

**ASSESSMENT REPORT**  
for  
**TRENCHING AND SAMPLING PROGRAM**

on the

**ANNE 1 to 8  
QUARTZ MINING  
CLAIMS  
(YC26740-YC26743  
YC94751-YC94754)**

**MARSH LAKE,  
YUKON TERRITORY**

**NTS 105 D/8  
ZONE 8  
6704100N, 542450E (NAD27)  
LATITUDE 60-29 N  
LONGITUDE 134-17W**

**Conducted between  
MAY, 2008  
and NOVEMBER, 2009**

**WHITEHORSE MINING DISTRICT  
YUKON TERRITORY**

by

**JOSEPH A. J. CLARKE  
MARSH LAKE, YUKON  
MARCH 10, 2010**

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## INTRODUCTION

This report describes the exploration work conducted on the Anne 1-8 Claims, 105D08, Marsh Lake, Yukon between May 1, 2009 and November 31, 2009.

The work consisted of mechanical trenching with a small Kubota tracked excavator, sampling and limited geological mapping and prospecting. In total, 59 rock samples were collected and shipped out for assay to Ecotech Laboratories.

Trenching results indicated that the Highway Fault Zone has a strike length over 1.5 kilometers, has a width of over 15 meters and contains elevated gold values up to 240 ppb Au. This is typical of other mesothermal gold showings in the northern Cache Creek Terrane.

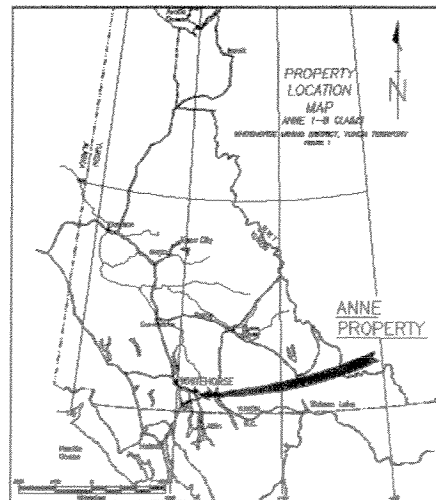
Total cost for the project was \$10,853.94, of which \$3,900 was contributed by the Yukon Mining Incentive Program.

Further exploration work, including geological mapping, prospecting, soil sampling and mechanical trenching should be conducted on the property. Additional claims should be staked to cover other known listwanite fault zones to the east and northeast.

## LOCATION AND ACCESS

The Anne 1-8 claims are located just east of the north entrance of Old Constabulary Subdivision, 65km south of Whitehorse along the Alaska Highway at Marsh Lake.

With the exception of a few rocky hills, all areas of the claims are accessible from a numerous networks of local ATV/ 4x4 trails and open bush. Road building was not required for trenching or access. No camp was required.



## TOPOGRAPHY, CLIMATE

The topography of the immediate area consists of small 25m to 50m hills and valleys generally running parallel to Marsh Lake. The terrain rises gently from Marsh Lake (elev 2200 ft) for an average of 3km NE of the Alaska Highway, then rises steeply reaching

5800 ft at the peak of Mt. Mitchie. Several periods of glaciation have rounded the hills and have resulted in moderate to deep deposits of till, clay, and the formation of ancient raised benches. Outcrop exposure is 35% on the property. The entire region was ice covered during the last ice age.

The climate of the area varies with highs of +30C in the summer to lows of -40C during the winter. Typical are long hot summers (May to September) with up to 18 hours of daylight and moderate to harsh winters (October to April) and less than 7 hours of daylight. Overall the climate of the Southern Lakes is considered to be pleasant.

Black spruce is the most common tree species on the property. These favor the NE side of valleys and are a common indicator of local permafrost. More exposed areas have a mixture of white and black spruce with occasional pine. In the most exposed areas aspen colonies are well established. Willow and alder are abundant in the valleys and low areas. Birch can be found in a few isolated locations on the north side of steep cliffs where they are exposed to little sunlight.

Wildlife inhabiting the area is typical of the Southern Yukon and includes moose, wolves, and various small birds and mammals. No large animals were encountered over the summer.

### EXPLORATION HISTORY

Hard rock exploration in the Marsh Lake area dates from 1895 on the nearby Rossbank property. Only scattered prospecting was performed until the 1980's when exploration activity increased with work on the Bug, Tog, and Rossbank properties.

Mr. Gary Reynolds staked the original Mike 1-8 claims in 1989 and filed one year assessment work. Mr. Reynolds conducted prospecting and geochemical surveys. Grab samples returned up to 86ppb Au.

