/1/2016
YC31427	SPY	14	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105J04		4	5/1/2016
YC31428	SPY	19	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31429	SPY	20	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31430	SPY	21	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31431	SPY	22	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31432	JF BEAR		I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
YC31433	SPY	24	I. Elash-33.33%, Tanana-66.67%.	5/1/2006	5/1/2012	105G13		4	5/1/2016
TOTAL		**52**					**240,000**	**208**	

I. Elash - Ivan Elash: Tanana - Tanana Exploration Inc.

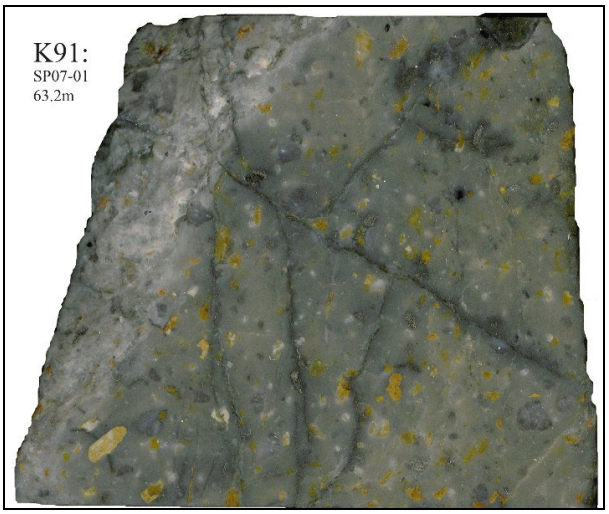
APPENDIX II: Petrography

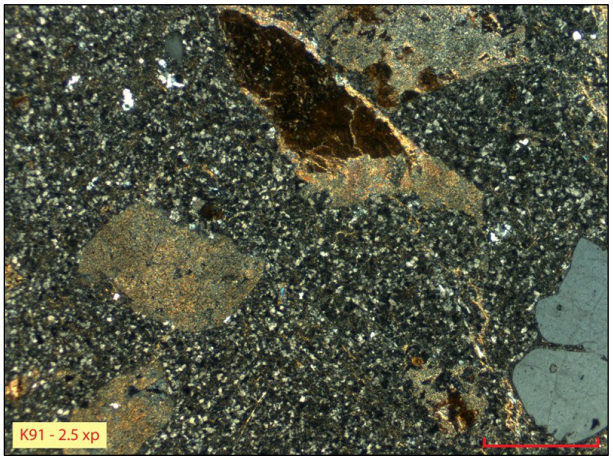
SPICE CLAIMS: PETROGRAPHY OF DRILL CORE SPECIMENS BRIEF NOTES

T. Liverton, November 6, 2007

K91 SP 07-01, 63.2m Dacitic lava

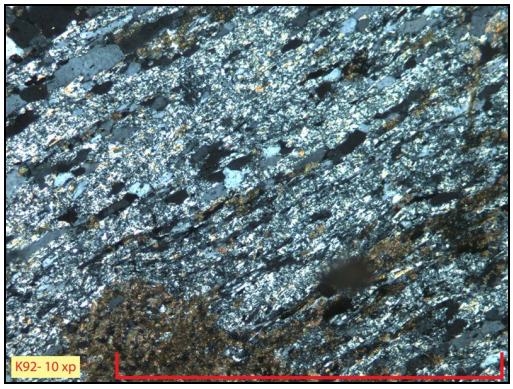
Has coarse (to 4mm) quartz phenocrysts that are embayed (i.e. resorbed), some being subhedral: possibly xenocrysts, with subhedral feldspars to 2mm. Some of these are recognizably orthoclase and plagioclase, but most are heavily clay/sericite altered. The groundmass is fine-grained (<0.06mm) feldspar and quartz (devitrified glass).





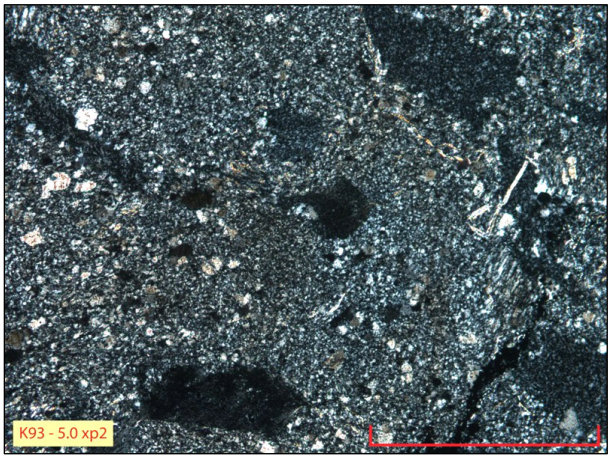
K92 SP 07-01, 72.9m Flow-banded rhyolite

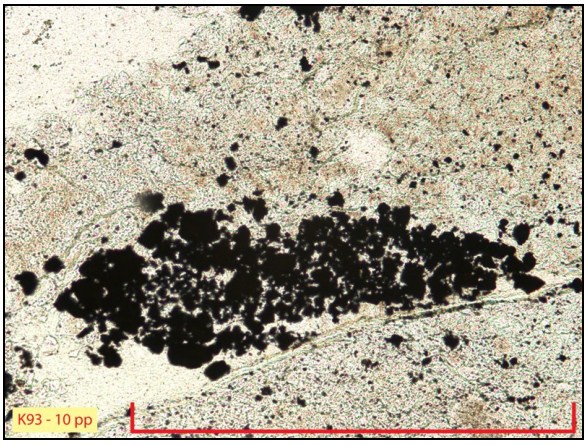
Shows a strong foliation: layers 0.02-0.04mm thick of polygonized quartz alternating with heavily sericitized feldspar. Irregular shaped masses of brown carbonate with some chlorite completely replace part of the original texture, also especially along fractures. Some carbonate forms 0.6mm long subhedral crystals. Amorphous to subhedral rutile is concentrated along fractures and the layering.

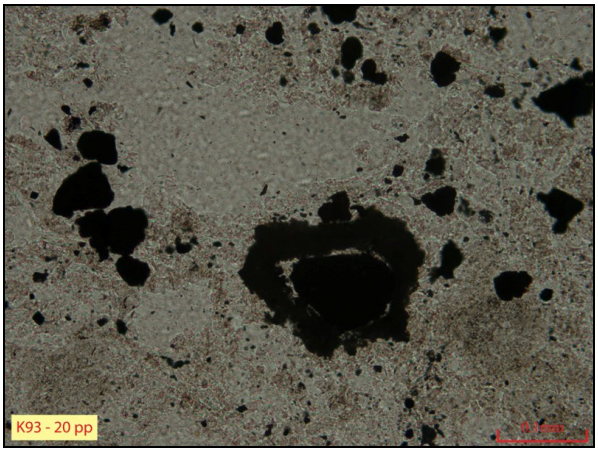


K93 SP 07-01, 90.6m Ash flow tuff ?

Shows arcuate chlorite masses to 2.5mm long that are interpreted to be shards in a groundmass of <0.1mm feldspar, chlorite and carbonate. Opaques (probably ilmenite) are in clusters of <0.1mm grains.

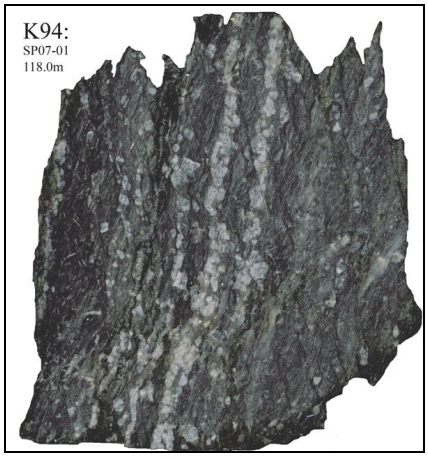


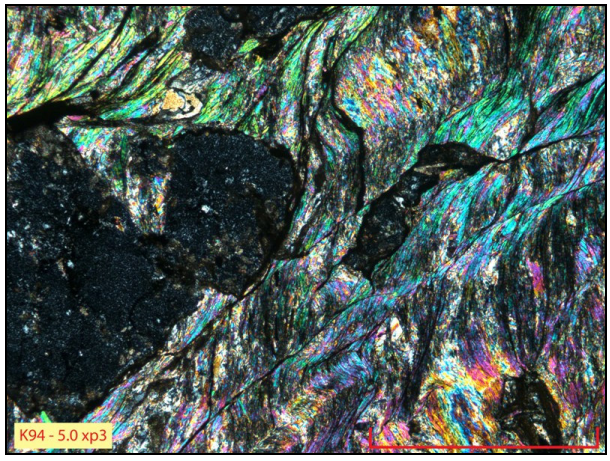




K94 SP 07-01, 118.0m Sheared, talc-altered ultramafic

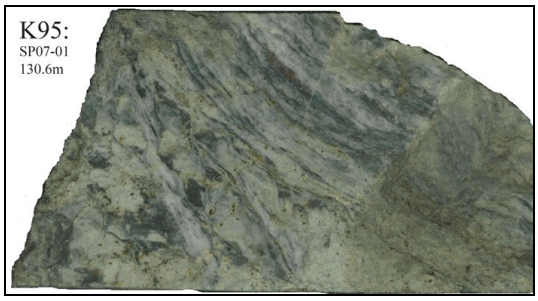
Has 2mm anhedral to subhedral carbonate altered relict phenocrysts in a talc matrix that is highly foliated and which shows anastomosing shear fabric.

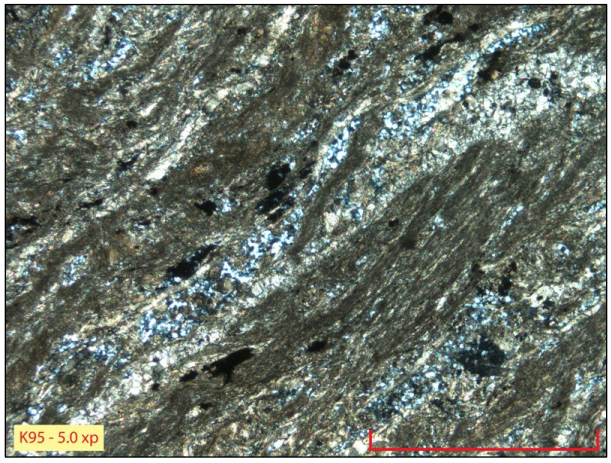




K95 SP 07-01, 130.6m Carbonate-quartz rock

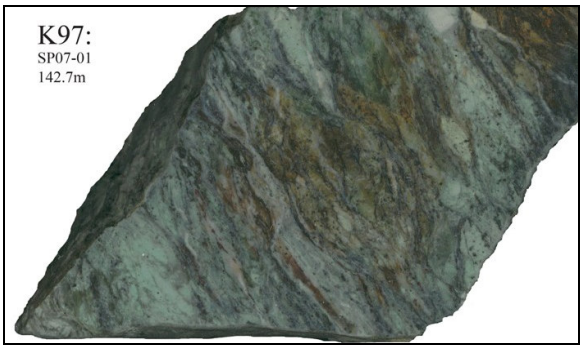
Wavy-layered brown carbonate with occasional layers of quartz (chalcedony?) 0.2mm thick and ≈10% irregular shaped masses of Fe- or Mn-oxides.

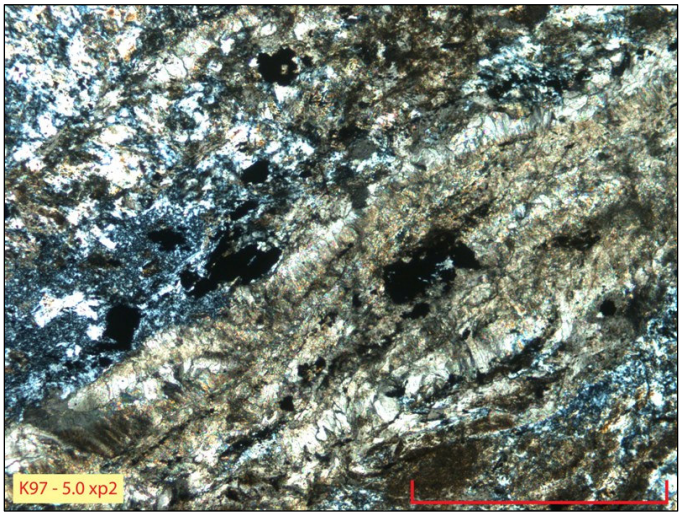




K97 SP 07-01, 142.7m Serpentinite: heavily carbonate altered

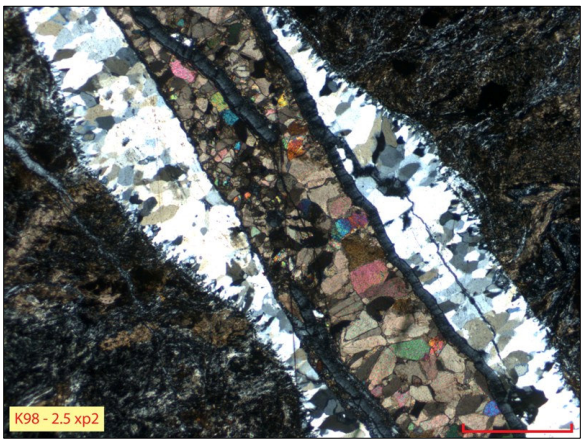
Foliated serpentine containing anhedral opaques to 0.8mm. Shows some remnant S-C fabric. Replaced by 60% brown carbonate, some of which is in veins.





K98 SP 07-01, 144.0m Chalcedony-carbonate altered serpentinite

Foliated, sheared serpentine with anhedral masses of opaques to 0.8mm. Has both foliation parallel and sharply discordant veins of chalcedony with carbonate cores. (Especially note the scan of the rock slab).

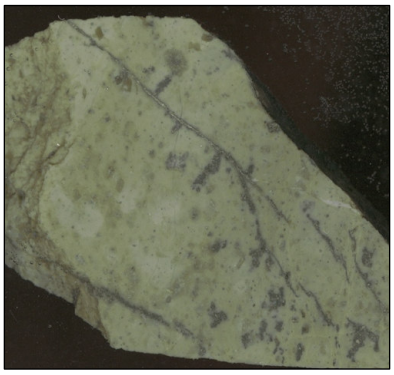


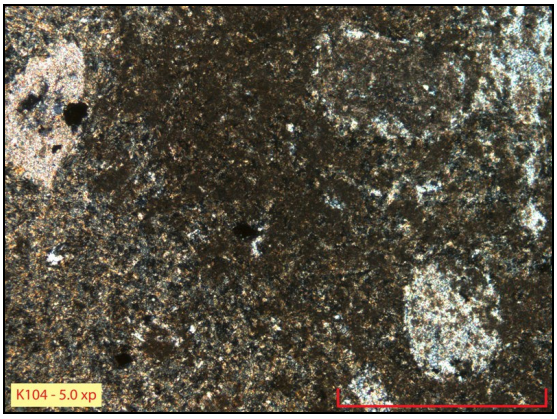
K100 SP 07-02, 139.8m Altered ultramafic

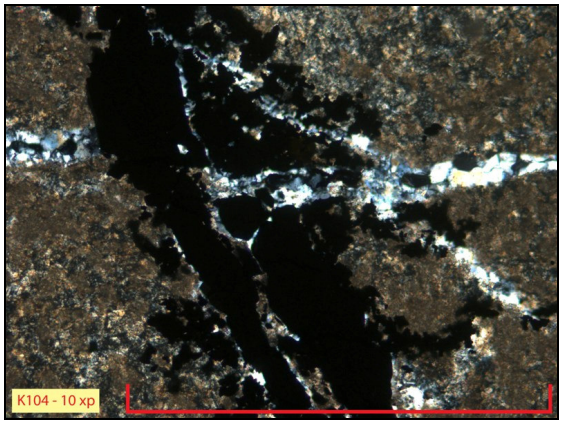
Has recognizable fractured, anhedral pyroxenes in a brown carbonate-Fe oxide matrix (60% matrix).

K104 SP 07-02, 123.0m Devitrified altered volcanic

Shows euhedral 1mm feldspars varying from reasonably fresh to highly carbonate altered. These contain anhedral opaque inclusions (10%). The groundmass is skeletal opaques and (?) fine feldspars to 0.02mm long. Veins, 0.5mm wide are filled with pyrite cubes ≤0.2mm. Some smaller chalcedony veins are displaced by the pyrite-bearing structures.

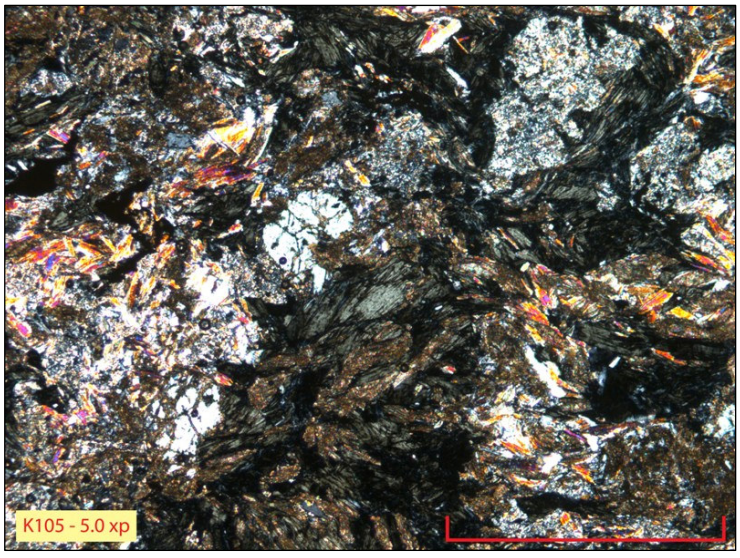






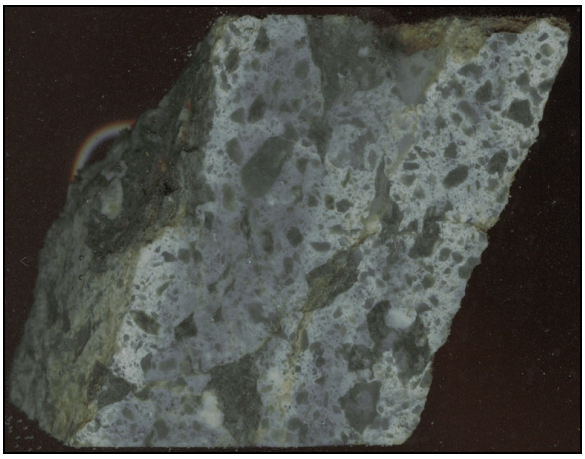
K105 SP 07-02, 143.0m Talc altered ultramafic

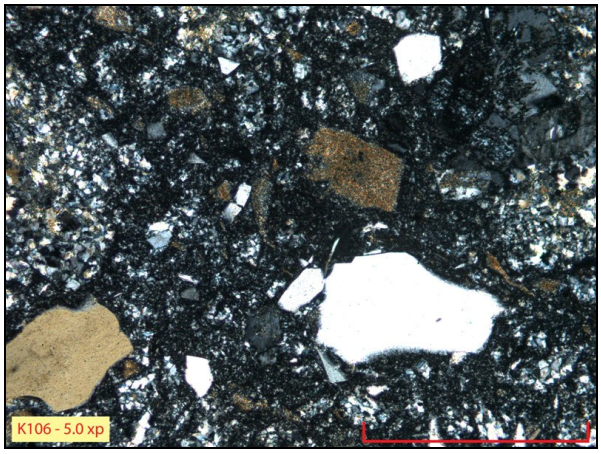
Has some relict phenocrysts as 1mm anhedral and fractured forms (first order interference colours may indicate some of these to be feldspar, but the section is thin) in a matrix of talc and chlorite. The chlorite defines a weak foliation.



K106 SP 07-03, 22.1m Sandstone or tuff

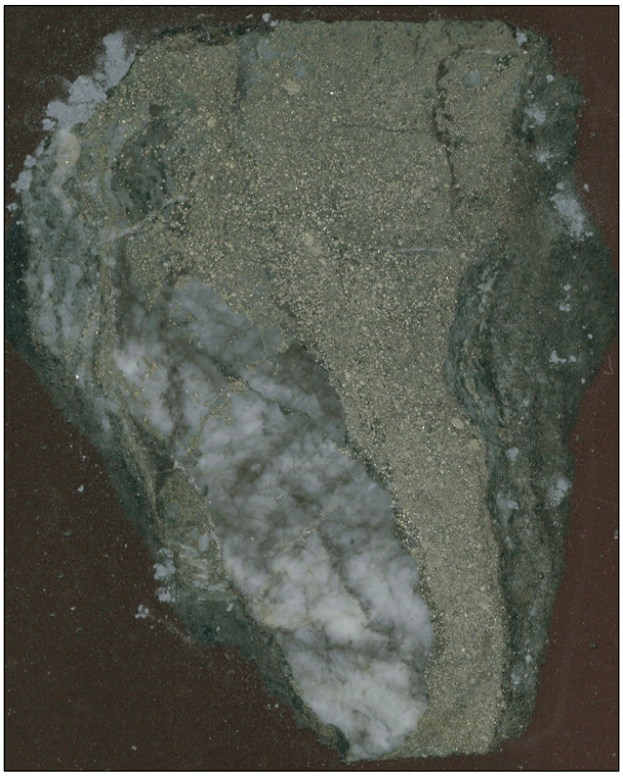
Contains angular grains of quartz to 1.5mm, anhedral feldspars to 0.5mm in a chlorite-sericite rich matrix of finer feldspar and quartz.

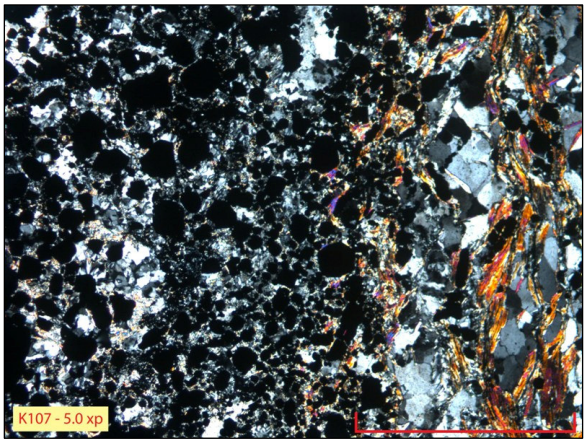


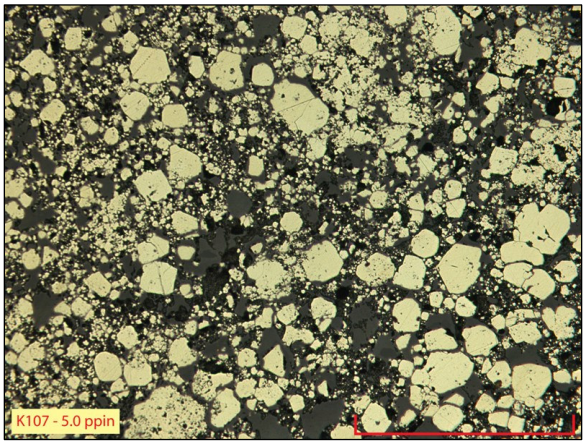


K107 SP 07-03, 51.9m PTS Quartz-pyrite vein

The part of the quartz vein contained in the section is 9-10mm wide. It has a selvedge of 6mm of euhedral pyrite crystals (0.15mm) in (?) chalcedony (80% pyrite), followed by foliated quartz-muscovite with 20% pyrite. No other sulphides were noted.

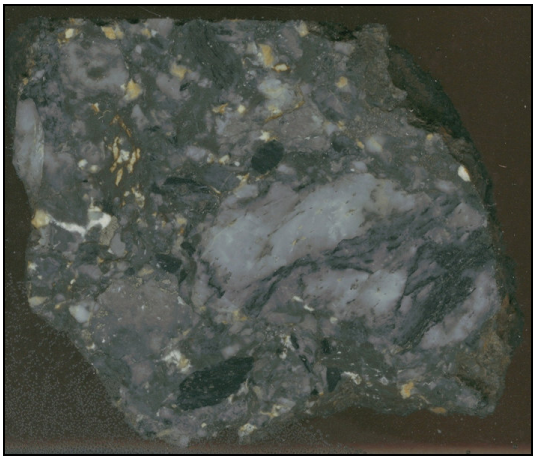


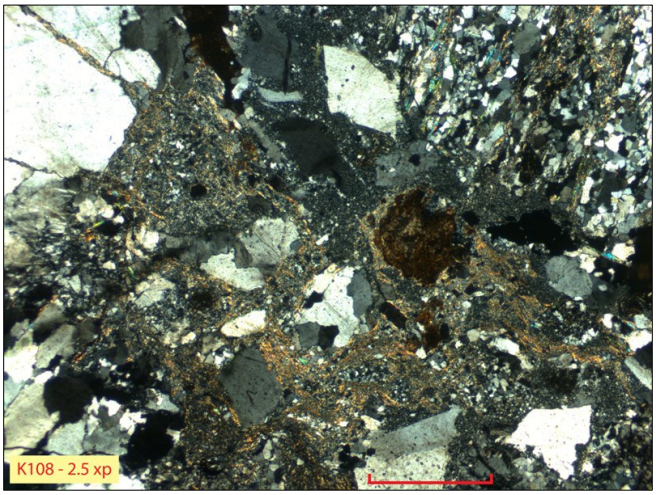




K108 SP 07-03, 66.8m LTS Conglomerate

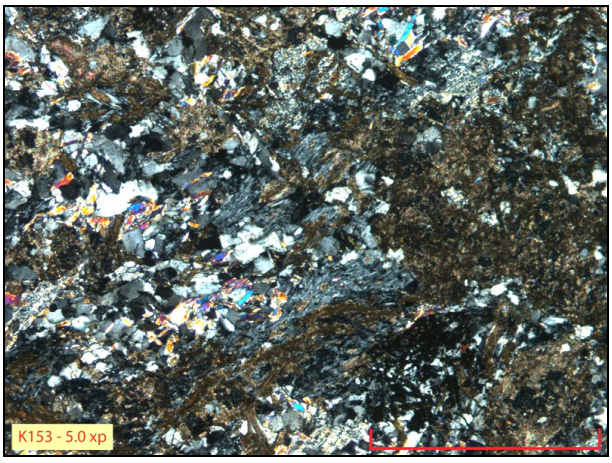
Contains clasts up to 25mm long, the largest of which is vein quartz. Quartz predominates and quartz muscovite schist clasts are the next frequent lithology. Most are quite angular. One angular 4mm clast of (?) obsidian was noted. The conglomerate is matrix-supported with quartz grains ≈0.02mm in clay. Opaques (<0.01mm) form up to 10% of the matrix. Most are Fe oxides with some rutile, but some clusters of coarser opaques (0.03-0.25mm) have obvious cube shape (i.e., are pyrite). Rare euhedral rutile crystals are to 0.1mm long. A few masses of brown carbonate to 1mm across are seen in the matrix.

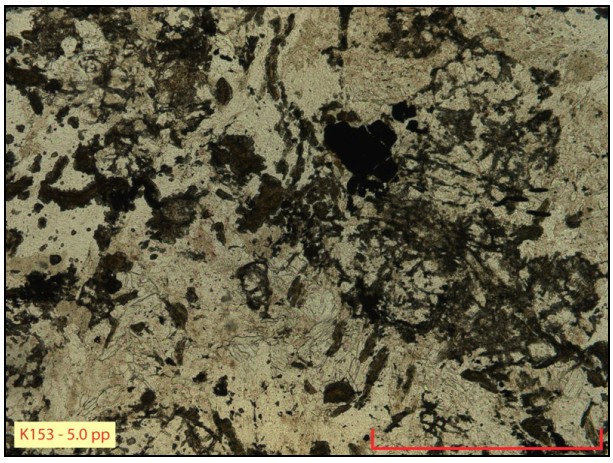




K153 SP 07-02, 133.2m Quartz-carbonate altered serpentinite?

This is a mass of anhedral quartz (0.2mm), skeletal carbonate (25%), serpentine (15%) and occasional muscovite with a few pyrite cubes.





APPENDIX III

Geochemical Procedure and Results

Analytical Procedure - Assessment Report

GEOCHEMICAL GOLD ANALYSIS

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10/15/30 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

ANALYTICAL METHOD FOR GOLD ASSAY

Samples are sorted and dried (if necessary). The samples are crushed through a jaw crusher and cone or roll crusher to -10 mesh. The sample is split through a Jones riffle until a -250 gram subsample is achieved. The subsample is pulverized in a ring & puck pulverizer to 95% - 140 mesh. The sample is rolled to homogenize.

A 1/2 or 1.0 A.T. sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer AA instrument.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

K:methods/methauas
K:Methods/geoauana

Analytical Procedure Assessment Report

MULTI ELEMENT ICP ANALYSIS

Samples are catalogued and dried. Soil samples are screened to obtain a -80 mesh sample. Samples unable to produce adequate -80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and pulverized on a ring mill pulverizer to minus 140 mesh, rolled and homogenized.

A 0.5 gram sample is digested with aqua regia which contains beryllium which acts as an internal standard. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

BASE METAL ASSAYS (Ag,Cu,Pb,Zn)

Samples are catalogued and dried. Rock samples are 2 stage crushed followed by pulverizing a 250 gram subsample. The subsample is rolled and homogenized and bagged in a prenumbered bag.

A suitable sample weight is digested with aqua regia. The sample is allowed to cool, bulked up to a suitable volume and analyzed by an atomic absorption instrument, to .01 % detection limit.

Appropriate certified reference materials accompany the samples through the process providing accurate quality control.

Result data is entered along with standards and repeat values and are faxed and/or mailed to the client.

Acme Analytical Laboratories Ltd.
GEOCHEMICAL PROCEDURES

SAMPLE PREPARATION

SOIL, SEDIMENT AND VEGETATION SAMPLES
SS80 Dry at 60°C, sieve (up to) 100 g to -80 mesh

ROCK AND DRILL CORE
R150 Crush **1 kg** to 70% passing 10 mesh, split 250 g and pulverize to 95% passing 150 mesh

GROUP 1DX: ICP & ICP-MS ANALYSIS – AQUA REGIA

Sample splits of 15g are leached in hot (95°C) Aqua Regia. A larger split size (30g) is used for more representative Au analysis. Refractory and graphitic samples can limit Au solubility. Solubility of some elements* will be limited by mineral species present. A total of 36 elements are assayed in the ICP-MS analysis as follows: Al, Sb, As, Ba, Bi, B, Cd, Ca, Cr, Co, Cu, Ga, Au, Fe, La, Pb, Mg, Mn, Hg, Mo, Na, Ni, P, Ag, K, Sc, Sr, S, Tl, Th, Ti, Sn, W, U, V and Zn.

* Al, B, Ba, Ca, Cr, Fe, Ga, Hg‡ K, La, Mg, Mn, Na, Sr, Th, Ti, Tl‡ U, V, W,

Appropriate standards and repeat samples (Quality Control components) accompany the samples on the data sheet.

23-Jul-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP MS CERTIFICATE OF ANALYSIS AW 2007-7013

Klondike Star
Box 20116, 1031 Ten Mile Rd
Whitehorse, YT
Y1A 7A2
Attention: Bill Mann

No. of samples received: 106
Sample Type: Core / Rock
Submitted by: Jean Pautter
Project: Spice

Values in ppm unless otherwise reported

		Fire Assay																																		
		Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Et #.	Tag #	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1	23801	15	<0.2	0.17	7.3	211.1	0.05	0.20	0.78	2.3	346.9	14.64	0.63	0.5	122	0.09	0.9	0.07	84	1.18	0.019	12.0	196.6	31.85	0.08	1.29	0.4	0.7	12.4	0.02	0.5	0.001	0.06	0.2	8	0.1	138.9
2	23802	15	<0.2	0.05	11.4	96.0	<0.02	6.68	0.09	33.7	382.2	7.23	2.17	1.2	835	0.02	0.4	5.47	392	0.69	0.024	1144.0	27.4	2.83	0.12	3.53	4.7	0.3	236.9	0.06	0.3	<0.001	0.13	0.3	14	0.1	14.0
3	23803	55	<0.2	0.28	33.8	273.3	0.40	0.04	0.10	1.4	233.7	12.11	0.64	1.5	4474	0.11	14.3	0.05	53	1.50	0.020	11.7	85.9	15.01	0.14	16.51	0.7	1.0	18.1	0.02	5.1	0.001	0.22	0.8	4	0.2	15.7
4	23805	120	<0.2	0.25	63.1	115.0	4.54	0.03	0.10	1.8	248.0	9.77	0.64	2.2	9674	0.05	38.1	0.02	30	1.65	0.022	18.9	413.9	32.19	0.37	36.50	0.6	1.7	62.5	0.03	10.2	0.002	0.22	1.1	3	0.3	10.1
5	23806	10	<0.2	0.62	88.3	200.4	0.24	0.04	0.43	14.2	138.0	61.33	2.39	2.3	5709	0.32	6.0	0.17	259	1.30	0.027	65.6	285.9	17.20	0.32	44.73	5.1	0.9	46.9	0.07	3.8	0.001	0.48	1.2	22	0.1	97.8
6	23807	40	13.2	0.49	129.4	22.6	0.11	0.02	0.31	4.2	147.1	56.35	1.58	1.8	8168	0.13	11.1	0.04	118	6.04	0.024	23.4	100.3	25.63	1.31	32.49	1.5	0.7	22.1	0.02	5.1	<0.001	1.17	1.4	6	37.8	46.1
7	23808	20	<0.2	0.54	155.8	37.2	0.25	0.03	1.65	1.4	57.8	32.21	0.95	5.3	9403	0.31	19.6	0.02	27	2.83	0.025	6.2	125.1	41.53	1.01	44.19	2.1	0.7	9.3	<0.02	8.4	<0.001	2.24	2.1	6	0.7	34.8
8	23809	75	<0.2	0.38	121.7	19.1	0.15	0.03	0.18	4.8	112.6	6.21	1.56	2.1	14120	0.13	22.6	0.02	32	4.09	0.020	17.2	171.6	42.90	1.81	>2000	1.0	0.8	26.8	0.02	8.3	<0.001	1.86	1.4	3	0.5	36.5
9	23810	150	<0.2	0.64	170.1	12.3	0.38	0.01	0.38	3.5	48.0	12.29	2.03	1.5	25630	0.04	4.3	<0.01	9	1.62	0.022	14.5	67.5	50.39	2.31	139.70	1.3	0.4	42.0	0.02	2.8	0.001	1.98	1.5	5	0.1	53.8
10	23811	30	<0.2	0.50	86.9	13.4	0.16	0.03	0.12	5.9	59.9	8.84	1.94	2.6	6363	0.15	26.5	0.03	44	2.57	0.020	23.5	165.5	30.30	2.18	47.91	1.3	0.8	52.2	0.03	10.1	<0.001	0.95	1.8	3	0.1	60.7
11	23812	20	<0.2	0.44	54.8	18.5	0.20	0.23	0.10	4.8	73.6	7.57	1.68	3.2	6222	0.21	37.5	0.09	324	1.43	0.020	15.3	186.5	27.77	1.68	101.10	1.3	1.1	35.0	0.03	13.6	<0.001	0.48	2.2	3	0.6	60.6
12	23813	25	<0.2	0.38	40.5	32.3	0.19	0.41	0.05	3.6	116.0	4.02	1.31	2.8	3990	0.20	36.8	0.16	690	1.44	0.019	7.6	239.2	23.51	1.02	19.32	1.1	1.1	24.7	0.03	13.4	<0.001	0.32	1.6	2	0.3	40.9
13	23814	25	<0.2	0.38	56.2	15.5	0.18	0.38	0.11	5.2	72.4	6.44	1.85	2.8	3631	0.19	36.6	0.14	535	1.15	0.019	14.6	269.5	30.23	1.92	21.81	1.3	1.0	34.7	0.05	13.0	<0.001	0.44	1.9	3	0.2	44.0
14	23815	55	>30	0.31	38.8	24.6	0.14	0.32	0.17	5.0	134.8	>10000	1.11	1.9	4292	0.15	20.8	0.07	243	12.51	0.021	798.6	146.8	19.28	1.14	13.14	1.2	0.7	31.3	0.02	6.7	<0.001	0.69	1.1	2	34.1	54.4
15	23816	20	<0.2	0.29	32.6	31.6	0.17	0.17	0.33	6.9	212.3	37.80	1.20	1.7	3679	0.18	14.5	0.07	214	2.98	0.025	22.8	228.8	12.16	1.09	21.75	1.1	1.8	13.1	0.08	5.0	0.001	0.28	1.3	9	1.2	58.9
16	23817	30	<0.2	0.29	62.2	23.3	0.16	0.55	0.26	5.2	132.4	24.71	1.62	2.1	3143	0.17	24.6	0.22	714	1.63	0.022	16.2	264.5	17.80	1.48	20.14	1.2	1.4	32.2	0.05	9.0	<0.001	0.31	1.7	4	4.9	52.8
17	23818	15	<0.2	0.34	38.5	36.7	0.20	0.63	0.38	5.0	75.5	18.87	1.22	1.6	3798	0.21	11.9	0.19	662	2.09	0.021	18.3	260.4	13.18	0.83	20.16	2.2	1.4	24.3	0.04	4.4	<0.001	0.35	1.4	4	0.2	72.2
18	23819	10	<0.2	0.36	23.0	57.4	0.06	0.13	0.14	2.6	138.7	5.84	0.91	2.5	3289	0.20	28.2	0.07	232	1.24	0.023	8.5	138.9	26.93	0.77	9.29	0.8	1.0	12.1	0.02	14.7	<0.001	0.20	2.6	2	0.2	49.6
19	23820	30	<0.2	0.32	20.6	26.8	0.30	0.04	0.12	1.5	138.3	4.73	1.16	3.0	2270	0.21	36.8	0.03	65	1.28	0.020	4.1	112.1	33.90	1.16	7.89	0.5	1.2	6.6	<0.02	16.0	<0.001	0.22	2.4	<2	0.1	31.7
20	23822	20	<0.2	0.31	16.2	63.2	0.29	0.04	0.09	1.5	166.4	4.42	0.79	3.0	2466	0.22	39.8	0.03	51	1.27	0.029	4.5	132.0	33.71	0.69	6.96	0.4	1.2	6.7	<0.02	18.2	<0.001	0.19	2.4	<2	0.1	25.4
21	23823	35	<0.2	0.27	28.8	21.1	0.30	0.03	0.07	1.3	136.8	4.01	1.27	2.6	2314	0.17	32.9	0.03	105	1.15	0.022	5.5	97.7	28.69	1.32	7.44	0.5	1.1	5.7	0.02	15.9	0.001	0.15	2.4	<2	0.1	13.3
22	23824	15	<0.2	0.33	15.7	43.7	0.38	0.44	0.11	3.1	86.5	5.06	0.97	3.2	1169	0.20	41.8	0.24	406	1.08	0.021	12.6	144.0	29.81	0.93	6.19	0.9	1.3	18.4	0.04	17.1	<0.001	0.15	3.2	2	0.1	40.1
23	23825	30	<0.2	0.31	64.8	13.2	0.16	0.24	0.49	8.7	119.3	28.91	2.06	1.7	5980	0.17	13.7	0.08	243	3.19	0.020	37.5	480.2	21.27	2.11	31.82	1.4	1.9	22.8	0.06	5.2	<0.001	0.35	2.8	6	0.1	112.7
24	23826	10	<0.2	0.33	79.9	17.6	0.36	0.72	0.09	6.5	52.5	4.90	1.95	3.0	1101	0.20	47.5	0.38	632	0.95	0.024	19.6	76.5	33.56	2.01	8.83	1.6	1.1	28.9	0.04	14.9	<0.001	0.28	2.2	2	0.2	37.7
25	23827	15	<0.2	0.38	55.8	33.2	0.24	0.94	0.13	12.7	105.1	7.12	1.42	2.4	1373	0.23	29.5	0.44	745	1.96	0.025	83.9	332.7	23.75	1.24	17.00	3.1	1.0	55.2	<0.02	8.7	<0.001	0.24	2.0	5	0.1	80.8
26	23828	400	<0.2	0.31	4.1	36.3	2.30	0.24	0.01	0.4	3.3	2.94	0.41	1.3	10	0.07	1.3	0.08	31	0.21	0.140	1.2	310.0	18.49	0.02	0.64	0.7	0.1	8.0	<0.02	2.6	0.001	0.19	1.1	3	0.1	6.6
27	23829	5	<0.2	1.03	3.6	245.6	0.07	0.69	0.02	4.8	151.5	3.22	1.95	5.8	<5	0.50	11.3	0.64	588	0.40	0.134	6.3	749.3	14.94	0.03	0.09	2.7	0.3	68.4	0.02	5.0	0.134	0.37	3.1	45	0.1	54.0
28	23830	25	<0.2	0.37	35.8	26.6	1.83	0.59	0.14	7.9	84.9	8.07	1.48	2.6	2131	0.24	29.1	0.27	557	0.70	0.021	49.0	400.0	21.00	1.45	8.52	1.9	1.0	33.0	0.04	8.9	0.001	0.24	1.6	4	0.5	64.7
29	23831	20	<0.2	0.36	27.6	22.8	0.25	0.38	0.09	4.1	86.4	10.47	1.47	1.9	1210	0.22	18.1	0.18	363	1.25	0.021	13.1	224.0	22.63	1.44	8.48	1.5	1.1	26.0	0.02	7.6	0.001	0.22	1.9	3	0.2	19.0
30	23832	10	<0.2	0.34	26.9	23.8	0.31	0.44	0.16	6.3	111.4	13.93	1.22	2.2	1710	0.20	23.2	0.20	290	1.80	0.023	21.0	240.9	23.89	1.14	9.16	1.1	1.4	18.7	0.04	9.1	0.001	0.15	2.6	4	0.2	26.3
31	23833	10	<0.2	0.36	15.0	44.9	0.33	0.26	0.04	2.4	117.4	4.90	0.99	2.6	1558	0.20	31.2	0.13	178	1.23	0.021	6.5	140.9	27.87	0.93	5.22	0.8	1.1	19.5	0.03	13.6	<0.001	0.14	2.1	<2	0.1	11.7
32	23834	20	<0.2	0.33	21.6	30.7	0.18	0.20	0.10	2.3	129.2	5.35	1.27	2.4	2479	0.19	30.0	0.12	158	1.27	0.022	6.7	126.5	28.77	1.24	6.56	0.5	1.0	18.2	0.03	13.7	<0.001	0.13	2.0	<2	0.2	48.9
33	23835	10	<0.2	0.30	16.2	36.6	0.10	0.19	0.11	1.8	148.6	4.72	1.10	2.3	2084	0.18	27.7	0.10	148	1.36	0.023	5.5	99.9	26.26	1.04	4.78	0.4	0.9	13.8	0.02	14.6	<0.001	0.11	2.6	<2	0.1	68.1
34	23836	10	<0.2	0.33	23.1	24.3	0.21	0.42	0.15	5.1	120.7	16.27	1.86	2.1	1760	0.20	23.8	0.24	348	1.36	0.023	14.3	254.6	23.99	1.37	6.65	1.1	1.0	21.8	0.05	10.0	<0.001	0.14	1.5	4	0.1	55.1
35	23837	35	0.6	0.33	57.5	19.4	0.19	0.56	0.49	17.4	172.8	58.49	2.92	1.4	2112	0.18	8.0	0.40	682	2.86	0.026	70.2	611.4	13.39	1.66	12.24	3.4	2.0	28.2	0.06	2.8	0.001	0.22	1.1	21	0.5	96.0
36	23838	10	0.4	0.44	104.4	36.7	0.06	2.49	0.19	41.6	95.0	104.80	7.27	1.6	1703	0.21	1.6	1.95	2473	0.39	0.037	70.7	549.6	6.40	1.32	15.12	15.3	0.8	41.9	0.04	0.2	<0.001	0.23	0.2	87	0.1	145.5
37	23839	20	0.6	0.36	79.5	34.6	0.10	3.17	0.14	22.2	124.2	37.66	3.65	1.4	2088	0.18	5.2	1.66	1717	0.77	0.029	60.0	377.2	7.03	1.17	17.41	7.5	0.8	83.9	<0.02	2.6	<0.001	0.39	0.5	35	0.1	69.2
38	23840	50	0.2	0.52	112.0	44.3	0.04	3.49	0.11	43.7	78.3	69.23	7.43	1.9	3389	0.23	2.6	2.10	2629	0.22	0.032	60.0	779.5	5.64	1.25	22.46	19.1	0.7	60.8	<0.02	0.6	<0.001	0.61	0.2	88	0.1	95.9
39	23842	65	<0.2	0.54	110.7	48.2	0.02	2.84	0.09	51.4	86.5	69.03	7.49	2.2	6588	0.22	1.4	1.96	2162	0.15	0.027	58.4	709.0	4.40	0.94	40.29	22.9	0.5	71.2	0.02	0.1	0.001	0.89	0.2	122	0.1	102.5
40	23843	5	<0.2	0.68	23.1	233.2	0.01	3.41	0.08	45.9	107.8	43.05	8.06	3.0	6949	0.21	2.0	2.26	2118	0.11	0.024	60.6	830.6	2.35	0.24	40.34	28.4	0.4	82.6	0.04	0.2	0.001	0.25	1.0	190	0.1	125.4

ECO TECH LABORATORY LTD.																ICP MS CERTIFICATE OF ANALYSIS AW 2007-7013																Klondike Star						
		Fire Assay																																				
		Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Et #.	Tag #	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
41	23844	275	<0.2	0.50	60.5	54.8	0.11	4.23	0.24	35.8	116.3	105.40	6.29	2.2	6638	0.19	4.3	2.19	1909	0.56	0.029	64.3	663.4	7.58	0.93	61.07	17.6	0.7	72.7	0.08	1.4	0.001	0.21	0.7	102	0.1	96.1
42	23845	15	2.0	0.26	101.3	22.7	0.08	0.88	0.13	7.6	101.8	17.39	1.92	1.6	4469	0.14	14.7	0.42	949	1.03	0.020	18.2	169.5	22.24	1.10	18.24	2.8	0.9	67.0	0.04	8.6	<0.001	0.39	2.9	10	0.4	87.0
43	23846	5	<0.2	0.24	248.0	14.4	0.13	0.07	0.37	7.5	174.8	22.45	1.84	1.2	13850	0.12	6.5	0.02	72	2.25	0.022	37.1	195.7	15.21	1.84	68.69	1.0	1.3	18.2	0.04	3.0	<0.001	0.39	1.3	8	0.1	110.2
44	23847	<5	<0.2	0.17	30.8	46.8	0.13	0.01	0.09	4.4	236.2	12.65	0.63	0.9	20290	0.07	3.1	0.01	32	3.07	0.022	19.2	93.8	26.00	0.89	>2000	0.5	0.7	50.3	0.08	1.2	0.001	2.04	0.5	4	2.8	3.9
45	23848	<5	<0.2	0.25	33.1	91.3	0.15	0.01	0.06	4.1	253.7	7.62	0.65	1.1	26030	0.05	3.1	0.01	30	2.87	0.021	20.5	72.9	15.80	0.50	>2000	0.7	0.4	56.7	0.04	2.3	0.001	2.10	0.8	5	4.0	3.8
46	23849	<5	<0.2	0.34	57.6	45.3	0.16	0.03	0.31	3.6	206.8	8.92	0.61	1.1	36270	0.06	3.9	0.01	31	3.06	0.025	14.9	117.2	33.63	0.90	>2000	0.9	0.7	58.6	0.06	1.7	<0.001	2.41	0.9	4	2.7	26.0
47	23850	<5	<0.2	1.03	3.2	248.1	0.08	0.65	0.02	4.7	179.1	3.25	1.90	5.9	5	0.48	12.4	0.62	573	0.49	0.145	6.3	732.0	14.39	0.03	0.16	2.7	0.4	74.6	0.04	5.5	0.130	0.41	3.9	43	0.1	52.7
48	23851	5	<0.2	0.73	271.4	36.7	0.18	0.05	0.19	2.0	132.5	3.98	0.96	2.7	35530	0.15	7.2	0.13	58	2.62	0.032	5.9	16.3	35.43	0.93	99.13	1.8	0.5	4.0	<0.02	5.1	<0.001	3.45	1.2	2	0.2	121.6
49	23852	<5	<0.2	0.58	251.5	30.5	0.20	0.07	0.22	1.9	83.9	4.51	0.97	2.5	35430	0.13	8.4	0.13	60	2.69	0.030	5.4	16.4	33.25	0.97	45.77	2.3	0.6	5.4	<0.02	5.4	<0.001	3.38	1.3	2	0.3	163.6
50	23853	<5	3.6	0.41	233.0	16.3	0.29	0.17	0.54	2.6	117.9	22.20	1.53	1.7	45400	0.09	4.0	0.04	43	1.72	0.026	6.4	13.7	33.44	1.68	39.24	1.9	0.3	13.5	0.02	3.3	<0.001	2.73	1.1	<2	15.1	171.9
51	23854	15	<0.2	0.44	215.5	16.4	0.24	0.02	0.14	2.3	92.2	7.53	1.55	1.8	36550	0.03	5.8	0.01	18	1.12	0.021	11.0	27.0	32.76	1.67	67.22	1.1	0.3	29.7	0.02	2.4	<0.001	2.54	1.1	2	0.2	25.5
52	23855	405	<0.2	0.30	4.1	37.7	1.97	0.23	0.01	0.4	3.2	3.12	0.40	1.2	10	0.07	1.2	0.08	30	0.26	0.134	1.2	286.3	18.67	0.02	1.28	0.7	0.1	7.6	<0.02	2.7	0.001	0.23	1.1	3	0.1	7.0
53	23856	30	<0.2	0.44	54.5	16.5	0.08	0.02	0.28	2.4	89.6	5.20	1.38	1.5	21960	0.07	5.9	0.01	35	0.88	0.024	6.1	23.6	28.76	1.45	32.39	1.4	0.3	22.6	0.03	5.6	<0.001	0.99	1.6	2	0.2	69.1
54	23857	70	<0.2	0.38	62.1	10.6	0.02	0.01	0.15	2.5	70.4	5.11	2.30	1.2	14620	0.05	4.9	0.01	23	1.03	0.024	5.0	24.2	23.99	2.48	31.88	1.2	0.6	30.8	0.02	4.2	<0.001	1.35	1.7	2	0.2	47.4
55	23858	55	<0.2	0.36	36.8	20.2	0.18	0.03	0.19	2.5	63.1	5.23	1.19	1.1	8615	0.11	6.0	0.03	17	0.93	0.026	7.0	29.2	15.78	1.26	12.97	1.4	0.4	36.9	<0.02	5.1	<0.001	0.84	1.7	<2	0.2	44.5
56	23859	90	0.8	0.26	87.5	16.4	0.15	0.11	0.20	2.4	118.5	9.67	1.44	1.7	11200	0.13	18.3	0.08	122	1.45	0.023	10.6	49.1	23.09	1.46	17.43	0.7	0.9	18.8	0.03	6.9	<0.001	1.74	1.3	3	0.1	65.8
57	23860	30	<0.2	0.29	38.9	46.5	0.14	1.12	0.12	3.2	72.4	6.89	1.25	1.6	2673	0.16	18.1	0.46	577	1.44	0.024	8.6	86.6	36.62	0.87	9.06	1.2	0.8	48.2	0.03	10.1	<0.001	0.25	2.0	<2	0.0	54.9
58	23861	30	<0.2	0.41	36.7	86.8	0.22	1.60	0.05	8.7	125.5	17.90	2.51	2.3	3274	0.23	26.8	0.83	762	0.79	0.032	18.3	315.7	16.35	0.61	7.90	2.3	0.9	73.2	0.04	12.5	<0.001	0.19	1.8	6	0.2	71.8
59	23862	20	<0.2	0.36	27.5	127.2	0.21	2.84	0.06	6.9	153.8	8.22	2.47	2.0	1445	0.19	23.5	1.26	1136	9.27	0.034	13.8	595.5	47.15	0.39	2.96	1.9	0.8	75.0	0.02	10.6	<0.001	0.15	2.5	5	0.1	45.6
60	23863	<5	<0.2	0.39	34.2	118.6	0.39	1.28	0.04	6.7	175.4	13.10	2.02	2.3	3562	0.21	27.3	0.59	637	0.98	0.030	14.7	376.0	29.47	0.52	7.88	1.5	0.8	38.6	0.05	14.5	0.001	0.24	1.3	4	0.2	45.2
61	23864	10	<0.2	0.36	57.3	35.8	0.50	1.46	0.05	9.0	114.2	22.80	2.44	2.3	3197	0.22	27.1	0.62	735	0.85	0.029	18.7	342.4	26.29	0.97	11.43	2.4	0.9	64.3	0.03	11.5	<0.001	0.36	2.0	5	1.2	61.3
62	23865	65	<0.2	0.31	100.4	18.1	0.45	0.15	0.18	1.8	88.3	6.53	1.54	3.4	5949	0.17	45.3	0.11	130	0.97	0.024	4.1	60.7	41.87	1.50	15.05	1.1	1.7	11.9	0.03	15.3	<0.001	1.14	1.5	<2	0.1	42.9
63	23866	25	<0.2	0.33	89.9	21.2	0.22	0.06	0.18	1.6	110.1	5.76	1.36	3.4	4940	0.19	46.8	0.07	102	0.95	0.023	3.0	47.7	36.11	1.36	13.49	0.9	1.4	8.9	<0.02	14.7	<0.001	0.68	1.3	<2	0.1	25.7
64	23867	45	<0.2	0.31	37.6	17.4	0.23	0.05	0.10	1.3	73.3	4.55	1.23	3.3	3620	0.17	42.0	0.07	73	0.59	0.021	1.9	43.1	32.45	1.29	8.52	0.9	1.3	7.9	<0.02	13.8	<0.001	0.40	1.2	<2	0.1	27.8
65	23868	85	<0.2	0.39	76.9	17.4	0.27	0.09	0.19	2.8	83.6	7.27	1.80	4.1	9934	0.22	48.7	0.12	140	1.04	0.024	6.0	75.2	42.15	1.89	13.47	1.5	1.6	18.2	0.05	16.2	<0.001	0.46	1.8	2	0.1	53.1
66	23869	<5	<0.2	0.33	68.2	41.2	0.34	1.54	0.23	8.7	139.7	14.00	2.50	2.0	2529	0.24	22.2	0.73	876	0.58	0.031	17.0	233.6	87.18	0.98	7.35	2.0	0.9	77.1	0.05	11.4	<0.001	0.22	1.5	5	0.1	194.3
67	23870	<5	<0.2	0.32	26.8	138.1	0.24	1.45	0.06	8.8	181.7	17.86	2.47	2.2	1602	0.23	27.1	0.66	778	0.65	0.029	17.8	320.0	28.26	0.47	4.13	2.1	0.8	50.5	0.02	12.0	<0.001	0.13	1.3	6	0.1	55.4
68	23871	<5	<0.2	0.36	43.4	66.6	0.20	2.21	0.11	9.9	128.3	14.49	2.94	2.3	1937	0.21	23.3	1.04	951	0.52	0.028	19.9	363.3	49.19	0.74	3.05	3.0	0.8	93.2	0.05	13.4	<0.001	0.15	1.6	8	0.1	95.6
69	23872	5	<0.2	0.32	64.9	56.5	0.21	2.05	0.06	8.8	145.4	17.03	2.39	1.9	1172	0.23	22.2	0.92	979	0.46	0.031	18.3	264.0	24.51	0.82	2.79	2.1	0.8	97.0	0.05	11.0	<0.001	0.16	1.4	5	0.1	61.6
70	23873	15	<0.2	0.30	59.4	49.2	0.23	1.73	0.09	5.7	80.8	9.19	1.82	1.9	1583	0.19	21.8	0.72	758	0.88	0.026	10.0	196.0	25.62	0.84	2.76	1.9	0.8	92.0	0.04	11.3	<0.001	0.19	2.5	4	<0.1	53.7
71	23874	5	0.3	0.27	18.0	133.5	0.18	0.96	0.06	6.5	118.5	14.96	1.77	1.8	1284	0.16	19.2	0.57	560	0.78	0.020	14.1	199.5	26.49	0.29	1.18	1.6	0.5	43.0	0.02	9.5	<0.001	0.10	1.1	4	<0.1	44.8
72	23875	5	<0.2	0.43	12.6	130.9	0.13	1.13	0.04	7.9	174.7	8.51	2.33	2.6	1459	0.25	31.8	0.70	646	0.52	0.026	15.5	344.8	16.02	0.28	0.98	2.1	0.7	42.0	0.03	15.1	0.001	0.13	2.6	7	<0.1	48.4
73	23876	<5	<0.2	1.00	2.8	258.2	0.08	0.63	0.02	4.9	151.8	4.45	2.01	5.9	<5	0.48	13.8	0.61	591	0.70	0.147	7.8	701.9	15.72	0.02	0.37	2.7	0.4	78.4	0.06	5.7	0.134	0.41	3.3	44	0.1	50.8
74	23878	<5	0.2	0.42	19.8	173.5	0.26	1.22	0.04	9.0	129.6	15.26	2.33	2.8	1373	0.22	35.6	0.81	589	0.67	0.026	18.0	274.6	27.35	0.27	1.45	2.0	0.8	43.0	0.04	17.0	0.001	0.14	2.6	7	<0.1	50.5
75	23879	<5	1.0	0.37	49.6	87.8	0.51	0.35	0.08	7.0	80.7	12.68	1.74	2.3	1702	0.27	25.5	0.30	785	0.98	0.026	13.1	126.4	34.18	0.49	1.99	1.6	0.8	42.6	0.02	12.7	<0.001	0.18	2.7	3	<0.1	52.3
76	23880	15	0.2	0.36	26.6	131.9	0.25	1.33	0.07	13.3	171.7	24.41	2.78	2.2	1875	0.20	19.2	0.89	1076	0.71	0.026	29.3	155.1	32.67	0.45	3.35	3.7	0.7	83.0	0.04	13.2	<0.001	0.10	2.1	12	<0.1	72.8
77	23881	<5	<0.2	0.34	20.4	88.9	0.14	0.81	0.17	13.3	180.7	45.66	2.84	2.0	1563	0.16	15.1	0.84	998	1.22	0.024	34.7	153.7	11.64	0.51	2.56	3.4	1.1	60.3	0.05	7.1	<0.001	0.11	1.1	19	<0.1	78.3
78	23882	10	0.8	0.36	32.9	37.2	0.17	0.38	0.27	9.4	167.7	64.79	2.38	2.2	2858	0.14	15.1	0.48	584	1.84	0.022	41.8	466.5	9.05	0.75	3.74	2.4	2.3	84.7	0.12	4.0	0.001	0.07	1.3	18	<0.1	90.8
79	23883	5	1.0	0.16	64.5	28.7	0.12	0.43	0.30	4.9	242.0	67.12	1.48	1.0	681	0.10	4.1	0.22	281	2.19	0.022	41.8	30.0	10.09	1.13	5.04	1.0	2.8	11.9	0.10	1.0	0.001	0.07	0.6	13	0.1	68.0
80	23884	15	0.9	0.20	34.8	30.1	0.11	0.33	0.37	4.9	227.8	63.16	1.60	1.1	825	0.10	3.4	0.27	331	2.05	0.022	36.7	69.9	15.74	1.01	3.75	1.4	2.9	23.0	0.21	1.1	0.001	0.05	0.9	18	0.1	91.0
81	23885	15	<0.2	0.56	219.7	212.5	0.03	1.87	0.14	36.1	60.0	35.40	7.11	2.0	1084	0.12	2.6	2.35	1588	0.52	0.028	27.3	74.9	6.14	0.44	3.37	23.2	1.0	27.3	0.10	0.6	0.001	0.08	1.6	196	<0.1	96.5
82	23886	30	0.6	0.25	51.8	24.5	0.14	0.32	0.51	6.5	198.2	77.83	2.58	1.4	2064	0.10	5.5	0.55	513	3.35	0.026	49.5	100.2	11.44	1.16	5.54	2.4	3.0	28.7	0.22	1.3	0.001	0.05	1.1	50	0.1	119.1
83	23887	10	0.4	0.20	43.0	34.0	0.08	0.57	0.27	6.7	188.7	45.74	1.62	0.9	1638	0.08	2.9	0.50	347	2.51	0.023	36.5	49.0	9.18	0.91	6.46	1.8	1.9	24.4	0.08	0.9	0.001	0.10	0.6	23	0.1	58.0
84	23888	10	1.2	0.21	54.8	28.5	0.12	0.78	0.29	4.9	198.1	55.97	1.76	1.1	2525	0.08	3.3	0.60	392	2.75	0.021	39.2	57.0	6.65	1.01	6.57	1.6	2.1	27.7	0.14	0.9	0.001	0.11	0.6	24	0.1	65.9
85	23890	10	1.2	0.23	28.8	51.2	0.10	0.71	0.34	8.0	208.1	35.54	1.52	1.0	2884	0.07	2.7	0.97	308	1.59	0.020	75.8	123.3	19.09	0.61	7.86	2.0	1.3	44.8	0.05	2.0	0.001	0.06	0.7	22	0.1	60.3
86	23891	<5	<0.2	0.10	20.0	243.3	<0.02	3.32	0.03	74.2	605.1	6.63	4.29	0.5	21970	0.02	<0.5	13.67	961	0.19	0.044	1536.0	17.8	1.86	0.35	12.32	5.5	0.2	146.4	0.03	0.1	0.001	0.13	1.0	16	0.1	21.0
87	23892	<5	<0.2	0.10	26.0	54.0	<0.02	4.45	0.03	130.4	700.9	8.44	5.93	0.6	19620	0.03	<0.5	12.13	1093	0.25	0.031	2034.0	13.4	1.81	0.78	13.72	7.1	0.2	183.4	0.04	0.1	0.001	0.40	1.1	22	0.1	23.4
88	23893	15	0.2	0.17	28.2	126.5	0.15	1.35	0.09	34.8	328.9	10.86	3.11	0.8	6131	0.09	4.9	5.87	781	0.54	0.033	707.2	131.6	15.20	0.41	7.08	3.2	0.3	55.2	<0.02	2.9	0.001	0.27	0.6	10	0.3	39.6
89	23894	<5	0.6	0.19	22.3	124.6	0.03	0.55	0.06	99.3	460.8	12.83	5.03	1.0	10970	0.02	1.6	13.73	857	0.60	0.037	1633.0	17.0	2.17	0.46	10.29	6.2	0.2	42.6	<0.02	0.6	0.001	0.37	0.5	26	0.1	26.6
90	23895	<5	0.2	0.03	23.4	113.6	<0.02	0.57	0.01	98.3	509.6	4.47	3.72	0.3	15450	0.01	<0.5	11.09	718	0.48	0.037	1681.0	8.9	1.92	0.80	18.54	3.1	0.2	44.1	<0.02	<0.1	<0.001	0.75	0.2	8	0.3	18.4

ECO TECH LABORATORY LTD. — **ICP MS CERTIFICATE OF ANALYSIS AW 2007-7013** — **Klondike Star**

		Fire Assay																																		
		Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Et #.	Tag #	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
91	23896	<5	<0.2	0.10	8.4	121.5	<0.02	3.51	0.01	108.3	621.3	4.35	5.10	0.6	15160	0.01	<0.5	15.22	995	0.16	0.030	1820.0	10.6	1.31	0.94	9.40	6.6	0.1	179.4	0.02	<0.1	<0.001	0.38	0.5	22	0.1	21.4
92	23898	<5	<0.2	0.05	6.8	246.0	<0.02	4.61	0.01	97.1	611.8	4.95	3.68	0.3	24920	0.01	<0.5	12.20	929	0.28	0.034	1681.0	19.5	1.64	0.29	8.60	4.3	0.1	186.1	0.04	<0.1	0.001	0.09	0.3	10	0.2	17.9
93	23899	<5	<0.2	0.87	2.9	243.6	0.09	0.71	0.02	4.7	171.9	2.80	1.88	5.5	<5	0.42	11.6	0.57	552	0.31	0.128	8.6	654.0	14.63	0.01	0.17	2.5	0.3	66.5	0.03	5.7	0.119	0.38	3.3	40	<0.1	49.2
94	23900	<5	<0.2	0.09	18.0	577.4	<0.02	6.40	0.02	93.9	593.5	4.63	5.13	0.4	18510	0.01	<0.5	13.95	1473	0.19	0.036	1698.0	42.7	1.48	0.23	6.53	3.3	0.2	191.7	0.02	0.2	0.002	0.04	0.7	8	0.1	19.8
95	23901	<5	<0.2	0.22	39.0	293.8	<0.02	8.00	0.02	106.7	1122.0	6.55	6.14	0.7	4442	0.02	<0.5	13.27	1815	0.11	0.046	1772.0	47.1	1.55	0.19	9.73	7.3	0.2	212.5	0.05	<0.1	0.003	0.02	1.0	23	0.1	26.4
96	23902	<5	0.6	0.17	39.9	157.5	<0.02	2.95	0.03	112.8	837.9	10.53	4.45	0.7	10190	0.03	0.6	10.53	993	0.43	0.043	1839.0	41.9	1.70	0.45	13.65	5.6	0.2	121.6	0.03	0.1	0.002	0.05	0.7	19	0.2	26.3
97	23903	<5	<0.2	0.67	28.2	166.8	0.05	2.20	0.48	36.6	344.9	43.59	3.72	3.1	3512	0.08	10.1	4.99	706	2.21	0.031	486.0	822.6	4.67	0.45	2.27	5.3	2.0	116.7	0.06	1.4	<0.001	0.05	0.6	59	0.2	84.8
98	23904	<5	<0.2	0.11	55.7	424.4	0.02	3.21	0.03	105.9	662.5	16.72	4.31	0.8	2984	0.02	<0.5	7.98	945	0.32	0.031	1726.0	114.1	1.85	0.25	22.58	6.3	0.2	102.4	0.03	<0.1	0.001	0.06	0.7	26	0.5	22.2
99	23905	5	<0.2	0.29	19.5	297.8	<0.02	4.12	0.04	163.3	1130.0	18.78	6.77	1.2	7612	0.01	<0.5	14.22	1326	0.37	0.036	2681.0	34.8	2.47	0.39	17.65	11.1	0.2	137.5	0.03	<0.1	0.001	0.09	0.2	49	0.6	33.5
100	23906	15	0.4	0.12	20.1	208.9	<0.02	2.26	0.02	86.7	688.7	14.72	3.31	0.5	3658	0.01	<0.5	6.60	646	0.63	0.032	1576.0	21.8	1.46	0.22	11.01	5.1	0.1	139.7	0.06	<0.1	0.001	0.05	0.1	17	0.8	11.5
101	23907	390	<0.2	0.24	4.1	35.2	2.44	0.19	0.01	0.4	3.1	2.81	0.37	1.2	20	0.05	1.2	0.07	28	0.29	0.133	1.5	279.3	17.48	<0.02	0.66	0.6	0.1	7.5	0.02	2.3	0.001	0.18	0.9	<2	0.1	5.1
102	23908	40	<0.2	0.22	15.4	143.4	<0.02	4.58	0.02	149.0	1172.0	8.33	6.00	0.6	15020	0.02	<0.5	12.56	900	0.34	0.042	2510.0	25.4	2.40	0.32	6.06	11.4	0.2	180.7	0.04	0.1	0.002	0.08	0.1	30	0.6	19.4
103	23909	15	0.6	0.17	8.3	530.0	<0.02	8.06	0.02	104.7	772.5	5.55	4.72	0.4	20880	0.01	<0.5	7.96	939	0.10	0.035	1708.0	20.7	3.06	0.15	1.08	8.9	0.1	295.4	0.09	<0.1	0.002	0.04	0.0	25	0.3	12.4
104	23910	<5	<0.2	1.30	6.2	485.0	0.02	4.10	0.03	81.2	596.5	29.72	5.63	4.1	1982	0.24	4.8	9.80	1005	0.16	0.035	1214.0	152.0	3.64	0.10	0.59	12.2	0.2	161.3	0.03	1.0	0.031	0.15	0.2	76	0.4	42.9
105	23911	5	0.4	1.74	9.2	399.4	0.09	1.10	0.08	28.6	413.9	50.18	4.05	6.4	644	0.13	8.5	4.34	739	0.54	0.028	307.7	346.8	8.09	0.09	0.39	8.1	0.6	57.6	0.07	1.5	0.009	0.06	0.3	95	0.1	64.5
106	23912	15	0.2	0.86	9.1	108.9	0.06	0.80	0.03	11.8	253.7	31.74	2.46	4.1	204	0.06	7.7	2.25	576	0.44	0.026	113.1	183.4	4.54	0.06	0.39	5.5	0.4	47.4	0.03	1.3	0.005	0.04	0.1	48	<0.1	37.5
QC DATA:																																					
Repeat:																																					
1	23801	10	<0.2	0.17	7.7	211.5	0.05	0.20	0.77	2.3	346.6	14.64	0.63	0.6	116	0.09	0.9	0.07	82	1.07	0.021	11.7	193.4	31.45	0.08	1.54	0.4	0.7	12.4	0.01	0.5	0.001	0.07	0.2	8	<0.1	147.1
10	23811	30	<0.2	0.51	88.8	14.4	0.17	0.03	0.12	6.1	62.2	9.00	1.99	2.7	6455	0.15	26.9	0.03	44	2.61	0.021	23.8	169.6	31.20	2.25	48.41	1.2	0.9	52.4	0.05	10.5	<0.001	0.98	1.8	3	0.2	57.8
19	23820	30	<0.2	0.36	21.8	30.7	0.30	0.04	0.15	1.5	143.1	4.87	1.21	3.3	2286	0.22	41.3	0.03	67	1.35	0.022	4.2	119.8	34.91	1.21	8.81	0.5	1.3	6.9	0.03	18.0	<0.001	0.22	2.5	<2	0.1	33.9
36	23838	10	<0.2	0.39	96.1	36.7	0.06	2.27	0.19	38.4	94.9	96.53	6.61	1.5	1697	0.18	1.4	1.77	2454	0.24	0.035	64.0	595.0	6.74	1.19	20.36	13.9	0.7	38.8	0.05	0.2	<0.001	0.23	0.2	79	0.1	141.4
45	23848	<5	<0.2	0.23	32.6	85.6	0.14	0.01	0.05	3.9	223.3	7.26	0.57	1.0	24680	0.05	2.8	0.01	29	2.72	0.026	19.7	64.6	15.27	0.48	>2000	0.6	0.3	51.9	0.03	2.2	0.001	1.97	0.7	5	3.8	5.3
54	23857	75	<0.2	0.38	63.6	10.4	0.03	0.01	0.15	2.6	72.0	5.18	2.36	1.3	14800	0.05	5.0	0.01	23	1.10	0.023	5.0	26.3	25.20	2.55	28.21	1.2	0.6	31.1	0.03	4.3	<0.001	1.35	1.7	2	0.2	48.2
71	23874	5	0.2	0.32	20.9	135.0	0.22	1.17	0.04	7.7	143.2	16.76	2.11	2.1	1365	0.19	22.8	0.70	663	0.38	0.024	16.4	234.3	29.01	0.35	1.27	1.9	0.6	51.8	0.02	11.6	<0.001	0.10	1.3	5	<0.1	48.7
80	23884	<5	1.1	0.18	35.8	33.5	0.12	0.32	0.37	5.0	220.5	64.94	1.60	1.1	905	0.09	3.5	0.26	327	2.17	0.029	37.2	62.2	16.28	0.99	3.85	1.4	3.0	21.4	0.11	1.0	0.001	0.06	0.9	17	0.1	94.5
89	23894	<5	<0.2	0.16	20.4	116.1	0.03	0.49	0.06	92.9	496.1	12.03	4.63	0.9	10380	0.02	1.5	12.20	783	0.60	0.031	1636.0	15.6	2.49	0.38	9.46	5.5	0.2	39.0	0.01	0.5	0.001	0.35	0.4	23	0.1	24.2
Resplit:																																					
1	23801	15	<0.2	0.16	6.5	234.4	0.07	0.18	0.95	2.0	292.4	12.71	0.63	0.5	96	0.08	0.9	0.06	74	0.96	0.020	10.4	186.1	35.88	0.08	1.15	0.4	0.8	11.6	<0.02	0.4	0.001	0.03	0.2	7	<0.1	144.7
36	23838	15	0.2	0.40	90.9	38.8	0.03	2.22	0.13	36.8	87.3	96.96	6.34	1.5	1685	0.19	1.4	2.00	2399	0.22	0.036	61.5	566.9	5.37	1.05	19.46	13.2	0.7	38.1	0.03	0.3	<0.001	0.23	0.2	76	<0.1	129.8
Standard:																																					
Till-3			1.5	1.20	82.0	36.1	0.28	0.35	0.10	10.3	61.1	20.84	2.04	4.4	169	0.09	14.0	0.54	303	0.59	0.044	32.1	410.7	28.00	0.93	0.68	2.1	0.2	17.8	<0.02	1.3	0.063	0.06	1.1	40	0.1	40.9
Till-3			1.3	1.10	84.3	37.1	0.31	0.68	0.12	10.3	61.7	21.60	2.10	4.6	95	0.10	14.3	0.54	318	0.61	0.045	32.2	423.1	29.55	1.00	0.79	2.2	0.2	18.4	0.02	1.2	0.065	0.06	1.2	37	0.1	38.5
Till-3			1.3	1.24	91.5	34.1	0.43	0.68	0.12	12.1	58.2	20.06	2.03	4.9	136	0.10	15.6	0.71	314	0.60	0.057	41.3	450.5	23.10	0.82	0.73	2.1	0.2	15.3	0.02	1.0	0.570	0.05	1.0	40	0.1	36.2
OXD43		410																																			
OXD43		415																																			

Au 30g FA AA Finish
ICP - Aqua Regia / ICP - MS Finish

JJ/bp
df/7013im
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

23-Jul-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP MS CERTIFICATE OF ANALYSIS AW 2007- 7022r

ICP - Aqua Regia / ICP - MS Finish

No. of samples received: 40 *Sample Type: Core* ***Project: Spice*** ***Shipment #: 2***

Klondike Star
Box 20116, 1031 Ten Mile Rd
Whitehorse, YT
Y1A 7A2
Attention: Bill Mann
Submitted by: Jean Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	23913	0.7	0.20	37.4	195.8	0.07	0.94	0.07	0.8	264.8	4.90	0.37	0.8	4509	0.16	4.6	0.12	51	0.81	0.028	6.1	78.9	6.05	0.09	14.10	0.4	0.7	32.9	0.02	1.0	0.001	0.18	0.2	7	0.1	12.0
2	23914	0.4	0.37	41.3	254.6	0.19	0.01	0.02	0.4	149.0	3.64	0.27	1.5	6275	0.22	7.8	0.03	17	0.85	0.025	3.3	39.9	9.58	0.14	14.62	0.6	0.9	31.8	0.02	1.9	0.001	0.23	0.3	8	0.1	8.4
3	23915	0.2	0.66	181.6	311.7	0.20	0.03	0.03	0.6	149.9	6.13	0.50	1.9	4949	0.39	9.5	0.05	18	1.95	0.035	5.4	169.6	11.30	0.30	16.77	1.0	1.1	40.4	0.06	2.1	0.001	0.45	0.3	16	<0.1	10.6
4	23916	0.3	0.60	505.0	34.9	0.18	0.05	0.18	6.4	158.4	80.91	1.20	7.0	5568	0.29	19.2	0.03	18	1.93	0.024	17.6	1002.0	8.44	0.91	42.07	5.8	1.0	29.8	0.08	5.1	0.001	0.96	3.9	45	<0.1	29.9
5	23917	0.3	0.98	393.6	12.4	0.23	0.16	4.10	16.5	92.3	104.20	2.22	2.6	7866	0.22	8.4	0.08	166	1.94	0.026	72.8	981.9	13.08	2.09	46.90	3.9	1.4	48.7	0.07	2.8	0.001	0.44	7.4	33	<0.1	106.1
6	23918	0.6	0.97	361.9	18.4	0.30	0.06	2.53	15.4	132.1	105.10	1.46	2.1	7144	0.22	7.2	0.03	22	4.15	0.023	67.1	606.3	10.92	1.63	46.37	3.1	1.4	33.5	0.05	2.0	0.001	0.38	4.1	30	<0.1	73.4
7	23919	0.1	0.20	287.6	92.7	0.10	0.01	0.24	3.5	234.7	35.74	0.64	1.0	2756	0.12	2.8	0.02	30	1.20	0.022	14.6	75.4	6.43	0.36	17.25	0.7	0.7	6.8	0.03	1.1	0.001	0.25	0.8	7	<0.1	23.6
8	23920	0.2	0.35	287.0	36.5	0.14	0.03	0.29	2.3	111.8	7.89	0.90	0.9	12340	0.17	3.7	0.01	21	1.15	0.026	10.8	232.4	22.96	0.75	26.07	1.3	0.6	29.1	0.03	1.4	<0.001	0.72	0.9	6	0.1	28.6
9	23921	0.4	0.21	88.0	36.3	0.10	0.01	0.24	3.7	185.2	14.83	1.01	0.9	3320	0.16	6.1	0.02	52	3.33	0.028	16.2	35.3	6.26	0.89	17.71	0.6	1.5	5.6	<0.02	3.0	0.001	0.45	1.6	11	0.1	35.8
10	23922	0.6	0.33	149.1	14.3	0.11	0.18	0.96	5.6	195.8	26.16	1.99	1.6	12210	0.14	9.1	0.02	50	2.06	0.029	28.5	961.0	13.20	1.91	55.06	1.1	2.6	34.1	0.04	3.4	0.001	1.11	1.5	16	0.1	66.2
11	23923	4.0	0.33	53.8	39.5	0.03	0.01	0.34	1.5	114.5	17.21	0.82	1.6	7082	0.12	16.6	0.01	23	0.87	0.020	5.1	119.0	18.86	0.74	14.06	0.7	0.9	11.7	<0.02	11.2	<0.001	0.38	1.3	4	5.5	9.0
12	23924	0.3	0.26	73.1	19.1	0.15	0.01	0.24	2.8	142.5	15.09	1.30	1.3	15210	0.13	9.4	0.02	36	1.37	0.022	11.5	82.8	22.46	1.22	29.86	0.7	1.5	12.4	0.06	5.6	<0.001	0.48	1.4	6	0.1	11.9
13	23925	0.5	0.29	91.6	15.8	0.21	0.01	0.33	3.9	148.5	21.54	1.54	1.4	15140	0.15	11.2	0.02	41	1.86	0.023	20.2	129.2	19.07	1.45	34.04	0.8	1.4	20.1	0.06	5.3	<0.001	0.63	1.6	8	<0.1	22.6
14	23926	0.1	0.32	22.1	36.1	0.25	0.07	0.12	8.8	141.2	20.57	1.92	2.0	3229	0.21	27.0	0.16	808	0.95	0.032	22.2	283.6	16.14	0.93	12.65	1.4	0.8	20.8	0.04	11.4	<0.001	0.21	1.7	5	<0.1	61.4
15	23927	0.2	0.38	51.4	26.1	0.25	0.07	0.31	9.7	110.4	28.92	1.45	1.7	5282	0.20	17.3	0.07	275	2.77	0.030	36.4	227.5	17.43	1.11	20.03	1.3	1.2	19.9	0.05	7.2	<0.001	0.30	2.1	7	0.1	116.1
16	23928	0.1	0.52	59.1	17.8	0.29	0.16	0.23	4.2	81.5	7.38	1.29	1.7	6405	0.17	20.5	0.02	42	0.94	0.024	18.1	154.1	26.89	1.44	11.26	1.1	0.8	16.8	<0.02	8.9	<0.001	0.28	1.6	4	<0.1	73.9
17	23929	0.1	0.48	43.7	19.6	0.35	0.17	0.22	4.3	71.9	10.01	1.20	1.5	5955	0.20	16.0	0.02	34	1.53	0.024	14.9	365.4	32.11	1.31	9.39	1.4	0.7	19.1	0.03	8.3	<0.001	0.32	1.8	4	<0.1	81.7
18	23930	0.2	0.28	19.7	48.0	0.20	0.11	0.30	3.4	147.9	37.04	0.82	1.0	2671	0.13	8.2	0.02	49	1.52	0.024	11.7	42.7	13.40	0.67	15.04	0.8	0.9	10.6	0.04	3.5	<0.001	0.22	1.1	5	0.1	39.2
19	23931	0.2	0.33	19.2	143.4	0.17	0.02	0.18	5.4	233.0	33.52	0.64	1.0	1256	0.20	4.5	0.02	34	2.14	0.036	18.7	47.3	7.58	0.50	10.26	0.8	0.8	9.3	0.09	1.6	0.001	0.15	0.8	11	<0.1	17.5
20	23932	0.2	0.26	14.0	147.2	0.14	0.05	0.18	3.6	206.3	28.48	0.59	0.8	1411	0.17	4.2	0.04	41	2.45	0.032	14.0	38.4	6.81	0.41	9.88	0.7	0.6	9.5	0.03	1.4	0.001	0.13	0.7	9	<0.1	10.5
21	23933	<0.1	0.91	2.9	235.2	0.08	0.74	0.02	4.1	148.4	2.56	1.70	5.1	57	0.43	11.5	0.53	512	0.34	0.132	5.5	678.4	4.70	0.02	0.07	2.4	0.3	60.0	0.02	5.1	0.115	0.35	3.4	38	<0.1	42.4
22	23934	0.3	0.18	11.7	125.2	0.21	0.04	0.21	3.3	220.2	34.05	0.61	0.7	983	0.13	3.8	0.05	150	2.06	0.023	13.3	25.9	11.36	0.24	5.76	0.6	0.5	9.6	0.07	1.6	0.001	0.12	0.6	6	<0.1	29.7
23	23935	0.3	0.20	146.1	23.8	0.14	0.02	0.51	5.7	191.5	25.22	1.18	0.9	4712	0.14	5.2	0.02	53	2.37	0.027	24.1	112.6	6.63	1.09	32.14	0.8	1.2	8.1	0.06	1.4	0.001	0.90	1.1	11	0.1	53.6
24	23936	0.1	0.26	3.4	39.2	1.48	0.35	0.02	0.3	3.0	2.66	0.35	1.1	54	0.06	1.1	0.07	27	0.16	0.127	1.1	264.8	15.88	<0.02	0.57	0.6	0.1	6.3	0.00	2.5	0.001	0.18	1.0	2	0.1	4.7
25	23937	0.3	0.27	42.0	16.6	0.24	0.49	0.42	8.6	137.4	34.44	2.13	1.1	2653	0.16	7.5	0.33	565	2.07	0.027	35.8	156.7	18.76	1.55	11.10	1.9	1.3	46.0	0.07	3.7	<0.001	0.27	2.2	7	0.1	94.8
26	23938	0.4	0.37	39.0	18.3	0.16	1.15	0.34	15.0	175.2	42.77	2.90	1.3	1793	0.25	8.3	0.77	836	2.01	0.037	58.9	148.3	14.11	2.29	8.18	2.8	1.4	45.3	0.07	3.6	<0.001	0.23	1.5	12	<0.1	100.4
27	23939	0.2	0.99	217.6	303.0	0.34	9.05	0.13	58.3	408.0	5.96	4.95	3.8	593	0.77	6.8	6.78	2424	1.34	0.151	610.3	157.0	19.69	1.11	36.52	15.6	1.3	127.7	0.36	1.5	0.001	0.13	0.7	78	<0.1	60.9
28	23940	0.5	0.73	24.3	80.4	0.09	1.27	0.18	67.3	93.2	98.85	8.47	4.4	763	1.05	2.5	4.52	2537	0.72	0.163	143.4	169.7	9.82	1.94	16.47	41.6	1.6	33.8	0.43	0.3	0.001	0.18	1.9	232	<0.1	153.5
29	23941	0.2	0.90	66.7	178.6	0.39	5.23	0.36	44.1	242.1	24.07	4.65	3.4	928	1.13	12.4	4.87	1662	1.38	0.173	467.2	201.5	20.75	1.34	30.72	12.9	1.8	146.5	0.27	2.8	0.001	0.11	0.9	80	<0.1	99.7
30	23942	1.9	0.67	29.2	32.2	0.32	0.61	0.19	14.8	193.7	61.15	3.32	2.6	1000	0.70	15.7	1.37	1008	1.71	0.088	68.0	265.6	9.75	2.20	4.89	4.4	1.7	31.0	0.17	4.7	0.001	0.11	1.3	32	5.2	76.0
31	23943	0.9	0.72	32.2	28.6	0.22	0.64	0.07	6.2	100.9	13.44	1.77	2.8	1191	0.52	26.4	0.29	430	1.36	0.065	18.8	182.6	20.06	2.54	4.94	1.8	1.3	19.4	0.05	9.8	<0.001	0.21	1.5	12	0.2	34.5
32	23945	0.2	0.66	27.3	57.0	0.20	0.47	0.10	18.7	173.0	55.83	5.12	2.8	787	0.71	12.8	1.31	1359	1.40	0.106	65.2	363.0	7.98	2.01	2.45	7.0	1.5	28.0	0.15	4.4	0.001	0.11	1.0	44	0.1	77.0
33	23946	0.5	0.70	12.7	53.5	0.35	4.84	0.21	21.5	248.6	115.10	5.04	3.3	813	0.87	11.9	2.95	1377	2.04	0.137	116.2	193.3	20.29	3.92	12.09	11.3	2.9	76.1	0.29	2.7	0.001	0.15	0.8	108	<0.1	73.8
34	23947	0.2	0.52	123.6	74.8	0.13	2.04	0.20	64.7	207.4	100.10	7.16	3.5	1471	0.83	2.4	3.07	2398	0.67	0.129	302.2	411.0	7.63	2.37	21.69	22.8	0.8	46.2	0.08	0.9	<0.001	0.21	1.5	115	0.1	133.6
35	23948	0.5	0.52	34.7	30.0	0.13	3.65	0.15	19.1	170.2	42.40	4.63	2.4	1620	0.64	5.5	2.11	1740	1.39	0.107	60.2	235.0	7.33	4.51	8.04	8.8	1.3	60.3	0.04	2.3	0.001	0.24	0.5	53	0.1	56.1
36	23949	0.3	0.40	16.1	41.3	0.15	1.17	0.24	17.6	157.9	87.10	2.69	2.7	1313	0.92	7.2	0.48	1326	1.13	0.134	48.4	433.0	8.19	3.12	5.64	5.0	1.3	17.3	0.12	2.4	0.001	0.17	2.6	22	0.1	99.5
37	23950	0.3	0.33	17.5	38.4	0.12	0.23	0.20	8.8	209.1	129.00	1.98	2.1	1055	0.68	7.0	0.20	299	1.18	0.117	56.4	375.6	9.83	3.36	19.95	2.4	2.7	20.2	0.13	1.4	0.002	0.13	0.9	25	0.1	54.8
38	23951	0.3	0.79	15.6	36.1	0.22	1.66	0.15	8.8	267.2	86.82	2.44	2.3	1210	0.76	5.9	0.43	1036	0.77	0.129	52.8	239.4	9.35	3.88	12.86	3.5	1.9	35.0	0.15	1.9	0.002	0.15	1.1	29	<0.1	66.9
39	23952	0.3	0.55	20.3	29.1	0.10	0.70	0.12	7.6	211.7	81.05	2.27	2.1	1139	0.71	6.3	0.34	642	0.76	0.116	42.2	149.2	6.79	3.97	11.34	2.9	2.2	20.9	0.16	1.3	0.002	0.18	0.5	25	<0.1	64.0
40	23954	0.2	0.48	31.6	65.9	0.22	0.63	0.10	23.3	216.9	43.46	3.19	2.9	854	0.78	6.3	1.02	1561	0.80	0.121	123.2	280.0	6.97	2.33	22.00	6.4	1.0	21.1	0.04	1.1	0.001	0.18	0.7	42	<0.1	76.3
QC DATA:																																				
Repeat:																																				
1	23913	0.7	0.18	33.7	188.2	0.08	1.03	0.04	0.8	230.7	4.18	0.34	0.7	4449	0.12	4.3	0.11	47	0.69	0.023	5.2	71.7	6.01	0.06	13.53	0.3	0.7	30.0	<0.02	1.2	0.001	0.19	0.2	5	<0.1	12.2
10	23922	0.6	0.31	142.6	13.8	0.10	0.19	0.91	5.4	197.8	24.78	1.94	1.5	12140	0.16	8.4	0.02	50	2.07	0.026	26.2	988.4	14.50	1.91	53.85	1.1	2.6	33.1	0.04	3.1	0.001	1.11	1.5	15	0.1	60.7
19	23931	0.4	0.56	26.6	166.4	0.19	0.03	0.17	6.4	270.3	39.56	0.75	1.2	1179	0.49	5.4	0.03	42	2.27	0.080	22.5	102.4	8.21	0.94	10.57	1.1	1.1	10.5	0.09	1.5	0.001	0.14	0.8	18	<0.1	17.4
36	23949	0.4	0.99	39.8	42.1	0.11	1.23	0.22	20.4	175.3	101.00	2.57	3.1	1294	1.00	7.8	0.79	1338	1.06	0.155	48.3	358.0	6.14	3.63	5.17	5.4	1.5	20.0	0.06	1.9	0.001	0.20	2.8	27	0.1	111.7
Resplits:																																				
1	23913	0.8	0.18	37.8	193.6	0.07	1.19	0.06	1.4	237.9	5.68	0.39	1.0	4669	0.80	5.3	0.27	55	0.90	0.114	6.9	91.1	7.04	0.10	14.79	0.9	1.2	34.6	0.03	1.1	0.002	0.21	0.3	27	0.1	11.0
36	23949	0.4	1.06	40.1	35.1	0.20	1.14	0.20	19.7	176.1	91.89	2.78	3.0	1342	1.05	7.9	0.84	1378	1.00	0.160	47.5	473.0	7.02	3.77	5.29	5.6	1.6	20.3	0.07	2.6	0.001	0.24	3.8	26	<0.1	114.4
Standard:																																				
Till 3		1.5	0.97	76.4	40.9	0.26	0.56	0.09	10.5	61.8	19.39	1.87	4.9	103	0.06	11.3	0.48	305	0.61	0.037	27.9	438.9	28.04	0.02	0.61	2.1	0.1	11.8	<0.02	1.1	0.036	0.06	1.1	36	0.1	37.9
Till 3		1.3	1.01	74.9	40.5	0.26	0.58	0.09	11.4	61.4	19.00	1.76	4.9	110	0.06	11.8	0.48	305	0.54	0.041	28.6	461.4	27.87	0.02	0.60	2.1	0.2	12.3	0.02	1.2	0.038	0.06	1.2	35	0.1	36.2