The 1994 Jakes Corner Helicopter EM survey revealed several strong EM conductors resulting in the prospector staking the Uchi claims 1.5 km to the northeast. Several other claim groups in the area are active.

YMIP grassroots prospecting grants have been received and successfully completed in 1995 and 1997 on this and nearby prospects in the Marsh Lake area (see Fig. 2).

Exploration work by the prospector to date has consisted of prospecting, geological mapping and hand trenching on the claims. Hand trenching has focused on the Highway Fault Zone in the area of TR95-1 (Main Trench) as indicated in Figure 4. Other small trenches were dug to expose small splays and to look for various contacts (see Fig.4). Results up to 233ppb Au were obtained in the immediate area.

In October, 2008 a small Kubota excavator was used to trench at TR95-1, now known as the 'Main Trench'. A 1-2 meter wide quartz stockwork, with 1% primarily pyrite mineralization was discovered below the main listwanite vein. The stockwork continues into the fault footwall buried by talus. No assays were taken on this trench extension prior to 2009.

## REGIONAL GEOLOGY

The Anne claims are located within the Intermontaine Belt of the Yukon Territory. The geology of the NE side of Marsh Lake consist of a tectonic ophiolite assemblage of mafic and ultramafic submarine volcanics, cherts, and up-thrusted and altered ultramafic bodies known collectively as the Cache Creek Group (fig 3). Johnston and Borel give a excellent history of the Cache Creek Terrane in their 2006 Earth and Planetary Science Letters article, The Odyssey of the Cache Creek Terrane.

Intruding the Cache Creek may be various Cretaceous felsic and mafic bodies. The NW-SE trending Marsh Lake Fault is the prominent feature and includes many oblique splay faults forming drainage basins into the lake. These splay fault features are observable at outcrop scale.

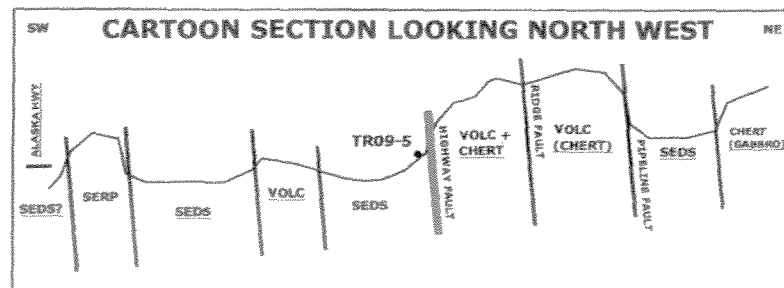
*The Cache Creek terrane is typified by an oceanic assemblage of massive limestone, ribbon cherts and ophiolite dominantly of mantle harzburgite tectonite, serpentinite mélangé, minor gabbro and volcanic rocks. Sequences of chert and limestone accumulated from Mississippian to early Jurassic age. Felsic intrusions in the ophiolite have Permian crystallization ages (Mihalynuk et al., 2003).*

## PROPERTY GEOLOGY

Geology of the Anne 1-4 claims consists of an accreted assemblage of oceanic mafic and ultramafic volcanics, cherts, limestone and ancient serpentized peridotites intruded by felsic, mafic to ultramafic dykes, pods and sills, all of the Cache Creek Group. The intrusive bodies will be considered to be part of the Cache Creek ophiolite suite but there exists a possibility that some could be related to mid to late Cretaceous felsic intrusions located 3 km to the east.

### Structure

Structure of the property is dominated by three vertical, NW trending, steeply dipping faults known as the Highway Fault Zone (HFZ Az135deg), and the Pipeline Fault Zone (PFZ



Az 160deg). A large mafic volcanic package forming a distinct ridge separates the two fault systems by 200-400m. A third strong fault occurs within the mafics just below the crest of the large prominent ridge that is known as the Ridge Fault Zone (RFZ Az 135deg). These three fault zones are splays off the regional Marsh Lake Fault. A strong lineament located at the south east corner of the property runs NS.

Numerous oblique splay faults occur on a smaller scale throughout the property. Further mapping is required to fully understand the structural geology of the property.

Trenching across the Highway Fault revealed brecciation, quartz veining, and small scale and faulting and folding across 20m. The fault zone continues under talus cover into the sediments, north into Marsh Lake and is clay covered to the south.