JJ/bp
df/7022im
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2007-7023R

Revised

Klondike Star
Box 20116, 1031 Ten Mile Rd
Whitehorse, YT
Y1A 7A2
Attention: Bill Mann
No. of samples received: 30
Sample Type: Core
Project: Spice
Shipment #: 3
Submitted by: Jean Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	23955	10	0.6	0.32	38.9	90.2	0.11	0.11	0.18	11.7	181.1	68.13	2.16	1.6	1759	0.12	4.3	0.55	994	1.36	0.061	39.1	217.9	14.06	1.20	18.6	0.8	10.0	0.05	1.9	0.001	0.23	0.6	19	0.3	86.8
2	23956	1	<0.2	1.03	8.4	233.3	0.06	0.75	0.01	5.2	136.2	3.19	1.81	5.5	268	0.40	7.7	0.59	544	0.29	0.122	5.7	668.7	11.63	0.02	0.1	0.3	63.6	0.03	4.5	0.106	0.35	3.4	39	0.1	49.4
3	23957	10	0.8	0.20	153.4	7.5	0.12	0.08	0.15	8.5	165.0	82.48	4.79	1.0	3796	0.11	2.7	0.17	776	1.43	0.054	37.7	215.4	18.63	7.27	39.7	1.0	10.1	0.07	1.1	0.001	1.06	0.7	10	0.1	68.0
4	23958	20	0.7	0.19	94.5	21.5	0.09	0.03	0.09	4.3	188.4	35.40	1.61	1.0	>10000	0.08	3.1	0.04	862	1.34	0.058	14.0	130.1	23.58	2.18	58.9	0.4	23.7	0.04	1.2	<0.001	0.70	0.6	5	0.5	31.4
5	23959	13	1.8	0.17	134.6	34.9	0.08	0.03	0.16	6.2	181.4	70.81	1.62	1.1	2904	0.10	4.7	0.06	1286	0.85	0.056	15.9	137.5	17.11	2.07	54.3	0.4	8.7	0.05	1.0	0.001	0.24	0.3	6	1.9	38.3
6	23960	40	1.4	0.19	123.0	18.7	0.09	0.03	0.05	6.9	196.1	55.77	2.05	1.1	8561	0.10	4.6	0.05	746	1.22	0.064	22.1	128.3	372.60	2.81	44.8	0.8	8.7	0.06	1.0	0.001	0.37	0.3	8	0.2	33.7
7	23961	5	1.2	0.14	99.3	30.1	0.09	0.02	0.05	6.6	214.5	60.54	1.70	0.9	3206	0.07	3.5	0.03	532	1.13	0.052	17.3	72.1	14.11	2.31	50.6	0.4	5.9	0.06	0.6	0.001	0.34	0.3	6	0.1	24.6
8	23962	<5	0.4	0.21	32.8	133.4	0.10	0.05	0.05	2.3	196.9	12.63	0.56	1.1	>10000	0.07	2.5	0.01	89	1.96	0.063	11.4	223.0	33.72	0.52	36.7	0.3	40.6	0.02	1.0	0.001	0.69	0.6	6	1.3	7.4
9	23963	<5	2.4	0.49	176.8	23.2	0.40	0.02	0.89	6.0	69.9	15.32	1.68	1.7	>10000	0.05	3.9	0.01	57	12.64	0.053	27.8	43.0	48.17	2.83	882.7	1.6	32.5	0.03	3.3	<0.001	3.60	1.5	5	3.2	20.8
10	23964	15	0.4	0.38	168.7	23.5	0.26	0.02	0.39	5.0	124.0	17.31	1.89	1.2	>10000	0.07	3.4	0.01	91	3.68	0.053	18.5	30.3	35.21	2.98	288.9	1.2	27.0	0.03	1.9	<0.001	3.09	1.2	5	0.7	57.4
11	23965	30	0.1	0.46	33.9	23.6	0.01	0.01	0.07	1.9	74.5	6.30	1.29	1.5	>10000	0.02	5.3	0.00	14	1.19	0.042	5.5	28.8	27.85	2.08	25.4	0.3	19.2	0.05	5.0	<0.001	0.46	1.6	4	0.3	18.0
12	23966	405	0.1	0.26	18.8	36.9	1.67	0.25	0.01	0.3	3.3	3.28	0.36	1.1	1	0.05	1.1	0.08	26	0.20	0.142	1.5	271.4	21.56	0.01	0.6	0.1	6.5	0.01	2.1	0.001	0.23	0.9	4	0.1	4.6
13	23967	45	0.2	0.49	32.3	28.2	0.00	0.01	0.06	1.9	98.3	7.97	1.10	1.3	>10000	0.05	3.2	0.01	20	0.91	0.055	5.6	22.6	25.95	1.71	37.0	0.4	19.0	0.04	3.7	<0.001	0.36	1.1	4	0.3	15.8
14	23968	210	0.9	0.29	79.3	10.9	0.03	0.02	0.18	2.6	68.0	6.78	2.12	1.5	>10000	0.15	6.9	0.03	114	0.78	0.053	4.8	25.6	47.94	3.50	121.0	1.1	14.8	0.05	6.1	<0.001	1.02	1.7	4	0.3	48.9
15	23969	5	0.3	1.24	19.8	52.3	0.05	1.01	0.09	23.5	118.7	87.08	4.11	4.0	2276	0.14	2.2	2.09	2210	0.86	0.058	71.1	571.7	14.13	1.64	10.4	0.6	16.6	0.03	0.9	<0.001	0.24	2.0	53	0.2	80.8
16	23970	145	0.5	0.30	66.3	15.1	0.09	0.03	0.17	2.4	65.7	6.45	1.76	1.2	>10000	0.15	3.8	0.04	51	0.92	0.055	4.8	22.3	30.53	2.93	61.4	1.0	17.7	0.01	3.8	<0.001	1.25	1.2	3	0.2	97.9
17	23971	80	0.6	0.43	104.2	17.2	0.72	0.02	0.19	2.7	105.8	8.91	1.84	4.5	>10000	0.18	31.5	0.07	77	3.03	0.054	7.1	41.9	44.10	2.92	40.2	1.7	4.7	0.03	14.2	<0.001	1.87	1.7	3	0.2	91.5
18	23972	30	0.4	0.37	69.4	34.1	0.34	0.01	0.24	1.9	117.5	6.89	1.16	6.5	6005	0.18	51.5	0.05	56	2.75	0.054	4.5	53.1	42.26	1.77	39.0	2.1	3.6	0.03	13.2	<0.001	1.00	1.4	4	0.2	52.4
19	23973	40	0.5	0.37	71.0	34.5	0.24	0.02	0.35	2.0	106.2	6.60	1.41	5.8	7281	0.19	50.9	0.06	82	1.88	0.052	4.3	52.1	44.60	2.21	41.0	1.9	4.0	0.03	14.0	<0.001	1.20	1.6	3	0.1	68.0
20	23974	95	1.4	0.32	56.9	30.7	0.18	0.09	0.29	1.9	136.3	6.05	1.56	4.3	>10000	0.17	36.6	0.09	233	0.88	0.057	5.1	43.2	40.25	2.25	31.1	1.7	4.2	0.03	10.7	<0.001	0.70	1.3	3	0.1	113.3
21	23975	65	2.0	0.27	55.2	33.0	0.14	0.08	0.13	2.6	128.0	7.92	1.47	3.7	6343	0.14	29.3	0.09	176	1.42	0.054	7.8	42.8	37.66	2.15	24.0	1.8	7.1	0.02	9.4	<0.001	0.36	1.1	4	0.1	37.5
22	23976	10	3.3	0.27	57.5	28.9	0.27	0.19	0.15	3.5	112.2	12.48	1.53	2.9	6684	0.15	24.1	0.16	238	1.76	0.057	13.7	72.6	36.00	2.19	19.5	1.3	17.1	0.03	8.5	<0.001	0.30	1.5	4	0.1	40.4
23	23977	<5	0.5	0.34	31.0	87.4	0.29	0.46	0.12	6.9	57.7	12.10	0.82	2.0	3057	0.19	12.8	0.32	455	1.15	0.051	17.7	197.6	48.62	0.82	29.4	0.7	34.6	0.01	7.0	<0.001	0.30	3.1	5	0.1	43.2
24	23978	15	1.7	0.26	91.8	16.1	0.18	0.18	0.24	2.4	97.6	7.96	2.28	2.9	7143	0.15	23.2	0.16	265	3.68	0.052	8.9	93.8	38.30	3.55	21.6	1.3	14.4	0.04	10.5	<0.001	0.26	1.7	5	0.1	90.8
25	23979	10	5.7	0.23	64.0	16.2	0.14	0.10	0.13	3.0	155.9	14.41	2.27	2.4	6279	0.14	18.6	0.08	148	2.68	0.056	11.6	98.3	32.92	3.52	23.1	1.1	10.4	0.02	6.9	<0.001	0.24	1.0	4	0.1	38.4
26	23980	<5	0.1	1.13	8.9	252.0	0.09	0.80	0.02	4.9	141.6	3.06	2.10	5.9	19	0.49	8.3	0.64	568	0.37	0.135	6.2	735.9	20.11	0.03	0.2	0.4	60.0	0.06	5.2	0.114	0.46	3.1	43	0.1	47.1
27	23981	5	3.9	0.34	61.5	18.4	0.15	0.08	0.22	6.1	137.1	20.02	2.15	3.0	8006	0.17	23.0	0.08	107	2.23	0.054	25.0	236.7	40.84	3.16	22.9	1.6	17.6	0.04	8.3	<0.001	0.28	1.0	5	0.1	28.3
28	23982	5	3.4	0.25	33.1	20.2	0.13	0.10	0.26	4.9	115.9	21.58	1.81	2.9	8893	0.15	22.8	0.08	103	1.72	0.055	20.2	281.8	27.47	2.74	22.7	1.8	13.5	0.04	8.2	<0.001	0.26	1.7	5	0.1	57.7
29	23983	<5	2.6	0.29	28.5	20.4	0.17	0.18	0.25	5.2	133.8	17.18	2.14	2.8	8773	0.17	21.7	0.16	277	2.90	0.054	22.1	205.9	33.81	3.11	18.3	1.5	16.7	0.03	8.6	<0.001	0.26	1.8	6	0.1	57.3
30	23984	395	0.2	0.27	18.6	36.9	1.97	0.30	0.01	0.4	3.4	3.00	0.38	1.3	50	0.05	1.1	0.09	28	0.17	0.151	1.5	291.6	27.37	0.01	0.6	0.2	6.8	0.01	2.4	0.001	0.16	0.9	3	0.1	5.0
QC DATA:																																				
Repeat:																																				
1	23955	5	0.6	0.29	36.0	83.8	0.06	0.11	0.17	11.4	172.3	66.54	1.96	1.5	1754	0.11	4.0	0.53	942	1.12	0.059	38.3	207.8	15.58	1.12	18.1	0.8	9.3	0.03	1.4	0.001	0.23	0.6	19	0.2	85.8
10	23964	20	0.4	0.38	176.9	23.7	0.29	0.02	0.41	5.3	125.2	18.25	1.97	1.3	194700	0.07	3.5	0.01	97	3.98	0.050	18.9	30.7	38.35	3.12	314.1	1.3	27.1	0.08	2.0	<0.001	3.34	1.4	5	1.0	56.1
14	23968	215																																		
16	23970	150																																		
19	23973	40	0.3	0.39	75.2	30.9	0.26	0.02	0.33	2.1	108.2	6.24	1.58	5.8	6214	0.21	50.8	0.06	86	1.77	0.056	5.3	53.6	45.23	2.35	41.5	1.9	4.0	0.05	14.1	<0.001	1.18	1.6	4	0.1	71.8
20	23974	105																																		
Resplit:																																				
1	23955	5	0.6	0.29	37.0	89.5	0.09	0.12	0.15	12.0	163.3	72.98	2.20	1.5	1984	0.12	4.5	0.55	1022	1.05	0.059	39.9	231.2	18.46	1.24	19.0	0.9	9.8	0.03	1.7	0.001	0.18	0.6	19	0.2	88.6
Standard:																																				
OXD43		400																																		
PB113			1.3	1.11	78.33	37.2	0.31	0.65	0.08	11.2	61.4	21.63	1.93	4.8		0.07	105.1	0.54	311	0.58	0.033	31.1	444.3	22.80	0.58	2.1	0.2	12.1	0.02	1.1	0.066	<0.02	1.1	37	<0.1	37.8
Till 3															102																					

JJ/sa
df/7023im
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

6-Jul-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP MSCERTIFICATE OF ANALYSIS AW 2007- 7030

Klondike Star
Box 20116, 1031 Ten Mile Rd
Whitehorse, YT
Y1A 7A2
Attention: Bill Mann

No. of samples received: 66
Sample Type: Core/Rock
Project: Spice
Shipment #: 4
Submitted by: J. Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
		ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1	23985	10	0.9	0.22	20.6	13.3	0.18	0.16	0.21	5.4	82.7	14.79	1.43	2.2	9758	0.13	26.9	0.10	197	1.58	0.024	21.2	220.8	21.05	1.70	12.23	0.6	1.5	13.5	0.04	9.6	<0.001	0.24	2.1	<2	0.1	76.1
2	23986	15	1.2	0.20	32.4	12.0	0.20	0.39	0.19	5.3	77.9	13.00	1.61	1.6	7083	0.12	17.6	0.20	377	2.04	0.022	18.6	147.9	24.59	1.77	11.52	0.7	1.3	25.5	0.04	6.9	<0.001	0.29	1.4	<2	0.1	81.5
3	23987	10	0.4	0.22	56.9	21.6	0.38	0.88	0.18	8.3	60.0	17.22	1.39	1.8	2451	0.15	21.4	0.43	579	0.94	0.025	21.1	171.4	26.43	1.26	12.29	1.8	1.1	31.6	0.04	10.1	<0.001	0.23	2.4	<2	0.1	87.7
4	23988	10	0.3	0.20	55.6	28.7	0.26	2.44	0.23	6.9	69.8	17.77	1.73	1.4	1810	0.15	15.7	1.25	1015	0.77	0.030	16.6	149.4	19.99	1.00	9.53	2.5	0.9	83.2	0.04	8.2	<0.001	0.17	2.5	<2	0.1	94.3
5	23989	5	0.2	0.21	39.2	17.5	0.26	0.33	0.12	3.0	69.6	7.14	1.16	1.9	1318	0.11	22.8	0.21	227	1.33	0.018	11.5	59.6	28.76	1.23	6.71	0.6	1.0	22.7	0.02	10.5	<0.001	0.26	1.7	<2	0.1	62.0
6	23990	10	2.8	0.22	54.3	23.1	0.20	0.62	0.17	6.3	65.2	12.86	1.20	2.1	1338	0.15	25.4	0.30	342	0.87	0.023	15.2	190.8	22.49	1.05	6.87	1.1	1.0	30.2	0.04	10.9	<0.001	0.20	1.8	<2	<0.1	83.7
7	23991	5	0.3	0.20	41.5	26.4	0.23	0.60	0.14	2.9	67.6	6.66	1.01	1.8	1268	0.14	22.2	0.33	361	1.40	0.021	10.0	110.6	25.13	0.89	4.52	0.7	0.9	35.9	0.04	10.4	<0.001	0.17	1.6	<2	<0.1	47.4
8	23992	15	0.4	0.20	58.8	31.8	0.19	1.31	0.12	8.9	104.7	17.96	1.65	1.5	720	0.16	16.3	0.61	552	0.66	0.023	20.6	341.9	16.62	0.90	6.24	1.4	0.8	75.2	0.04	7.6	<0.001	0.16	2.0	<2	<0.1	52.6
9	23993	10	0.1	0.21	19.5	155.8	0.14	0.70	0.12	4.5	74.7	9.60	0.96	1.5	731	0.15	16.7	0.32	317	0.82	0.019	12.0	178.7	27.83	0.27	3.12	1.4	0.8	44.6	0.04	9.3	<0.001	0.18	1.4	<2	<0.1	30.7
10	23994	10	0.2	0.21	22.5	25.1	0.25	1.06	0.04	8.8	82.1	12.28	2.21	1.3	692	0.16	13.2	0.57	543	0.44	0.028	17.4	269.0	16.26	1.01	2.39	1.5	0.7	40.9	0.03	11.0	<0.001	0.13	1.2	2	<0.1	37.8
11	23995	30	0.3	0.25	59.8	28.0	0.25	0.40	0.06	12.4	73.4	14.05	2.31	2.2	608	0.16	26.7	0.38	364	0.38	0.028	22.1	381.2	13.94	0.99	2.97	1.5	1.1	17.7	0.03	13.0	<0.001	0.12	1.5	2	<0.1	86.5
12	23996	15	0.5	0.28	110.7	27.7	0.21	0.26	0.05	15.7	47.1	46.70	2.92	3.0	450	0.19	39.6	0.44	456	0.32	0.032	27.7	358.9	15.89	0.99	2.54	1.6	1.3	15.0	0.06	19.4	<0.001	0.12	2.0	3	<0.1	79.5
13	23997	10	0.1	0.21	15.2	88.1	0.23	1.00	0.02	5.6	105.1	9.43	1.26	1.5	268	0.14	15.7	0.50	356	0.74	0.034	10.1	217.2	17.25	0.31	1.05	0.8	0.6	27.4	0.02	10.6	<0.001	0.07	1.2	<2	<0.1	16.7
14	23998	10	0.1	0.21	17.0	109.1	0.12	0.54	0.05	5.8	91.4	11.97	1.34	1.6	345	0.14	17.8	0.37	381	0.40	0.024	12.6	163.5	13.24	0.27	1.54	1.0	0.6	36.3	0.03	10.0	0.001	0.11	1.0	<2	<0.1	40.1
15	23999	15	0.1	0.19	213.3	79.8	0.19	0.29	0.05	5.2	99.4	11.92	0.90	1.8	269	0.18	21.0	0.20	264	0.68	0.023	11.0	201.9	27.70	0.21	2.55	0.6	0.9	14.3	0.04	12.7	<0.001	0.09	1.7	<2	<0.1	29.0
16	24001	15	<0.1	0.17	8.7	68.7	0.16	0.29	0.02	3.6	134.5	4.89	0.75	1.6	275	0.15	17.3	0.16	214	0.77	0.023	7.9	141.7	19.26	0.12	1.00	0.5	0.6	12.8	0.02	12.1	<0.001	0.08	2.6	<2	<0.1	12.2
17	24002	<5	0.2	0.24	22.1	80.8	0.22	0.40	0.04	8.2	84.8	19.43	1.75	2.1	329	0.15	22.7	0.37	388	0.55	0.026	17.2	246.1	20.31	0.35	1.49	1.3	0.8	19.6	0.03	12.5	<0.001	0.10	1.0	2	<0.1	54.6
18	24003	10	0.2	0.27	40.4	75.9	0.27	0.85	0.04	8.8	80.7	16.67	1.89	1.8	432	0.16	18.0	0.52	488	0.40	0.026	17.8	293.2	22.55	0.40	1.30	2.0	0.8	33.5	0.04	11.3	<0.001	0.09	1.4	4	<0.1	56.3
19	24004	5	0.1	0.33	19.5	64.5	0.18	0.60	0.04	11.3	66.0	22.08	2.50	2.3	676	0.16	25.0	0.57	490	0.31	0.025	23.4	395.7	13.91	0.47	1.29	2.0	0.9	22.5	<0.02	14.9	<0.001	0.09	1.4	5	<0.1	68.4
20	24005	5	0.2	0.21	12.5	175.3	0.16	1.42	0.07	5.6	110.6	13.76	1.46	1.4	420	0.14	14.4	0.75	493	0.47	0.025	12.0	135.1	40.23	0.23	0.72	1.6	0.6	78.8	0.03	7.8	<0.001	0.08	1.2	2	0.1	55.5
21	24006	<5	<0.1	0.28	10.0	120.1	0.22	0.81	0.03	8.2	82.7	13.72	1.96	2.3	671	0.15	27.7	0.63	370	0.31	0.026	16.0	230.7	13.26	0.11	0.42	1.7	0.9	41.2	0.05	12.0	<0.001	0.08	1.2	4	<0.1	40.5
22	24007	5	0.2	0.34	15.7	119.8	0.29	0.57	0.02	10.7	64.4	28.05	2.80	2.7	583	0.17	31.1	0.68	403	0.34	0.027	24.1	385.6	16.66	0.33	0.73	1.9	1.0	33.6	0.04	15.2	<0.001	0.09	1.9	5	<0.1	71.6
23	24008	<5	0.1	0.20	23.4	81.6	0.15	0.67	0.03	7.3	81.0	12.79	1.64	1.4	322	0.14	14.9	0.44	374	0.34	0.024	14.2	234.7	16.89	0.30	0.67	1.6	0.6	38.3	0.04	9.0	<0.001	0.08	1.5	2	<0.1	43.3
24	24009	5	0.2	0.25	34.9	92.6	0.20	0.76	0.04	9.3	64.7	17.52	1.96	2.0	229	0.15	23.4	0.49	443	0.38	0.025	18.8	301.8	14.05	0.29	0.76	1.7	0.8	31.8	0.03	14.3	<0.001	0.07	2.1	3	<0.1	50.3
25	24010	<5	0.2	0.23	22.4	87.8	0.17	1.02	0.03	7.3	85.8	19.82	1.72	1.9	254	0.15	21.2	0.48	459	0.36	0.027	15.5	280.7	13.60	0.34	0.65	1.4	0.8	39.2	0.04	12.2	<0.001	0.07	1.6	3	<0.1	35.4
26	24011	<5	0.1	0.21	11.3	99.9	0.14	0.88	0.02	4.8	97.2	11.34	1.12	1.5	221	0.16	16.0	0.48	427	0.43	0.025	10.2	178.3	10.64	0.23	0.34	1.0	0.7	40.0	0.02	9.8	<0.001	0.07	0.9	<2	<0.1	16.5
27	24012	<5	0.1	0.29	16.5	111.9	0.19	1.04	0.03	9.0	78.3	20.32	2.00	2.6	349	0.16	34.1	0.54	461	0.30	0.027	19.4	366.9	15.94	0.36	0.45	1.6	1.0	51.1	0.03	15.7	<0.001	0.08	1.7	4	<0.1	43.2
28	24013	400	0.1	0.20	12.8	39.4	1.60	0.33	0.01	0.3	2.5	2.76	0.29	1.0	13	0.03	0.9	0.05	23	0.17	0.096	0.9	291.2	18.84	0.05	0.42	0.5	0.1	5.7	<0.02	2.2	0.001	0.12	0.9	2	<0.1	4.2
29	24014	<5	<0.1	0.91	3.4	218.3	0.04	0.72	0.01	5.1	126.7	2.26	1.92	4.0	5	0.39	6.5	0.54	562	0.31	0.099	5.8	693.6	23.67	0.10	0.03	1.9	0.2	52.3	0.02	3.8	0.087	0.30	2.3	32	<0.1	41.4
30	24015	<5	<0.1	0.30	13.3	83.0	0.12	0.87	0.05	7.5	76.6	19.93	2.14	2.6	189	0.22	22.4	0.54	803	0.43	0.035	15.0	334.9	24.55	0.89	0.59	1.4	1.2	43.2	0.02	11.5	0.001	0.10	1.3	4	0.1	34.4
31	24016	<5	0.3	0.33	22.9	144.0	0.63	1.33	0.07	9.8	127.0	16.93	2.71	2.7	407	0.24	21.8	0.77	798	0.60	0.034	19.7	473.1	43.16	0.88	0.70	2.1	1.2	54.6	0.04	13.3	<0.001	0.12	1.9	6	0.1	52.5
32	24017	<5	0.2	0.35	34.3	78.6	0.26	0.98	0.18	13.1	123.1	32.65	2.85	2.6	445	0.26	18.4	0.76	986	0.58	0.036	23.8	386.1	34.69	1.36	0.99	2.5	1.3	54.8	0.06	13.3	<0.001	0.10	2.2	6	0.1	127.9
33	24018	<5	0.6	0.27	64.2	43.7	0.15	1.27	0.40	4.9	49.9	48.20	1.91	2.3	631	0.21	21.3	0.69	1174	1.27	0.031	3.6	349.1	115.90	2.30	1.51	1.7	1.8	44.2	0.06	11.1	<0.001	0.13	1.8	3	<0.1	181.0
34	24019	10	0.7	0.27	159.2	28.0	0.34	0.52	0.40	4.0	76.5	18.38	1.51	2.2	571	0.21	19.4	0.31	554	0.82	0.028	5.0	244.2	177.10	2.39	2.49	1.1	1.9	28.9	0.06	6.8	<0.001	0.15	1.2	2	<0.1	164.6
35	24020	5	0.3	0.29	44.4	58.5	0.20	0.48	0.08	12.0	118.4	34.59	2.75	2.4	556	0.19	16.6	0.66	794	1.05	0.029	26.4	113.2	20.08	1.35	1.30	3.5	1.4	32.2	0.07	9.3	<0.001	0.09	2.4	14	<0.1	78.8
36	24021	5	0.8	0.28	20.8	35.7	0.12	0.48	0.52	12.2	132.8	80.75	2.73	1.7	542	0.18	7.8	0.77	568	2.03	0.030	45.9	375.0	6.15	2.11	1.15	2.8	3.3	27.1	0.10	3.5	0.001	0.06	1.3	24	0.1	124.7
37	24022	5	0.7	0.24	21.8	59.1	0.09	1.11	0.29	12.2	125.3	60.29	3.28	1.2	638	0.09	3.2	1.44	1141	2.16	0.029	42.9	67.6	6.50	1.48	1.17	6.2	2.0	26.8	0.07	1.2	0.001	0.05	0.7	53	0.1	82.5
38	24023	10	0.9	0.23	40.2	27.6	0.10	1.23	0.31	10.4	177.3	70.36	3.10	1.2	415	0.11	3.1	1.39	1151	2.25	0.029	43.0	85.3	22.55	2.57	1.75	4.3	2.1	44.6	0.15	1.0	0.001	0.06	0.6	32	0.1	100.5
39	24024	<5	0.7	0.18	21.9	63.2	0.11	1.21	0.18	5.9	178.4	30.10	2.07	1.1	684	0.10	4.7	0.96	873	1.44	0.030	26.2	157.2	13.81	1.52	3.68	2.6	1.7	50.1	0.05	2.3	0.001	0.09	0.6	18	1.2	54.7
40	24025	<5	0.4	0.24	23.5	56.4	0.17	0.90	0.42	8.3	161.7	43.26	2.46	1.2	383	0.16	4.2	0.98	771	3.01	0.030	37.9	249.5	23.61	1.84	1.55	2.9	1.7	41.5	0.07	2.9	<0.001	0.05	0.8	22	0.1	94.8

ECO TECH LABORATORY LTD.									ICP MSCERTIFICATE OF ANALYSIS AW 2007-7030														Klondike Star														
		Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Et #.	Tag #	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
41	24026	<5	0.3	0.25	17.8	66.9	0.16	0.90	0.34	9.2	134.5	42.44	2.54	1.5	576	0.15	7.3	1.00	842	2.46	0.029	28.3	262.8	10.54	1.37	1.31	3.7	1.7	27.6	0.07	3.2	0.001	0.07	1.1	27	<0.1	95.0
42	24027	<5	0.2	0.48	21.6	172.3	<0.02	2.19	0.10	24.5	54.2	9.41	6.40	2.0	1342	0.12	6.0	2.57	2049	0.61	0.029	15.3	589.3	3.67	0.65	1.42	16.5	1.1	45.6	0.02	1.1	0.001	0.08	2.4	98	<0.1	87.8
43	24028	<5	0.3	0.18	29.9	123.0	0.07	0.93	0.11	8.9	191.8	42.71	1.77	1.3	321	0.09	4.2	0.74	1756	1.48	0.029	30.7	141.0	5.90	0.90	1.38	2.2	1.0	25.8	0.03	1.5	0.001	0.04	1.0	14	0.1	36.1
44	24029	<5	0.3	0.28	22.6	98.6	0.15	0.68	0.07	11.9	188.0	57.56	2.38	1.9	460	0.17	10.6	0.80	1862	1.71	0.031	33.7	103.8	6.28	1.04	1.32	2.6	1.0	19.7	0.08	3.9	0.001	0.06	1.1	13	0.1	44.1
45	24030	5	0.6	0.25	30.9	33.3	0.30	1.46	1.60	9.3	148.3	86.00	2.44	1.6	797	0.16	7.7	0.98	1492	5.29	0.034	53.6	697.3	15.21	2.51	2.23	2.3	4.9	48.9	0.13	3.2	0.001	0.04	3.8	25	<0.1	256.2
46	24031	<5	0.4	0.18	23.3	67.3	0.10	1.05	0.22	7.9	175.7	41.61	1.85	1.1	414	0.11	3.1	0.83	1308	1.33	0.030	29.4	159.7	5.62	1.41	1.84	2.1	2.2	32.4	0.07	1.4	0.001	0.04	0.9	15	0.1	48.4
47	24032	410	<0.1	0.26	15.1	38.8	1.57	0.36	0.01	0.3	2.8	2.92	0.37	1.2	19	0.06	1.1	0.08	26	0.22	0.128	1.2	279.6	14.49	0.07	0.56	0.7	0.2	7.4	<0.02	2.5	0.001	0.15	1.0	3	0.1	5.9
48	24033	<5	0.4	0.21	22.0	39.2	0.17	1.26	0.55	9.8	136.9	47.23	2.44	1.1	555	0.10	2.1	1.13	999	3.89	0.028	27.6	203.4	14.53	1.53	1.83	3.1	1.7	46.4	0.06	1.3	0.000	0.04	1.2	30	<0.1	102.4
49	24034	<5	0.1	0.60	12.6	369.9	<0.02	3.23	0.27	27.0	54.2	15.05	5.19	2.0	1281	0.15	3.7	3.13	1229	0.46	0.029	15.7	263.1	2.90	0.55	0.87	20.2	1.2	94.3	0.02	0.7	0.001	0.07	1.8	97	<0.1	84.6
50	24035	<5	<0.1	0.99	4.8	245.0	0.05	0.77	0.02	4.6	134.4	2.94	2.00	5.7	7	0.40	8.3	0.59	553	0.44	0.120	6.5	739.0	23.69	0.12	0.03	2.1	0.5	60.2	0.02	4.4	0.110	0.35	2.9	38	0.1	56.2
51	24036	<5	<0.1	0.45	8.5	844.9	<0.02	8.40	0.32	23.3	47.7	4.03	6.08	1.8	1171	0.06	7.5	5.61	1956	0.24	0.036	13.2	152.5	2.78	0.37	0.79	17.7	1.2	151.6	<0.02	0.5	0.001	0.05	0.8	100	<0.1	65.1
52	24037	<5	0.2	1.55	10.2	430.0	<0.02	1.95	0.49	31.8	80.8	9.88	5.57	4.9	1926	0.10	7.6	2.91	1121	0.30	0.037	18.2	441.8	3.48	0.49	0.58	25.2	1.5	57.8	<0.02	1.3	0.002	0.06	0.3	118	<0.1	95.1
53	24038	<5	0.1	1.74	14.4	285.5	<0.02	2.06	0.42	27.4	60.3	9.13	5.11	5.4	2946	0.12	6.4	3.29	1151	0.57	0.033	16.0	462.9	3.68	0.55	0.44	18.0	1.6	45.9	0.02	1.0	0.002	0.05	0.3	105	<0.1	93.8
54	24039	5	0.3	0.32	29.7	45.2	0.16	1.18	0.85	12.7	111.1	42.52	3.10	1.8	431	0.17	8.1	1.53	812	3.62	0.031	33.1	437.6	35.34	1.72	1.38	4.3	3.1	22.4	0.10	3.7	0.001	0.05	1.5	39	<0.1	146.0
55	24041	5	0.8	0.34	48.4	25.4	0.22	1.29	2.41	8.8	120.7	80.81	2.47	1.8	873	0.14	5.5	1.00	792	7.35	0.032	62.7	1245.0	199.60	2.85	2.73	2.7	7.4	64.3	0.16	2.5	0.001	0.05	2.5	50	0.1	374.6
56	24042	<5	0.4	0.24	29.4	62.6	0.11	1.20	0.40	8.6	169.3	52.74	2.38	1.2	587	0.10	2.0	1.16	1517	1.50	0.029	38.7	220.5	17.65	1.53	4.35	3.8	2.2	65.0	0.07	1.7	0.001	0.17	0.7	32	<0.1	97.9
57	24043	<5	0.6	0.24	23.8	51.9	0.16	0.26	1.28	7.3	143.1	65.90	2.05	1.3	1093	0.11	3.2	0.49	810	4.01	0.027	41.6	182.9	97.26	1.54	2.92	2.3	3.0	39.2	0.07	1.8	0.001	0.04	1.4	32	0.1	218.6
58	24044	<5	0.3	0.20	20.5	174.6	0.09	0.05	0.14	6.3	183.9	42.84	1.92	1.0	1654	0.10	3.2	0.41	1131	1.73	0.031	30.0	241.1	6.33	0.87	5.53	1.7	0.9	44.0	0.08	1.4	0.001	0.06	0.7	18	0.1	41.8
59	24045	5	0.4	0.23	39.4	33.2	0.21	0.07	2.18	5.7	157.1	50.06	2.11	1.0	2161	0.11	2.7	0.59	498	8.32	0.032	60.7	497.0	11.03	2.21	33.65	2.0	3.5	103.0	0.14	1.2	0.001	0.06	3.6	43	0.1	215.5
60	24046	5	0.4	0.20	32.1	33.8	0.16	0.05	1.74	5.3	173.5	43.28	1.74	0.8	1987	0.10	2.3	0.42	336	6.21	0.030	55.6	375.7	9.24	1.97	29.60	1.6	3.3	79.8	0.08	1.0	0.001	0.05	2.6	31	0.1	159.9
61	24047	415	<0.1	0.25	15.6	39.9	1.60	0.15	0.35	0.3	2.9	2.66	0.36	1.2	20	0.06	1.1	0.07	26	0.15	0.128	1.2	268.9	15.49	0.08	0.56	0.6	0.2	7.4	<0.02	3.1	0.001	0.16	1.0	3	0.1	6.1
62	24048	<5	<0.1	0.96	4.6	244.5	0.05	0.36	0.86	5.3	126.8	2.78	1.93	5.7	9	0.48	8.1	0.57	534	0.44	0.121	6.1	720.3	24.50	0.12	0.05	2.3	0.5	60.6	<0.02	5.0	0.105	0.36	3.0	37	0.3	49.6
63	24049	<5	<0.1	0.80	10.3	452.3	<0.02	2.09	0.35	36.7	64.6	7.47	5.58	3.3	5411	0.16	7.2	3.00	1155	0.23	0.036	22.4	603.7	2.84	0.37	0.74	29.7	1.4	85.9	0.03	1.5	0.001	0.11	1.2	119	<0.1	125.2
64	24050	5	0.1	0.62	8.0	356.3	<0.02	1.31	0.25	14.8	160.6	16.03	2.53	1.9	886	0.05	2.5	1.59	566	0.55	0.029	12.0	121.9	1.81	0.40	0.53	5.8	1.1	34.7	<0.02	0.3	0.002	0.03	0.2	41	<0.1	74.5
65	24051	5	0.1	4.38	5.1	106.6	0.16	0.47	0.58	13.1	93.7	59.21	4.78	14.4	22	2.30	7.1	4.03	157	0.52	0.142	30.4	605.7	15.49	1.00	0.05	9.0	1.8	38.1	0.02	6.8	0.164	0.62	1.2	60	<0.1	226.2
66	24052	<5	0.4	0.15	10.9	566.9	<0.02	0.10	1.30	1.0	205.7	48.76	0.47	1.1	87	0.05	0.7	0.01	29	2.28	0.032	27.3	635.5	2.34	0.21	11.39	0.3	5.3	56.6	0.04	0.3	0.001	0.08	1.1	107	<0.1	117.4
QC DATA:																																					
Repeat:																																					
1	23985	15	0.9	0.19	19.4	13.8	0.18	0.15	0.21	5.2	76.4	14.25	1.38	2.1	9877	0.12	26.9	0.09	189	1.53	0.020	20.1	203.9	22.29	1.57	12.80	0.6	1.5	13.4	0.03	9.9	<0.001	0.21	2.2	<2	<0.1	73.7
10	23994	10	0.2	0.19	21.6	23.6	0.23	0.95	0.03	8.1	73.6	10.99	2.00	1.2	617	0.14	11.5	0.52	488	0.40	0.027	15.7	244.2	15.02	0.91	2.18	1.3	0.5	36.7	0.03	9.8	<0.001	0.11	1.1	<2	<0.1	35.3
19	24004	5	0.1	0.34	20.8	69.8	0.19	0.63	0.04	11.9	68.3	23.93	2.65	2.4	683	0.16	26.3	0.60	517	0.33	0.029	24.8	430.1	15.11	0.49	1.37	2.1	1.0	23.8	0.03	16.1	<0.001	0.09	1.5	5	<0.1	69.1
36	24021	5	0.9	0.31	22.4	33.0	0.12	0.49	0.52	12.5	136.5	81.14	2.80	2.0	548	0.19	8.7	0.78	582	2.09	0.033	46.8	385.0	5.96	2.18	1.20	2.9	3.5	30.2	0.07	4.0	0.001	0.06	1.5	25	0.1	124.7
45	24030	<5	0.6	0.24	30.2	31.3	0.28	1.40	1.56	9.1	146.9	84.27	2.34	1.7	780	0.16	8.0	0.94	1427	5.12	0.033	52.9	663.4	15.09	2.42	2.13	2.3	4.8	48.0	0.07	3.2	0.001	0.04	3.8	26	<0.1	246.4
54	24039	5	0.4	0.35	31.2	46.0	0.16	1.25	0.95	12.8	116.7	43.37	3.21	1.9	447	0.18	8.8	1.58	839	3.60	0.033	33.5	463.0	36.79	1.79	1.38	4.5	3.1	23.7	0.08	3.9	0.001	0.06	1.6	42	<0.1	151.7
Resplit:																																					
1	23985	5	0.8	0.21	22.4	14.0	0.17	0.13	0.20	5.1	79.4	14.15	1.64	2.7	9695	0.15	26.6	0.10	200	1.54	0.026	21.2	231.0	21.99	3.12	13.98	0.6	1.8	13.1	<0.02	10.3	<0.001	0.20	2.3	2	0.1	73.4
36	24021	5	1.0	0.30	24.2	35.3	0.12	0.46	0.55	12.8	157.1	80.93	2.84	1.9	553	0.19	8.5	0.80	567	1.84	0.032	47.0	352.3	5.62	2.20	1.16	2.9	3.5	27.0	0.13	3.9	0.001	0.06	1.5	25	0.2	135.0
Standard:																																					
OXD43		405																																			
OXD43		405																																			
Till3			1.4	0.96	83.4	42.8	0.20	0.64	0.10	11.8	62.0	22.11	1.90	4.4	101	0.06	9.7	0.50	309	0.57	0.046	29.5	411.3	25.97	0.02	0.57	2.1	0.2	12.5	<0.02	1.0	0.060	0.04	0.9	35	<0.1	42.6
Till3			1.5	0.92	83.2	40.3	0.21	0.62	0.11	11.5	67.5	21.88	1.95	4.5	99	0.06	9.6	0.55	307	0.65	0.041	29.4	421.2	25.88	0.02	0.59	2.2	0.2	11.5	0.02	1.1	0.054	0.04	0.8	36	0.1	44.5

Au 30g FA AA Finish

ICP - Aqua Regia / ICP - MS Finish

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/7030im
XLS/07

6-Jul-07

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2007-7031

Klondike Star
Box 20116, 1031 Ten Mile Rd
Whitehorse, YT
Y1A 7A2
Attention: Bill Mann

No. of samples received: 110
Sample Type: Core
Project Name: Spice
Submitted by: J. Pautter
Shipment #: 5

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	24053	<5	<0.1	0.17	8.5	175.4	0.06	0.01	0.07	0.6	223.3	5.31	0.37	1.5	1406	0.11	7.0	0.02	27	2.05	0.030	5.0	37.7	5.21	0.15	4.74	0.4	0.6	4.5	0.04	1.9	0.001	0.09	0.3	7	<0.1	15.1
2	24054	<5	0.2	0.27	16.9	103.5	<0.02	0.01	0.02	0.6	125.5	4.45	0.72	2.4	4438	0.22	16.6	0.01	22	0.98	0.031	3.5	30.3	14.85	1.00	5.40	0.3	1.1	8.8	0.01	6.0	0.001	0.19	0.9	2	0.3	8.6
3	24055	<5	<0.1	0.30	16.2	139.6	<0.02	0.01	0.01	0.4	128.4	3.94	0.61	2.5	5192	0.25	18.0	0.01	16	0.94	0.032	3.0	46.1	19.20	0.63	8.18	0.3	1.2	11.8	0.02	6.5	0.001	0.26	0.9	2	<0.1	4.4
4	24056	5	<0.1	0.31	20.0	139.4	0.02	0.01	0.02	0.5	144.2	3.33	0.59	2.5	4720	0.25	15.0	0.01	18	1.14	0.030	3.5	33.3	15.44	0.69	7.05	0.3	1.0	6.9	0.02	6.9	0.001	0.37	1.0	3	<0.1	5.8
5	24057	<5	<0.1	0.40	16.2	243.9	0.09	0.01	0.02	0.3	71.3	4.25	0.43	3.4	1624	0.29	20.8	0.03	13	1.07	0.030	2.0	57.9	23.86	0.33	7.26	0.3	1.1	8.7	0.02	10.4	<0.001	0.26	1.0	3	0.1	6.6
6	24058	<5	<0.1	0.41	17.2	192.6	0.25	0.02	0.03	0.4	78.6	5.17	0.69	3.5	3090	0.32	16.0	0.02	16	1.87	0.026	2.4	73.3	40.12	0.48	6.78	0.4	1.0	13.2	0.02	11.2	<0.001	0.44	1.8	3	<0.1	8.9
7	24059	<5	<0.1	1.03	4.3	241.6	0.06	0.52	0.02	4.4	120.9	2.47	1.97	5.8	54	0.49	8.8	0.62	549	0.40	0.125	5.7	735.9	16.12	0.13	0.03	2.4	0.5	52.7	0.00	5.0	0.113	0.36	3.3	38	<0.1	50.0
8	24060	5	<0.1	0.37	18.6	147.4	0.20	0.01	0.03	0.7	115.4	16.11	0.65	4.0	2629	0.25	14.2	0.02	21	1.98	0.029	3.1	67.4	39.97	0.62	7.20	1.7	1.1	9.4	0.04	25.4	<0.001	0.40	3.2	3	<0.1	6.5
9	24061	75	<0.1	0.34	230.8	35.4	0.27	0.01	0.16	2.1	89.8	49.16	1.26	4.1	5217	0.20	15.8	0.01	34	1.18	0.027	4.9	54.3	22.65	2.34	16.55	2.3	1.5	8.5	0.02	24.0	<0.001	0.30	1.6	3	<0.1	68.2
10	24062	415	<0.1	0.27	5.4	40.8	1.65	0.27	0.01	0.4	3.1	2.97	0.39	1.3	26	0.06	1.2	0.08	27	0.22	0.134	1.2	298.1	16.14	0.12	0.57	0.7	0.2	7.6	0.01	2.8	0.001	0.16	1.0	4	0.1	6.0
11	24063	120	0.2	0.36	175.4	26.8	0.21	0.01	0.13	3.0	147.8	52.92	1.59	3.5	5027	0.20	9.6	0.01	30	1.49	0.027	10.8	70.6	25.34	2.90	18.03	2.4	1.6	11.0	0.04	17.0	<0.001	0.51	1.5	3	<0.1	52.0
12	24064	120	0.2	0.24	75.1	49.2	0.16	0.01	0.12	1.2	92.8	15.56	0.79	2.5	3712	0.17	8.6	0.01	20	1.27	0.021	2.9	40.5	21.13	1.30	9.83	0.9	1.1	6.1	0.02	13.5	<0.001	0.36	1.1	2	0.1	32.6
13	24065	115	<0.1	0.27	83.4	68.4	0.16	0.01	0.04	1.1	116.5	14.71	0.85	3.1	3531	0.22	16.5	0.01	27	1.11	0.032	3.1	47.4	23.44	1.33	10.76	0.6	1.5	7.2	0.02	15.6	0.001	0.34	1.6	2	0.1	13.5
14	24066	190	0.3	0.32	132.9	41.3	0.24	0.01	0.04	1.4	111.6	19.45	1.11	3.5	3720	0.23	17.5	0.01	30	0.92	0.029	3.0	61.5	31.11	2.02	15.79	0.9	1.7	7.6	0.02	18.6	0.001	0.45	1.9	2	<0.1	18.2
15	24067	125	<0.1	0.30	96.6	76.7	0.22	0.01	0.07	1.6	121.7	27.71	0.76	4.0	3413	0.22	22.5	0.01	27	1.06	0.030	3.4	69.7	24.63	1.25	11.42	0.7	1.8	9.6	0.01	18.4	<0.001	0.32	1.9	2	<0.1	49.1
16	24068	175	0.1	0.28	128.2	50.2	0.25	0.01	0.06	1.6	111.1	24.78	0.97	3.7	5068	0.21	21.0	0.01	27	2.20	0.031	3.7	55.9	29.23	1.69	15.25	0.8	1.9	5.8	0.01	18.6	0.001	1.17	2.0	2	<0.1	34.5
17	24069	90	0.1	0.35	96.1	42.2	0.25	0.04	0.08	1.6	110.2	19.18	1.10	6.4	4483	0.22	46.9	0.01	28	2.04	0.030	3.6	113.7	29.84	2.05	13.38	0.8	3.6	6.5	0.02	18.9	<0.001	0.60	2.3	2	<0.1	71.8
18	24070	90	0.2	0.39	148.5	22.8	0.27	0.04	0.40	4.1	72.6	6.89	1.87	3.6	6682	0.19	27.8	0.01	21	1.64	0.030	9.8	193.9	29.34	3.64	17.27	0.7	2.1	14.1	0.04	14.0	<0.001	0.61	3.0	3	<0.1	105.2
19	24071	75	0.2	0.38	102.3	24.1	0.22	0.02	0.13	3.0	123.4	6.85	1.70	2.9	5309	0.20	18.8	0.01	70	1.79	0.027	7.7	243.2	31.45	3.57	12.72	0.8	1.8	11.2	0.03	13.7	<0.001	0.55	2.1	4	<0.1	26.0
20	24072	40	0.4	0.32	316.3	21.2	0.15	0.04	0.45	7.9	167.7	49.09	1.97	1.7	3285	0.19	9.0	0.02	29	2.42	0.037	41.8	284.8	11.96	3.96	35.98	0.8	2.4	10.9	0.08	3.6	0.001	0.60	1.6	8	<0.1	78.7
21	24073	20	0.3	0.34	168.0	32.7	0.22	0.03	1.01	9.2	208.2	67.01	1.52	1.6	3696	0.21	7.5	0.02	33	2.02	0.034	40.6	206.1	7.99	2.95	32.84	0.9	1.9	9.5	0.07	2.3	0.001	0.38	1.2	13	0.1	94.9
22	24074	5	0.3	0.44	64.7	24.9	0.20	0.07	0.59	10.8	142.6	53.94	1.47	1.7	3733	0.20	9.4	0.02	27	3.01	0.031	49.5	462.2	12.23	3.02	28.45	1.2	2.1	27.4	0.06	2.9	0.001	0.19	2.0	13	<0.1	104.4
23	24075	5	0.4	0.28	57.1	17.0	0.15	0.05	2.71	4.4	186.9	53.37	2.26	1.5	2279	0.16	7.0	0.02	22	10.72	0.033	19.9	259.9	12.09	4.60	30.65	0.8	3.4	11.4	0.12	1.4	0.001	0.26	1.2	38	<0.1	39.6
24	24076	5	0.2	0.66	116.5	29.6	0.19	0.06	1.02	11.3	201.2	54.53	1.67	1.5	4006	0.21	7.2	0.03	172	1.73	0.035	42.7	510.7	8.61	2.93	23.04	1.2	1.1	20.7	0.07	2.9	0.001	0.27	0.9	15	0.1	77.0
25	24077	5	0.1	0.76	47.3	58.7	0.11	0.04	0.56	9.5	176.6	59.18	1.42	1.8	2896	0.27	8.9	0.09	363	1.35	0.035	39.3	244.7	6.59	1.72	24.02	1.8	1.1	14.9	0.03	3.8	0.001	0.16	1.4	19	<0.1	97.3
26	24078	5	0.3	0.49	54.0	25.8	0.17	0.06	0.46	9.2	177.5	46.32	1.57	1.7	3019	0.19	8.2	0.03	95	2.39	0.032	37.3	346.8	11.71	2.92	23.85	1.0	1.7	27.0	0.04	2.7	0.001	0.18	1.9	10	<0.1	95.5
27	24079	<5	<0.1	0.54	25.7	29.3	0.37	0.06	0.36	3.0	79.7	3.76	1.24	2.9	9334	0.28	20.0	0.02	21	1.41	0.029	8.0	155.1	27.80	2.61	5.46	0.9	1.5	10.5	0.01	15.3	<0.001	0.33	3.8	4	<0.1	73.5
28	24081	10	0.1	0.47	40.9	33.1	0.48	0.06	0.38	9.2	107.9	37.37	1.47	4.1	4533	0.27	33.8	0.02	32	1.83	0.030	26.0	314.1	32.09	2.95	19.18	1.0	2.3	11.7	0.03	14.3	<0.001	0.32	2.8	5	<0.1	57.3
29	24082	10	0.3	0.97	82.4	36.0	0.31	0.08	0.39	12.4	147.6	61.62	1.44	2.3	2087	0.25	13.3	0.07	246	3.26	0.035	55.3	445.1	19.50	2.44	19.74	2.3	1.9	39.3	0.13	5.5	<0.001	0.22	1.9	15	<0.1	83.7
30	24083	410	<0.1	0.31	5.1	37.5	1.76	0.28	0.01	0.4	3.5	3.08	0.42	1.3	20	0.07	1.1	0.09	29	0.17	0.143	1.5	303.1	17.87	0.10	0.55	0.9	0.2	7.5	0.00	3.3	0.001	0.15	1.1	5	0.1	6.8
31	24084	<5	<0.1	1.28	4.4	246.3	0.06	0.49	0.01	5.1	134.1	3.26	2.15	6.4	55	0.57	9.1	0.63	603	0.37	0.170	7.2	699.8	23.45	0.12	0.05	2.8	0.7	56.1	0.01	4.9	0.139	0.36	3.0	44	<0.1	53.6
32	24085	50	0.2	0.45	41.6	54.1	0.19	0.03	0.21	15.9	169.0	54.70	1.19	1.4	1582	0.22	3.9	0.05	119	3.81	0.034	44.6	163.9	10.09	1.96	13.46	1.3	1.5	9.8	0.19	2.5	0.001	0.13	2.4	21	<0.1	99.8
33	24086	55	0.1	0.40	35.2	90.5	0.18	0.04	0.13	6.0	163.2	69.49	1.00	1.4	1589	0.22	5.6	0.06	163	3.02	0.034	33.8	154.9	18.63	1.41	11.96	1.3	1.9	15.0	0.32	3.8	0.001	0.19	2.1	13	<0.1	98.1
34	24087	55	0.2	0.38	25.9	123.4	0.27	0.04	0.12	4.1	173.8	65.15	0.89	1.4	1335	0.24	5.1	0.05	116	5.73	0.040	22.1	125.3	9.14	1.10	11.23	1.1	2.0	12.2	0.10	3.4	0.001	0.16	1.8	14	<0.1	85.5
35	24088	20	0.2	0.37	18.9	172.6	0.26	0.02	0.16	3.6	161.2	60.56	0.83	1.3	1198	0.20	3.8	0.08	172	3.24	0.032	22.6	61.6	9.62	0.61	9.26	1.2	1.1	10.8	0.08	2.4	0.001	0.09	1.3	16	0.1	107.3
36	24089	5	0.1	0.25	23.2	41.9	1.50	0.02	0.27	7.0	120.4	45.49	1.20	1.9	2751	0.19	10.7	0.07	522	2.25	0.031	22.0	66.2	16.89	1.65	17.63	1.0	1.3	8.2	0.04	5.3	<0.001	0.16	1.6	5	<0.1	58.7
37	24090	10	0.1	0.29	20.5	97.2	0.25	0.02	0.08	3.5	157.9	74.59	0.84	1.2	1497	0.20	3.7	0.05	146	3.47	0.040	22.7	54.9	9.68	1.02	15.47	1.0	1.1	8.1	0.11	2.4	0.001	0.12	1.1	12	0.1	82.7
38	24091	10	<0.1	0.27	16.9	149.2	0.21	0.02	0.07	2.2	128.1	30.59	0.55	1.1	974	0.19	3.9	0.05	60	3.78	0.034	17.0	80.1	9.62	0.57	8.05	0.8	0.8	6.9	0.10	2.3	0.001	0.12	0.8	11	<0.1	52.1
39	24092	15	<0.1	0.29	14.9	113.7	0.18	0.03	0.19	3.2	170.6	49.01	0.83	1.2	879	0.21	3.9	0.09	134	2.13	0.037	22.0	118.4	7.68	0.78	7.06	1.0	0.8	9.7	0.09	2.4	0.001	0.10	1.1	11	<0.1	74.4
40	24093	15	0.3	0.30	22.9	69.8	0.16	0.06	0.26	6.6	151.8	51.75	1.35	1.4	1557	0.22	5.1	0.12	225	2.33	0.038	31.5	174.4	9.09	1.77	10.73	1.2	1.5	11.4	0.12	2.9	0.001	0.12	1.2	11	0.1	90.2
41	24094	10	0.1	0.32	41.1	27.3	0.29	0.76	0.22	11.7	134.5	38.31	2.81	1.6	2388	0.21	7.1	0.58	753	1.94	0.037	37.7	403.5	16.39	4.17	23.22	2.7	1.6	45.9	0.07	3.4	<0.001	0.22	1.1	9	<0.1	81.3
42	24095	5	0.1	0.33	15.0	57.3	0.15	0.51	0.05	11.2	89.9	17.32	2.85	2.0	1599	0.24	14.1	0.59	1011	0.76	0.036	24.8	339.3	14.46	1.52	12.97	2.1	1.0	30.1	0.00	7.5	<0.001	0.14	1.1	4	0.1	78.6
43	24096	70	1.0	0.27	190.0	5.1	0.11	0.19	0.23	8.1	146.7	47.40	8.22	1.0	7793	0.13	1.8	0.08	291	2.42	0.034	39.4	481.9	11.45	17.28	39.86	1.9	3.1	14.4	0.10	0.7	0.001	0.86	0.8	9	0.1	59.2
44	24097	80	1.3	0.24	257.7	6.3	0.11	0.08	0.23	11.5	155.6	60.07	6.36	1.1	3678	0.15	2.9	0.03	136	2.84	0.034	40.7	494.9	8.71	13.24	49.79	1.1	1.8	12.0	0.11	0.9	0.001	0.85	0.6	7	0.1	71.3
45	24098	95	1.3	0.21	349.9	6.5	0.10	0.05	0.13	9.1	174.8	46.50	6.62	0.9	3943	0.13	2.2	0.02	82	2.08	0.030	29.7	262.6	7.50	13.73	57.81	0.9	1.4	8.5	0.09	0.7	0.001	1.33	0.5	6	0.1	41.4

ECO TECH LABORATORY LTD.												ICP CERTIFICATE OF ANALYSIS AK 2007-7031																	Klondike Star						
		Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Et #.	Tag #	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
46	24099	120	2.0	0.23	452.1	5.8	0.07	0.05	0.12	10.8	188.8	47.40	7.74	1.0	4792	0.16	2.8	0.03	133	1.70	0.038	33.1	309.9	5.78	16.08	60.57	0.9	1.6	6.8	0.06	0.8	0.001	2.26	0.5	6	0.1	24.7
47	24100	120	2.3	0.19	411.1	4.6	0.07	0.04	0.09	9.5	143.1	48.57	8.05	0.8	5547	0.13	1.9	0.02	109	1.82	0.031	28.9	235.3	8.13	17.02	67.38	0.9	1.7	6.7	0.15	0.6	0.001	1.94	0.4	5	0.1	17.2
48	24101	<5	<0.1	1.10	4.1	227.0	0.04	0.77	0.01	4.6	121.1	2.66	1.99	5.5	77	0.51	6.7	0.68	548	0.35	0.137	6.0	644.8	23.59	0.11	0.10	2.2	0.4	61.0	0.01	3.8	0.114	0.38	2.5	39	<0.1	53.1
49	24102	80	0.6	0.24	196.8	11.3	0.13	0.19	0.79	7.6	148.8	40.49	6.65	1.0	4269	0.14	2.3	0.03	66	2.86	0.030	39.7	1257.0	7.73	14.10	37.87	1.1	3.7	21.7	0.08	0.7	0.001	0.81	0.9	14	0.1	55.6
50	24103	75	0.5	0.26	238.9	7.6	0.17	0.21	1.01	8.7	154.4	63.03	7.57	1.2	5391	0.14	2.2	0.03	68	4.56	0.039	58.7	1411.0	11.49	16.15	53.00	1.2	4.2	26.4	0.14	0.6	0.001	0.79	1.6	17	0.1	104.4
51	24104	45	0.2	0.19	263.1	6.8	0.13	0.09	0.13	8.1	180.3	37.47	6.39	0.9	3179	0.11	2.0	0.05	155	2.54	0.036	31.2	295.3	6.88	13.20	33.16	1.7	1.4	11.2	0.19	0.5	0.001	1.06	0.6	8	<0.1	26.4
52	24105	10	0.7	0.31	40.1	22.1	0.11	0.26	1.12	9.8	176.4	63.57	2.22	1.3	3852	0.17	2.9	0.07	119	5.05	0.040	82.7	1463.0	6.91	4.34	43.52	1.3	4.4	32.4	0.21	1.1	0.001	0.27	1.7	17	0.1	158.6
53	24106	405	<0.1	0.29	5.9	35.8	1.67	0.26	0.01	0.4	3.5	2.89	0.39	1.1	23	0.07	1.0	0.08	27	0.18	0.154	1.3	333.1	15.20	0.09	0.52	0.7	0.2	6.9	0.00	2.9	0.001	0.17	1.1	4	0.1	7.4
54	24107	10	0.4	0.28	40.4	37.5	0.15	0.25	1.19	9.8	176.5	60.93	2.52	1.3	4202	0.17	3.0	0.38	1300	4.90	0.035	56.3	1004.0	9.46	3.14	38.31	2.1	3.5	34.0	0.21	1.2	0.001	0.16	1.6	17	0.1	158.0
55	24108	10	0.4	0.25	44.8	34.6	0.16	0.22	0.86	10.3	182.3	58.81	2.48	1.2	3996	0.16	2.8	0.30	1155	4.28	0.030	57.2	1023.0	9.36	3.01	39.71	2.0	3.5	33.7	0.16	1.3	0.001	0.15	1.5	14	0.1	147.5
56	24110	30	1.8	0.38	74.3	24.2	0.13	0.26	0.28	6.1	95.6	19.09	2.17	2.9	10990	0.19	22.5	0.23	486	1.69	0.031	19.8	262.8	28.40	4.28	31.67	1.8	1.9	24.4	0.02	8.5	<0.001	0.55	1.5	5	0.1	83.6
57	24111	15	2.3	0.27	64.2	25.2	0.16	0.28	0.19	5.3	108.1	14.45	1.85	2.7	6907	0.19	23.7	0.24	341	1.59	0.029	17.9	252.2	21.55	3.63	18.85	0.8	2.0	14.8	0.03	10.0	<0.001	0.26	1.3	3	<0.1	54.9
58	24112	15	1.1	0.24	54.6	23.9	0.14	0.44	0.18	6.0	114.3	14.05	2.02	2.8	8768	0.18	26.9	0.37	591	1.97	0.032	19.6	258.3	24.30	3.93	20.27	1.2	1.8	20.3	0.05	9.4	<0.001	0.26	1.2	3	0.1	78.9
59	24113	10	0.7	0.25	24.3	25.7	0.16	0.19	0.20	5.5	93.1	13.51	1.89	2.7	7455	0.17	25.2	0.15	278	1.78	0.029	18.1	251.7	23.12	3.77	16.89	0.8	1.9	14.9	0.03	9.0	<0.001	0.26	1.2	3	0.1	64.5
60	24114	20	0.4	0.31	23.9	23.1	0.14	0.22	0.18	6.6	88.2	15.69	2.28	2.8	8819	0.18	24.8	0.20	386	1.59	0.030	21.3	225.2	30.72	4.49	22.44	0.9	1.8	14.7	0.03	8.9	<0.001	0.34	1.3	3	0.2	71.7
61	24115	10	0.8	0.28	18.6	28.1	0.14	0.22	0.11	4.8	101.2	9.65	1.90	3.1	4805	0.19	27.5	0.16	326	1.19	0.031	14.9	202.4	21.75	3.68	14.30	0.8	1.8	14.1	0.05	10.3	<0.001	0.30	1.0	3	0.1	65.3
62	24116	15	1.9	0.24	18.7	22.4	0.15	0.23	0.18	4.9	105.6	13.50	1.95	2.6	5392	0.16	23.4	0.18	349	1.39	0.033	18.0	220.2	24.27	3.82	15.60	1.0	1.6	13.8	0.03	9.5	<0.001	0.24	1.2	3	<0.1	64.1
63	24117	20	2.3	0.23	48.0	27.1	0.15	0.61	0.18	5.2	120.0	14.59	1.87	2.6	5497	0.16	25.8	0.51	784	1.42	0.030	21.2	196.9	26.97	3.58	14.73	0.9	1.6	26.4	0.06	10.4	<0.001	0.23	1.5	2	0.1	72.0
64	24118	10	2.4	0.26	37.1	26.6	0.09	0.59	0.16	4.7	123.1	12.41	1.93	2.1	4049	0.15	17.7	0.46	648	1.24	0.030	17.2	250.3	26.70	3.85	16.38	1.1	1.4	40.2	0.05	8.3	<0.001	0.30	1.5	2	0.1	56.2
65	24119	10	0.9	0.26	26.8	30.6	0.16	0.38	0.23	4.1	90.2	9.82	1.59	2.3	5340	0.18	20.8	0.34	425	1.44	0.030	15.1	194.2	23.86	3.15	10.33	0.9	1.3	17.9	0.02	9.5	<0.001	0.21	1.4	2	0.1	91.2
66	24120	10	1.1	0.25	11.2	19.5	0.16	0.29	0.09	4.2	72.2	8.74	2.16	2.9	2841	0.16	29.8	0.26	293	1.28	0.029	8.7	221.0	21.70	4.36	6.77	1.5	1.5	25.8	0.05	11.2	<0.001	0.16	1.3	2	0.1	48.7
67	24122	10	0.6	0.24	74.0	20.4	0.06	1.33	0.11	13.1	82.8	30.61	2.65	1.7	1025	0.19	13.6	0.97	1151	1.11	0.031	88.8	325.0	15.36	4.90	40.50	2.6	1.2	89.2	0.07	5.9	<0.001	0.43	1.0	6	<0.1	55.5
68	24123	10	0.6	0.22	57.2	35.0	0.09	1.40	0.08	19.2	139.6	57.92	1.97	1.3	908	0.15	7.6	1.03	1103	0.92	0.032	126.1	273.7	9.40	3.11	57.58	3.7	0.9	124.5	0.07	3.8	<0.001	0.42	0.7	10	<0.1	64.9
69	24124	10	0.8	0.19	74.4	48.8	0.14	3.54	0.09	2.9	74.4	8.47	1.24	1.6	2244	0.16	15.3	2.70	3661	1.17	0.029	10.8	154.4	29.92	2.40	9.03	0.8	1.1	109.6	0.06	7.0	<0.001	0.15	0.9	1	<0.1	34.2
70	24125	<5	<0.1	0.95	4.0	213.5	0.04	0.66	0.01	5.2	119.2	2.51	1.78	5.0	5	0.47	6.5	0.56	487	0.25	0.121	5.7	746.1	23.39	0.09	0.04	2.1	0.4	60.8	0.03	3.8	0.101	0.33	2.2	35	<0.1	45.7
71	24126	30	1.8	0.25	32.7	21.1	0.07	0.29	0.13	5.7	112.3	10.32	2.16	2.6	4048	0.17	22.0	0.25	365	1.41	0.030	18.9	215.9	29.30	4.31	12.20	0.9	1.6	18.7	0.04	9.9	<0.001	0.20	1.2	2	<0.1	52.9
72	24127	405	<0.1	0.28	5.3	38.8	1.88	0.27	0.01	0.4	3.4	3.42	0.40	1.2	17	0.07	1.1	0.08	29	0.34	0.144	1.4	322.4	16.27	0.09	0.56	0.7	0.2	7.5	0.00	2.4	0.001	0.17	1.0	3	0.1	7.7
73	24128	15	1.2	0.19	18.7	25.2	0.17	0.64	0.13	3.7	120.1	9.57	1.68	2.2	5376	0.15	22.4	0.53	901	1.39	0.031	12.5	165.9	28.97	3.26	12.13	1.0	1.5	20.6	0.04	9.8	<0.001	0.20	1.2	2	0.1	43.3
74	24129	45	5.6	0.19	55.9	29.9	0.12	0.10	0.12	4.5	183.0	15.75	1.58	2.0	7477	0.15	16.1	0.09	142	1.75	0.029	32.9	116.8	19.17	2.99	19.72	0.6	1.5	7.9	0.03	5.7	<0.001	0.27	0.9	3	<0.1	48.7
75	24130	65	4.6	0.20	50.2	34.4	0.14	0.04	0.17	3.3	183.2	17.84	1.52	2.1	5605	0.15	18.1	0.05	79	3.71	0.027	13.0	134.4	15.75	2.83	17.91	0.5	1.8	9.8	0.03	5.6	<0.001	0.58	1.0	3	0.1	38.9
76	24131	35	5.2	0.20	58.5	58.4	0.08	0.03	0.06	2.5	200.3	15.06	1.00	1.5	2619	0.15	9.4	0.04	51	1.79	0.029	12.0	128.7	14.20	1.67	13.98	0.5	1.4	3.7	0.03	3.1	0.001	0.71	0.8	6	0.1	28.8
77	24132	45	6.3	0.22	62.6	41.9	0.46	0.05	0.48	3.0	164.7	20.18	1.23	2.2	3241	0.16	17.8	0.06	68	1.56	0.030	12.5	162.4	26.26	2.28	16.70	0.6	1.9	8.4	0.03	7.6	<0.001	0.66	1.1	4	0.1	44.7
78	24133	30	3.1	0.21	43.4	43.5	0.08	0.04	0.10	1.9	123.6	11.17	1.19	2.5	1957	0.16	21.4	0.06	56	1.49	0.029	6.3	149.9	19.94	2.28	13.35	0.5	1.9	7.4	0.04	10.1	<0.001	0.46	0.9	3	0.1	21.5
79	24134	25	0.3	0.23	37.1	33.8	0.08	0.05	0.13	2.2	96.4	8.91	1.11	2.4	3418	0.17	19.5	0.09	99	1.30	0.028	7.8	80.8	18.98	2.12	10.81	0.5	1.6	8.4	0.04	8.7	<0.001	0.22	0.9	3	<0.1	36.3
80	24135	30	2.2	0.20	58.7	27.6	0.11	0.20	0.10	2.1	134.1	8.89	1.47	2.1	6068	0.15	17.6	0.19	336	3.85	0.028	8.8	73.8	24.49	2.79	16.20	0.6	1.8	15.1	0.00	8.6	<0.001	0.65	1.1	3	0.1	26.4
81	24136	110	4.2	0.24	66.2	31.0	0.14	0.11	0.13	3.2	131.1	16.88	1.33	1.7	4369	0.15	11.2	0.12	136	2.11	0.026	13.2	67.6	19.87	2.46	14.80	0.7	1.3	12.9	0.04	5.3	<0.001	0.68	1.0	4	<0.1	57.7
82	24137	10	2.5	0.28	41.7	25.6	0.15	0.14	0.13	3.3	118.2	13.42	1.69	2.4	3935	0.17	19.6	0.16	194	1.70	0.030	10.4	116.4	28.17	3.32	10.85	0.8	1.5	16.0	0.04	8.5	<0.001	0.22	1.2	3	0.1	46.4
83	24138	15	3.4	0.25	32.0	18.6	0.14	0.39	0.16	6.3	103.5	18.82	2.60	1.6	5983	0.16	10.5	0.31	371	2.02	0.028	22.0	228.0	29.39	4.95	17.03	1.3	1.3	21.5	0.04	5.7	<0.001	0.20	1.4	4	0.2	53.4
84	24139	5	0.2	0.40	59.1	72.7	0.19	0.74	0.06	11.7	83.4	23.03	2.97	2.3	526	0.22	15.0	0.73	857	0.47	0.034	26.4	326.6	20.35	1.27	6.51	4.1	0.9	46.0	0.03	9.0	<0.001	0.15	1.7	13	0.2	82.7
85	24141	5	0.2	0.32	49.1	48.8	0.25	0.93	0.06	10.8	125.7	23.09	3.06	1.9	381	0.22	11.4	0.80	989	0.53	0.033	23.0	307.6	22.79	1.93	4.10	3.5	0.9	49.8	0.02	8.3	<0.001	0.13	1.7	9	0.1	58.8
86	24142	5	0.2	0.29	27.4	97.4	0.26	0.32	0.03	15.8	126.7	22.63	4.02	2.6	278	0.22	18.7	0.76	1272	0.93	0.036	32.5	398.6	16.79	0.85	2.37	3.2	1.2	24.3	0.04	11.2	<0.001	0.09	1.3	9	0.1	90.9
87	24143	<5	<0.1	1.00	4.0	237.1	0.05	0.66	0.01	4.4	117.5	2.54	1.93	5.4	4	0.49	7.1	0.62	539	0.26	0.125	5.8	763.1	24.19	0.11	0.03	2.1	0.4	64.2	0.03	4.7	0.108	0.36	4.1	37	<0.1	49.9
88	24144	5	0.2	0.40	32.9	105.1	0.37	1.21	0.04	19.2	110.5	29.92	4.09	2.7	940	0.21	17.6	1.29	1083	0.77	0.035	47.2	698.1	21.50	0.86	6.89	4.4	1.2	40.7	0.03	10.9	0.001	0.08	1.5	18	0.1	89.0
89	24145	5	0.1	0.30	16.0	104.8	0.21	0.59	0.05	11.4	92.5	28.28	2.84	2.4	1712	0.21	17.3	0.75	660	0.50	0.035	23.4	316.3	16.11	0.77	1.87	2.2	1.0	28.5	0.03	13.1	<0.001	0.08	1.8	7	0.1	66.3
90	24146	15	0.5	0.23	21.7	73.6	0.15	0.46	0.37	8.3	147.6	66.44	1.90	1.2	482	0.14	2.7	0.50	472	1.65	0.030	37.1	176.1	8.06	1.64	3.80	2.2	2.3	27.5	0.09	1.2	0.001	0.06	1.1	14	0.1	92.8
91	24147	5	0.6	0.24	27.9	65.3	0.22	0.42	0.88	9.8	145.9	75.04	2.12	1.5	692	0.12	4.7	0.54	655	3.64	0.030	49.1	374.8	27.90	2.00	3.35	2.1	3.0	35.6	0.09	2.1	0.001	0.05	1.5	16	0.1	161.8
92	24148	5	0.5	0.22	34.3	77.8	0.12	0.44	0.27	6.3	188.8	73.88	1.82	1.3	519	0.09	2.4	0.52	580	2.95	0.026	38.7	246.4	25.48	1.84	3.00	2.1	2.1	30.8	0.06	1.0	0.001	0.05	0.6	17	0.1	92.6
93	24149	5	0.2	0.14	19.3	118.8	0.05	0.42	0.17	2.4	190.1	41.65	1.07	1.0	211	0.08	1.6	0.33	330	0.91	0.030	22.3	84.6	4.70	1.08	1.19	1.2	1.6	14.2	0.05	0.6	0.001	0.04	0.3	10	<0.1	43.6
94	24150	5	0.3	0.21	47.9	48.1	0.08	0.51	0.31	7.2	147.0	61.08	1.81	1.3	786	0.08	1.8	0.45	496	3.35	0.028	49.5	225.6	9.76	2.21	6.23	2.3	2.3	41.5	0.17	0.7	0.001	0.11	0.8	21	0.1	83.9
95	24151	10	0.2	0.38	18.7	101.5	0.05	2.94	0.22	24.7	100.9	25.50	6.06	1.5	509	0.10	1.8	3.41	2369	1.23	0.032	33.4	177.7	8.67	1.13	1.64	15.8	1.4	66.1	0.05	0.7	0.001	0.05	1.3	107	0.2	90.1
96	24152	15	0.6	0.26	27.7	53.9	0.16	1.38	1.06	13.3	154.9	114.70	2.15	1.4	603	0.14	2.7	0.81	1043	8.46	0.035	49.6	2003.0	8.76	2.18	2.78	2.8	4.3	70.7	0.11	1.8	0.001	0.05	3.4	36	0.3	145.5
97	24153	400	<0.1	0.25	5.2	39.4	1.94	0.26	0.01	0.4	2.9	2.80	0.37	1.1	21	0.06	1.1	0.07	27	0.27	0.127	1.3	288.9	15.31	0.08	0.55	0.7	0.2	7.6	0.00	2.8	0.001	0.17	1.0	3	0.1	6.4
98	24154	5	0.4	0.24	28.6	55.6	0.09	1.35	2.70	6.4	193.8	83.45	1.76	1.4	586	0.13	3.0	0.71	677	7.42	0.033	58.7	2730.0	9.53	2.12	2.20	1.9	9.7	59.9	0.13	1.6	0.001	0.03	2.9	48	0.1	279.1
99	24155	5	0.4	0.29	28.2	66.3	0.17	2.18	1.37	8.3	154.0	61.32	2.33	1.4	625	0.12	2.8	1.47	1241	5.19	0.033	51.0	1403.0	13.23	2.22	2.93	3.2	5.6	75.0	0.12	1.5	0.001	0.04	2.0	47	0.1	183.7
100	24156	<5	<0.1	0.42	8.9	170.7	<0.02	1.60	0.07	25.7	59.3	8.03	5.73	1.6	223	0.08	3.2	2.66	1274	1.55	0.031	19.7	447.7	12.00	0.35	0.92	17.6	0.7	28.0	0.03	0.7	0.000	0.04	1.3	128	<0.1	71.8

ECO TECH LABORATORY LTD.												ICP CERTIFICATE OF ANALYSIS AK 2007-7031																		Klondike Star						
		Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Et #.	Tag #	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
101	24157	5	0.3	0.29	26.6	59.3	0.21	0.81	0.59	10.6	164.5	51.26	2.70	1.8	589	0.17	6.6	0.96	818	2.79	0.029	41.5	404.0	17.41	1.63	2.51	3.6	2.9	35.7	0.10	3.8	0.001	0.05	1.6	36	0.1	105.4
102	24158	5	0.2	0.27	14.1	74.9	0.21	0.39	0.18	8.5	155.3	44.39	2.44	1.8	351	0.18	8.7	0.71	457	1.53	0.031	35.8	276.9	9.72	1.16	1.30	2.3	1.6	22.3	0.08	5.0	0.001	0.05	1.2	21	<0.1	79.3
103	24159	5	0.3	0.23	19.7	93.8	0.09	0.35	0.82	7.5	166.9	49.22	1.94	1.2	411	0.12	2.4	0.51	636	1.61	0.030	28.9	387.4	135.00	1.17	1.54	2.0	2.3	41.1	0.07	2.2	0.001	0.05	1.0	22	0.1	156.5
104	24160	<5	0.7	0.26	20.6	81.7	0.19	0.45	2.53	7.2	147.4	46.22	2.00	1.4	860	0.17	5.2	0.52	604	1.00	0.033	26.2	403.5	645.10	1.13	1.24	1.9	5.6	28.9	0.20	5.5	0.001	0.04	1.4	12	0.1	575.0
105	24161	<5	0.3	0.24	30.3	76.9	0.14	0.76	0.27	7.3	157.0	40.35	2.17	1.3	398	0.13	3.7	0.76	919	1.57	0.028	28.9	196.8	20.02	1.44	1.77	2.8	1.4	34.1	0.05	2.5	0.001	0.04	1.0	22	0.1	69.7
106	24162	5	0.5	0.18	34.9	71.4	0.47	0.56	0.33	7.2	166.3	64.53	2.33	1.0	250	0.12	2.9	0.62	1405	1.48	0.030	24.0	290.3	14.51	1.33	1.94	2.2	1.1	28.9	0.14	1.3	0.001	0.18	0.6	19	<0.1	56.5
107	24163	10	0.3	0.27	35.4	69.3	0.28	0.84	1.32	7.5	153.0	39.76	1.78	1.4	359	0.14	3.4	0.44	702	3.84	0.032	34.6	2182.0	11.31	1.94	2.41	1.8	3.6	71.3	0.12	1.6	0.001	0.05	2.0	27	0.1	140.9
108	24164	5	0.3	0.25	37.2	52.1	0.28	1.24	1.48	6.2	147.6	42.01	1.90	1.4	426	0.15	3.3	0.63	987	4.92	0.032	36.4	2127.0	9.56	2.23	2.25	1.8	3.8	83.7	0.18	1.6	0.001	0.05	2.1	24	<0.1	150.0
109	24165	5	0.3	0.16	41.1	25.8	0.13	1.15	0.34	6.2	172.5	42.77	2.61	0.9	954	0.12	2.3	0.73	935	2.46	0.031	35.2	590.2	13.84	4.05	7.35	1.5	1.6	38.6	0.12	1.2	0.001	0.71	1.0	12	<0.1	71.5
110	24166	410	<0.1	0.24	5.5	37.7	1.72	0.25	0.01	0.3	3.1	2.72	0.36	1.1	23	0.06	1.0	0.07	26	0.17	0.125	1.3	280.4	16.35	0.09	0.53	0.7	0.2	6.9	0.03	2.7	0.001	0.17	1.0	3	0.1	6.2
QC DATA:																																					
Repeat:																																					
1	24053	5	<0.1	0.17	8.3	168.3	0.06	0.01	0.06	0.6	212.4	4.34	0.36	1.4	1355	0.11	6.9	0.02	26	1.84	0.030	4.7	36.0	3.79	0.15	4.55	0.4	0.5	4.3	0.04	2.0	0.001	0.09	0.3	7	<0.1	8.5
14	24066	190																																			
16	24068	155																																			
19	24071	75	0.2	0.38	105.6	26.2	0.22	0.03	0.14	3.0	124.6	7.85	1.70	3.1	5433	0.19	18.9	0.01	71	1.82	0.030	8.0	241.5	31.63	3.49	12.91	0.9	2.0	11.2	0.00	13.8	<0.001	0.57	2.0	4	<0.1	24.1
28	24081		<0.1	0.45	39.0	32.7	0.48	0.05	0.36	8.6	100.4	35.73	1.40	4.0	4235	0.25	32.5	0.02	30	1.70	0.029	24.5	304.1	33.53	2.78	18.61	0.9	2.2	11.3	0.03	14.2	<0.001	0.30	2.8	5	<0.1	56.4
36	24089	5	0.1	0.28	25.1	42.5	1.58	0.02	0.31	7.6	135.4	48.46	1.30	1.9	2758	0.20	11.7	0.07	530	2.30	0.035	23.5	72.4	17.72	1.82	18.37	1.1	1.4	9.1	0.06	5.9	<0.001	0.20	1.7	6	<0.1	62.8
45	24098	95	1.3	0.21	340.3	6.8	0.08	0.05	0.13	8.9	172.1	45.40	6.36	0.9	3883	0.13	2.3	0.02	80	2.07	0.032	28.8	258.0	7.51	13.50	56.80	1.0	1.4	8.5	0.08	0.7	0.001	1.31	0.5	6	0.1	40.1
46	24099	120																																			
49	24102	65																																			
54	24107	10	0.5	0.28	41.9	40.4	0.16	0.24	1.22	9.8	177.8	61.81	2.52	1.3	4311	0.17	3.2	0.37	1295	4.97	0.032	56.6	996.8	9.26	3.09	39.93	2.1	3.7	34.2	0.15	1.3	0.001	0.17	1.6	17	0.1	161.1
71	24126	25	1.7	0.26	30.8	21.5	0.07	0.28	0.12	5.2	105.3	9.67	2.04	2.5	4093	0.18	22.3	0.25	348	1.19	0.034	17.4	205.5	28.02	4.12	11.45	0.9	1.5	18.9	0.05	9.8	<0.001	0.20	1.2	2	<0.1	52.5
78	24133	100																																			
80	24135	30	2.2	0.20	55.4	32.3	0.11	0.18	0.09	1.9	124.4	8.10	1.39	2.0	5958	0.15	17.8	0.17	323	3.75	0.027	8.1	67.1	25.04	2.58	16.24	0.6	1.6	15.6	0.02	8.9	<0.001	0.64	1.2	2	0.1	25.7
81	24136	110																																			
89	24145	<5	0.2	0.31	15.7	102.3	0.20	0.57	0.05	11.3	92.5	28.70	2.82	2.6	1643	0.21	18.8	0.73	651	0.52	0.032	23.8	314.8	15.84	0.73	1.81	2.2	1.1	29.5	0.04	13.2	<0.001	0.07	1.7	7	0.1	66.6
106	24162	5	0.5	0.19	36.4	75.7	0.47	0.60	0.33	7.4	179.4	68.55	2.43	1.1	265	0.13	3.2	0.64	1459	1.49	0.030	25.2	299.7	14.83	1.38	2.00	2.3	1.2	31.3	0.15	1.5	0.001	0.19	0.6	20	<0.1	60.2
Resplit:																																					
36	24089	5	<0.1	0.25	24.5	49.6	1.49	0.02	0.27	7.2	128.0	45.73	1.26	1.9	2628	0.19	10.9	0.07	560	2.30	0.032	22.6	66.4	18.61	1.60	18.30	1.0	1.3	8.4	0.05	5.3	0.001	0.17	1.6	5	<0.1	60.4
71	24126	10	1.5	0.24	27.2	27.6	0.06	0.31	0.13	4.9	91.9	8.59	1.83	2.3	3904	0.17	20.2	0.27	395	1.19	0.026	15.9	189.2	26.10	3.50	11.89	0.9	1.4	19.9	0.03	9.6	<0.001	0.19	1.3	2	<0.1	48.5
106	24162	5	0.5	0.20	32.1	72.6	0.46	0.53	0.29	6.8	168.2	58.64	2.22	1.1	252	0.12	2.9	0.59	1433	1.41	0.030	23.9	291.0	11.80	1.21	1.88	2.1	1.1	30.0	0.09	1.4	0.001	0.18	0.6	18	<0.1	53.0
Standard:																																					
Till 3			1.4	1.1	72.6	34.1	0.27	0.62	0.08	9.1	55.7	20.54	1.94	4.0	101	0.06	13.0	0.53	311	0.52	0.043	31.3	469.1	27.09	0.02	0.49	2.9	0.2	15.4	0.02	1.0	0.060	0.10	1.0	39	<0.1	41
Till 3			1.5	1.1	70.7	36.9	0.26	0.66	0.09	9.7	59.8	21.84	1.83	4.7	99	0.06	12.4	0.48	308	0.53	0.048	29.6	464.4	24.77	0.02	0.61	2.7	0.2	13.7	0.01	1.3	0.055	0.11	0.9	37	<0.1	40
Till 3			1.5	1.1	76.5	32.1	0.26	0.63	0.08	10.3	60.3	19.89	1.81	4.4	109	0.07	12.0	0.45	292	0.53	0.046	29.2	440.7	26.29	0.02	0.59	2.5	0.2	15.2	0.02	1.3	0.049	0.11	1.2	35	<0.1	38
Till 3			1.4	1.1	78.6	32.2	0.26	0.64	0.08	10.6	59.3	20.66	1.77	4.9	110	0.07	12.0	0.47	291	0.65	0.044	29.6	442.0	26.03	0.02	0.58	2.5	0.2	13.9	0.02	1.1	0.048	0.12	1.0	36	<0.1	39
OXD43		405																																			
OXD43		410																																			
OXD43		415																																			
OXD43		415																																			

Au 30g FA AA Finish
ICP - Aqua Regia / ICP - MS Finish

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/bp
df/7031im
XLS/07

APPENDIX IV

Summary Drill Logs

SPICE 2007 DRILL PROGRAM

LEGEND

Cretaceous to Tertiary?
RCLT: Rhyolite crystal (XL) lithic tuff
RQFP: Rhyolite quartz feldspar porphyry: commonly as dykes or sills

Early Permian ultramafic and mafic intrusions
LIST listwanite
UM ultramafic

Permian Simpson Lake Group (deposited on Slide Mountain)
CGL coarse polymictic conglomerate (in SP07-1 only)

SLIDE MOUNTAIN TERRANE
Carboniferous to Permian Fortin Creek Group
BCU: Bedded Clastic Unit undifferentiated:
commonly pelitic to quartz rich clastic rocks, phyllite
- **BCU:** Fine clastics
  - **Mdst:** mudstone
  - **Sts:** siltstone
  - **Sdst:** sandstone
  - **Qte:** quartzite
- **Grit:** grit
- **Cgl:** fine conglomerate interbedded with grit and finer BCU

FLT: fault

Abbreviations:

carb	carbonate	cnt	contact	U	upper	L	lower
chl	chlorite	CA	core angle				
cl	clay	bx	breccia				
gf	graphite	flt	fault				
jar	jarosite						
lim	limonite						
listw	listwanite	w	weak				
mte	magnetite	m	moderate				
prop	propyllitic	s	strong				
py	pyrite						
ser	sericite						
sp	serpentine (serp)						
sil	silicified						
tc	talc						