### Geology

The following units have mapped on the property and in the local area. All are considered to be part of the Cache Creek Terrane. Ash, MacDonald and Arksey suggest that many of the mafic intrusions found in listwanite altered mesothermal gold intrusions are tectonically emplaced sivers rather than intrusions. Unless intrusion contacts are identified it can be assumed on the Anne Claims, that the larger intrusion listed below are in fact faulted into place. The smaller dikes mapped show intrusion contacts.

**Unit 9 – Diabase** Several small (< 1m) diabase dikes occur and have been identified intruding both the mafic volcanics, ultramafics and chert units. They appear fresh, unaltered and are moderately silicified. The dikes trend EW and are vertical. The dikes are believed to be mafic hypabyssal intrusion within the ophiolite package. They could also be later post-accretion intrusions.

**Unit 8 – Lamprophyre** Three different lamprophyre bodies have been mapped on the property. These dikes are assigned to the Cache Creek ophiolite package but could be younger and related to Cretaceous or even Eocene intrusive events.

- A small (< 1m) EW trending vertical dike intrudes serpentinite along the west side of the Pipeline Fault. It is of medium to coarse-grained mafic composition containing well rounded, ocular, easily weathered grains of a micaceous mineral up to 2mm in diameter.
- A irregular shape body of lamprophyre intrudes or is in part accreted to the mafic volcanics, gabbro, and chert. It is light colored with large biotite crystals in a potassium feldspar/pyroxene medium grained matrix. Further mapping is required to determine the true attitude of this body.
- Two small irregular lamprophyre dikes intrude the volcanics. located on the east side of the large volcanic unit between the two fault systems. The are both medium grained with large chrome diopside megacrysts up to 2cm in size. They

seem to follow narrow, recessive breaks which appear to be crosscutting shears off the main faults. Further trenching and mapping in these areas is required.

**Unit 7 - Limestone** Dirty light brown limestone is exposed in a small outcrop at the north end of the property. It has a shallow dip to the NE. This unit is considered to be part of the Cache Creek group.

**Unit 6 - Siltstone/Mudstone** This unit occurs in low lying areas and is mostly covered by overburden. It is exposed along the Pipeline Fault and in TR09-01-03 and TR09-05-07. It consists of sometimes limey and later silicified siltstones and/or mudstones. This unit represent basinal sediments or interbedded or intercalated sediments. There is also a chance that this unit could be related to the Whitehorse Trough as mapped at the Bug showing at Judas Creek or rocks that outcrop on the northwest side of the large island at the north end of Marsh Lake.

**Unit 5 - Chert** This unit occurs throughout the property and is part of the ophiolite package. The chert is highly silicified, well ribboned and varies from light gray-green to dark gray in color. Quartz flooding has resulted in 1-2cm fracture filled veinlets.

Trenching (TR09-04) has revealed an area of brittle fracturing and brecciation of chert in the center of the property west of the Highway Fault. This could represent a fault contact with a serpentinite (Unit 3) outcrop to the south. The occasional grain of pyrite can be found in this unit except where listwanite altered near faulted zones, where up to 1% pyrite occurs as fine grained brass to silver crystals.

**Unit 4 - Mafic/Ultramafic Volcanics** This is the most well exposed unit on the property. This is the main bulk of the Cache Creek ophiolite package found on the Anne claims. The volcanics are moderately to highly chloritized. Silicification varies from low to locally high. This unit is also well silicified along the hanging wall on the east side of the Highway Fault. Fracturing of the unit at right angles has resulted in a stockwork of >1cm quartz veining with an average distance of 15m east of the fault on the hanging wall. This is well exposed in Trench TR09-06. This package also shows flow banding and occasional pillow margins. It is not uncommon to find found bounded slivers of banded chert 1 to 10 meters wide. In some areas it appears as if the mafic volcanics perhaps conformably overlies the chert but more work must be done to determine this relationship.

**Unit 3 - Serpentinized Peridotite** This unit is exposed in several NS narrow outcrops east of the Alaska highway. It is carbonate altered with many green patches of serpentinite. Quartz veining and mineralization are rare.

**Unit 2 - Plagiogranite** Located at the SE corner of the property is a small body of medium grained plagiogranite. It is feldspar rich with hornblende and biotite mica. It also has the appearance of comendite. This body is most likely part of the ophiolite package. Trenching and mapping will be required to define the contacts of this intrusion and determine their nature.

**Unit 1 – Gabbro** A large irregular gabbro body intrudes or is faulted against both the mafic volcanics and the chert units. It is unaltered, medium grained showing a weak columnar structure. Mapping of the contact is required as it is possible this unit may be a interflow intrusion within mafic volcanics.