SUMMARY LOG **Hole: SP07-01** Section: 500E **Samples: 109**

SPICE PROPERTY

Easting (m):	Northing (m):	Elevation (m):	Depth (m):
346802	6876624	785	158.2

Logger: J. Pautler
Dates: May 4-14, 2007

Depth	0m	138.7m
Azimuth	195	197.4
Dip	-45	-48.5
Method	Compass	Inklin

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
5.50	30.00	24.50		Box 1 dropped by Day Shift before splitting; logged from 0-22.55m at drillsite									
5.50	13.40	7.90	OVB	**Overburden**									
			BCU	pebbles of **Bedded Clastic Unit**	m lim, ser, sil	tr	5.50	10.30	4.80	23803	37		grab
				soil			6.00	6.25	0.25	23804	100		B soil
				crackled to bxed clastics pebbles-bld	s sil	1-2	6.25	7.50	1.25	23805	40	120	
				sandy, pebbly till	occ. w lim		7.50	8.00	0.50	No sample	25	Dumped core box	
				pebbles of fine clastics			8.00	10.25		No sample	20	Dumped core box	
				cgl at base of finer clastics	sil, w ser	tr	10.25	10.40	0.15	23806	100		
				No Core			10.40	13.40	3.00	No sample	0		
13.40	22.55	9.15	FLT	**Fault Zone in Conglomerate**	clay, ser								
			(CGL)	50% clay gouge		0.5	13.40	16.50	3.10	23807	10		Ag
				platy, chlorite altered	+m chl	tr	16.50	22.55	6.05	23808	8		
22.55	31.80	9.25	CGL	**Fault Zone in conglomerate**			**20CA**	**cnt**					
				gouge, breccia, crushed zones		2-3	22.55	25.60	3.05	23809	38		3065 Sb
				deformed and altered	m-s sil	6	25.60	30.20	4.60	23810	15	150	
				crushed, bxed		3	30.20	31.80	1.60	23811	50		
31.80	38.60	6.80	FLT	**Fault** clay gouge, crushed zones	clay	<1	31.80	33.30	1.50	23812	79		
				crushed, bxed, propyllitic altn	prop	2	33.30	34.75	1.45	23813	79		
				crushed	clay	3	34.75	37.80	3.05	23814	46		
				rubble-clay gouge, pieces of drill bit	clay	1-2	37.80	38.60	0.80	23815	52	1500 Ag	1.4% Cu
38.60	46.95	8.35	FLT	**Cgl-Rqfp fault bx,** graphitic	cl, chl, ser	3	**55CA**	**bedding?**				(drill bit)	
				fault breccia in cgl, Rqfp fragments	w chl, ser	5	38.60	40.80	2.20	23816	52		
				deformed cgl-Rqfp breccia	m sil, w cl-ser	3	40.80	43.90	3.10	23817	43		
				deformed cgl-Rqfp breccia	cl, w ser-chl	1	43.90	45.50	1.60	23818	51		
				more cgl	cl, w ser	4	45.50	46.95	1.45	23825	51		
46.95	51.50	4.55	RQFP	**Rhyolite qfp,** brecciated		3	**35CA**	**cnt**					
				Rqfp fragments in gfic clastic matrix	w-m sil	3	46.95	47.70	0.75	23819	97		
				brecciated Rqfp, chl-ser matrix	m sil, chl-ser	1-2	47.70	49.20	1.50	23820	97		
							Duplicate of 28320			23821			
				brecciated Rqfp, chl-ser matrix	m sil, chl-ser	1-2	49.20	50.80	1.60	23822	95		
				more brecciated	m sil, chl-ser	5	50.80	51.50	0.70	23823	90		

SPICE **Hole: SP07-01** Section: 500E

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
51.50	59.90	8.40	**CGL**	**Conglomerate**			**70CA**	**foln**					
				strongly deformed, silicified	s sil, chl-ser	1-2	51.50	53.40	1.90	23824	92		
				fault zone in conglomerate **30CA**	m clay-ser	<1	53.40	54.30	0.90	23826	100		
				cgl-breccia with Rqfp frags, tc-serp	m ser	1	54.30	56.10	1.80	23827	100		
					60CA	**foln**	STANDARD 0.401 g/t Au			23828		400	
							BLANK			23829			
				silicified conglomerate, talc-serp	m-s sil	3	56.10	57.40	1.30	23830	93		
				faulted, cgl-Rqfp bx, talc-serp	m clay	2	57.40	58.30	0.90	23831	93		
				less faulted cgl, talc-serp	m sil	<0.5	58.30	59.90	1.60	23832	93		
59.90	64.20	4.30	**RQFP**	**Rhyolite qfp,** ankerite porphyroblasts	ser, tc-sp	3	**50CA**	**Ucnt**		**30CA**	**Lcnt**		
				Rhyolite qfp	clay	1-2	59.90	61.10	1.20	23833	93		
				grades silicified, crackled texture	+w sil	3	61.10	62.20	1.10	23834	93		
				minor fine clastic frags	m-s sil	3-4	62.20	64.20	2.00	23835	86		TS
64.20	65.60	1.40	**FLT**	**Cgl - Rqfp breccia**	ser, tc	3-4	64.20	65.60	1.40	23836	83		
65.60	68.30	2.70	**CGL**	**Fault in cgl, ankerite porphs**	cl,ser, tc-sp	<1	65.60	68.30	2.70	23837	48		
68.30	69.00	0.70	**RQFP**	**Highly deformed ?, ank porphs**	chl-ser, tc-sp	5	68.30	69.00	0.70	23838	92		
69.00	70.00	1.00	**CGL**	**Cgl breccia in fault zone**	cl,ser, tc-sp	1	69.00	70.00	1.00	23839	91		
70.00	75.20	5.20	**RQFP**	**Highly deformed ?, ank porphs**	cl,ser, tc-sp		**60CA**	**foln**					
				cataclastic texture		2-3	70.00	71.30	1.30	23840	92		
							Duplicate of 28340			23841			
				minor cgl in section		2	71.30	72.70	1.40	23842	93		
				more broken		2	72.70	74.25	1.55	23843	93		TS
				some deformed grey qtz bands	+w-m sil	3	74.25	75.15	0.90	23844	68		TS, WR
75.20	93.50	18.30	**CGL**	**Fault zone cutting conglomerate**	m cl, w-m sil		**10CA**	**cnt**					
				graphitic gouge, crushed zone		1	75.15	77.40	2.25	23845	66		
				graphitic gouge, crushed zone		<0.5	77.40	79.00	1.60	23846	43		
				breccia, with quartz-carbonate stringers +/-stibnite			79.00	80.45	1.45	23847	43		Sb
				less brecciated, stringers		1	80.45	82.00	1.55	23848	84		Sb
				more faulted to 88.3, stringers	w-m clay	0.5	82.00	83.50	1.50	23849	84		Sb
					55CA	**foln**	BLANK			23850			
				rubbly, crushed zone	w sil-clay		83.50	85.00	1.50	23851	90		
				local silicified zones	w sil-clay	<0.5	85.00	86.55	1.55	23852	90		
				gouge, crushed zone **20CA**	mclay, w sil	0.5	86.55	88.30	1.75	23853	93		
				local more silicified zones	+w-m sil	3-4	88.30	89.60	1.30	23854	93		

SPICE **Hole: SP07-01** Section: 500E

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
							STANDARD 0.401 g/t Au			23855		405	
				breccia		2	89.60	91.00	1.40	23856	95		TS
				fault gouge, crushed zone	m cl, w sil	5	91.00	91.40	0.40	23857	95		
					m sil	1	91.40	92.40	1.00	23858	95		
				deformed conglomerate		3	92.40	93.50	1.10	23859	70		
93.50	94.10	0.60	**RQFP**	**Rhyolite qfp,** possible fragment		1	93.50	94.10	0.60	23860	65		TS
94.10	106.7	12.60	**CGL**	**Fault zone cutting conglomerate**	m cl, w-m sil		**65CA**	**cnt**	**gouge**				
				clay fault gouge, crushed zone	local sil	tr	94.10	95.70	1.60	23861	65		
				deformed quartz veinlet		tr	95.70	98.75	3.05	23862	23		
				deformed quartz veinlet rubble		tr	98.75	101.80	3.05	23863	5		
				clay fault gouge, rubble		tr	101.80	102.10	0.30	23864	68		
				clay fault gouge, crackled		tr	102.10	103.50	1.40	23865	68		
				breccia		1-2	103.50	104.85	1.35	23866	68		
				brecciated conglomerate	s sil	3-4	104.85	106.70	1.85	23867	92		
							Duplicate of 23867			23877			
106.7	113.2	6.50	**Grit**	**Fault zone cutting BCU grit**	clay-ser		**70CA**	**foln**					
				crushed rock and gouge		1	106.70	107.90	1.20	23868	87		
				crushed rock and gouge			107.90	109.40	1.50	23869	64		
				rubbly, deformed			109.40	110.95	1.55	23870	23		
				crushed rock			110.95	112.50	1.55	23871	72		
				crushed rock and gouge			112.50	113.20	0.70	23872	91		
113.2	113.7	0.50	**RQFP**	**Rhyolite qfp 55CA cnt**	m-s ser, chl?	0.5	113.20	114.00	0.80	23873	91		
113.7	116.9	3.20	**Grit**	**Fault zone cutting BCU grit**			**20CA**	**cnt**					
				minor deformed qtz veinlets	w-m sil		114.00	115.50	1.50	23874	64		
				gouge, rubble, qtz veins to 10 cm	w clay		115.50	116.90	1.40	23875	43		
					70CA	**foln**	BLANK			23876			
116.9	118.55	1.65	**Grit**	**Deformed coarse grit,** qtz veinlets	w ser-chl	0.5	116.90	118.55	1.65	23878	80		
118.55	119.0	0.45	**RQFP**	**Rhyolite qfp** in fault **45CA cnt**	ser-chl, w sil		118.55	119.00	0.45	23879	81		
119.0	132.3	13.30	**Grit**	**Fault zone in BCU grit-cgl**	w ser-chl		**45CA**	**cnt**					
				clay fault gouge, crushed zone	m cl- ser		119.00	120.35	1.35	23880	81		
				crushed rock and gouge	+w sil	tr	120.35	121.60	1.25	23881	80		
				crushed rock and gouge in grit		0.5	121.60	123.75	2.15	23882	16		
				local w sil	+w sil	1	123.75	124.65	0.90	23883	50		
				arkosic bed?? As at 70-75m	**50CA bed**	0.5	124.65	126.40	1.75	23884	54		

SPICE **Hole: SP07-01** Section: 500E

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
				faulted grit to fine clastics			126.40	126.90	0.50	23885	71		
				minor deformed qtz veinlets	+w-m sil	0.5-1	126.9	128.3	1.4	23886	68		
				rubble, gouge		1	128.30	129.25	0.95	23887	58		
						0.5	129.25	130.75	1.5	23888	76		
							STANDARD 0.401 g/t Au			23889			
				qtz and sil pieces	+w-s sil	0.5	130.75	132.3	1.55	23890	50		
132.3	153.8	21.50	**LIST**	**Listwanite in fault zone**	listw	2-3	**20CA**	**cnt**	**gouge**				Ni, Cr
				late sil	+m-s sil	3	132.30	133.6	1.30	23891	65		
				rubbly, broken	w clay	3	133.60	135.35	1.75	23892	85		
				No Core			135.35	136.85	1.50	No sample	0		
				probable Cave or Wash		1	136.85	138.40	1.55	23893	19		
				some fine clasics, qtz rimmed clasts	+w-m sil	1-2	138.40	140.00	1.60	23894	63		
				breccia	+m-s sil	4	140.00	141.15	1.15	23895	77		
				minor qtz-carb veinlets		2	141.15	142.45	1.30	23896	85		
					45CA	**veinlets**	Duplicate of 23896			23897			
				banded, magnetite	s sil	3	142.45	144.50	2.05	23898	12		TS
					55CA	**foln**	BLANK			23899			
				breccia, fine qtz stringers	m sil	2-3	144.50	145.05	0.55	23900	82		
				fine qtz stringers		1	145.05	145.80	0.75	23901	82		
				magnetite, some qtz stringers	+m-w sil	1	145.80	146.90	1.10	23902	80		
				gouge, some fine clastics	m clay		146.90	148.30	1.40	23903	57		
				breccia		1	148.30	149.25	0.95	23904	57		
				clay fault gouge, crushed zone		1	149.25	150.20	0.95	23905	84		
				gouge, some fine clastics		0.5	150.20	151.50	1.30	23906	43		
							STANDARD 0.401 g/t Au			23907		390	
				clay fault gouge, crushed zone		0.5	151.50	152.10	0.60	23908	43		
				magnetite, some fine clastics	+w-m sil		152.10	153.60	1.50	23909	81		
				some gouge **85CA**	w clay		153.60	154.00	0.40	23910	77		
154.00	158.20	4.20	**BCU**	**Fault zone in BCU fine clastics**			**85CA**	**gouge**					
				argillite-grit		1	154.00	155.15	1.15	23911	77		
				No Core	80CA	**foln**	155.15	156.60	1.45	No sample	0		
	EOH			sdst-grit, some deformed qtz		tr	156.60	158.20	1.60	23912	15		
								EOH		**AVG.**	**59.5**	**REC.**	
										AVG.	**18.7**	**RQD**	

SUMMARY LOG **Hole: SP07-02** Section: 500E Samples: 138

Page 1of 5

Depth	0m	138.7m
Azimuth	195	197.4
Dip	-50	-48.5
Method	Compass	Inklin

SPICE PROPERTY

Easting (m):	Northing (m):	Elevation (m):	Depth (m):
346782	6876540	795	158.2

Logger: J. Pautler

Dates: May 16-25, 2007

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
0.00	8.55	8.55	**CAS**	**Casing**									
8.55	14.50	5.95	**OVB**	**Overburden** pebbles of BCU	m sil		12.20	13.70	1.50	23913	10		
				pebbles of BCU, quartz stringers	w sil		13.70	14.50	0.80	23914	32		
14.50	25.90	11.40	**BCU**	**Bedded Clastic Unit,** fine clastics	m sil		14.50	15.25	0.75	23915	32		
				grit	**60CA**	**bed**	15.25	15.60	0.35	23916	90		
				fault gouge and grit	w-m sil	10	15.60	16.75	1.15	23917	90		
				fine pelitic arg mdst-sts	w sil	5	16.75	18.20	1.45	23918	65		
				minor quartz stringers **40CA**	w chl	1	18.20	19.80	1.60	23919	47		
				clay fault gouge, quartz stringers	w clay	1	19.80	21.35	1.55	23920	32	140	
				quartz veinlets	w sil	1	21.35	22.85	1.50	23921	43	80	
				more graphitic and rubbly	**60CA**	**foln**	22.85	24.40	1.55	23935	31	145	
							STANDARD 0.401 g/t Au			23936		400	
				coarse grit and conglomerate	**45CA cnt**	1	24.40	25.90	1.50	23922	60	355	
25.90	26.40	0.50	**RQFP**	**Rhyolite qfp,** dyke	w chl-ser		25.90	26.40	0.50	23923	58	175	
26.40	28.95	2.55	**Grit**	**grit to conglomerate**									
				mostly grit			26.40	27.45	1.05	23924	58	255	
				conglomerate-grit, gouge, breccia		2-3	27.45	28.95	1.50	23925	51	295	
28.95	35.35	6.40	**FLT**	**Cgl-Rqfp fault breccia**	w ser, sil		**45CA**	**gouge**					
				some silicification and gouge		1	28.95	30.50	1.55	23926	97		
				more gouge and crushed zones	w serp-chl	2-3	30.50	32.00	1.50	23927	76		
				crushed rock and gouge	clay, sp-chl		32.00	33.53	1.53	23928	92		
				more finely brecciated and milled	m sil, sp-chl		33.53	35.05	1.52	23929	95		
35.35	38.10	2.75	**Cgl**	**Conglomerate fault breccia**	w ser		**25CA**	**foln**					
				brecciated conglomerate			35.05	36.05	1.00	23930	100		
				more quartz		0.5	36.05	36.55	0.50	23931	100		
				brecciated quartz rich clastics, quartz			36.55	38.10	1.55	23932	42		
38.10	42.30	4.20	**FLT**	**Fault breccia ,** graphitic	w ser		BLANK			23933			
				fine clastics, less brecciated			38.10	39.60	1.50	23934	83		
				pyrite replacing clasts		0.5-1	39.60	41.15	1.55	23937	91		
		55CA	**cnt**	pyrite replacing clasts, gouge		2-3	41.15	42.30	1.15	23938	100		

SPICE **Hole: SP07-02** **Section: 500E** Page 2 of 5

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
42.30	44.00	1.70	**CNT**	**Mixed BCU, Listw,** interbedded	listw		42.30	42.90	0.60	23939	100		
				fault crush and gouge in above			42.90	44.00	1.10	23946	44		
44.00	44.55	0.55	**LIST**	possible **listwanite,** tan colour	listw	1	44.00	44.55	0.55	23940	95		
44.55	50.75	6.20	**BCU**	**Bedded Clastic Unit,** fine clastics	**25CA**	**cnt**							
				minor listw, some gouge			44.55	45.70	1.15	23941	95		
				deformed BCU, gouge and crush	w serp-clay	1-2	45.70	47.25	1.55	23942	74		
				fault breccia, crush	w sp-chl, clay		47.25	48.75	1.50	23943	57		
							Duplicate of 28943			23944			
				LOST CORE		1-2	48.75	50.30	1.55	No sample	0		
				fine clastics, crushed zones	m sil	<1	50.30	51.85	1.55	23945	70		
51.85	53.45	1.60	**LIST**	**Listwanite fault zone**	list, ser	2	51.85	53.45	1.60	23947	39		
53.45	54.85	1.40	**BCU**	**Fine BCU in fault zone**	m sil	2-3	53.45	54.85	1.40	23948	23		
54.85	55.65	0.80	**LIST**	**Listwanite fault zone**	list, ser	1-2	54.85	55.65	0.80	23969	58		
55.65	56.40	0.75	**FLT**	**Fault Breccia**	sil, cl, ser	3	55.65	56.40	0.75	23949	58		
56.40	78.30	21.90	**BCU**	**Deformed fine BCU siliciclastics**	w-m ser								
					sil, bio	5	56.40	57.10	0.70	23950	97		
					ser, bio	3	57.10	57.90	0.80	23951	97		
					m ser	1	57.90	58.75	0.85	23952	97		
							Duplicate of 28952			23953			
					m ser, mp		58.75	59.45	0.70	23954	97		
					s ser, mp		59.45	59.75	0.30	23955	39		
							BLANK			23956			
					v s sil	10	59.75	60.10	0.35	23957	39		
					s sil	7	60.10	60.50	0.40	23958	39		
					m sil	5	60.50	61.50	1.00	23959	39		
					m-s sil	5-7	61.50	62.00	0.50	23960	39		
					w-m sil	3	62.00	62.50	0.50	23961	39		
				fault breccia to gouge	m sil	0.5	62.50	63.50	1.00	23962	42		
				siltstone bed in fault	w-m sil	1	63.50	64.50	1.00	23963	42		
				argillaceous siltstone+/- breccia	w sil	3	64.50	65.55	1.05	23964	42		
				more competent	m sil	4	65.55	68.60	3.05	23965	14		
							STANDARD 0.401 g/t Au			23966		414	
					m-s sil	2	68.60	71.30	2.70	23967	11	46	
					s sil	5	71.30	72.35	1.05	23968	42	210	
				grading more disrupted	s sil, ser, cl	7-8	72.35	73.60	1.25	23970	42	143	

SPICE **Hole: SP07-02** **Section: 500E** Page 3 of 5

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
				fault	m cl, w ser	1	73.60	75.00	1.40	23971	41		
					chl, w ser	1-2	75.00	76.60	1.60	23972	40		
					w-m sil	2-3	76.60	77.85	1.25	23973	40		
						1	77.85	78.30	0.45	23974	50		
78.30	79.05	0.75	**FLT**	**Fault gouge, crushed zone**	m clay	1	78.30	79.05	0.75	23975	71		
79.05	79.80	0.75	**Cgl**	**Conglomerate to coarse grit**		3	79.05	79.80	0.75	23976	71		
79.80	80.40	0.60	**RQFP**	**Rhyolite qfp**	m ser, w chl		79.80	80.40	0.60	23977	72		
80.40	94.10	13.70			w cl, w sil	7	80.40	81.10	0.70	23978	80		
80.40	84.65	4.25	**Cgl**	**Conglomerate**									
					w-m sil	15	81.10	82.50	1.40	23979	81		
							BLANK			23980			
					w-m clay	3	82.50	83.15	0.65	23981	81		
				fault	w sil	6	83.15	84.15	1.00	23982	84		
				fault		3	84.15	84.65	0.50	23983	88		
						3	STANDARD 0.401 g/t Au			23984		395	
84.65	91.80		**Grit**	**Coarse grit to fine conglomerate**									
				bedded		3	84.65	85.50	0.85	23985	88		
				crushed rock and gouge	m clay	2	85.50	86.15	0.65	23986	88		
					w chl-ser	2	86.15	87.00	0.85	23987	35		
							Duplicate of 23987			24000			
					w sil	1	87.00	89.90	2.90	23988	65		
					vw sil, w sp	0.5	89.90	90.40	0.50	23989	88		
					w serp	1	89.90	91.40	1.50	23990	88		
					w carb, sp		91.40	93.20	1.80	23991	89		
93.20	94.50	1.30	**QVZ**	**Quartz Vein Zone**		1	93.20	94.50	1.30	23992	88		
94.50	94.80	0.30	**RQFP**	**Rhyolite qfp**	w-m ser-chl		94.50	94.80	0.30	23993	99		
94.80	118.85	24.05	**BCU**	**Deformed fine bedded clastics**		5	94.80	96.00	1.20	23994	99		
						7	96.00	96.60	0.60	23995	99		
				55CA cnt	w ser	2	96.60	97.50	0.90	23996	95		
					m-s ser	2	97.50	98.45	0.95	23997	95		
				fault	w ser		98.45	99.00	0.55	23998	91		
					w-m ser-chl		99.00	100.55	1.55	23999	94		
					m-s ser	2	100.55	102.40	1.85	24001	94		
					w ser-chl, w sil	1	102.40	104.05	1.65	24002	95		
					m clay	2	104.05	105.15	1.10	24003	85		

SPICE **Hole: SP07-02** **Section: 500E**

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
					m cl- ser	1	105.15	106.30	1.15	24004	77		
					+w sil		106.30	106.80	0.50	24005	80		
					w clay, ser		106.80	108.20	1.40	24006	80		
					+w-m sil	<0.5	108.20	108.7	0.50	24007	85		
					m clay, ser		108.70	111.25	2.55	24008	85		
							111.25	112.9	1.65	24009	91		
						<0.5	112.90	114.45	1.55	24010	87		
							114.45	115.8	1.35	24011	40		
					w-m ser		115.80	117.35	1.55	24012	83		
							STANDARD 0.401 g/t Au			24013		400	
							BLANK			24014			
					w-m chl	0.5	117.35	118.4	1.05	24015	81		
				quartz vein zone		2	118.40	119.20	0.80	24016	91		
					m clay	<0.5	119.20	120.40	1.20	24017	87		
120.40	123.80	3.40	**RQFP**	**Rhyolite qfp cnt 50CA**	ser-chl	1-2	120.40	121.90	1.50	24018	75		
				cnt 60CA	ser-chl	3	121.90	123.80	1.90	24019	96		
123.80	139.00	15.20	**BCU**	**Fine clastics**	**foln**	**60CA**							
				fault	m cl, w ser	2	123.80	124.70	0.90	24020	91		
						0.5	124.70	125.90	1.20	24021	88		
				fault			125.90	126.60	0.70	24022	78		
				some gouge **gouge 10CA**	w clay	1	126.60	128.00	1.40	24023	78		
							128.00	129.55	1.55	24024	11		
							129.55	131.05	1.50	24025	45		
				foln 60CA		3	131.05	132.80	1.75	24026	24		
					m ser-clay		132.80	133.30	0.50	24027	57		
						2-3	133.30	134.70	1.40	24028	73		
					w clay-ser	1	134.70	135.65	0.95	24029	73		
					w ser, vw sil	3	135.65	137.15	1.50	24030	100		
					w sil	1	137.15	138.05	0.90	24031	39		
							STANDARD 0.401 g/t Au			24032		410	
					m sil	1	138.05	139.00	0.95	24033	100		
139.00	143.30	4.30	**UM**	**Felsic or talc alt'd ultramafic dyke?**	ser-chl-cl		**CNT 55CA** perpendicular to foln						
				quartz- carbonate stringers	w-m sil	1	139.00	139.90	0.90	24034	100		TS
							BLANK			24035			
				quartz- carbonate vein zone			139.90	140.20	0.30	24036	92		

SPICE **Hole: SP07-02** **Section: 500E**

From (m)	To (m)	Interval (m)	Unit	Comments		Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
				minor quartz- carbonate stringers				140.20	140.60	0.40	24049	92		
				quartz zone			1-2	140.60	141.10	0.50	24050	100		
				quartz- carbonate stringers			1-2	141.10	142.30	1.20	24037	100		TS
				more chloritic		s chl	0.5	142.30	143.30	1.00	24038	99		TS
						CNT	**75CA**							
143.30	153.90	10.60	**BCU**	**BCU fine clastics**		**foln**	**40CA**							
				Contact zone		w-m sil	2	143.30	144.85	1.55	24039	97		
	EOH							Duplicate of 24039			24040			
				some of dyke, deformed			1	144.85	146.30	1.45	24041	90		
						v w sil		146.30	147.00	0.70	24042	88		
							1	147.00	149.50	2.50	24043	95		
				very broken			tr	149.50	150.70	1.20	24044	46		
				pyritic fractures	**20CA**		1	150.70	152.40	1.70	24045	97		
				minor quartz stringers			1	152.40	153.90	1.50	24046	78		
								STANDARD 0.401 g/t Au			24047		415	
								BLANK			24048			
											EOH			
												AVG.	**69.4**	**REC.**
												AVG.	**27.1**	**RQD**

SUMMARY LOG **Hole: SP07-03** Section: 500E **Samples: 113** Page 1of 4

SPICE PROPERTY

Easting (m):	Northing (m):	Elevation (m):	Depth (m):
346765	6876466	790	127.4

Logger: J. Pautler
Dates: May 26-29, 2007

Depth	0m
Azimuth	195
Dip	-50
Method	Compass

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
0.00	7.01	7.01	**CAS**	**Casing** BCU cobbles	w lim, m sil	1	0.00	7.01	7.01	24053			
7.01	14.50	7.49	**RQFP**	**Rhyolite qfp,** dyke	m ser	**frcs**	**20CA**						
				yellow, quartz breccia stockwork	m-s sil, jar, cl	2	7.01	7.62	0.61	24054	51		
				yellow, quartz breccia stockwork	m-s sil, jar, cl	2	7.62	9.15	1.53	24055	66		
				yellow, quartz breccia veins	s sil, jar, cl	1-2	9.15	10.65	1.50	24056	60		
				banding 45CA	m ser-chl, jar		10.65	12.20	1.55	24057	89		
				crushed to minor gouge	w ser-chl, jar		12.20	13.70	1.50	24058	53		
					15CA	**gouge**	BLANK			24059			
				quartz breccia veinlets **35,55,75CA**	w ser-chl, jar		13.70	14.50	0.80	24060	27		
14.50	16.20	1.70	**BCU**	fine siliciclastics, mic quartzite		1	14.50	15.25	0.75	24061	27	75	
							STANDARD 0.401 g/t Au			24062		415	
				gouge	w clay	1	15.25	16.20	0.95	24063	27	120	
16.20	28.90	12.70	**RCLT**	**Rhyolite XL lithic tuff**	m chl	1-2	16.20	18.00	1.80	24064	45	120	
				fine quartz stringers	m-s sil	2	18.00	19.80	1.80	24065	17	115	
				some gouge	w-m sil	3	19.80	21.35	1.55	24066	77	190	
				fine quartz stringers	w sil	<0.5	21.35	22.85	1.50	24067	60	125	
				fine quartz stringers	w-m sil	1	22.85	24.40	1.55	24068	75	175	
				breccia zones	w sil	0.5	24.40	26.50	2.10	24069	70	90	
				Mixed RCLT, BCU, fault	m clay	1	26.50	27.50	1.00	24070	58	90	
				fault, fine quartz stringers	w clay	0.5	27.50	28.90	1.40	24071	28	75	
28.90	35.80	6.90	**BCU**	**Fine dark grey siliciclastics in flt**									
				fault	w sil	1-2	28.90	29.85	0.95	24072	63	40	
				fault	m clay	1	29.85	32.00	2.15	24073	36	20	
				fault, breccia		1	32.00	33.00	1.00	24074	61		
				fault	m sil	7	33.00	33.50	0.50	24075	61		
				fault, quartz rich	sil, wser-chl	3	33.50	33.95	0.45	24076	90		
				fault, minor quartz	sil, wser-chl	0.5	33.95	34.50	0.55	24077	90		
				fault **40CA cnt**	m-s sil	4	34.50	35.80	1.30	24078	83		
35.80	37.60	1.80	**RCLT**	**Rhyolite XL lithic tuff**	m ser-chl, sil	1-2	35.80	37.15	1.35	24079	76		
						3	27.50	37.60	10.10	24081	77		

SPICE **Hole: SP07-03** **Section: 500E**

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
							Duplicate of 24079			24080			
37.60	63.60	26.00	**BCU**	**Fine siliciclastics in fault**									
				fault			37.60	38.10	0.50	24082	77		
							STANDARD 0.401 g/t Au			24083		410	
					75CA	**foln**	BLANK			24084			
				brecciated, then silicified	s sil, vw ser	5	38.10	38.80	0.70	24085	97	50	
				finely brecciated, gouge	w chl-ser	<0.5	38.80	39.60	0.80	24086	97	55	
					w chl-ser, lim	1	39.60	41.15	1.55	24087	86	55	
				gouge	w clay	<0.5	41.15	43.00	1.85	24088	32	20	
				minor **RCLT, quartz**	m ser-chl	1	43.00	44.20	1.20	24089	96		
				gouge	w lim?		44.20	45.70	1.50	24090	51		
				breccia		1	45.70	47.25	1.55	24091	75		
				gouge, minor quartz	w clay	1-2	47.25	48.75	1.50	24092	57		
				gouge, crush	m clay	1	48.75	50.00	1.25	24093	96		
				gouge, crush, quartz	m clay, sil, chl		50.00	50.60	0.60	24094	93		
				gouge, crush, v minor quartz	m clay, w chl		50.60	51.30	0.70	24095	93		
				pyritic zone, fault, quartz clasts	w clay	10	51.30	51.80	0.50	24096	93	70	
				pyritic zone, fine quartz stringers	m sil	10	51.80	53.35	1.55	24097	85	80	
				pyritic zone, quartz	m sil	10	53.35	54.55	1.20	24098	70	95	
				pyritic zone, quartz	s sil	10	54.55	55.05	0.50	24099	44	120	
				pyritic zone, quartz	s sil	10	55.05	56.40	1.35	24100	44	120	
							BLANK			24101			
				pyritic zone, fault, quartz clasts	m-s sil	10	56.40	57.90	1.50	24102	84	80	
			(QVZ)	quartz rich zone	w-m sil	6	57.90	59.00	1.10	24103	37	75	
			(QVZ)	quartz rich zone	w sil	5	59.00	59.50	0.50	24104	37	45	
				fault, broken, crushed		3	59.50	60.95		24105	37	10	
							STANDARD 0.401 g/t Au			24106		405	
				more competent		2-3	60.95	62.50	1.55	24107	87		
				fault, broken, crushed, minor gouge		2-3	62.50	63.60	1.10	24108	97		
							Duplicate of 24108			24109			
63.60	73.30	9.70	**Cgl**	**Conglomerate in fault zone**									
				conglomerate breccia, gouge	m clay	0.5	63.60	64.15	0.55	24110	66		
				conglomerate breccia	w sil, m chl	3	64.15	65.55	1.40	24111	66		
				conglomerate breccia	sil, m chl	4	65.55	67.25	1.70	24112	100		

SPICE **Hole: SP07-03** **Section: 500E** Page 3 of 4

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
				conglomerate breccia	m-s cl, m chl	2	67.25	68.60	1.35	24113	78		
				conglomerate breccia	chl,w sil, cl	3	68.60	69.80	1.20	24114	100		
				conglomerate breccia		1	69.80	71.60	1.80	24115	95		
				conglomerate breccia	m chl, w cl	2-3	71.60	73.15	1.55	24116	96		
73.30	79.00	5.70	**Grit**	**Grit with fine conglomerate**									
				gouge, breccia	w sil	1	73.15	74.65	1.50	24117	93		
				fault, minor quartz stringers	w sil	2	74.65	76.50	1.85	24118	86		
				fault gouge	w clay	1	76.50	77.95	1.45	24119	99		
				stretched clasts	w-m sil	3	77.95	79.00	1.05	24120	100	10	
							Duplicate of 24120			24121			
79.00	82.75	3.75	**BCU**	**Fine BCU in fault zone**									
					w clay	2	79.00	79.70	0.70	24122	90		
				fault	w chl-ser-cl	1-2	79.70	80.75	1.05	24123	90		
					w-m sil, w cl	3	80.75	81.55	0.80	24124	97		
							BLANK			24125			
					m clay	1	81.55	82.75	1.20	24126	90	30	
							STANDARD 0.401 g/t Au			24127		405	
82.75	101.20	18.45	**Cgl**	**Grit to conglomerate in fault zone**									
					w sil, chl	2	82.75	83.80	1.05	24128	83	15	
				breccia	w sil	2-3	83.80	85.35	1.55	24129	23	45	
				minor quartz stringers	m cl, w sil	2-3	85.35	86.85	1.50	24130	23	65	
					w-sil	0.5	86.85	88.20	1.35	24131	81		
				tops downhole **Rqfp dy @45CA**	w-sil	1-2	88.20	89.90	1.70	24132	91		
				local breccia	w ser- cl-sil	1-2	89.90	91.30	1.40	24133	90		
				fault		1	91.30	92.95	1.65	24134	55		
				faulted conglomerate	w sil, clay	1-2	92.95	94.50	1.55	24135	58		
				fault breccia	m clay	1	94.50	96.60	2.10	24136	94	110	
					s clay	1	96.60	97.60	1.00	24137	81		
				conglomerate breccia	s clay	2	97.60	99.30	1.70	24138	99		
					w chl-ser	0.5	99.30	100.40	1.10	24139	90		
							Duplicate of 24139			24140			
		CNT	**50CA**	more quartz rich zone	m-s clay		100.40	101.20	0.80	24141	64		

Page 4 of 4

SPICE **Hole: SP07-03** **Section: 500E**

From (m)	To (m)	Interval (m)	Unit	Comments	Altn	py %	From (m)	To (m)	Interval (m)	Sample No.	Rec. %	Au (ppb)	Other (ppm)
101.20	127.40	26.20	**BCU**	**Fine BCU in fault zone**	m-s clay	<0.5	101.20	102.10	0.90	24142	64		
							BLANK			24143			
	EOH				m clay	0.5	102.10	103.65	1.55	24144	84		
					s clay		102.10	105.15	3.05	24145	31		
					vs clay		105.15	106.70	1.55	24146	80		
							106.70	108.00	1.30	24147	55		
					m clay	0.5	108.00	109.70	1.70	24148	43		
					w sil	2	109.70	111.30	1.60	24149	37		
					s clay	2	111.30	112.30	1.00	24150	77		
				bedding? 40-80CA	w ser-cl		112.30	112.75	0.45	24151	77		
					m-s clay	1	112.75	114.25	1.50	24152	37		
							STANDARD 0.401 g/t Au			24153		410	
							114.25	115.80	1.55	24154	95		
					w sil		115.80	117	1.20	24155	92		
					w ser		117.00	117.80	0.80	24156	95		
						0.5	117.80	118.85	1.05	24157	99		
							Duplicate of 24157			24167			
					w clay		118.85	119.7	0.85	24158	100		
							119.70	120.1	0.40	24159	100		
							120.10	121.6	1.50	24160	98		
					s chl-ser		121.60	123.15	1.55	24161	94		
						1	123.15	123.6	0.45	24162	81		
						0.5	123.60	124.65	1.05	24163	81		
						0.5	124.65	125.2	0.55	24164	70		
						2-3	125.20	126.5	1.30	24165	47		
				LOST CORE			126.50	127.4	0.90	No Sample	0		
							STANDARD 0.401 g/t Au			24166			
										EOH			
											AVG.	**70.7**	**REC.**
											AVG.	**21.2**	**RQD**

APPENDIX V

Drill Logs

(Refer to summary logs for sample data)

HOLE NUMBER: SP07-01

PROJECT NAME:	SPICE	**UTM:**	Nad 83	Zone 9	**AZ:**	**195**	**DIP:**	**-45**	**DEPTH:**	**158.2m**
HOLE:	**SP07-01**									
FINAL DEPTH:	**158.2m**	**Northing:**	6876624		**DOWNHOLE SURVEY:**				INKLIN	
DATE START:	4-May-07	**Easting:**	346802		**AZIMUTH:**		**DIP:**		**DEPTH:**	(m)
FINISH DATE:	14-May-07	**Elev.**	785m		198.5		-46.9		16.8	
LOGGED BY:	J. Pautler	**Grid Co-ord:**	L500E/420N		194.0		-48.0		47.2	
CORE SIZE:	NQ				201.4		-48.6		77.7	
DRILLING COMPANY:	Alliance Sonic Drilling Inc.				196.3		-47.8		108.2	
					197.4		-48.5		138.7	

PURPOSE: To test the highest gold in till anomaly of 13.9 g/t Au at the shaft or Pit 0 location with angular rock fragments yielding up to 1.21 g/t Au within the chargeability-high, resistivity-high zone along L500E.

SUMMARY: Entirely in fault zone. Intersected minor broken silicified, pyritized and listwanite zones within fault.

PROBLEMS: Alternator repair, blew fan belts, replaced broken radiator and fan, cut core tube and wait 2.5 days for replacement.

SAMPLE NUMBERS: 23903-23912 **109 samples** **ASSAY CERTIFICATES:** **2007-7013**

BLANKS:	23829	23850	23876	23899
STANDARDS:	23828	23855	23889	23907
DUPLICATES:	23821	Duplicate of 23820		
	23841	Duplicate of 23840		
	23877	Duplicate of 23867		
	23897	Duplicate of 23896		

HOLE NUMBER: SP07-01

Logged May 6 - 15

DEPTH (metres) From	To	Graphic Log 1:500	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
5.5	13.4	OVB	OVERBURDEN @ 5.5m - 0.4m recovered of rounded pebble to cobble sized fragment at start of interval - med grey silicified, thinly bedded (<1cm) mudstone to siltstones, fine conglomerate, fine qtz stringers (same as qtz behind drill), schiste and lim on frac - oxidized for interval - limonite - 50% of interval consists of similar material as above - 30% - limonite coated, light coloured pale buff - cream coloured fragments 2-3% grey qtz eyes fine translucent grey qtz stringers (1mm size), matrix aphanitic - possible qfp dyke? rhyolite composition; lim fracs - 20% white to light grey quartz with aggregate stringers, fracture fillings	37			m limonite w ser w-m sil (variable) occ. nil sil		23803	5.5	10.3
		Cgl								grab of cobbles	pebbles
		Sil, py →									
			@ 6.0 - 6.25m) 0.25m of soil overall light brown-buff coloured with brick red soil for top. Some off white weak leached material; organics at bottom 2cm and 3cm organic layer at bottom	100				SOIL	804	6.0	6.25
		Rofe bx								of red brown soil	to brown soil near top
			(6.25m - 7.5m) 0.15m of med to light grey strongly silicified and crackled to brecciated rock, bottom of interval of ? possible flow banded rhyolite with occ remnant qtz eye? or sil fine clastic; graphitic frack fillings; py content and brecciation increases downhole; py occurs as very fine dissemination and aggregates in qtz frac fillings, breccias are 0.1-3cm size	40			s. sil	1-2%	805	6.25	7.5
		Rofe bx									
		BMYL	(7.5-8.0?) mid-brown soil - till - sandy with 50% small pebbles of same as in 0-5m above. ± 50% variably sil clastics, 30% rhyolite? 20% qtz.	25			± w lim on pebbles			7.5	8.0
										NOT SAMPLED Dumped Core	

80m

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	STRUCTURE Angle 1°CA	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			80m								
			70% overall								
			8.0-10.3 - pebbles to occ cobble of variably wl to mod silicified clasts (mdst to fine cgl); mostly well brecciated fine cgl in lower 2/3 of interval with few mm to 2cm angular to subang frags of elastic host (sil) and ± 40% qtz, some (few %) dark carbonaceous clasts; lower 2/3 all bx except for 1.9cm length at bottom of mud grey unsilicified grit grading at bottom to fine cgl.	100	±lim frcs	15	w-m sil ± to s. sil w ser. ± w lim on frcs and coating rhy?	tr py	23806	10.25	10.4
			upper 1/3 section - above bx - generally same as 0-5m with 50% variably sil clastic seds, 30% rhy., 20% qtz								
	cgl		10.3-13.4 1 piece of grit-cgl that fits onto 9cm piece above	0						10.4	13.4
											No sample
13.4	16.5		FAULT ZONE								
			FAULT hosted by grit to fine cgl, mod grey to primarily pale greenish-grey colour, tr py in fault cont ≤ 50% of zone mod grey clay gouge; py as fine diss + aggregates	10			m ser, s clay	½% opy	23807	13.4	16.5
	grit-cgl?										
16.5	2255		FAULT in? Cgl								
			pervasive greenish colour, well foliated-platy strongly friable, ± crumbly, some	8			m chl m-s clay s ser.		23808	16.5	22.5
			19.5-22.6 minor ep pistachio green				+ W ep.				
	*		NB core box dropped at drill, logged to 22.6 but not sampled								
			Not logged or sampled from 22.6 to approx. 30.0								
			158.2m								
			EOH								

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	RECOVERY %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			BCU - cgl.								
22.55 approx	25.6		Approximate since core box dropped prior to logging this section - order not known ? FLT, primarily in fault zone with m.grey appears to be cglomerate; grey clay gouge interspersed with more competent sections of pitted crumbly fine conglomerate, moderately graphitic, w-m sericite alteration in matrix with 2-3% py; clasts generally < 1cm. variably mod-strong silicified sections of cgl. ± crackled to breccia texture. some qtz fragments, minor sericitized Rhyolite qtz fragments	38			w-m clay, w ser ± m-s sil	2-3 py	23809	22.6	25.6
25.6?	30.2	?	Deformed. Altd Conglomerate: med grey to cream col. fine matrix w. fragments to 1cm, commonly - hard, siliciceous, almost cherty - resembles welded XL lithic ash tuff with 20% clasts up to 1cm of geldsby shards, chert-like, pyritized. possible lithic clasts up to 7 mm size, some elongate; pyritic clasts are cut by fine amorphous qtz strs (< 1mm in size). Minor anhydrite as fracture fillings - Approx. sample interval due to dropped box. pieces generally fit together and match with next section	15			m-s sil m anhydrite.	6 py	23810	25.6	30.2
30.2	31.8		Deformed Cgl. ? in FAULT ZONE 80% of zone crushed rock with clay, occasional competent section of brecciated, silicified compressed cgl - resembles as above. from 25.6-30.2 - med grey colour, occ pale greenish sericite altd section.	50	gouge	20° welded tuff	m clay, ± m-s sil ± w ser due to compression	3 py	811	30.2	31.8
31.8	≈38.6		FAULT ZONE as variable med grey to green 0.5 to 2m sections; green sections appear to be chloritic ± w-m ser and local ep altd zones within it.				± w-m propyllitic m-s clay - med grey				
			@ 31.8 - 32.4 - 70% grey clay gouge. - 30% crushed grey rock	79			± prop, s-m clay	< 1 py	812	31.8	33.3

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	RE C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 32.4 - 35.0 propylitic alteration crushed rock with clay, breccia textures - some zones with distinct remnants concentrations of fsp - resembles lithology from 31.5 - so possibly volcanic but may be highly structurally deformed cgl.	79			m prop., w-m clay	2 py	33813	33.3	34.75
			@ 35.0 - 38.6 - generally not green but occ 5-10cm prop alt zone	46			w-m clay	3 py	814	34.75	37.8
			@ 37.8 to approx 38.6 - very poor recovery of above unit - rubble to clay gouge, finely as aggregates - represent clasts → NB 3-4 pieces of drill bit found after assay!	52			m clay	1-2 py	815	37.8	38.6
38.6	46.95		CGL Conglomerate of Bedded Clastic unit (BCU) - overall medium gray to dark gray graphitic matrix with lighter clasts of mudstone and siltstone and sandstone; approx 10% white qtz clasts and <5% rhyolite afp clasts ± sericite altered R qfp fragments increase in abundance downhole occasional larger 5-10cm size clast of thinly bedded (<1cm) fine clastics; clasts generally rounded to subrounded, occasionaly stretched due to faulting	bedding		55	± m clay ± wser, mchl due to brecciation	3 py			
			@ 38.6-38.85 - rubbly due to above fault zone; R qfp clasts abundant, generally sericite altered ± chl - breccia	52			wchl-ser	5 py	816	38.6	40.8
			@ 38.85 - 46.95 - overall fairly competent cgl with fine dissem py in matrix and 5% py clasts with aggregates of fine py with subrounded shape, some elongated - propably original clasts								

HOLE NUMBER: SP07-01

DEPTH (metres) From	DEPTH (metres) To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	SAMPLE DATA From	SAMPLE DATA To
			@ 41.4 - 43.9 minor green clay in matrix of cgl. ± silicified @ 42.1 - 42.6 - minor x cutting by veinlets at 80° - distinct foln due to deformation @ 30°	43	foln bx vnlts	30 80	w clay, ± m sil w ser	3 py	23817	40.8	43.9
			@ 43.9 - ≈ 45.5 dominated by green clay-sericite altered clasts ± w chl of Rqfp up to 2cm, commonly stretched out due to structural deformation resulting in almost banded texture except for remnant silcd sedimentary clasts and qtz clasts; some stretched + altd Rqfp wrapped around other clasts; fsps are altered to orange-brown clay? or anhydrite	51	foln bedding?	25 60	m ser w clay ± w chl	1 py	818	43.9	45.5
			@ 45.5 - 10 cm qfic clay gouge, dk grey to black followed by bleached qfic conglomerate with 35% clasts of plastic sedimentary rock, lesser Rqfp ± ser and vw chl altd and lesser white qtz - py in matrix with graphite (gf) as fine disseminations and as aggregates of fine py (appears to be replacing clasts) CNT - broken	51	FLT CNT	35	clay, ± w ser vw chl	4 py	825	45.5	46.95
46.95	51.5		RHYOLITE QFP (qtz fsp porphyry) breccia Light grey coloured, Rhy QFP - brecciated due to faulting ≈ 3-5% qtz ± eyes, 5-20% fsp s, variably altered to clay and ser-chl @ 46.95 - 47.2 Rqfp breccia fragments (very angular) in graphitic matrix with rock fragments, and py as disseminations and aggregates to 3 mm @ 47.2 to 47.5 - more competent rhyolite qfp variably silicified and with crackled texture with graphitic partings which have fine pyrite	97			3 py ± w-m sil	3 py	819	46.95	47.7

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 47.5 - 47.7 clay fault gouge in Rgfp		FLT gouge	35					
					CNTS	85					
			@ 47.7 - 50.8 appears to be brecciated Rgfp overprinted by silicification; Rgfp fragments are lighter grey than normal and very hard, remnant ghost white fsps and qtz eyes visible; matrix is pale greenish chl-ser. - softer; 1cm frags common but up to 3-5 cm	97			m sil? m chl-ser	1-2 py as fine aggregates, clots	23820 23821	47.7 DUPLICA	49.2
			@ 49.6 - 49.7 graphitic bx stringers with small frags of Rgfp in graphitic matrix and minor fine py	95			"	1-2 py	822	49.2	50.8
					gf strs	30, 55					
			@ 50.8 - 51.5 - more brecciated than above with more py in with graphitic matrix; matrix only 10-15% ± minor fault gouge	90			"	5 py	23823	50.8	51.5
			FLT CNT		FLT CNT	20°					
51.5	59.9		Cgl (Conglomerate)								
			@ 51.5 - 51.9 - rubbly								
			@ 52.0 - 6 cm of fault gouge - crushed rock		FLT gouge	35°	w sil? ± w-m chl-ser				
			@ 51.5 - 53.4 - strongly deformed and silicified conglomerate, generally thinly banded with discontinuous bands formed by stretched out cgl fragments and matrix. - resembles welded tuff but not; Fsp and minor qtz eyes evident due to deformed clasts of Rgfp - dark greenish gray to med greenish colour in zones with more or larger clasts of Rgfp; fine py dissem in matrix competent; salmon coloured phenos - alt'd fel dspars?	92	banding	70°	s sil ± m ser-chl	1-2 py	23824	51.5	53.4
					on secondary	ankerite or dolomite??					
(53.4 - 58.3) FLT			@ 53.4 - 54.3 - FAULT ZONE in Cgl with clay gouge, crushed rock, sericite altered, brecciated, milled conglomerate.	100	FLT	30°	m clay - ser	<1 py	826	53.4	54.3
					foln	55					

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Le
			@ 54.3 - 56.1 Cgl pale green Sericite alt'd cgl, deformed, clasts rotated, some elongated and forming bands; clasts sets as clasts, Rgfp, grey + lite gtz fm. dissem py, fn graphitic clasts which are <5%; - 15cm argillaceous grit clast at start, minor up to 1-2cm gouge zones parallel to foln.	100	foln gouge	60° 60°	m ser w clay; w talc Serpentine as clots	1 py tr. marcasite	23827 828 829	54.3 STANDARD BLANK	56.1	
			@ 56.1 - 57.4 silicified zone in Cgl. with 30% clay gouge to crushed zone primarily in centre; overall med grey to minor pale greenish; fine py in matrix with graphite and as frc fillings with gf in more siliceous zones; orange to Salmon coloured frc fillings and phenos and clots (possibly related to metamorphism/deformation) dolomite? - weak fizz with HCl when scratched or ankerite	93	foln	25	m-s sil w ser, m talc, serp	3 py	830	56.1	57.4	
			@ 57.4 - 58.3 more gouge in zone; 50% gouge; 30% crushed rock, few more competent sections of grey to green cgl; some Rgfp clasts Purdent salmon-dol? present as phenos, fracture fillings serp. in matrix as discont. lenses. and possibly selective clasts	93	gouge orange ankerite or	30°	m clay - w ser, w-m talc, serp	2 py	831	57.4	58.3	
			@ 58.3 - 59.9 mod silicified less deformed cgl. - 2 large clasts at each end of interval of black argillaceous clasts 25 and 30cm; rest more typical cgl with ~0.5cm clast size some 1-3 cm, ankerite? salmon col frc fillings, phenos - one 10cm Rgfp clast green translucent serp. as elongated discont patches in matrix; minor selenite as fracture (frc) fillings, powdery talc	93			m sil, m talc w ser selenite serp.	<1/2 py	832	58.3	59.9	

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
59.9	64.2		RHYOLITE Quartz Feldspar Porphyry (RqfP) @59.9-15cm CNT ZONE - gradational over 15cm - irreg bands of black graphitic (clastics) and sericitic (RqfP) clasts, minor pyic clast in cgl bands and fldr - py ± selenite clasts @ 60.05-64.2 Dominantly Rhyolite QFP pale greenish overall colour with swirls of graphitic dark grey grit lacking material - breccia stringers, frc fillings cutting RqfP? 5-10% salmon (ankerite?) coloured clots, frc fillings, phenos - possibly ankerite porphyroblasts	93	CNT	50°	W clay-ser-talc	2 py	23838	59.9	61.1
			@ 60.05-61.1 as above				W clay-ser-talc sap	1-2 py			
			@ 61.1-62.2 - grades silicified with fine dark py rimming ankerite? clots up to 7cm long and more py as frc fillings - crackled texture - some rounded graphitic grit clasts within RqfP	93	frcs py	30, 130, 05, 75	+ w sil	3 py	834	61.1	62.2
			@ 62.2-64.2 - more silicified and more dominantly RqfP, acc cgl section up to 10cm (dark grey matrix, frags clastic clasts and lesser qtz) - appears to be a larger fragment within the RqfP; many fine 0.5-1cm clasts of cgl within RqfP, then silicified later - fine py frc fillings ± graphite (gf) - salmon col ankerite? porphyroblasts	86	"	"	m-s sil overprinting earlier w ser.	3-4 py	835	62.2	64.2
					py frcs	05 75 30					
64.2	-		CNT - flt contact with clay gouge with py-ankerite? (salmon buff col) stringer near contact		FLT CNT ank-py str.	30 15			836	64.2	65.6
	65.6		CGL - RQFP Breccia FLT Cgl and RqfP sections, brecciated RqfP cutting cgl and then brecciated and followed by ductile deformation with gbic matrix of cgl surrounding clasts incl. stretched out clasts of RqfP; some large zones of Rhy qfp (20cm) have crackled texture.	83			W-m ser. w talc	3-4 py			
					foln	60					
			CNT - fault gouge		CNT	60					

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
65.6	68.3		Cgl in FLT ZONE black graphitic conglomerate in fault zone with fault gouge @ 65.7-65.8m and 67.9-68.3 m. Typical cgl with clasts 0.5-1cm in fine clastic grit matrix and occ larger 2-5cm fine clastic fragment, <5% wte gtz clasts CNT - broken gouge before black	48	CNT	60°	vw talc-serp in clay-ser	<1 py	23837	65.6	68.3
68.3	69.0		Blastomylonite? Zone light off white to creamy buff coloured generally very thinly banded (few mm) - bands appear to consist of 1-2mm and less of broken grains @ 68.3-68.65 - brecciated and fractured @ CNT ZONE with 1-3cm angular fine pyritized possible bx fragments for 15cm from CNT, and fine py in matrix below this, some remnant rounded wte gtz clasts and elongated white deformed clasts // foln @ 68.65 - 69.0 - more regularly v. thinly banded with local disrupted layers CNT - fr/flt	92	fres foln CNT	65, 50 60° 75	w chl-ser-talc-serp	5 py	838	68.3	69.0
69.0	70.0		Cgl - bx Fault zone. up to 15cm lengths of cgl interspersed with clay gouge and crushed rock rotated clasts in cgl. CNT broken - gouge above CNT	91	CNT	55	m-s clay w ser-talc serp	1 py	839	69.0	70.0
70.0	75.2		BLASTOMYLONITE ZONE? v thinly banded off wte - creamy buff, occ 1cm graphitic bx band and 0.5-1cm talc-ser band, minor flecks of mariposite - one 10 cm section of bxed cgl appears highly deformed with broken mostly fsp, gtz grains, abundant sericite along foln with lesser graphite - possibly arkosic phyllite but clastic texture suggests blastomylonite, metamorphic pseudoblasts evident in previous section.	92 93	banding (foln)	70°	m clay-ser-talc carbonate? serp "	2-3 py mariposite 2 py	840 841 DUPLICATE 842	70.0 70.0 71.3	71.3 71.3 72.7

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			fine py assoc with deformed qtz bands and patches generally 1-3 mm wide and patches 1-2 cm, irregular margins; occ fine wte qtz stringers		foln banding	65					
					py strs	45, 20					
			@ 72.0-72.3 broken, some fault gouge		gouge	55					
			@ 72.7-73.1 broken, rubbly, minor gouge	93			"	2py	23843	72.7	74.25
			@ 73.4 1cm qtz-clay-py vnlet-carbonate-doesn't fizz		vnlet	15					
			@ 74.25 - as above but mod-weakly silicified from 74.25-74.45 with deformed grey qtz bands (remnant stringers) and 1 white #3, not fizzing barite or carbonate in strs, fine py in matrix as dissem + aggregates	68			" tw-msil	3py	23844	74.25	75.15
			@ 74.45-74.9 sil cgl bx. with clastic sed + qtz rounded clasts and angular clasts of tan coloured Blasto mylonite (Listwanite?), minor py in gfic matrix but most in listwanite? clasts; minor talc in clasts				± talc-sep				
			@ 74.9-75.15 as at 70-72.7								
			CNT 10°		CNT	10°					
			FLT ZONE 75.2 to 90.5+								
75.2	106.7		Fault zone in Conglomerate - overall m.grey colour								
			@ 75.15 ≈ 77.5 - Fault zone graphitic black colour; fault gouge, crushed rock - mins competent sections m-s sil of bxed probable cgl based on section below - gypsum vnlets/strs at CNT - overall cracked to bxed texture - sericitic clasts overprinted by sil, salmon col anhenite? porphyroblasts	66	frcs	65	m clay ± w-msil w/ earlier ser.	1py	845	75.15	77.4
					gyp strs	10°					
					frcs	50, ±40					
			@ 77.5-79.0 - graphitic fault zone - crushed rock, rubbly mins gouge	43			" "	<½py	846	77.4	79.0
			@ ≈ 78.1 - ≈ 79 few wte qtz vnlets up to 1cm wide - milky		qtz vnlets	10-15°					
			minor py at start of interval from 77.4-77.5								

HOLE NUMBER: SP07-01

DEPTH (metres) m	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Le
			- med grey colour as opposed to black									
			@ 79.0 - 82.0 ± more competent cgl breccia more obviously originally cgl with obvious subtound clasts of fine clastics and qtz - ± 5% qtz in zone as rounded clasts and elongated clasts and brecciated vnlets - qtz in wte milky veinlets as above ± minor stibnite; cgl is harder than normal, med gy colour, appears less bxed from 80.45 - 81.6	43			w-m pervasive sil	NV py	23847	79.0	80.45
			- some large banded fine clastic sed clasts up to 4-5cm; possible minor anhedrite on frcs from 81.6 - 82.0 (orangish)	84			± vw carb	1 py	848	80.45	82.0	
			- some stibnite noted on frcs after spot		frcs	10°						
			@ 82.0 - 88.3 more strongly faulted than 79.0 - 82.0	84			w-m clay	½ py	849	82.0	83.5	
			@ 82.0 - 83.5 similar to 75.15 - 77.4 rubbly, crushed rock and minor gouge. ± 5% qtz in section as brecciated wte qtz vnlets similar to above zone, some older						850	BLANK		
			some more competent sections with vw sil clay rich crushed section at bottom of interval; wanhedrite? in frcs	gy	deformed qtz		stringers ± w sil					
			@ 83.5 - 86.5 more competent and foliated with disrupted zone; buff-brownish grey colour possibly due to anhedrite bltg in - foliated due to deformation local silicified sections - primarily crushed rock - prob originally cgl. local sericite zones with ser along foln @ 85.0-85.1 w clay-gt gouge.	90	foln	55	± vw carb						
			@ 86.55 - 88.3 - 30% crushed zones ± clay gouge; rest more competent sil bx as above minor fine gypsum? strs minor fine py in some altered zones in matrix	90			± w sil w-m clay ± w carb ± w ser tr talc along foln - wk powdery		851	83.5	85.0	
								<1/2 py disont aggregates along foln	852	85.0	86.55	
				93	gouge foln	20° 20	m clay ± w sil	1/2 py	853	86.55	88.3	
					gouge	15-20						
			@ 88.3 - 89.4 - foliated w-m locally strongly silicified with fine py along foln and fine fillings; minor gypsum along foln; possible Rytp fragment 5cm @ 88.8m (near Ryfp dy?)	93	foln	20	+ w-m sil	3-4 py	854	88.3	89.4	
					foln	55			855	STANDARD		

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			- black almost pseudotachylite looking @ 89.3-89.4 ghosts of rounded sutured probable bx clasts in matrix supported brownish-black "pseudotachylite"								
			@ 89.6 - 91.0 competent bx, probably in cgl. Variably weak to mod. silicified, ± anthentic (orange coloured) from 90.0 - 90.4 locally gypsum in frc fillings and interstices of fragments, crackled to bxed texture, black stretched out shard like frags (~3mm size) generally along foln - graphite ± py ± ? also py as dissem and in frc fillings	frcs lesser frcs foln	20-30 70. 50	w-msil w talc ± w carb w chl	2py	23856	89.6	91.0
			NB ∈ @ 90.6		CNT gouge	60°					
			91 - 91.4 crushed rock to clay gouge with lenses of py to 2cm - fine py - possibly replaced clasts, also py along fol'n and as aggregates in matrix				m clay m sil.	5py	23857	91.0	91.4
			@ 91.4 - 91.55 Rhy qfp fragment ?				msil	1py	858	91.4	92.4
			@ 91.55 - 92.4 - as in 89.6 - 91.0 but grades more sil ↓ silicified bx, then crackled - weakly brecciated?				m-s sil w talc				
			@ 92.4 - 93.5 more graphitic probably cgl unit, highly deformed, minor weakly sil. zones, intermittent deformed qtz veinlets (<1cm), ± gouge zone with clay gouge				w clay	3py	859	92.4	93.5
				w foln	85						
				w foln	55						
			Gouge CNT with talc) - may be with fragment	CNT	10°						
Rqfp		←	@ 93.6 - 94.1 pale green (sericitic looking) - but more intense) hard, siliceous crackled aphanitic with large qtz eyes up to ~6mm and ~6 - 7 mm fsps commonly euhedral and some in xl clusters - Rqfp ? ∈ @ 94.0 m					1py	860	93.5	94.1
				frcs	25, 65						
				± CNT gouge	65						

HOLE NUMBER: SP07-01

DEPTH (metres) m	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Le
			@ 94.1 - 95.7 clay gouge and crushed rock; - appears to be mixed green as in 93.6 - 94.1m and graphitic. BCu (probably cgl)				m clay	tr py	23861	94.1	95.7	
			@ 95.7 - 98.75 overall med grey colours, (weakly graphitic) locally light grey to pale greenish (ser. altd.) deformed greyish qtz vn lets along foli up to 1cm wide		foln	70, 55	local weak ser	tr py	862	95.7	98.75	
			@ 98.75 - 102.1 - rubble of above @ 101.8 - 102.1 rubble and clay gouge and darker grey-black colour (more graphitic)					tr py tr py	863 864	98.75 101.8	101.8 102.1	
			@ 101.2 - 106.7 more competent Cgl-bx foliated to crackled texture med grey colour with local lt greenish sections? due to serpentine (H 2-3) ± translucent									
			@ 101.2 - 103.5 - greenish serpentine (darker col than in 23860) w clay beside zone foliated with fine to 1cm bands to crackled texture with 30% clay gouge zones		frcs foln foln gouge	35 85 50 35	m serp ± w sil	tr py	865	101.2	103.5	
			@ 103.5 - 104.85 - more bx texture appears to be some original cgl clasts, v w chl alt'n CNT - 1cm ± chilled looking margin		gouge CNT	25° 10°	vw chl w clay	1-2 py	866	103.5	104.85	
			@ 104.85 - 106.7 silicified lighter grey + greenish colour. Can see definite ghost cgl then brecciated, silicified. from 106 - 106.4 :- above 106.0 silicified dacite? with stretched py aggregates forming a lineation - in places can see they appear to be in matrix; 0.5cm gouge seam @ 106.0° gfic frcs ± py along them				s sil	3 py	867 877	104.85 DUPLICATE of 867	106.7	
					gouge gfic frcs	65° 05, 35						

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			FLT ZONE in BCu grit								
106.7	113.2		@ 106.7 - 116.9 FAULT ZONE crushed rock and gouge possibly in coarse to m. grit of BCu - no obvious remnant cgl textures								
			@ 106.7 - 107.9 - m grey local greenish colour ± 70% crushed rock and gouge		foln	70°	m clay ± w ser ± v. local sil	1 py	23868	106.7	107.9
			@ 107.9 - 109.4 crushed rock weak gouge. local greenish col almost cp looking but sft in matrix - same as in 23860				-w chl, w clay	—	869	107.9	109.4
			@ 109.4 - 110.95 very rubbly deformed folded patterns, minor gouge, 2' of ground core at bottom, med gy colour		foln	60, 80	w clay, m ser	—	870	109.4	110.95
			@ 110.95 - 112.5 - med grey, crushed rock similar to 109.4 - 110.95		foln	70	" "	—	871	110.95	112.5
			@ 112.5 - 113.2 - crushed as above, foln evident, 25% clay gouge. CNT - good & sharp CNT		foln CNT	80 55	m clay - ser	—	872	112.5	113.2
(113.2	113.7)		Rgfp @ 113.2 - 113.7 - lt grey unit (± cp col.) Sericitic ? possible Rgfp dyke or fragment in fault bx - same as in 23860 larger qtz eyes than regular Rgfp and fsps + fsp clusters, some qtz bx in frcs - Fault definitely post Rgfp and appears to be pre sil. CNT - fault CNT		frcs CNT	35, 20 20°	m-s ser ?, vw clay ser-chl mix ?	½ py	873	113.2	114.0
113.7	116.9		@ 113.7 - 114.0 - crushed rock, med grey bxed cgl - BCu, minor clay gouge				w clay - m ser				
			@ 114.0 - 115.5 - crushed rock to cataclasite, deformed probable cgl to c.grit minor deformed white qtz veinlets to 1cm, and trace wil. sections with minor fine qtz stringers		foln	70°	w chl, m ser ± vw clay w-m sil. - very local	—	874	114.0	115.5
			@ 115.5 - 116.9 - rubbly to clay gouge sections (20%) - 20% of qtz in zone generally along foln up to 3cm wide except @ 116.7 - 10cm TW offsets to grayish crackled qtz vein cut by graphitic frcs				w clay	—	875	115.5	116.9
									876	BLANK	

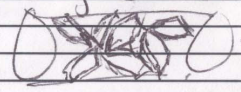
HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
116.9	118.55		@BCU - deformed coarse grit? med. greenish grey colour, ser-chl-gf layers alternate with broken qtz, fsp layers.				w ser-chl				
			@116.9 - 118.3 - competent local pyic frc fillings @ 118.05 - 5cm of deformed qtz vnlets < 1cm 4 vnlets over 5cm., w-m sil host rock - 1 period of sil. pre deformation?		py frcs	05	w ser-chl + w-m sil	< 1/2 % py	23878	116.9	118.55
					foln	80°					
			@118.3 - 118.55 crushed rock due to fault - same unit as above				m ser				
118.55	119.0		Rqfp in Fault								
			@118.55-119.0 green chl-ser Rqfp? as in 23860 with large qtz eyes and fsps more deformed than in 23860 with qfic matrix in fault zone.				± w sil, m ser-chl	-	879	118.55	119.0
			FLT CNT		CNT	45					
119.0	132.3		Fault Zone in BCU - c. grit to possible local cgl beds.				w-ser chl				
			@119.0-120.35 - 40% clay gouge 50% crushed rock, 10% competent deformed grit ± bxed. FLT - m grey to black (qfic)				m clay-ser	-	880	119.0	120.35
			@120.35-121.6 - as above in FLT zone but minor clay gouge most crushed rock some green probable Rqfp fragments - bxed, local sil sections (< 10%)		frcs	30°	± w sil; w ser	tr py	881	120.35	121.6
					foln	60° + possible bedding?					
			@121.6-123.75 FLT qfic, rubble, crushed rock - probably BCU - grit		foln	80°		1/2 py	882	121.6	123.75
			@123.75-124.65 FLT qfic, dissem py ± local w sil more competent sections.				+ w sil	1 py - along fols within qfic	883	123.75	124.65
			@124.65-126.4 FLT rubble, qfic, local more competent sections with carb-qtz-py strs, and minor deformed qtz qtz vnlets < 1cm		foln	80°		1/2 py	884	124.65	126.4
					carb-py strs	40°					
					CNT	± 50° - bedding??					
			@126.4-126.9 tan coloured, possible arkosic interbed in BCU, soft, crushed and w clay from 126.4-126.7, then more competent - similar to section @ 70-75m minor qtz carb irregular strs.					-	885	126.4	126.9
					CNT	40°					

HOLE NUMBER: SP07-0

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 126.9 - 129.25 - faulted BCu gfic gvt to sdst/sts, deformed, local more gfic zones with more dissem py and py bands but dissem py throughout		foln	65		½-1 py	23886	126.9	128.
					py bands	65					
			@ 128.3 - 129.25 - rubbly with deformed gy qtz vnlets ≤ 1cm local surrounding sil.				±w-m sil	1 py	23887	128.3	129.
			@ 129.25 - 130.45 more competent faulted BCu, m. gfic med grey colour					½ py	23888	129.25	130.
			@ 1.5cm qtz vnlet along foln						23889		STANDA
			@ 130.45 - 130.75 rubble of above		gouge	60°					
			@ 130.75 - 130.95 - m sil BCu in fault deformed qtz vnlets				m sil	½ py	890	130.75	132.
			@ 130.95 - 131.3 - rubble - possible some wash - ≈ 40% qtz + sil pieces ± py in qtz and in gfic host, minor pieces of 23891				± s sil	1 py			
			@ 131.3 - 131.5? - more faulted crushed rock but siliceous, silicified								
			@ 131.5? - 132.3 - fault crush to minor gouge - major core loss at cnt		gouge at cnt	20°					
132.3	153.8		LISTWANITE ZONE in FLT overall pale green + off white - tan colour abundant manipos ik, fine aggregates of py throughout few mm size, locally banded to brxed to gouge zones, locally silicified locally pyric fx fillings, local qtz - wtz to translucent ± opaline and qtz-carb stringers				qtz-carb-manip-py (listwanite)	2-3 py			
			@ 132.3 - 134.9 Silicified listw overprints qtz-carb-man alt'n				m-s sil	3 py	891	132.3	133.6
			qtz-carb strs - vnlets up to 1cm and 0.4cm		foln	35					
			dk. grey qtz strs.		strs	40°	"	3 py	892	133.6	135.35
			@ 134.9 - 135.35 - rubbly, broken, local clay gouge zones				w clay				
					gouge	50°					
					foln	50°					
			@ 135.35 - 136.85 NO CORE						NO	SAMPLE	

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Length m
			@136.85 - 138.4 - mixed rubble - appears to be WASH! Sampled but prob. WASH, round pebbles of LIST + gfic BCU LOST CORE				list	1py	23893	136.85	138.4	
			@ 138.4 - 140.0 LIST with mixed dk grey (gfic) BCU (clastic seds) - bxed - qtz rimming sed clasts in bx ↳  - picture (photo)		foln FLT	65 30	list ± sil	1-2 py	894	138.4	140.	
			@140.0 - 141.15 - silicified listw bx very very hard: py as dissem and frc fillings		frcs	35, 45	list + m-s sil	4py	895	140	141.15	
			@141.15 - 142.45 - LIST, grading less bx; not sil. minor qtz - carb vn lets to 1cm		foln Vn lets	55 45	listw	2% py	896 897	141.15 DUPLICATE of 896	142.45	
			@142.45 - 144.5 - sil List as in 140 - 141.15 but not bxed → banded - local ~~pink~~ ox hemic zones; from 142.95 - 144.5 → broken up; magnetic sections near reddish zones ∴ prob mte breaking down to hematite; v minor qtz strs		banding strs	55 05	listw + s. sil.	3py; 1 mte	898 899	142.45 BLANK	144.5	
			@144.5 - 145.05 - less sil, mte as fine dissem + aggregates. minor fine qtz - strs		strs	30	list + ms.sil	2-3py 1 mte	900	144.5	145.05	
			@145.05 - 145.8 - listw, minor fine qtz strs; vuggy △ holes due to bxiation, minor gouge.		strs Banding (foln)	05 35	list	1py	901	145.05	145.8	
			@145.8 - 146.9 - mod. sil. listw grading less sil ↓, local △ vugs (bxiation) some longer vugs; local fine qtz strs, grish colour, minor mte as dissem, aggregates CNT broken		strs	10, 35	M - W sil	1py, ½ mte	902	145.8	146.9	
			@146.9 - 150cm of gfic BCU with fine py discont laminations and minor dissem followed by gfic and listw gouge with dominantly listw (manposite beanite) gouge @ end of interval for 20cm. (NB 147.5 black in centre)				± list ± m clay		903	146.9	148.3	

HOLE NUMBER: SP07-01

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@148.3 - 149.25 - listw bx, Δ vugs due to bxiation		CNT gouge	35?	list tm sil tr serp?	1 py	23904	148.3	149.25
			@148.9 - 35° sharp CNT with more gfic section but still mixed with listw.		CNT	35					
			150.2		CNT	40°	m clay - serp/marip	1 py	905	149.25	150.2
			@149.25 - FLT gouge to crushed rock med gy-green colour		gouge	40°	vw serp?				
					gouge CNT	40-45					
			@150.2 ≈ 151.5 - silicified gfic mixed BCU - LIST bx in fault zone mixed with clay gouge. less mariposite, possible serpentine, minor qtz ± carb strs and coating bx clasts				listw, w clay serp? tw-msil	½ py	906	150.2	151.5
									907	STANDARD	
			@151.5 - 152.1 green-grey gouge to crushed rock serp - maripositebearing gy clay gouge				w-m clay, list serp	½ py	908	151.5	152.1
			@152.1 - 153.6 - as above with local sil. sections with Δ vugs bxiation				± local w-m sil	1 mte	909	152.1	153.6
			153.4-.6 - some BCU mixed in								
			@153.6 - .8 - listw. zone ± gouge				w clay				
			@153.8 - 20cm med grey putty like clay gouge						910	153.6	154.0
CNT					gouge	85°					
154.	158.2		@154.0 - 158.2 BCU - in FLT fine clastics argillaceous sts to sts to sdst-grit interbeds up to 30cm wide								
EOH			@154.0 - 154.7 - as above minor deformed wtx qtz veinlet		foln	80		1 py	911	154.0	155.15
			@154.7 - 155.15 - rubble of same								
			@155.15 - 156.6 NO CORE - lost						No Samples		
			@156.6 - 158.2 as above - sdst - C grit of BCU in FAULT ZONE, local deformed wtx					tr py	912	156.6	158.2
			< 1cm qtz vnlets; poor rec.								
			EOH								

EOH

HOLE NUMBER: SP07-02

PAGE 1 OF 20

PROJECT NAME:	SPICE	**UTM:**	Nad 83	Zone 9	**AZ:**	**195**	**DIP:**	**-50**	**DEPTH:**	**153.9m**	
HOLE:	**SP07-02**										
FINAL DEPTH:	**153.9m**	**Northing:**	6876540		**DOWNHOLE SURVEY:**				INKLIN		
DATE START:	16-May-07	**Easting:**	346782		**AZIMUTH:**		**DIP:**		**DEPTH:**		
FINISH DATE:	25-May-07	**Elev.**	795m		191.4		-46.9		30.5m		
LOGGED BY:	J. Pautler	**Grid Co-ord:**	L500E/328N		196.9		-48.0		61.0		
CORE SIZE:	NQ				199.2		-48.6		91.5		
DRILLING COMPANY:	Alliance Sonic Drilling Inc.				196.4		-49.8		121.9		
					196.8		-50.8		152.4		

PURPOSE: To test the extension of the gold in till anomaly to the south still within the chargeability-high, resistivity-high zone along L500E, targeting down dip of near where the zone comes to surface at L500E/270N.

SUMMARY: Intersected pyritic silicified zones from 59.75 to 73.6m and 80.4 to 84.15 and quartz vein zone from 93.2 to 94.5m. Zones appear to be related to rhyolite quartz feldspar porphyry dykes.

PROBLEMS: Trouble adjusting tower at start, pump broke, no fuel! Wait 3 days for replacement pump.

SAMPLE NUMBERS:	23913 - 24050	**138 samples**			**ASSAY CERTIFICATES:**		2007-7022
							2007-7023
BLANKS:	23933	23956	23980	24014	24048		2007-7030
STANDARDS:	23936	23966	23984	24013	24032	24047	
DUPLICATES:	23944	Duplicate of 23943					
	23953	Duplicate of 23952					
	24000	Duplicate of 23987					
	24040	Duplicate of 24039					

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log 1:500	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
0	8.55		CASING								
8.55	9.15	OVB	OVB - few angular pebbles of sil. BCU - fine clastic sediments	2			m sil				
9.15	10.65		NO CORE OVB	0							
10.65	12.2		Pebble of sil BCU (fine clastic ± STS) OVB	3			w sil				
12.2	14.5		Subangular pebbles of sil. BCU - fine clastics - ST S - SDST and grit with fine qtz sturgeon (few mm) and 25% qtz pebbles up to 1cm	10			m sil	—	23913	12.2	13.7
		qStrs		32					914	13.7	14.5
14.5	25.9	BCU Rqfp	BCU Bedded Clastic Unit - Fine Clastics @ approx 14.5 start to get bedrock med grey grit (BCU), some broken fsps up to 3-4mm size. (fsp-qtz-mica-gt)	32			minor ankerite in frcs	—	915	14.5	15.2
		FLT	@ 15.2 - 5cm of clay gouge								
		bx	@ 15.25 - 15.6 med grey-greenish medium grit	90	fol n = bedding?	60°			916	15.25	15.6
			CNT along bedding with finer clastics		CNT	60°					
			→ @ 15.6 - 18.2 - very fine bedded clastics, argillaceous mudstone to siltstone with fine dissem py, minor qtz - carb stringers, vnlets to 1cm, black graphitic colour; fol changes approaching fault zone.				± w-m sil	7 py			
		BCU		90	fol n	60	w-m sil	10 py	917	15.6	16.75
				65	fol n	30	± w sil	5 py	918	16.75	18.2
		LIST									
		FLT									
		bx	→ @ 18.2 - 25.9 - More med grey to greenish colour qtz rich BCU with qtz as numerous deformed old qtz vnlets or meta segregation of qtz rich clastics into bands or layers, minor fol, evident graphite, sericite - due to metamorphism,				v w chl	1 py			
		BCU	@ 18.2 - 19.8 - minor late qtz sturgeon, wh white - weat greyish, some almost chalky beds	47	qtz stgs	40°		1 py	919	18.2	19.8
			@ 19.8 - 21.35 - 35% clay gouge in zone but similar to above	32			w clay	1 py	920	19.8	21.35
			EOH = 80.0 m								

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
		Rgfp	80 m								
			@21.35 - 22.85 - as in 18.2-19.8 but with X cutting qtz vnlet(s) @ 45° CA with local sil assoc with vnlets	43	foln qtz vnlts	55 45	± w sil	1 py	23921	21.35	22.85
			@ 2285 - 25.6 - bit more qfix and rubbly	31					935 936	22.85 STANDA	24.4
		Rgfp	@ 25.6 - 25.9 coarse grit and cgl. coarsens ↓ med. grey colour - up to 1cm clasts of fine bedded clastics and ± cherty pieces	60				1 py	922	24	25.9
		BCU	CNT broken but appears to be 45° CA		CNT	45					
25.9	26.4		Rhyolite QFP dyke. = light coloured pale greenish tinge. medium grained. 10% qtz eyes + 10% fsps about 2-3mm in size in slightly finer grained qtz-fsp matrix with w chl-ser = more intrusive equivalent Qtz mono por but same as Rgfp only coarser; fine graphitic fx filling	58			vw chl-ser.	—	923	25.9	26.4
		Rgfp			fxs	25					
26.4	28.95		BCU unit med gray colour due to med. graphite - grades from grit to cgl ↓.	58					924	26.4	27.45
			@ 26.4 - 27.45 - mostly grit.		foln	45					
			@ 27.45 - 28.95 - Cgl to grit, fine py ± aggregates in matrix - occasional fragment of Rgfp to 2-3cm. occasional discontinuous qtz stringers along foln and X cutting.	51				2-3 py	925	27.45	28.9
		Rgfp			strs	45, 140, 05					
			@ 28.75 - 28.95 ∃ 70% clay gouge		gouge	45					
28.95	35.35		FAULT Breccia in Cgl. unit with Rgfp clasts; primarily finer clastic clasts with 7% wkt & 5% Rgfp. clasts 1-3cm, Rgfp fragments are larger, 2-5cm, minor ankerite? (orangish) porphyroblasts - few mm size. occasional larger grit clast								
		BCU									
		EOH	153.9								

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 28.95 - 30.5 local graphitic gouge and weak ser alt'n with pervasive w sil. in bxed Cgl unit with Rgfp bx fragments	97	frc's gouge	05 05-20	w ser ± w sil	1py	927.26	28.95	30.5
			@ 30.5 - 32.0 as above @ 28.95-30.5 but more gouge and broken, more py as frc fillings and dissem around frcs - more crushed zones.; fol'n appears affected by fault.	77	fol'n frcs	25 25	w ser ± w sil + w serp - chl	2-3 py	927	30.5	32.0
			@ 32.0 - 33.53 - Main part of fault? FAULT ZONE with 30% crushed rock and clay gouge; - mottled green + black colour due to graphitic clastics and Rgfp clasts in Breccia.	92	gouge/frcs gouge	05, 25 55	w ser ± w sil + m clay w serp? - chl. 'hardened'?		928	32.0	33.53
			@ 33.53 - 35.05 more competent more silicified? more serp. - smaller clasts (possibly due to more brecciation / milling? - more clasts) still have Rgfp frags but less (3%) and more Qtz in size from 1cm - 5cm). - not vfol.	95	qtz strs	45	w-m sil, vw ser w serp - chl		929	33.53	35.05
			@ 34.95 - 35.35 - limonitic weath. and on frcs; brecciated into fine fragments avg 0.5 cm		qtz strs	25-35	minor fine (few mm) qtz strs. + w lim				
35.35	38.1		Cgl breccia in Fault Zone - no Rgfp clasts; med. grey colour typical cgl unit with fuller fine clastic clasts, and about 5% wte qtz. no Rgfp but brecciated, rotated fractured qtz clasts and qtz rich clastics, some gouge and rubble.	100	fol'n gouge	25 45	w ser - due to fault		930	35.05	36.05
			@ 36.05 - 38.1 more qtz in Cgl and more siliceous clastics as opposed to pelitic ≤ 10% qtz in zone.	100				1/2 py	931	36.05	36.55
			@ 36.5 - 36.7 - gouge + crushed rock.								

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 36.7 - 38.1 - 2.5cm milky qtz veinlet in zone and qtz rich fine clastic beds - broken and brecciated.	42	qtz veinlets	35			23932	36.55	38.1
38.1 FLT BCU	42.3 BX		FAULT Breccia in possibly finer bedded clastics of BCU (still may be in cgl with lenses 10-20cm clasts of fine clastics but may be just brecciated finer clastics. -large clasts of pelitic to qtz rich metaclastics (MDST to SDST) -subangular fragments of fine BCU - less brecciated at start of from 38.1 - 39.4	B3	fol'n	65	w ser		23933	BLANK	
									23934	38.1	39.6
			@ 39.6 - 41.15 - start to get fine py replacing small clasts ± 0.5cm size. generally proximal to frcs	91	frcs	05,25		py-1 py	937	39.6	41.15
			@ 41.15 - 42.3 - more py replacing larger clasts to 1cm and as frc fillings and dissem.	100				2-3py	938	41.15	42.3
			@ 41.35 - 41.65 - gouge crushed rock zone		gouge CNT "	20 40					
			CNT - along bedding?		CNT	55					
42.3	44.0		MIXED fine BCU and LIST -mgrey graphitic pelitic fine clastics with interbeds of tan coloured manipositic bearing	100	bedding?	55	E vw carb-manip. list.		939	42.3	42.9
			@ 42.65 - 44.0 FAULT ZONE with crushed rock and minor gouge. ± manipositic bearing fine grained tan coloured beds mixed with fine graphitic pelitic beds.	44			± vw carb-manip		946	42.9	44.0

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
44.0	44.55		Tan coloured fine grained qtz-sericite-ank fizzable carbonate rock - listwanite?? trace marcasite, minor py as fine lenses up to 1cm long along foln	95	py foln = bedding?	45 55	listw? qtz-carb-py ± marc.	1 py	23940	44.0	44.55
			CNT - FLT CNT		L CNT	25					
44.55	51.85		FINE BCU - fine clastics of BCU dominantly pelitic with some more (mic calc) qtz rich clastic layers; locally brecciated folded @ 44.55 - 45.7 ± minor interbed of listw? (tan coloured marcasite bearing) up to 10cm wide. ; Some gouge sections especially from 44.55 - 44.8	95	foln	70°			941	44.55	45.7
			@ 45.7 - 47.25 - med grey fol BCU deformed layers, folding evident, 1-2% grey qtz along foln (deformed qtz vnlets) @ 46.05 - 47.75 - gouge and crushed rock - FLT some grey clay (putty)	74	foln	50	+ w serp, clay	1-2 py	942	45.7	47.25
			@ 47.25 - 48.7 - lighter grey FLT zone in BCU above with crushed rock, brecciation, cracked, clay in matrix of bx and chl - possible serp. @ 48.70 - 48.75 - graphitic rubble.	57			w - serp - chl - clay		943 944	47.25 DUPLICAT	48.75
			@ 48.75 - 50.3 No Core	0					No sample		
			@ 50.3 - 51.85 Fine BCU as at 45.7 - 47.25 ± graphitic ± local sil patches @ 50.3 - 50.5 - crushed qtic BCU in FLT @ 51.5 - qtz vnlet 1cm @ 51.7 - 2cm listwanite zone. local brecciation for few cm above listw zone qtz and fine clastic fragments generally < 1cm		foln qtz vnlets listw CNT	50 60 70° 60°	± m. sil	— 2-3 py	945	50.3	51.85

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
51.85	53.45		LIST Wanitic FLT ZONE - tan with qtz as deformed irreg. inlets and patches, 5% + manipasite, some qfic partings up to 52.15, then minor manipasite, grey colour, still have qtz and local siliceous pyritized fragments gouge at CNT btw LIST and grey gouge bx and s clay gouge @ 53.40m - 53.45m		gouge	70°	listw, ser. (qtz-carb-manip-py)	2 py	23947	51.85	53.45
53.45	54.85		FINE BCU - pelitic clastics MOST LOST CORE but pieces of sil. fine qfic BCU with qtz stringers - some ASH (CAVE) in interval. - not sampled.				m. sil.	2-3 py	948	53.45	54.85
54.85	55.65		LISTW fault zone, minor deformed, gy qtz; very poor rec, some wash (CAVE) not sampled				listw, ser	1-2 py	969	54.85	55.65
			Sharp CNT		CNT	50°					
55.65	56.4		FAULT BX ± list ± siliceous BCU crushed rock, weak gouge @ start followed by sil bx grading less brecciated ↓ overall m. grey to tan greenish more near start; fine py as disseminations and replacing siliceous clasts; matrix to clast supported bx some manipasite @ start ↳ CNT ZONE BTW more pelitic + qtz rich clastics.				± m-s sil ± local ± listw ± w clay w-m ser	3 py	949	55.65	56.4
56.4	78.3		Deformed siliceous clastics (mic etc) Athinly bedded b cracked texture - qtz rich clastic bands with qfic, ser and pyic fic fillings as stwk throughout - purplish bio/fe-rich biotite look; also fine py surrounding frags and as aggregates		foliation py stks	75 30	± sil, bio (w-m ser overall w-m	5 py	950	56.4	57.1
			CNT sharp - probably bedding @ 57.1-57.9		CNT	60 = bedding?		3 py	951	57.1	57.9
			siliceous clastics - more micaceous (bio) ± ser. rich - rubbly @ start of section; fine py in fics, aggregates generally aligned with 20-25° CA fics. - purplish bio due to hfsing? * (prob Rgtp below).		fics pyic	20, 50	m ser. bio				

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 57.9 - 58.75 - generally less bio more qtz rich but mixed.				m ser	1 py	23952	57.9	58.75
									23953	DUPLICATE	
			@ 58.75 - 59.0 - grading into fault zone, increase ser - start to get manipositic.				m ser - w manip		954	58.75	59.45
			@ 59.0 - 59.45 - crushed rock to gouge more tan ser alt'n with mod manip.		gouge fol'n	30 45.	s ser - manip				
block @ 59.45			block								
			@ 59.45 -59.75 - qtz rich fine clastic - micaceous qtz, w manip along fol'n as in 23950.		fol'n	50°	w ser, tr manip		955	59.45	59.75
									956	BLANK	
					CNT fol'n	70°					
			@ 59.75 - 71.5 strongly silicified BCU				s. sil				
			@ 59.75 - 60.1 - s. sil med grey colour w qtic pelitic - siliceous (micaceous quartzite) beautiful fine clastics with fine qtz stringers few mms wide	71	qtz strs	70°	v s sil	10 py	957	59.75	60.1
			@ 60.1 = 60.5 approx. - dropped by drillers section but appears to belong here - now fine rubble same as previous - sampled entirely since less material due to dumped part of box, and sampled separately due to possible contamination fine qtz stks - similar to 59.75 - 60.1	50			s sil	7 py	958	60.1	60.5
			@ 60.5 - 61.5 mic qtz, mod sil. with py as fine fillings		pyic frcs	20	m sil	5 py	959	60.5	61.5
			@ 61.5 - 62.0 - possible cave or wash but may belong here - numerous m-s sil, pebbles (angular) with fine py	30			m-s sil	5-7 py	960	61.5	62.0
block @ 62.5			block								
			@ 62.0 - 62.5 w-m sil mic qtz. some offset along 20° frcs ? qtz colour, thin to very thinly bedded (few mm to 1cm)	50	frcs	20	w-m sil	3 py	961	62.0	62.5

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
(62.5	64.5)	FLT	@ 62.5 - 63.5 - FLT Bx to gouge med grey brecciated mic Otz to silicd rich clastics; fragments up to 1cm size angular; very thin to thin bedded, brecciated some clay gouge,	60	fracs	05-75	m sil	½ py	23962	62.5	63.5
					foln	60°					
							qtz fragments (10%)				
(63.5	65.53)	STS bed	STS interbed of BCu within more qtz rich clastics								
			@ 63.5? - 64.5 - rubbly silicified med grey w gfine STS, faulted, some clay gouge sections - poor rec.	20			w-m sil	1 py	963	63.5	64.5
			@ 64.5 - 65.5 argillaceous STS of BCu with fine py as dissem and along foln 0 - top 20cm is brecciated, matrix supported; clasts 0.5cm, some up to 1cm		foln	40°	± w sil	3 py ± ½% aspy ??	964	64.5	65.5
65.5	71.3)		@ 65.5 - 71.2 - qtz rich clastics, thinly bedded ≈ 0.5cm, silicified, py (fine) commonly along foln but irregular - looks like graphic texture due to sil/py alt'n	75			m sil	4 py	965	65.55	68.6
								2 py	966	STANDARD	
									967	68.6	71.3
			@ 71.2 - 71.3 - minor clay gouge - could be cave??								
71.3	72.6)		@ 71.3 - 72.6 med bedded fine pelitic - silica rich clastics some disruption, folding, local bxiation				m-s sil				73
					qtz strs	20					
					foln	50					
			@ 71.3 - .5 fine qtz strs to 0.5mm t vuggy		qtz strs	20	s sil, m sil, w-m ser	5py	968	71.3	72.3
			@ 71.5 - 72.6 - looks siliceous more sericitic alt'n prior? to sil								
			@ 72.6 - 3cm of graphitic - clay gouge - bx		gouge	55	s sil, w-m ser w clay	7-8 py	970	72.35	73.0
			@ 72.63 - 73.6 - more thinly bedded silica rich clastics with ≈ graphic looking texture as in 65.5 - 71.2 deformed, sericitic alt'd								
			→ sil'd fine py along foln, py content increases ↓ bottom 20cm more highly sil. and py								