### Vein Geology and Mineralization

The Highway Fault Zone separates Unit 6 (Siltstone/Mudstone) and Unit 4 (Mafic Volcanics). The sediments occur in the footwall at the toe of the slope with mafic volcanics on the hanging wall forming the ridge. Fuchsite alteration is commonly found across the fault.

In the fault zone from hanging wall to foot wall (NE-SW);

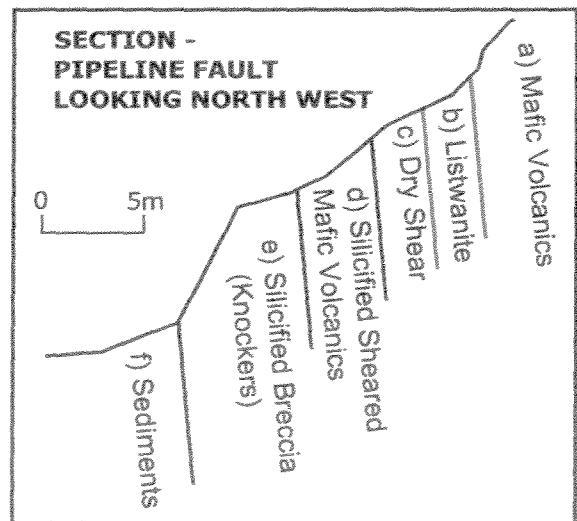
**a) Mafic Volcanics** – The unit forms the prominent ridge and consist of mostly of mafic volcanics as well as ultra-mafic volcanics and wedges of chert. Close to the listwanite, 1-2 cm quartz veins occurs in fractures. Pyrite occurs in fine disseminations and blebs up to 1%.

**b) Listwanite** – This 1-2 meter wide unit is composed of white bull quartz and quartz breccia with intense listwanite and dolomite alteration. Fuchsite is pervasive throughout. It contains breccia fragments up to 10cm, vuggy quartz veins and occasional pyrite cubes up to 3mm in size many of which are rusted out. It is the classic listwanite float that occurs throughout the area.

**c) Sheared Mafic Volcanics (Dry Shear)** – This unit consists of friable very highly sheared mafic volcanics. It is consistently 1 meter wide and lies directly below the listwanite. This sub-unit seems to contain the highest gold values.

**d) Silicified Sheared Mafic Volcanics** – This unit consists of lightly to highly sheared mafic volcanics. Blocks greater than 1m occur.

**e) Silicified Breccia (Mélange/Knockers)** – consisting of clasts of massive volcanics, sheared volcanics, chert, sediments. Relatively large (>2m) slabs of massive volcanic hanging wall are common. A highly silicified breccia occurs consisting of 1mm to 3cm angular fine grained fragments in a dark quartz rich matrix. It has the appearance of a pseudotachylite over a 5-20 cm scale.



Fine grained pyrite varies between 0.5 – 3% with occasional 1-3mm blebs.

**f) Sediments** This unit consists of 0.5-4cm beds of a grey to dark brown sometimes cherty mudstone to siltstone sediment. It is highly silicified and contains up to 3% pyrite within the fault zone or where a quartz stockwork has developed. Overall this unit contains 0.5-1% pyrite, is limonite stained, well fractured and occurs at the bottom of scraps adjacent to recessive lows.

### Discussion

Ash, MacDonald and Arksey note the importance of structure in listwanite altered mesothermal gold deposit models in ophiolitic terranes;

*"The locus of significant mineralization is typically associated with silicified zones (veins or stockworks) at the core of the structural zone or in its related splays." (Ash, MacDonald, Arksey – BCGS Geological Fieldwork 1991, Paper 1992-1)*

The HFZ matches this description with strong silicification, veining and stockworks within and on either side of the fault zone. The overall width is up to 20 meters. At least two generations of quartz veining and brecciation occur.

Pyrite is the most common sulphide present. In the listwanite, sub-unit b), it occurs as cubes and blebs up to several millimetres in size, often weathered out near the surfaces. In the brecciated zones in the footwall it occurs as finely disseminated silver to bronze coloured grains, with the occasional larger bleb. Chalcopyrite and galena are rare and generally fine grained. Bright green fuchsite can occur throughout the zone but is strongest in the main listwanite vein.