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	RE C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
(72.6	75.0)		FAULT ZONE in silica rich BCU clastics crushed rock to clay gouges, med-light grey colour.		gouge CNT	65	m clay - w ser.	1py	23971	73.6	75.0
(75.0	77.85)		Silica Rich Clastics chl ± ser Altd. (Fine cgl-grit) deformed chl knots and ser-chl in matrix				w-m chl, w ser				
			@ 75.0 - 75.4 - w clay altd and m. ser altd due to fault zone above? aggregates of fine grn, chloritized clasts, elongated up to 2cm along foln				+m ser. w clay	1-2 py	972	75.0	76.
					foln	40°					
			@ 75.4 - 76.6 - less ser, more competent		w foln	45		2py			
			some minor gouge zones ± fine py along foln and as fine clasts-aggregates crackled texture		gouge	45					
			@ 76.6 - 77.85 - some minor m gy cgl-grit sections, some texture as chl-ser altd material, crackled texture				± w-m sil	2-3py	973	76.6	77
			@ med grey siliceous clastics - qtz - cherty look, deformed, crackled texture		fracs	05, 80, 30		1py	974	77.85	78
78.3	79.05		FAULT ZONE								
			clay gouge and crushed rock - originally chert with cgl., graphitic, m-grey colour				m clay	1pm	975	78.3	79.0
79.05	79.8		Cgl - bedded fine cgl to c. grit of BCU pg in matrix, largest clasts 3cm but avg 0.5cm, 5% wht qtz as rounded clasts some deformed, grey qtz veins, vnlets.		bedding	65		3py	976	79.05	79.
			Other clasts are alg sts/qtz, BCU		CNT	50.					
79.8	80.4		Rqfp pale green colour with about 5% qtz eyes, some clay altd clasts vw foln developed at bottom denoted by alignment of chl		foln	45	m ser w chl	—	977	79.8	80.4

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
80.4	84.65		Cgl with avg clast size 1cm, some clasts to 5cm, 5% qtz, rest BCU – qtz, sts, sdst, arg and fel arg sts								
			@ 80.4 – 81.1 m – some gouge – fine py in matrix, especially below 30° gouge zone (1cm wide) @ 80.75 m – grading silicified ↓		gouge	30°	w-m clay + w sil	7 py	33978	80.4	81.1
			CNT – gouge at CNT		gouge	60					
			@ 81.1m – 82.5 silicified and pyritized cgl, lug 1cm clast size – crowded few up to 2-3cm, rounded some stretched weak foln; fine py throughout matrix – becomes more deformed ribbon like at bottom		foln	80-85	w-m sil	15 py	979	81.1	82.5
									980	BLANK	
			@ 82.5 – 83.15 FAULT in Cgl unit crushed rock with some clay gouge in Cgl unit as above – Py could be washed out from fault zones since still see it in some pieces		gouge	85	w-m clay	3 py	981	82.5	83.15
			CNT		gouge	45					
(83.15	84.65)		FAULT BX in Cgl unit				w sil	6 py	987	83.15	84.15
			@ 83.15 – 84.15 appears to be cgl unit with larger more angular clasts, some fqfp clasts and py in matrix and repl some clasts, bdal 30° frcs		gouge	35					
					frcs	30					
					CNT	50					
			@ 84.15 – 84.65 – more rubbly broken crushed zone in FAULT					3 py	983	84.15	84.65
			gouge at CNT – 1cm		gouge	80			984	STANDARD	
84.65	93.2		c. Grit to fine Cgl of BCU med grey colour								
			@ 84.65 – 85.5 – bedded with fine py repl clasts and some in matrix		bedding	80		3 py	985	84.65	85.5
			Gouge @ 85.5		gouge	30°					
			@ 85.5 – 86.15 gouge to crushed zone in BCU.		gouge	15	m clay	2 py	986	85.5	86.15

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 86.15 – 87.0 – deformed cgl-grit, stretched out clasts – disseminated py in matrix and as aggregates, ankerite porphs		foln	55	wchl – ser	2 py	93987	86.15	87.0
			** 89.09 marked 295' but 5' off in rept box		must be	290'	Block – At change from 10° to 5° core tube		24000 DUPLICATE		
			@ 87. – 89.9 – Broken pieces with more wte qtz as clasts, minor clay gouge; deformed fracamented ins? ; chl – ser in frcs, late carbonate stringers, ank porphs	40	frs/ gouge	15	± wsil	1 py	988	87.0	89.9
					strs	15					
			@ 89.9 – 90.4 – 1cm wte qtz veinlet, weakly banded – gfic pantings, ank porphs in host rock as above from 88.6-89.9 89.1-		foln	45	± vw sil w serp.	½ py	989	89.9	90.4
					qtz va	10°					
			@ 90.4 – 91.4 Deformed grit, cgl and fine BCU – distorted foln due to folding, some local brecciation possible original mod bedded (10 cm beds) of grit/fine BCU clastics and thinner cgl beds; fine py repl selective clasts (mid dir – possibly more gfic) – ankerite porphs only in coarser layers (grit-cgl) – not in finer clastic beds.				w serp	1 py	990	90.4	91.4
			@ 91.4 – 93.2 fine cgl – c grit unit, weakly deformed with stretched out, elongate clasts serp (chl??) replacing clasts as fine filling, also ankerite porphs and strs locally gouge/frcs @ 30° CA; fine py repl clasts and as dissem in matrix.				w carb m serp		991	91.4	93.2
					gouge	20					
			CNT		CNT	20					
93.2	94.5		QTZ VEIN ZONE in BCU wte to pinkish grey qtz veins up to 15cm wide in BCU matrix (possibly fine pelitic clastics) – graphitic m. grey colour host; veins are brecciated at top and bottom of interval with qtz frags in host and along foln in centre with qtz stwk – cracking ± carbonate in frcs as stwk – py in gfic partings					1 py	992	93.2	94.5
					qtz	35, 50					

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
94.5	94.8		Rdfp dyke. light green coloured 5% qtz eyes ± 0.5cm 15% fsp phenos few mm - 0.5cm sericite ± probable chl altered with qfix from filled host rock (BCu)		fres	50, 25	w-m ser (chl)		2393	94.5	94.8
			CNT - sharp -		CNT	50					
94.8	120.4		FINE bedded BCu fine clastics med-gy to dark grey, graphitic to ± more siliceous beds, but [illegible] qtz, ± grit Deformed, folded and displaced beds, disrupted - thinly bedded up to 1cm beds - fine py assc with fractures and along foln @ 97.0 - 97.5 - qtz vnlets 0.1cm to 2.5cm - disrupted, irregular ± along foln wtk qtz + host rock as i-few mm clasts)		fres qtz	05, 25, 45 65, 25, 40	± w ser	2 py	996	96.6	97.5
			@ 97.5 - 98.45 Sericite altered coarse grit - sandstone; pale greenish - grey colour		foln CNT	55 35	m ser	2 py	997	97.5	98.45
		(FLT)	@ 98.45 - 100.8 @ 98.45 - 15 cm of crushed rock, gouge @ 98.6 - 99.0 micaceous @ fe - med grey, some cgl, deformed, local bxiation sheared				w ser		998	98.45	99.0
			@ 99.0 - 100.05 - mic @ fe to qfix sdst,		foln fres	55 05	w-m ser-chl		999	99.0	100.55
			@ 100.05 - 102.4 - pale greenish ser alt'd BCu as in 96.0 - 96.95 - grit to sandstone - moderately bedded ± 7% qtz vnlets up to 3cm in zone generally along foln; also folded, deformed wtk to purplish grey colour some fine, dissont bands of fine py; as at 97.0 - 97.5 m		foln qtz	70 70, 40	m-s ser	2 py	2400	100.55	102.4

HOLE NUMBER: SP07-02

PTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Length m
			@ 102.4 - 118.85 deformed fine minor cgl clasts to some grit, w-m qtz veined grey colour; stretched clasts, disrupted beds				w ser-chl overall					
			@ 102.4 - 104.05 - patchy local sil for 30cm in places, frcs 05, 20° CA in lower 60cm		foln frcs	70 05, 20	w ser chl ± w sil	1 py	24002	102.4	104.05	
			@ 104.05 - 105.15 - as above but 35% clay gouge in zone - crushed rock minor g.t - purplish deformed qtz veinlets; py along folin		gouge folin	35 60	+ m clay	2 py	24003	104.05	105.15	
			@ 105.15 - 106.3, as in 24002, minor gouge		folin gouge	60 40°		1 py	24004	105.15	106.3	
			@ 106.3 - 106.8 - Deformed Qtz Vein CNT zone - 2 larger veins 4cm wide discont. - cut sfg; some vuggy frcs in qtz gouge @ Lower CNT		gouge qtz vns L CNT gouge	50° 40° 35		-	24005	106.3	106.8	
			@ 106.8 - deformed BCU grits - fine with 20% gouge - crushed rock, some frags of wte qtz to 2cm; local m ser		folin	50	+ w clay grades to m ser	-	24006	106.8	108.2	
			@ 108.2 - 108.7 FLT ZONE - crushed rock to gouge; more qtz + ser in lower 25cm deformed, irregular		gouge	30°	+ m clay grades to m ser	< ½ py	24007	108.2	108.7	
			@ 108.7 - 111.25 some purplish sfg qtz as disconf frags up to 5cm at base, zone variably crushed local gouge				grades to mod chl		24008	108.7	111.25	
			@ 109.75 - 111.3 less disrupted and deformed BCU grits - sdst - local stk beds ~ 2cm		folin	60°			24009	111.25	112.9	
			@ 112.9 - 114.45 - as above with some more sericitic beds? fgr grits? - mod - thinly bedded some minor dirty Qtz beds; minor 1-2cm br beds		folin gouge	55 25, 80		< ½ py	24010	112.9	114.45	
			@ 114.45 - 115.8 more broken rubbly, + gouge		gouge	75			24011	115.8	115.8	

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 115.8 – 117.35 BCH as above mod. deformed ± gouge zones (15%) ± more sericitic beds				± upto m ser	–	24012	115.8	117.35
									24013	STANDARD	
			@ 117.35 – 118.4 less deformed BCH.		fracs	05, 25	grades to m chl	1/2 py	24014	BLANK	
			– Some minor py along gfic planes		foln	70°			24015	117.35	118.4
										118.4	
			@ 118.4 – 119.2 more qtz rich zone QTZ wlt qtz veins with minor carbonate, as fragments of veins and along foln up to 5cm wide. + vuggy due to weathered out carbonate ± fine py in fracs cutting qtz frags and along edges of vns possibly assoc with 05, 45° fracs	VN	ZONE			2 py.	24016	118.4	119.2
					foln	60					119.2
					gouge	50–55					
					fracs	05, 45					
			@ 119.2 – 120.0 – more broken and disrupted BCH as above in 115.8–117.35 more bxed, more gouge ~30%, minor cubic py		gouge		m clay	< 1/2 py	24017	119.2	120.4
					CNT	50					
120.4	123.8		Rgfp dyke green with 5% qtz eyes 0.5cm size and 15–20% euhedral to subhedral fsp phenos few mm to 0.5 cm in aph matrix				m-s ser-wchl	1–2 py			
					fracs	50, 10					
			from 120.4 – 121.9 – generally coarser grained phenos; fine fracs filled with py at 05–10 and 50° CA, occasional broken section and @ 121.5 – 10 cm of crushed rock to clay gouge; some fine qtz strgs		qtz strs	40–45	m-s ser wchl	1–2 py	24018	120.4	121.9
			@ 121.9 – 123.8 – grades finer harder, diffuse pale alunite ? alt'n with less silicif, more chl, chl altn of frags still see qtz eyes, fine fracs filled with py, qtz ± py		fracs	20, 40, 65	w ser, m chl	3 py	24019	121.9	123.8
			– bottom 20cm appears banded pale green to brown hornfelsed beds??		banding	± 20					
					CNT	60					
						60°					

HOLE NUMBER: SP07-02

DEPTH (metres) From	DEPTH (metres) To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	SAMPLE DATA From	SAMPLE DATA To
123.8	139.0		BCU med grey mod graphitic fine clastics, moderately silicic/arenite to lesser qte, more pelitic interbeds - deformed folded ± local gouge, generally thinly bedded, ideal argillaceous sections								
			@ 123.8 - 124.7 FAULT crushed rock to gouge		foln	60, 85	m day w/ ser	1/2 py	24020	123.8	124.7
			@ 124.7 - 125.55 more competent py alone foln with qt and in frcs @ 40° da folding evident, some offsets along 05 frcs, minor v. fibl qtz stringers and deformed wfe qtz c. 0.5 cm. along foln; bit more qtz rich clastic than previous grading to mic. qte.		frcs frcs	40° 05			24021	124.7	125.9
			@ 125.9 - 126.6 FLT ZONE - overall finer pelitic sts, few arkosic?? interbeds (few cm) of fspathic sdst.		gouge	30			24022	125.9	126.6
			@ 126.6 - 128.0 - thinly bedded mod silici clastics - variable foln - folded gouge zone in centre		foln " " gouge	60 40 05 10	w clay	1 py	24023	126.6	128.0
			@ 128.0 - 129.55 - rubble of BCU with py deformed? qtz with qfic strs ± py and pyritic fine clastics - very poor rec						24024	128.0	129.55
			@ 129.55 - 131.05 - folded thinly bedded silicic clastics with fine py along foln and folded - fairly distorted deformed.				5 py	5 py	24025	129.55	131.05

HOLE NUMBER: SP07-02

DEPTH (metres) From	DEPTH (metres) To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Length m
			@ 131.05 - 132.8 - as above but more broken to crushed - minor possible arkosic interbed - tan colour - 5cm wide ⇔ on feldspathic sdst ; - rubbly					3 py	24026	131.55	132.8	
			@ 132.8 - 133.3 V pale greenish tan colour - qtz grains few mm size, sericite - clay separating them possible feldspathic sdst - grit bed or dike ??? same as tan coloured previous interbeds marked as arkose to feldspathic sdst. (listw?) - qtz				m ser - clay serp.		24027	132.8	133.3	
					fracs	50						
					gouge	50						
					+ carb		altd ultramafic ??	2-3 py	24028	133.3	134.7	
			@ 133.3 - 134.7 qtz rich siliciclastics to mic qzte ; Omed grey, med gfic minor O qtz stringers ; rubbly									
			@ 134.7 - 135.65 more deformed mbed. bedded siliciclastics to locally mic. qte ; locally w clay - ser alt'd, Omanor qtz - carb strs ; fine py in more gfic, less siliceous zones		CNT	45	± w clay - ser.	1 py	24029	134.7	135.65	
					foln	10						
					foln	45						
					strs	05, 25						
			@ 135.65 - 137.15 deformed more pyic ± 5° ute deformed qtz - vnlets ± folded along foln ; Omanor later qtz - carb strs to grades to cherty bat bottom				± w ser ± v w sil	3 py	24030	135.65	137.15	
					frgs	80, 45, 30						
					qtz-carb	30°						
			@ 137.15 - 138.05 cherty @ start but overal more thinly bedded siliciclastics up to 1cm beds ; fine py esp in more gfic sections 10% gouge near bottom				± w sil	1 py	24031	137.15	138.05	
									24032	STANDARD		
			~2-3% wk deformed qtz stringers along foln and x cutting		strs	30°						
					gouge	70°						
			@ 138.05 - 139.0 argillaceous to cherty possibly m sil, Gmm irreg discont qtz + qtz - carb strs ± broken				m sil	1 py	24033	138.05	139.0	
					qtz	20						
					q-carb	45						
			Sharp CNT - not ll foln		CNT	55						

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
139.0	143.3		Felsic Dyke or (possible talc altd um) light green, equigranular, fine grained with qtz, clay-ser after fsp, weak foliation				wm ser-chl-clay ± w talc				
			@ 139.-139.9m - pale green, broken up with qtz-carb stringers; qtz grains 1-2mm and clay-ser altd fsps ± chl		qtz-carb	05-25	w talc		24034	139	139.9
									24035	BLANK	
			@ 139.9-141.1 as above with 30% qtz-qtz carb vn zone (QTZ VN ZONE)								
			@ 139.9-140.2 - qtz carb vnlets ± sheeted vnlets within zone ± py almost chalc margins, some rose cab patches - w-m sil. overprint		qtz carb	30°	w-m sil.		24036	139.9	140.2
			@ 140.2-140.6 host rock few minor qtz-carb strs						24049	140.2	140.6
			@ 140.6-141.1 - 90% wtz qtz somewhat irregular orientation but sharp ± gouge margins, ± fine anophous qtz rims, ± py as fine discont blebs and aggregates within qtz to 1cm		qtz	85, 40 70, 50		1-2% py	24050	140.6	141.1
			@ 141.1-143.3 - grades more chl-altd, appears coarser grain size plag - due to chl altd grains or phenos								
			@ 141.1-142.3 chl altd grains or phenos - 25-30% 1-2 mm size Unsina qtz-carb stringers and ± vnlet grades more clay-ser gouge down hole and more chl.		py frags qtz vn gouge	30 85 20-30	m chl m ser w clay	1-2 py	24037	141.1	142.3
			@ 142.3-143.3 - more chloritic less ser darker green colour, almost mg size but not biotite. - talc altd unmafic?		foln	85	m-s chl w ser w talc	½ py	24038	142.3	143.3
			numer qtz-qt carb stringers sharp CNTS		strs CNT	35, 50 75°					

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
143.3	153.9		BCU - fine clastics med grey local darker sections due to graphite - overall silicidastic thinly bedded few mm to 1cm width, local more argillaceous interbeds - few cm ± ribbon chert looking, quite deformed folded, local by, broken								
EOH			@ 143.3 - 144.85 - CNT ZONE silicified silicidastics with slicks? of Dyke? unit as at 139.0-143.3 up to 25cm wide forming 25% of zone. fine py along foln in clastics		foln	40	w-m sil, w ser - clay	2 py	24039	143.3	144.8
					CNTS	55, 45			24040	DUPLICA	
			@ 144.85 - 146.3 - 5% of zone is Dyke? unit which is crushed, more clay altered, otherwise deformed silicidastics with fine disben py. local folding ± bxed layers. + minor deformed wte qtz strs		CNT	45	± w clay - ser	1 py	24041	144.85	146.3
			@ 146.3 - 147.0 BCU more broken up ± cherty minor fine q strs - discont.		gouge	60, 50	± vw sil		24042	146.3	147.0
			@ 147.0 - 149.5 as above slightly fewer broken + gouge zones few mod bedded zones with more dk grey sil/silicaclastic beds up to 10cm and cherty beds to 10cm		gouge	30		1 py	24043	147.	149.5
			@ 149.5 - 150.7 v broken almost graphitic qtz.					tr py	24044	149.5	150.7
			@ 150.7 - 152.4 lighter grey minor qtz minor clay-carb strs few py in fncs Some offset of qtz strs along 20° fncs		py fncs	20		1 py	24045	150.7	152.4

HOLE NUMBER: SP07-02

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 152.4 - 153.9 BCH fine siliciclastics thinly bedded minor qtz stringers ± pitted texture due to weath out carb strs, local slicks on frcs ± bxed. minor qtz strs					1-2% py	24046	152.4	153.9
								dissem	047	STANDARD	
									048	BLANK	
			EOH.								

HOLE NUMBER: SP07-03

PROJECT NAME:	**SPICE**	**UTM:**	Nad 83	Zone 9	**AZ:**	**195**	**DIP:**	**-50**	**DEPTH:**	**127.4m**
HOLE:	**SP07-03**									
FINAL DEPTH:	**127.4m**	**Northing:**	6876466		**DOWNHOLE SURVEY:**		INKLIN			
DATE START:	26-May-07	**Easting:**	346765		**AZIMUTH:**		**DIP:**		**DEPTH:**	
FINISH DATE:	30-May-07	**Elev.**	790m		195		-50		0m	
LOGGED BY:	J. Pautler	**Grid Co-ord:**	L500E/250N							
CORE SIZE:	NQ									
DRILLING COMPANY:	Alliance Sonic Diamond Drilling									

PURPOSE:	To test the southernmost extent of the gold in till anomaly and complete the section across the main zone, targeting chargeability-high, resistivity-high zone along L500E near where the zone comes to surface .
SUMMARY:	Intersected rhyolite quartz feldspar porphyry with jarosite and qtz bx stwk-veins from 7.0 to 14.5m . Intersection of felsic crystal lapilli tuff from 16.2 to 28.9m with quartz stringers and 35.8 to 37.6m. Pyritic and silicified sedimentary rocks +/- quartz intersected from 51.3 to 59.5m.
PROBLEMS:	Helper hurt in move, shift lost obtaining replacement. Fuel delay due to oxygen valve turned off.

SAMPLE NUMBERS:	24053-167	**115 samples**			**ASSAY CERTIFICATES:**	2007-7031
BLANKS:	24059	24084	24101	24125	24143	
STANDARDS:	24062	24083	24106	24127	24153	24166
DUPLICATES:	24080	Duplicate of 24079				
	24109	Duplicate of 24108				
	24121	Duplicate of 24120				
	24140	Duplicate of 24139				
	24167	Duplicate of 24157				

HOLE NUMBER: SP07-03

DEPTH (metres) From	DEPTH (metres) To	Graphic Log 1:500	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	SAMPLE DATA From	SAMPLE DATA To
0.00	7.01	OVB	OVB overburden - cobbles of 85% - m sil. qtz stringered BCu siliciclastics, 10% of underlying unit and 5% - of ser. alt'd Cgl.				w clay ± m sil	1 py	24053	0	7.01
7.01	14.5	Rqfp	Rhyolite QFP (Rqfp) - yellow Dyke light grey where fresh but overall yellow (jarosite on frcs) to pale greenish (sericite in groundmass) 5-7% qtz eyes 2mm to 5mm 10% fsps - clay altered aphanitic matrix - light grey colour								
			@ 7.01 - 7.62 rubble of above with vw jarosite on frcs minor gouge + brecciated Rqfp with Rqfp frags in siliceous matrix with diseem py in matrix - appears to be qtz-by veins - dark grey colour; dark grey-black fx fractures		frcs	20°	± m-s sil vw jarosite vw clay	2 py	24054	7.01	7.62
		fine BCu			frcs	05					
			@ 7.62 - 9.15 as above, rubbly, dark gy qtz-by veins to 4 cm, irregular, Pyrite, jarosite on 40° frcs 5% qtz-by veinlets, strs, veins in section		flow banding	45°	w jarosite fm-s sil w clay	2-3 py	24055	7.62	9.15
		qtz			frcs	40					
			@ 9.15 - 10.65 ± 20% qtz-by veins up to 15cm wide.		by vns	55, 75, 35	w jarosite s sil w clay	1-2 py tr d'spy?	24056	9.15	10.65
			@ 10.65 - 12.2 - green ser-chl? altid Rqfp matrix is altered and frcs are filled with jarosite.		frcs	15, 45-50	m ser-chl w-m jarosite		24057	10.65	12.2
		Cgl FLT									
		Grit cgl	@ 12.2 - 13.7 as above but broken; crushed to w. gouge; bit less ser-chl and less jarosite on frcs		gouge	15	w ser-chl, w jar		058	12.2	13.7
			@ 13.7 - ± 14.5 - as above with qtz-by veinlets	25			"		059	BLANK	
		90m	± 50% of section but v. poor rec 0.2m core over .8m?						060	13.7	14.5

PAGE 2 OF 15.

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log 1:500	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			80 m								
14.5	16.2		Fine BCU siliciclastics to gtic mic ~lte., minor gtz stringers					1 py	24061	14.5	15.8
			@ 15.5'-16.1 gouge						062	ST	ANT
							w clay	1 py	063	15.25	16.2
16.2	26.5		Felsic xl lithic lapilli tuff RELT light + grey-greenish colour 5% bt + lyes 10% subhedral - subhedral lap phenos, 20-35% chloritized lithic fragments commonly few mm to 1-2 cm, larger frags are elongated, stretched out, all clasts are chloritized except for xls, fsps are clay altered.				m chl overall ± vw clay				
	fine BCU (FLT)		@ 16.2-18.0 - 50% of zone broken and ± gouge					1-2 py	064	16.2	18.0
			@ 18.0-19.8 - fine gtz strs ± m-s sil but broken up, fine graphitic frcs		frcs	05	m-s sil	2 py	065	18.0	19.8
			@ 19.8-21.35 - more competent, pyritized chloritic clasts; gouge @ bottom of interval		gouge	50	w sil	3 py	066	19.8	21.35
	127.4	EOH									
			@ 21.35-22.85 - less altered		foln	65	± w sil	< 1/2	067	21.35	22.85
			@ 22.85-24.4 - local sil zones ± minor gouey sections, more fine gtz strs, late carbonate stringers				± w-m sil	1 py	068	22.85	24.4
			@ 24.4-25.6 as in 067 ± w bxed zones pebbly sections - approaching fault		w foln	85	± w sil	1/2	069	24.4	26.0
			@ 25.6-26.5 - more Broken, gouge sections		frcs	50	± m clay	1 py	070	26.5	27.5
			@ 26.8-36.1 FAULT ZONE								
26.5	27.5		MIXED ZONE								
			20 cm as above, poor rec, followed by								
			26.9'-27.5 - fine siliciclastic BCU faulted, - crushed ± gouge		gouge	40	w clay				

HOLE NUMBER: SP07-0

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
27.5	28.9		RCLT ± gougey broken ± minor fine strs from 27.5 - 27.7 followed by crackled to gougey sections				± w sil	1/2 py	071	27.5	28.
28.9	35.8		Fine BCu dark gray-black thin bedded siliciclastics in fault zone				m clay				
			@ 28.9 - 29.85 very broken to gougey ± bxed					1-2 py	072	28.9	29.8
			@ 29.85 - 320 thinly bedded ± more med bedded (10 cm) more gfix Qte interbeds		foln	70°		1py	073	29.85	
			@ 32.0 - 33m - crushed and bxed to 33.0m with py along foln		foln	85, 35		1. py	074	32.0	33.
			@ 33-335 - fine BCu with more py along foln and as aggregates @ interstices of bx fragments and/or rotated partially bxed layers deformed by folding as well. py as aggregate py				m sil	7 py	075	33.0	33.
			~ minor crushed sericitic zone @ 32.7m ~5cm long - Rqte fragment ??								
			@ 335 - 339.5 qtz rich zone - wte to gray deformed qtz veins/veinlets up to 4cm 15 % qtz in zone - deformed, bxed, sil. fine gfix BCu siliciclastics, wispy texture due to bxiation and along fics. fine py along foln and fics. esp 20° fics qtz cut by numerous gfix fics		foln	70°	m-s sil wser-chl	3py	076	335	339
					qtz vns	70					
					fcs	35, 05-20 ± 15					

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 33.95 - 34.5 strongly deformed bxed fine BCU, minor qtz to 0.5cm along foln, minor ank porphs.		foln	85	w-m sil, w chl-ser	1/2 py	24077	33.95	34.5
			@ 34.5 - 35.8 - gouge cnt @ 25-30°CA @ 34.5m gouge to 35.1m followed by more sil. BCU and 10cm of RCLT (xx lithic lap tuff) - py (v. fine) along foln and as aggregates to 1cm at jct of frcs,		gouge CNT foln CNT	25-30 80° 80 40°	± m-s sil ± w ser-chl	4 py	24078	34.5	35.8
35.8	37.6		RCLT ? R qfp with stretched lithic frags, deformed weak foln generally 85° but 45° in centre; qtz eyes evident (5-6%) 0.5cm and about 20% frags; green overall colour		foln	85, 45	m ser-chl.	1-2 py	24079 080	35.8	37.15 DUPLICA
			@ 37.15 - 37.6 darker colour than above - dark greenish grey with pyic ± dark qtz on frcs; fine py on frcs and around fragments.		frcs	15-20	w-m sil, m chl, w ser	3 py	081	37.15	37.6
37.6	63.6		Fine BCU in Fault Zone med. - dark grey, graphitic thinly bedded pelitic to siliciclastic seds; FLT Bx - Gouge; deformed, folded								
			@ 37.6 - 38.1 crushed rock - gouge some fine pyic frags to 1cm - remnant foln in more siliciclastic section @ 75°CA		foln =bedding?	75			24082 083 084	37.6	38.1 STANDAR BLANK
			@ 38.1 - 38.8 silicified, bxed siliciclastics, thinly bedded frags, fine-some up to 5cm; perv sil after bxation - foln/frc due to fault? @ 35°CA - angular, rotated clasts; fine py through matrix and along foln.		foln/frc	35	≤ sil w/ser	5 py	085	38.1	38.8

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Length m
			@ 38.8 - 39.6 - finely brecciated due to fault - beds broken along foln rotated foln, gouge zone 40° in gouge in zone. FLT		gouge	30	w chl - ser	< 1/2 py	24086	38.8	39.6	
			@ 39.6 - 41.15 as above but more competent but crushed - w clay gouge zones, finely bxed as above but with 7% larger clasts (1-2cm) rotated (PICTURE) foln 15-20, 75 ; fine py in matrix		foln	15-20, 75	w fine wchl-ser ↳ orange - ank?	1 py	087	39.6	41.15	
			@ 41.15 - 43.0 - 50% clay gouge dark grey, 2-3% wk qtz in section - distant deformed wk qtz vnlets up to 0.5 cm along foln and qtz frags in bx. FLT		foln	60	w clay	< 1/2 py	088	41.15	43.0	
			cnt 65 but gouge extends along at 10-15°		CNT	65						
			@ 43.0 - 43.3 - RCLT slice - gouge at both contacts with fine py along foln ; bright green chl-ser alt'n anhedral porphs. FLT		fres	15	m ser-chl.	1 py	089	43.0	44.2	
			@ 43.3 - 44.2 deformed but generally not bxed BCU, local bxiation - more siliceous qtz rich zone in centre for 15cm FTT		LCNT	40						
			@ 44.2 - 45.7 crushed BCU to clay gouge ± py along foln, one 5cm piece of purplish tinged deformed qtz with qtz fractures. FLT		foln	80						
					gouge	75	± vw lim unfres ↳ gouge - ank?		090	44.2	45.7	
			@ 45.7 - 47.25 - some less deformed sections but generally disrupted layers ± bxiation, rotation. FLT		foln	55		1 py	091	45.7	47.25	
			@ 47.25 - 48.75 - bit more gouge, broken crushed zones ; locally py along foln minor deformed qtz to 1cm along foln				w clay	1-2 py	092	47.25	48.75	

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 48.75 - 50.0 35% gouge - crushed rock in zone. locally more siliceous beds? - gtz ± py along foln.		foln	60	m clay	1 py	24093	48.75	50.0
			@ 50.0 - 50.6 crushed bxed ± gouge BCu with weak orange fcc fillings (ankerite?) and older gtz vn/vts up to 0.1 cm along foln (deformed = older) ≈ 5% in zone @ 50.2 - 50.3 - gtz vn/et - str stwk + ankerite @ 60° CA - orange on fres - ankerite?		gtz	60°	m clay ± m sil w chl.		24094	50.0	50.6
			@ 50.6 - 51.3 - as above but only v. minor occ. gtz - few mm along foln ≈ 40% clay gouge - light grey - med grey gouge next is brownish - greenish grey colour		foln	60,75	± m clay w chl		24095	50.6	51.3
51.3	56.4	pyric zone.	@ 51.3 - 51.8 - dark grey gouge - crushed rock with fine py cutting by clasts - some gtz rock clasts cut by pyritic fractures (5%) also py in matrix gfic. FLT			50	w clay	10 py	24096	51.3	51.8
			@ 51.8 - 53.35 - more competent, ± silicified. fine py along foln in fres and repl. blasts in BCu thinly bedded siliciclastics., minor fine gtz stringers		foln fres gtz strs	80 20 20	± m sil	10 py	097	51.8	53.35
			@ 53.35 - 54.55 - as above but more gtz in zone, about 5% wk gtz along foln and x cutting to 1 cm ± abundant py along foln local crushed zones and bxiation		gtz vnlets foln	25° 80°	"	10 py	098	53.35	54.55
			@ 54.55 - 56.4 - strongly silicified with fine py along fres and foln - up to 1 cm wide ≈ 5% lgtz in zone along foln - bxed then cut by pyric fres and then silicified.				s. sil "	10 py "	099 24100 24101	54.55 55.05 BLANK	55.05 56.4

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	RE C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 56.4 - 57.9 [Bx] brecciated fine BCU, large frags up to 5cm of BCU and smaller qtz frags commonly 0.5-1cm and some up to 1-2cm; py fill in fracs and along foln in clasts;		fracs Bx zone gouge	35°, 40, 05 35 05	m-s sil	10 py	24102	56.4	57.9
QTZ			@ 57.9 - 59.0 - more qtz rich section 2-3% white qtz; locally segments of qtz vein @ 05° - some qtz 2cm along foln; fine py along foln in BCU, in veins and in x cutting fracs [Bx]		qtz vns foln/qtz fracs	30-45° 85 30-35	w-m sil	6 py	24103	57.9	59.0
QTZ			@ 59.0 - 59.5 - 20% white qtz in zone @ 59.0 - white qtz vein 8 cm wide cut by pyritic fracs at 60°, dry fracs @ 45 @ 59.45 - 2cm qtz veinlet other white qtz vein frags in zone other clasts of folded siliciclastics		qtz vn py fracs fracs qtz vn	85 60 45 60	± w sil	5 py	24104	59.0	59.5
			@ 59.5 - dark gray, fine bedded, gtic siliciclastics very broken up to crushed [FLT]					3 py	105 106	59.5	60.95 STANDA
			@ 60.95 - more competent siliciclastics almost ribbon chert looking, beds ± 1cm; disrupted along 05 fracs foldire - dark brownish black colour py along foln		foln fracs fracs	65 but variable 05 35		2-3 py	107	60.95	62.5
			@ 62.5 - as above but grades into more faulted zone with crushed rock, minor gouge especially bottom 50cm		CNT	45		2-3 py	108 109	62.5	63.6 DUPLICA

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
63.6	73.3		@ conglomerate unit in Fault zone light-med gray colour crowded- clasts commonly 1 cm size but up to 7cm; clasts primarily variable fine graphitic pelitic to siliciclastic sediments locally grit, 5% vuke qtz								
			@ 63.6 - 64.15 - crushed rock to gouge bxed Cgl Bx Cgl Bx		gouge	50	m clay	1/2 py	24110	63.6	64.15
			@ 64.15 More competent, some gouge (5-10%) generally broken up, brecciated cgl unit some Rgfp clasts (not present in cgl but in bx) pyritized clasts and in matrix; veiny minor fine q stringers; chlorite alt'd clasts - minor orange staining		gouge fract q stks	30 20-25	± w sil ± m chl	3 py	111	64.15	65.55
			@ 65.55 - 67.25 as above, generally more competent, some large 5-7cm Rgfp clasts. Cgl Bx Cgl more orange staining - hard.		gouge	40	± w-m sil m chl	4 py	112	65.55	67.25
			@ 67.25 Cgl Bx - Fault gouge still have Rgfp fragments w. orange stain		gouge gouge	25° 10, 20°	m-s clay, w chl	2 py	113	67.25	68.6
			@ 68.6 - 69.8 fairly competent Cgl Bx with 10% fault gouge crushed rock very minor Rgfp clasts up to 1cm w orange stain		gouge 11	30° 05	w clay m chl w sil	3 py	114	68.6	69.8
			@ 69.8 - 71.6 Cgl Bx - crushed fault zone with large 15cm Rgfp clast @ 71.1m light gray 5% qtz eyes - few mm size, fine 10-15% fsp 1-2 mm w-m orange stain					1 py	115	69.8	71.6

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To
			@ 71.6 Bxed cgl minor gouge with 10cm pyritic (2%opy) Rgfp fragment? w orange stain		gouge	15	m chl w day	2-3 py	24116	71.6	73.15
			@ 73.15 15 cm gouge		CNT gouge	60°					
73.3	79.0		Grit with some fine cgl. as above competent 1-2 mm clast size, unsorted light-med grey colour in Fault zone ± local fine BCU		foln	85					
			@ 73.3 - mostly grit some 10-15cm cgl beds, Bxiation, gouge w orange stain		gouge	65	± w sil	1py	24117	73.15	74.65
			@ 74.65 - Fault zone in cgl to local fine siliciclastic beds -bx for 70cm cradled fm BCU, bxed cgl. 30% gouge or crushed zone strong fracturing @ 20° CA less @ 45 w minor fine qtz stringers still have Rgfp clasts.		fncs	20, 45	"	2py	118	74.65	76.5
			@ 76.5 - FLT zone in cgl - possible grit Rgfp frags up to 7cm 70% crushed rock ± gouge. at CNT		foln gouge gouge gouge	65 30° 45 10°	W day	1py	119	76.5	77.95
			@ 77.95 - 79. Competent grit with occasional clast to 1cm size weak foln, defined by stretched out clasts - disseminated py in matrix and rept. darker clasts - becomes fractured at bottom with ≤0.5cm gouge CNT		foln fncs gouge CNT	80 20. 70°	± w-m sil	3 py	120 121	77.95 DUPLICA	79.0

HOLE NUMBER: SP07-03

DEPTH (metres) From	DEPTH (metres) To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	SAMPLE DATA From	SAMPLE DATA To
79.0	82.75		Fine BCu unit in FAULT ZONE				w clay				
			@ 79-79.7 greenish chl-ser alt'd with folding deformation, crushed zones.				m chl-ser w clay	2py	24122	79.0	79.7
			@ 79.7 Fine BCu ± crackled to brecciated, rotated clasts to crushed with minor gouge in FLT ZONE		foln	70°	w chl-ser. w clay	2py	123	79.7	80.75
			@ 80.75-81.55 variably silicified @ 81.35-10cm qtz vein greyish colour cut by graphitic stwk. ± 4 rake py overall bxed and crushed to gouge zones locally silicified and pyritized!		qvn vnlets	70° 05, 30	w-m sil w clay	3py	124	80.75	81.55
									125	BLANK	
			@ 81.55 - FLT ZONE crushed BCu fine siliciclastics to mic clst/		fract/gouge	35°	m clay	1py	126	81.55	82.75
					CNT	60			127	STANDARD	
82.75	101.2		Coarser BCu grit to Cgl in FLT ZONE med-light grey colour., crowded with minor Rqfp dykes to 20cm.								
			@ 82.75-83.8 - fine Cgl-Grit with clasts < 0.5cm; occ to 1cm, crowded ± wsil zones ± gouge; fine pyritized clasts, crushed and bxed for 30cm at bottom;		foln gouge	60 25°	wsil wchl	2py	128	82.75	83.8
			@ 83.8 Cgl-brecciated with clasts of Rqfp ± wser. alt'd. pyritized clasts and clasts along foln in clasts minor fine stwks @ 85.35) to above note crushed and broken, minor fine g stks. minor Rqfp clasts.				wsil	2-3py	129	83.8	85.35
							± wsil m clay	2-3py	130	85.35	86.85

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Len
			@ 86.85 - fine - med cgl, coarser mainly 1cm clasts in centre				w sil	1/2 py	24131	86.85	88.2	
			@ 88.2 - cgl to grit to fines BCU interbeds up to 10cm wide, graded bedding tops ↓ down hole				w sil	1-2 py	132	88.2	89.9	
			@ 89.25-.45 Rgfp dyke? - light grey with few 1% qtz eyes 3-4mm, smaller 10% fsps		CNT LCNT	40° 50	w ser - clay					
			@ 89.9 - 91.3 Cgl - Grit locally brecciated and clay alt'd + gouge zones				w clay ± w ser ± w sil	1-2 py	133	89.9	91.3	
			@ 90.8-91.3 - pale grey grit unit - w sil over possible previous ser alt'n minor pyic clasts		foln gouge	55 65						
			@ 90.7 - 4cm 1% qtz frag cut by gfic stwk									
			@ 91.3-92.95 - FAULT ZONE - crushed to brecciated + 50% clay gouge in zone; in ante 10cm Rgfp? fragment wkly alt'd ? frags, clay alt'd fsps and minor qtz eyes → possible RCLT - finer tuffs version of lap tuffs					1 py	134	91.3	92.95	
			@ 92.95 - Faulted Cgl. - crushed, gouge zones, v local sil in centre, Med-light grey		foln frcs	75° 10°	± w sil, W clay	1-2 py	135	92.95	94.5	
			@ 94.5 - FAULT BRECCIA (any Cgl) red grey colour mod pyic		frcs foln CNT	20 55. 40	n clay.	1 py	136	94.5	96.6	
			CNT btw darker and lighter grey									
			@ 96.6 - 97.4 lighter grey cgl - bx in FAULT ZONE		foln	45	s clay	1 py	137	96.6	97.6	
			@ 97.4 - 97.6 otié - chert, gouge at bottom		gouge	35						
			@ 97.6 - Cgl bx, some Rgfp frags		foln	65	s clay	2 py	138	97.6	99.3	

HOLE NUMBER: SP07-03

DEPTH (metres) From	DEPTH (metres) To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	SAMPLE DATA From	SAMPLE DATA To
			@ 99.3 – 100.4 deformed cgl – Bx stretched qtz – defining foln; clay gouge zones near bottom of interval grades lighter colour near bottom		–		1% ser-chl ± 1% clay	½% py	139	99.3	100.4
					foln	60			140	DUPLICAT	
			@ 100.4 – 101.2 – more qtz rich zone in deformed and faulted cgl – Bx with frags of grey qtz to 5cm ± 7% qtz in zone; grades more crushed and gouging ↓						141	100.4	101.2
					CNT gouge	50					
101.2	127.4		Fine BCU in FCT ZONE pelitic to siliciclastics finely bedded.				m-s clay				
			@ 101.2 – >50% of zone clay gouge – crushed rock		foln	55	m-s clay	<½% py	142	101.2	102.1
									143	BLANK	
			@ 102.1 – ±40% of zone clay gouge – crushed rock – weak offset along 45° gouge fracs.		gouge/rock foln	45 50	m clay	½% py	144	102.1	103.65
			@ 103.65 – grading more siliciclastic 50% of zone strong clay gouge		foln	30	± s clay	–	145	103.65	105.15
			@ 105.15 FAULT GOUGE to crushed rock in BCU med-light grey colour, minor qtz clasts.				V.S. clay	–	146	105.15	106.7
			@ 106.7 – ~~cgl~~ FAULT GOUGE to crush						147	106.7	108.0
			@ 108.0 – more gfic Qte and Fault crush to gouge ~ 35% of interval		foln	65	m clay	1/2% py	148	108.0	109.7
			@ 109.7 gfic Qte to siliciclastics with fine py along foln and in fracs; fine qtz stringers; most of interval quite broken.		foln fracs	60 05,60	w s/l	2% py	149	109.7	111.3

HOLE NUMBER: SP07-03

DEPTH (metres) m	To	Graphic Log	DESCRIPTION	R E C. %	STRUCTURE Veins & Fractures	Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Le
		FLT	@ 111.3 broken crushed fault zone in above gfic qte		gouge	35°	s clay	2py	150	111.3	112.3	
			@ 112.3 aft white to tan coloured clay - sericitic altered deformed felsic dyke or more fsp rich interbed fine grained		CNT	40°	w ser. - clay		151	112.3	112.75	
			@ 112.75 - FLT ZONE in qte 60° to gouge - crush		LCNT	55	m-s clay	1 py	152	112.75	114.25	
			@ 114.25 moderately graphitic thin bedded siliciclastics, competent						153	STANDA		
					foln	60			154	114.25	115.8	
			@ 115.8 - as above, folding evident some more qte beds (10-15cm wide) with fine qte strs				± w sil		155	115.8	117.0	
			u CNT appears X cutting		uCNT	80°						
			@ 117.0 - 117.8 interbed of tan coloured possible fspathic sdst or pre deformation dyke; pale greenish tinge qtz - fsp-ser rock; LCNT along fold		foln	55	w ser		156	117.0	117.8	
					LCNT	55						
			@ 117.8 - fine thinly bedded BCU mod gfic clastics; minor fine py in few frcs; bedding few mm		foln	60		1/2 py	157	117.8	118.85	
									167	DUPLICATE		
			@ 118.85 - grading more siliciclastics bedding 8cm - 1cm		foln	45			158	118.85	119.7	
					minor gouge	45						
			@ 119.7 - more siliciclastic to dusty zones; 25% gouge		foln	70	w clay		159	119.7	120.1	
			@ 120.1 fine siliciclastics, locally disrupted, folded minor fine qte strs.		foln	70			160	120.1	121.6	
					foln	35						
					qtz strs	65 + foln						
			@ 121.6 - grading to ribbon chert some grey deformed qte veinlets along foln; frcs at 40° CA		frcs	40°			161	121.6	123.15	
			→ sericitic altered in centre 12cm		u CNT	50°	s chl - ser					
			uCNT bounded by gouge, LCNT along foln well foliated - grades to broken up at bottom of interval (approaching FLT?)		LCNT	80°						
					foln	75-80°						

HOLE NUMBER: SP07-03

DEPTH (metres) From	To	Graphic Log	DESCRIPTION	REC %	STRUCTURE Veins & Fractures	STRUCTURE Angle	ALTERATION	METALLIC MINERALS %	SAMPLE DATA Sample No.	From	To	Len m
			@ 123.15 ± 30% old deformed qtz vnlets in zone ± w carb in fine BCu siliciclastics, cut by minor pyic frcs ± qtz - few mm; - qtz vnlets to 1cm - bedding ∩ 1cm		foln	60		1 py	24162	123.15	123.6	
					qtz-py	30°						
			@ 123.6 - bedded fine siliciclastics, very broken up					1/2 py	163	123.6	124.65	
			@ 124.65 - as above, less broken ∩ 50% broken rubbly; minor older def qtz veinlets along foln and fibre ⨯cutting qtz strs		foln	55		1/2 py	164	124.65	125.2	
					qtz strs	05-25						
			@ 125.2 - 126.5 BCu as above deformed qtz vein in centre, cut by pyic frcs; other qtz along foln to 1cm, fine py in minor bxed zone few cm wide with qtz ± carb infilling and along foln.		qtz vn frcs	70° 25, 45, 05		2-3 py	165	125.2	126.5	
			@ 126.5 - 127.4 LOST CORE bit broke, crown down hole could not keep drilling									
EOH									24164	STANDARD		
									167 of 157	DUPL of		

APPENDIX VI

Geotechnical Data

(Core Recovery, Rock Quality and Box Ends)

Core Recovery and Rock Quality

Hole No:	SP 07-01	measured:	May 6-15, 2007		Project :	SPICE
Drill Interval			Core Recovery		RQD	
From	To	Length	Measured	% recovery	Measured	RQD
5.50	7.30	1.80	0.75	41.67	0.00	0.00
7.30	10.35	3.05	0.77	25.25	0.00	0.00
10.35	13.40	3.05	0.05	1.64	0.00	0.00
13.40	16.45	3.05	0.14	4.59	0.00	0.00
16.45	19.50	3.05	0.32	10.49	0.00	0.00
19.50	22.55	3.05	0.23	7.54	0.00	0.00
22.55	25.60	3.05	1.15	37.70	0.00	0.00
25.60	28.65	3.05	0.15	4.92	0.00	0.00
28.65	31.70	3.05	1.20	39.34	0.00	0.00
31.70	34.75	3.05	2.40	78.69	0.10	3.28
34.75	37.80	3.05	1.40	45.90	0.55	18.03
37.80	40.85	3.05	1.60	52.46	0.35	11.48
40.85	43.90	3.05	1.30	42.62	0.27	8.85
43.90	46.95	3.05	1.55	50.82	0.28	9.18
46.95	50.00	3.05	2.95	96.72	1.23	40.33
50.00	53.05	3.05	2.75	90.16	1.17	38.36
53.05	56.10	3.05	3.05	100.00	1.58	51.80
56.10	59.15	3.05	2.85	93.44	1.00	32.79
59.15	62.20	3.05	2.85	93.44	1.83	60.00
62.20	65.25	3.05	2.63	86.23	0.61	20.00
65.25	68.30	3.05	1.45	47.54	0.33	10.82
68.30	71.30	3.00	2.75	91.67	0.92	30.67
71.30	74.35	3.05	2.85	93.44	1.60	52.46
74.35	77.40	3.05	2.00	65.57	0.35	11.48
77.40	80.45	3.05	1.30	42.62	0.56	18.36
80.45	83.50	3.05	2.56	83.93	1.52	49.84
83.50	86.55	3.05	2.75	90.16	1.92	62.95
86.55	89.60	3.05	2.85	93.44	0.13	4.26
89.60	92.65	3.05	2.91	95.41	0.97	31.80
92.65	95.70	3.05	1.98	64.92	0.47	15.41
95.70	98.75	3.05	0.70	22.95	0.00	0.00
98.75	101.80	3.05	0.15	4.92	0.00	0.00
101.80	104.85	3.05	2.06	67.54	0.70	22.95
104.85	106.40	1.55	1.42	91.61	0.40	25.81
106.40	107.90	1.50	1.30	86.67	0.30	20.00
107.90	109.40	1.50	0.96	64.00	0.00	0.00
109.40	110.95	1.55	0.36	23.23	0.00	0.00
110.95	112.50	1.55	1.12	72.26	0.00	0.00
112.50	114.00	1.50	1.37	91.33	0.21	14.00
114.00	115.50	1.50	0.96	64.00	0.00	0.00
115.50	117.05	1.55	0.67	43.23	0.10	6.45
117.05	118.55	1.50	1.20	80.00	0.29	19.33
118.55	120.10	1.55	1.26	81.29	0.14	9.03
120.10	121.60	1.50	1.20	80.00	0.00	0.00
121.60	123.75	2.15	0.35	16.28	0.00	0.00
123.75	124.65	0.90	0.45	50.00	0.10	11.11
124.65	126.20	1.55	0.84	54.19	0.00	0.00
126.20	127.70	1.50	1.06	70.67	0.12	8.00
127.70	129.23	1.53	0.89	58.17	0.00	0.00
129.23	130.75	1.52	1.16	76.32	0.28	18.42
130.75	132.30	1.55	0.77	49.68	0.00	0.00
132.30	133.80	1.50	0.97	64.67	0.37	24.67
133.80	135.35	1.55	1.32	85.16	0.37	23.87
135.35	136.85	1.50	0.00	0.00	0.00	0.00
136.85	138.40	1.55	0.30	19.35	0.00	0.00
138.40	139.90	1.50	0.95	63.33	0.42	28.00
139.90	141.45	1.55	1.20	77.42	0.71	45.81
141.45	142.95	1.50	1.27	84.67	0.79	52.67
142.95	144.50	1.55	0.18	11.61	0.00	0.00
144.50	146.00	1.50	1.23	82.00	0.77	51.33
146.00	147.50	1.50	1.06	70.67	0.80	53.33
147.50	149.00	1.50	0.86	57.33	0.89	59.33
149.00	150.55	1.55	1.30	83.87	0.26	16.77
150.55	152.10	1.55	0.67	43.23	0.17	10.97
152.10	153.60	1.50	1.22	81.33	0.49	32.67
153.60	155.15	1.55	1.19	76.77	0.51	32.90
155.15	156.65	1.50	0.00	0.00	0.00	0.00
156.65	158.20	1.55	0.24	15.48	0.10	6.45
AVG.	**EOH**	144.80	86.13	**59.48**	27.03	**18.67**

Core Recovery and Rock Quality						
Hole No:	**SP O7-02**	**measured:**	**May 18-25, 2007**		**Project :**	**SPICE**
Drill Interval			**Core Recovery**		**RQD**	
From	**To**	**Length**	**Measured**	**% Recovery**	**Measured**	**RQD**
8.55	9.15	0.60	0.01	1.67	0.00	0.00
9.15	10.65	1.50	0.00	0.00	0.00	0.00
10.65	12.20	1.55	0.04	2.58	0.00	0.00
12.20	13.70	1.50	0.15	10.00	0.00	0.00
13.70	15.25	1.55	0.50	32.26	0.00	0.00
15.25	16.75	1.50	1.35	90.00	0.38	25.33
16.75	18.30	1.55	1.00	64.52	0.20	12.90
18.30	19.80	1.50	0.70	46.67	0.10	6.67
19.80	21.35	1.55	0.50	32.26	0.00	0.00
21.35	22.85	1.50	0.65	43.33	0.00	0.00
22.85	24.40	1.55	0.48	30.97	0.00	0.00
24.40	25.90	1.50	0.90	60.00	0.10	6.67
25.90	27.45	1.55	0.90	58.06	0.10	6.45
27.45	28.95	1.50	0.76	50.67	0.22	14.67
28.95	30.50	1.55	1.50	96.77	0.42	27.10
30.50	32.00	1.50	1.15	76.67	0.23	15.33
32.00	33.53	1.53	1.40	91.50	0.11	7.19
33.53	35.05	1.52	1.45	95.39	0.98	64.47
35.05	36.55	1.50	1.50	100.00	0.72	48.00
36.55	38.10	1.55	0.65	41.94	0.14	9.03
38.10	39.60	1.50	1.24	82.67	0.60	40.00
39.60	41.15	1.55	1.41	90.97	0.97	62.58
41.15	42.65	1.50	1.50	100.00	1.07	71.33
42.65	44.20	1.55	0.68	43.87	0.00	0.00
44.20	45.70	1.50	1.42	94.67	0.60	40.00
45.70	47.25	1.55	1.15	74.19	0.26	16.77
47.25	48.75	1.50	0.86	57.33	0.80	53.33
48.75	50.30	1.55	0.00	0.00	0.00	0.00
50.30	51.80	1.50	1.05	70.00	0.22	14.67
51.80	53.35	1.55	0.60	38.71	0.39	25.16
53.35	54.85	1.50	0.35	23.33	0.00	0.00
54.85	56.40	1.55	0.90	58.06	0.42	27.10
56.40	59.45	3.05	2.95	96.72	1.36	44.59
59.45	62.50	3.05	1.20	39.34	0.25	8.20
62.50	65.53	3.03	1.28	42.24	0.00	0.00
65.53	68.60	3.07	0.44	14.33	0.00	0.00
68.60	71.32	2.72	0.30	11.03	0.00	0.00
71.32	74.70	3.38	1.42	42.01	0.37	10.95
74.70	77.70	3.00	1.21	40.33	1.00	33.33
77.70	80.80	3.10	2.20	70.97	0.78	25.16
80.80	83.80	3.00	2.43	81.00	0.98	32.67
83.80	86.85	3.05	2.67	87.54	1.10	36.07
86.85	88.40	1.55	0.44	28.39	0.00	0.00
88.40	89.90	1.50	1.50	100.00	1.04	69.33
89.90	91.44	1.54	1.35	87.66	0.83	53.90
91.44	92.95	1.51	1.37	90.73	0.40	26.49
92.95	94.50	1.55	1.36	87.74	1.00	64.52
94.50	96.00	1.50	1.48	98.67	1.05	70.00
96.00	97.55	1.55	1.50	96.77	1.09	70.32
97.55	99.05	1.50	1.44	96.00	1.05	70.00
99.05	100.60	1.55	1.36	87.74	1.23	79.35
100.60	102.10	1.50	1.45	96.67	1.36	90.67
102.10	103.65	1.55	1.42	91.61	0.98	63.23
103.65	105.15	1.50	1.35	90.00	0.79	52.67
105.15	106.70	1.55	1.15	74.19	0.49	31.61
106.70	108.20	1.50	1.24	82.67	0.10	6.67
108.20	109.75	1.55	1.27	81.94	0.12	7.74
109.75	111.25	1.50	1.44	96.00	0.13	8.67
111.25	112.80	1.55	1.34	86.45	0.63	40.65

Hole No: SP O7-02		measured:	May 18-25, 2007		Project : SPICE	
Drill Interval			Core Recovery		RQD	
From	To	Length	Measured	% Recovery	Measured	RQD
112.80	114.30	1.50	1.35	90.00	0.00	0.00
114.30	115.80	1.50	0.60	40.00	0.00	0.00
115.80	117.35	1.55	1.25	80.65	0.35	22.58
117.35	118.85	1.50	1.26	84.00	0.47	31.33
118.85	120.40	1.55	1.37	88.39	0.15	9.68
120.40	121.90	1.50	1.17	78.00	0.10	6.67
121.90	123.45	1.55	1.44	92.90	0.84	54.19
123.45	124.95	1.50	1.41	94.00	0.50	33.33
124.95	126.50	1.55	1.32	85.16	0.41	26.45
126.50	128.00	1.50	1.21	80.67	0.34	22.67
128.00	129.55	1.55	0.16	10.32	0.00	0.00
129.55	131.05	1.50	0.69	46.00	0.20	13.33
131.05	132.60	1.55	0.36	23.23	0.00	0.00
132.60	134.10	1.50	0.88	58.67	0.17	11.33
134.10	135.65	1.55	1.10	70.97	0.23	14.84
135.65	136.25	0.60	1.55	258.33	0.53	88.33
136.25	137.15	0.90	0.60	66.67	0.33	36.67
137.15	138.35	1.20	0.35	29.17	0.00	0.00
138.35	138.70	0.35	1.20	342.86	0.30	85.71
138.70	140.20	1.50	0.35	23.33	0.35	23.33
140.20	141.75	1.55	1.38	89.03	0.80	51.61
141.75	143.25	1.50	1.55	103.33	1.41	94.00
143.25	144.80	1.55	1.45	93.55	1.35	87.10
144.80	146.30	1.50	1.40	93.33	0.50	33.33
146.30	147.80	1.50	1.32	88.00	0.33	22.00
147.80	149.35	1.55	1.43	92.26	0.22	14.19
149.35	150.85	1.50	0.72	48.00	0.11	7.33
150.85	152.40	1.55	1.45	93.55	0.24	15.48
152.40	153.90	1.50	1.22	81.33	0.15	10.00
AVG.	**EOH**	138.65	96.15	**69.35**	37.54	**27.08**

Core Recovery and Rock Quality						
Hole No:	SP O7-03	measured:	May 28-30, 2007		Project :	SPICE
Drill Interval			Core Recovery		RQD	
From	To	Length	Measured	% Recovery	Measured	RQD
0.00	7.01	7.01	0.15	2.14	0.00	0.00
7.01	7.62	0.61	0.31	50.82	0.00	0.00
7.62	9.15	1.53	1.01	66.01	0.00	0.00
9.15	10.65	1.50	0.90	60.00	0.13	8.67
10.65	12.20	1.55	1.38	89.03	0.43	27.74
12.20	13.70	1.50	0.80	53.33	0.00	0.00
13.70	16.45	2.75	0.75	27.27	0.00	0.00
16.45	18.00	1.55	0.70	45.16	0.00	0.00
18.00	19.80	1.80	0.30	16.67	0.00	0.00
19.80	21.35	1.55	1.20	77.42	0.20	12.90
21.35	22.85	1.50	0.90	60.00	0.20	13.33
22.85	24.40	1.55	1.16	74.84	0.30	19.35
24.40	25.60	1.20	0.90	75.00	0.11	9.17
25.60	26.50	0.90	0.58	64.44	0.00	0.00
26.50	27.70	1.20	0.70	58.33	0.00	0.00
27.70	28.90	1.20	0.34	28.33	0.00	0.00
28.90	29.85	0.95	0.60	63.16	0.00	0.00
29.85	30.50	0.65	0.20	30.77	0.00	0.00
30.50	32.00	1.50	0.62	41.33	0.00	0.00
32.00	33.50	1.50	0.92	61.33	0.12	8.00
33.50	35.05	1.55	1.40	90.32	0.81	52.26
35.05	36.50	1.45	1.10	75.86	0.31	21.38
36.50	38.10	1.60	1.23	76.87	0.46	28.75
38.10	39.60	1.50	1.46	97.33	0.62	41.33
39.60	41.15	1.55	1.33	85.81	0.87	56.13

Hole No:	SP O7-03	measured:	May 28-30, 2007		Project :	SPICE
Drill Interval			Core Recovery		RQD	
From	To	Length	Measured	% Recovery	Meas	RQD
41.15	42.60	1.45	0.46	31.72	0.00	0.00
42.60	44.20	1.60	1.53	95.62	0.32	20.00
44.20	45.70	1.50	0.76	50.67	0.00	0.00
45.70	47.25	1.55	1.16	74.84	0.23	14.84
47.25	48.75	1.50	0.86	57.33	0.00	0.00
48.75	50.30	1.55	1.49	96.13	0.11	7.10
50.30	51.80	1.50	1.40	93.33	0.00	0.00
51.80	53.35	1.55	1.31	84.52	0.10	6.45
53.35	54.85	1.50	1.05	70.00	0.23	15.33
54.85	56.40	1.55	0.68	43.87	0.27	17.42
56.40	57.90	1.50	1.26	84.00	0.85	56.67
57.90	60.95	3.05	1.13	37.05	0.00	0.00
60.95	62.50	1.55	1.35	87.10	0.65	41.94
62.50	64.00	1.50	1.45	96.67	0.77	51.33
64.00	65.55	1.55	1.03	66.45	0.17	10.97
65.55	67.05	1.50	1.50	100.00	1.16	77.33
67.05	68.60	1.55	1.21	78.06	0.13	8.39
68.60	70.10	1.50	1.50	100.00	0.32	21.33
70.10	71.60	1.50	1.42	94.67	0.00	0.00
71.60	73.15	1.55	1.49	96.13	0.43	27.74
73.15	74.65	1.50	1.39	92.67	0.26	17.33
74.65	76.20	1.55	1.33	85.81	0.41	26.45
76.20	77.70	1.50	1.49	99.33	0.50	33.33
77.70	79.25	1.55	1.55	100.00	0.52	33.55
79.25	80.75	1.50	1.35	90.00	0.83	55.33
80.75	82.30	1.55	1.50	96.77	0.49	31.61
82.30	83.80	1.50	1.24	82.67	0.76	50.67
83.80	86.85	3.05	0.71	23.28	0.28	9.18
86.85	88.40	1.55	1.25	80.65	0.10	6.45
88.40	89.90	1.50	1.37	91.33	0.74	49.33
89.90	91.45	1.55	1.40	90.32	0.20	12.90
91.45	92.95	1.50	0.83	55.33	0.12	8.00
92.95	94.50	1.55	0.90	58.06	0.38	24.52
94.50	96.00	1.50	1.41	94.00	0.99	66.00
96.00	97.55	1.55	1.25	80.65	0.81	52.26
97.55	99.05	1.50	1.48	98.67	1.02	68.00
99.05	100.60	1.55	1.39	89.68	1.04	67.10
100.60	102.10	1.50	0.96	64.00	0.44	29.33
102.10	103.65	1.55	1.30	83.87	0.00	0.00
103.65	105.15	1.50	0.46	30.67	0.11	7.33
105.15	106.70	1.55	1.24	80.00	0.41	26.45
106.70	108.20	1.50	0.82	54.67	0.36	24.00
108.20	109.70	1.50	0.65	43.33	0.13	8.67
109.70	111.25	1.55	0.58	37.42	0.00	0.00
111.25	112.75	1.50	1.16	77.33	0.56	37.33
112.75	114.30	1.55	0.57	36.77	0.00	0.00
114.30	115.80	1.50	1.42	94.67	0.51	34.00
115.80	117.35	1.55	1.43	92.26	0.60	38.71
117.35	118.85	1.50	1.49	99.33	0.67	44.67
118.85	120.10	1.25	1.25	100.00	0.49	39.20
120.10	121.60	1.50	1.47	98.00	0.87	58.00
121.60	123.15	1.55	1.46	94.19	0.40	25.81
123.15	124.65	1.50	1.22	81.33	0.11	7.33
124.65	126.20	1.55	0.84	54.19	0.14	9.03
126.20	126.50	0.30	0.12	40.00	0.00	0.00
126.50	127.40	0.90	0.00	0.00	0.00	0.00
AVG.	**EOH**	120.39	85.11	**70.70**	25.55	**21.22**

Project: SPICE BOX ENDS

Hole No: SP 07-01		
Box No.	Drill Interval	
	From	To
1	5.5	30.0
2	30.0	38.6
3	38.6	47.4
4	47.4	53.3
5	53.3	59
6	59	64.8
7	64.8	71.9
8	71.9	78.2
9	78.2	84.6
10	84.6	90.5
11	90.5	102.2
12	102.2	108.4
13	108.4	115.7
14	115.7	121.9
15	121.9	129.8
16	129.75	136.85
17	136.85	145.05
18	145.05	151.5
19	151.5	158.2
		EOH

Hole No: SP 07-02		
Box No.	Drill Interval	
	From	To
1	8.55	21.5
2	21.5	29.8
3	29.8	35.6
4	35.6	42.0
5	42.0	50.75
6	50.75	59.5
7	59.45	71.35
8	71.35	78.9
9	78.9	84.65
10	84.65	92.85
11	92.85	98.7
12	98.7	104.5
13	104.5	110.5
14	110.5	116.9
15	116.9	122.35
16	122.35	128.25
17	128.25	137.6
18	137.6	143.1
19	143.1	148.75
20	148.75	153.9
		EOH

Hole No: SP 07-03		
Box No.	Drill Interval	
	From	To
1	0	12.8
2	12.8	22.4
3	22.4	30.3
4	30.3	36.5
5	36.5	43.1
6	43.1	49.3
7	49.3	55.05
8	55.05	61.7
9	61.7	67.8
10	67.8	73.5
11	73.5	79.4
12	79.4	86.85
13	86.85	92.7
14	92.7	99.1
15	99.1	106.7
16	106.7	115.1
17	115.1	120.5
18	120.5	127.4
		EOH

Appendix VI
Statement of Expenditures

Wages:	Jean Pautler	31 days @ 600.00/day	18,600.00	
	Correen O'Shea	10 days @ 350.00/day	3,500.00	
	Mike Linley	18 days @ 300.00/day	5,400.00	
	Fred Dick	3 days @ 200.00/day	600.00	
	Bill Mann	3 days @ 500.00/day	1,500.00	
		Total: 68 man-days		**$29,600.00**
Drilling:	Alliance Sonic Drilling Inc. Whitehorse, Yukon			**73,546.01**
Helicopter:	Trans North Helicopters Ross River, YT			**111,403.80**
Geochemistry:	360 rocks @ 30.00/ea.	Au, ICP	9,000.00	
	freight		150.00	
		Total: (includes shipping)		**9,150.00**
Accommodation	(North Canol Bed & Breakfast)			**10,200.00**
Cooking and Cleaning:	(Eileen and Linda Johnny)			**8,836.66**
Groceries	(Ross River Dena Store, Ross River Service Centre)			**4,000.00**
Field Supplies:	(lights, heater, batteries, sample bags, markers, etc.)			**1,200.00**
Equipment Rental:	Truck	30 days @ $100/day	3,000.00	
	Radios	30 days @ $5/day	150.00	
		Total:		**3,150.00**
Transportation:	(Ross River return)			**1,517.00**
Thin section preparation and analysis:	(Dr. Tim Liverton)			**1,100.00**
Report & Drafting:				**8,000.00**
GRAND TOTAL:				**$241,303.47**
Total applied for assessment:				**$20,800.00**

SPICE 3
YB93158

SPICE 2
YB93157

SPICE 1
YB93156

SPICE 12
YB93616

SPOTC1
Cgl, silicified, quartz veinlets

SPOTC5
Rqfp, ± silicified

SPOTC6
Rqfp, silicified BCU

PIT 0
PIT 50
PIT 100
PIT 125
PIT 150
PIT 170
PIT 200
PIT 225
PIT 250
PIT 275
PIT 300
PIT 275
PIT 300

Spice Lake

2600

2500

L400E
L500E
L600E
L700E
L1000E

BASELINE

346500 E
346700 E
346800 E
346900 E
347000 E
347100 E
347200 E
347300 E

6876700 N
6876600 N
6876500 N
6876400 N
6876300 N
6876200 N

HOLES PLOTTED

TOTAL 3

SP07-01 SP07-02 SP07-03

NUMBER BANDS L/R COL RANGE
Au(ppb) R
1500
800
400
200
100
50
20

POSTED TEXT L/R TEXT ITEMS
UNIT L ------ All

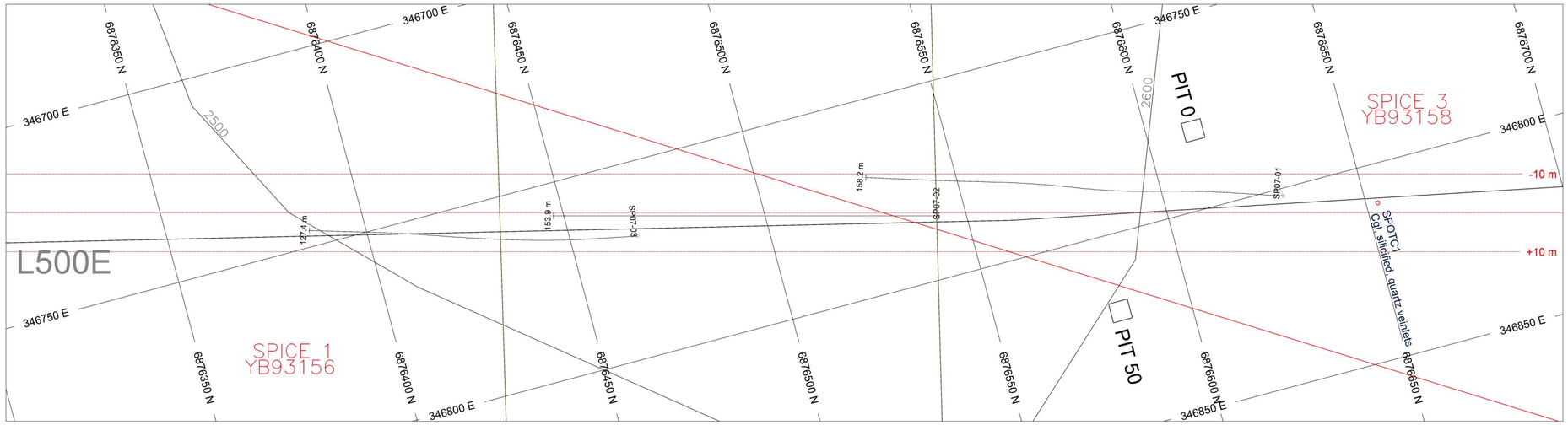
PLAN SPECS:
REF. PT. E, N 347000 m 6876000 m
EXTENTS 705 m 512.3 m

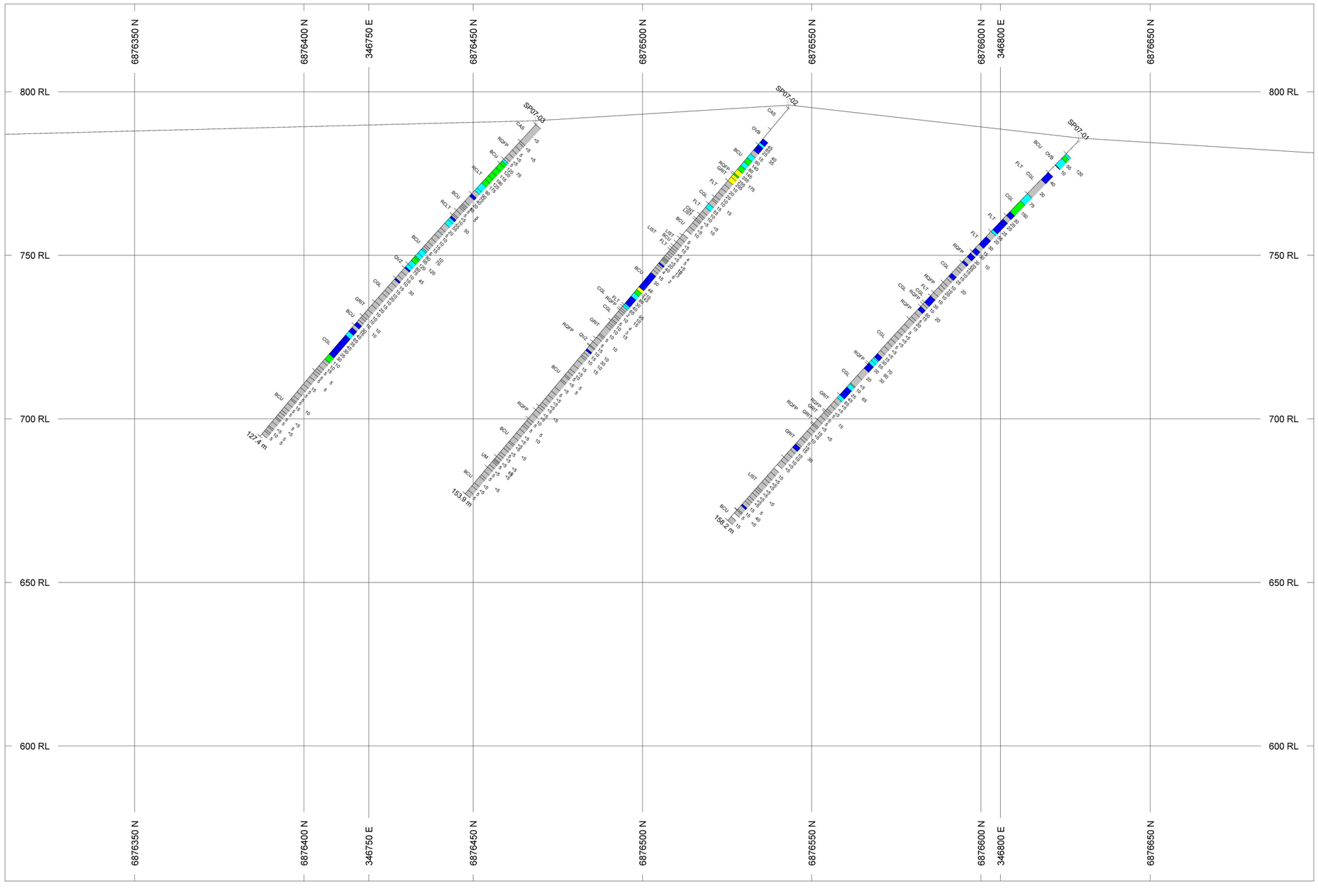
SCALE 1 : 1000
-10 0 10 (m) 20 30 40

Figure 9

Klondike Star Mineral Corp.
Spice Project
Drillhole Plan

January 2, 2008





HOLES PLOTTED

TOTAL 3

SP07-01 SP07-02 SP07-03

NUMBER BANDS	L/R	COL	RANGE
Au(ppb)	R		1500
			800
			400
			200
			100
			50
			20

POSTED TEXT	L/R	TEXT	ITEMS
Au(ppb)	R	-------	All
UNIT	L	-------	All

SECTION SPECS:

REF. PT. E, N	346773 m	6876505 m
EXTENTS	400.2 m	268.1 m
SECTION TOP, BOT	826.8 m	558.7 m
TOLERANCE +/-	10 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

Figure 10

AZIMUTH = 15°

N W E S

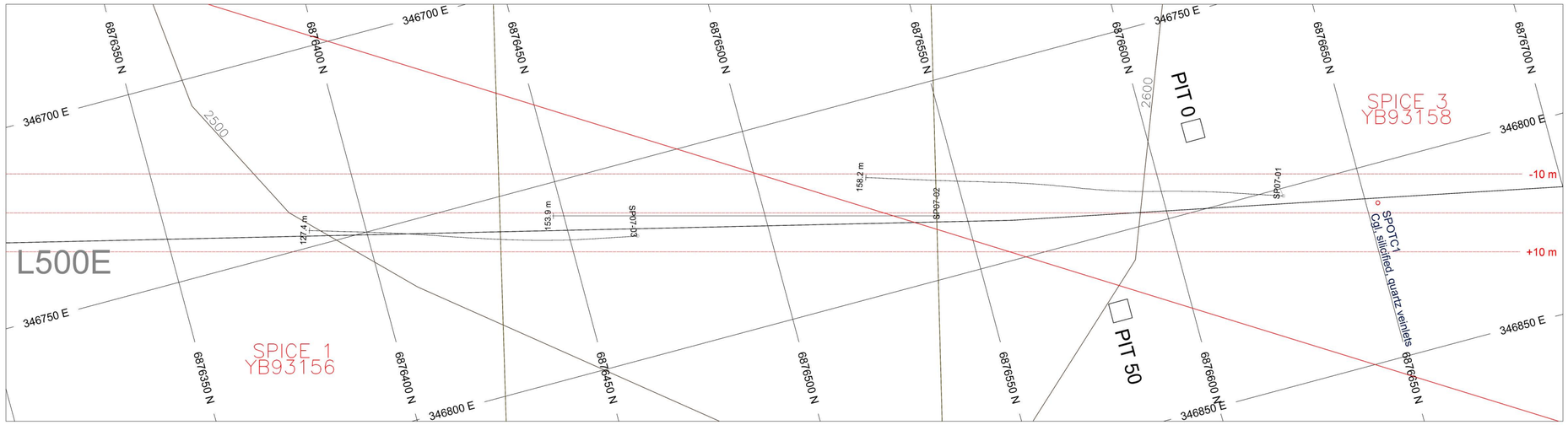
Klondike Star Mineral Corp.

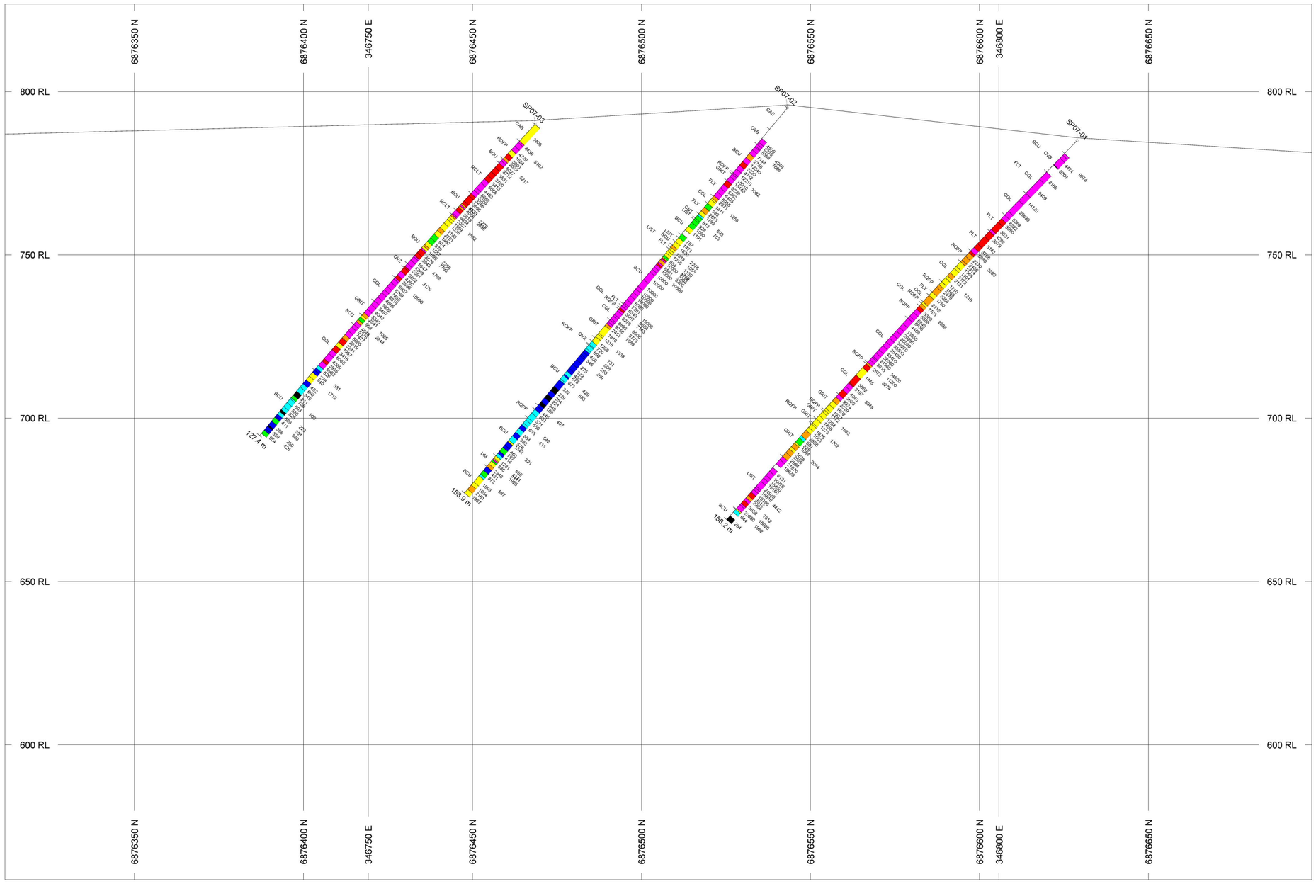
Spice Project

Drillhole Cross-section with Au

L500E - SP07-01, 02, 03

January 2, 2008





HOLES PLOTTED

TOTAL 3

SP07-01 SP07-02 SP07-03

NUMBER BANDS	L/R	COL	RANGE
Hg (ppb)	R		4000
			3000
			2000
			1000
			750
			500
			250

ASSAYS	L/R	TEXT
Hg (ppb)	R	-------

POSTED TEXT	L/R	TEXT	ITEMS
UNIT	L	-------	All

SECTION SPECS:

REF. PT. E, N	346773 m	6876505 m
EXTENTS	400.2 m	268.1 m
SECTION TOP, BOT	826.8 m	558.7 m
TOLERANCE +/-	10 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

Figure 11

AZIMUTH = 15°

N W E S

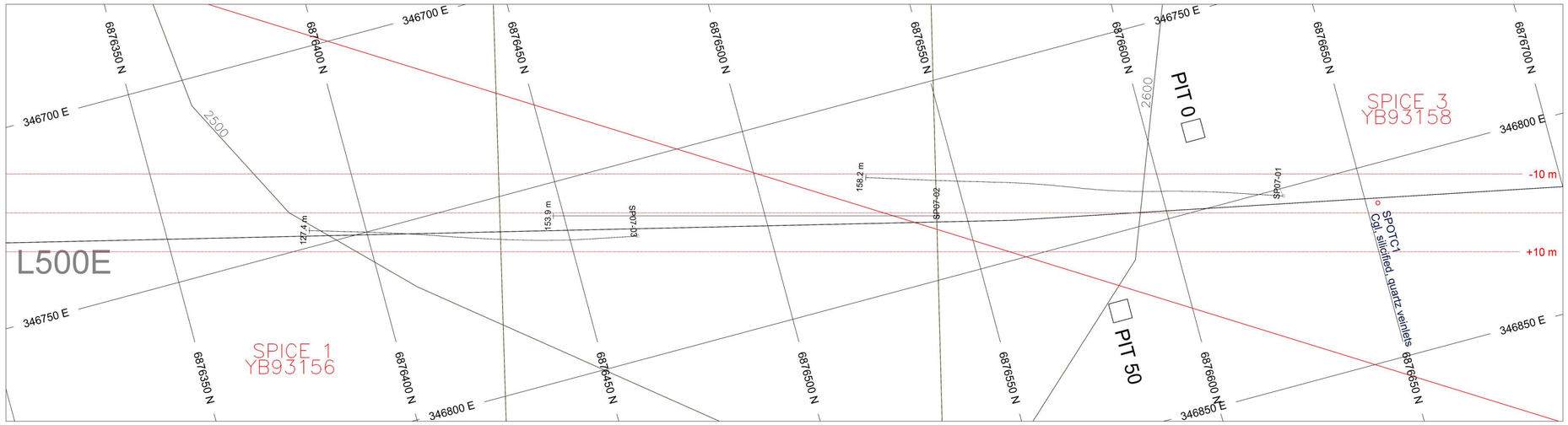
Klondike Star Mineral Corp.

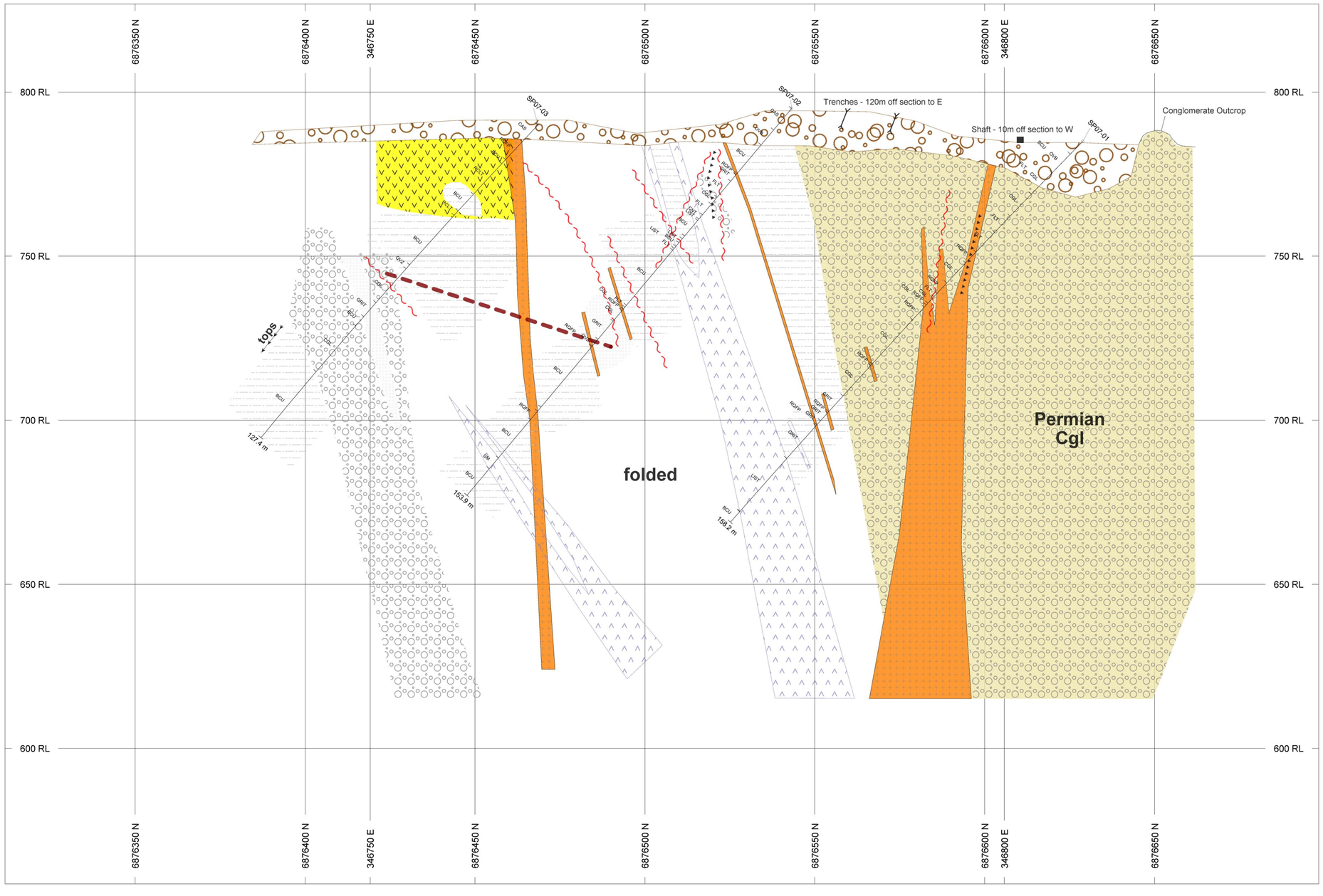
Spice Project

Drillhole Cross-section with HG

L500E - SP07-01, 02, 03

January 2, 2008





HOLES PLOTTED

TOTAL 3

SP07-01 SP07-02 SP07-03

SPICE LEGEND

QUATERNARY
Overburdern

CRETACEOUS to TERTIARY
RCLT - Rhyolite Crystal Lithic Tuff
RQFP - Rhyolite Quartz Feldspar Porphyry
LISTW - Listwanite Altered Ultramafic Rocks
UM - Ultramafic Rocks

PERMIAN
CGL - Conglomerate

CARBONIFEROUS
BCU - Fine Clastic Sedimentary Rocks
GRIT - Mostly Grit
CGL - Conglomerate

Fault
Breccia
Quartz Vein

POSTED TEXT	L/R	TEXT	ITEMS
UNIT	L	-------	All

SECTION SPECS:

REF. PT. E, N	346773 m	6876505 m
EXTENTS	400.2 m	268.1 m
SECTION TOP, BOT	826.8 m	558.7 m
TOLERANCE +/-	10 m	

SCALE 1 : 1000
(m)
-10 0 10 20 30 40

AZIMUTH = 15°
N W E S

Figure 12

Klondike Star Mineral Corp.
Spice Project
Geology Cross-section
L500E - SP07-01, 02, 03

January 3, 2008