It is recommended in the future that more samples are analysed under a microscope. There are several other minerals that the prospector was unable to identify,

### EXPLORATION WORK PROGRAM

The main work focus was on trenching with a small Kubota (10,000lbs) tracked excavator. Trenching was conducted at several locations on the Highway Fault Zone at the site of existing hand trenching. Fifty four samples from the trenches were collected analyzed with the standard Au +30 pathfinder method by Ecotech Labs. Five samples from other areas were also sent out for assay. Total volume removed in the trenching program was 400 m<sup>3</sup>. Prospecting traverses were made across all claims.

**TR09-01 - Listwanite Fault Zone** - This trench is located at the north end of the property at the toe of the ridge. Four 1m chip samples were collected from unit e), taken off a vertical face. Mineralization consisted of 1-2% pyrite.

Samples #26412-15 returned 25, 20, 15 and 35 ppb Au.

**TR09-02 - Listwanite Fault Zone** - This trench was located SE of TR09-01 and exposed the same unit as well as some of the upper "Dry Shear" unit. Four continuous chip samples were collected.

Sample # 26418 returned 15 ppb Au.

**TR09-03 - Listwanite Fault Zone** - This trench was located SE of TR09-02 on the Highway Fault. Unit a) consisted of ultramafic volcanics rather than mafic volcanics. At the contact with the listwanite, intense talc alteration occurs. Note the Nb levels, typical of tholeiitic basalts. Four chip samples were collected.

All samples returned 5ppb Au from this trench.

It is recommended that further trenching occurs here to better expose the sediment/breccia contact and also to further expose the talc alteration.

**TR03-04 - Lamp/Chert** - This trench exposes a 1.5m wide lamprophyre dike that intrudes within the faulted contact of banded chert (Unit 5) and sediments (Unit 6). The contact and the dike runs E-W and is vertical. On the south side of the contact the chert is highly brecciated with only partial infilling of quartz. Fine grained pyrite and possibly chalcopyrite occur. Two samples were taken and show enrichment of rare earth elements.

It is recommended that several whole rock samples be taken here.

**TR09-05 - Main Trench NW** - This trench further exposes the Highway Fault NW of the Main Trench. It followed the along the contact between sub-unit e) and sub-unit f). The main purpose was to expose the "knocker" unit with the intense silicification, brecciation and 1-3% pyrite mineralization. Eight chip and six grab samples were taken from this trench.

Sample #26438 returned 105 ppb Au from the dry sheared volcanics below the listwanite quartz vein. Several other samples returned 25 ppb Au.

It is recommended that further trenching be done here to expose the contact below and above the listwanite.

**TR09-06 - Main Trench** - The Main Trench was the first area exposed by hand trenching beginning in 1995. It provides the best cross-section across the Highway Fault and exposes all sub-units. Nineteen chip and three grab samples were taken from this trench.

Samples #56601-04 returned 65, 240, 75, and 25 ppb Au. Sample #56602 was taken from sheared mafic volcanics with 0.5 – 2cm quartz veining and 1-2% pyrite mineralization below the main listwanite massive quartz vein.

Further trenching and sampling at the top end of this trench is recommended.

**TR09-07 - Main Trench SE** – This trench is located just SE of the TR09-06 and follows the contact below the listwanite.

Sample #55610-11 returned 20 and 25 ppb Au from the same shear in TR09-06 where #55602 was taken.

It is recommended that further trenching be done here to expose the contact below the listwanite.

**TR09-08 – Serpentinite Trench** – This trench exposes (Unit 3) serpentinized peridotite. No samples were taken here (it was sampled in 1995). It is recommended that several whole rock samples be taken here.

**TR09-09 – Mafic Volcanics** – This trench exposes a shallow outcrop of mafic volcanics located 75 meters below the Main Trench. It is assumed that (Unit 6) sediments occur between this trench and the main trench. No significant mineralization occurs here.

**TR09-10 – Mafic Volcanics** – This trench exposes mafic volcanics on the same outcrop as TR09-09 100m to the SE. No significant mineralization occurs here. Both this trench and TR09-09 should be cleaned with the snow melt in the spring to better expose more detailed structures including pillow margins.

**TR09-11 – Pipeline Trench** – This trench exposes sediments (Unit 6) in the center of the Pipeline Fault. These rusty sediments contain 1-2% pyrite with 1 cm quartz veins occurring in a stockwork. Chert (Unit 5) occurs to the NE. Gabbro (Unit 1) occurs to the NE as well. Although sampling did not produce any gold values further trenching in this area should be done to better expose contacts and faulting.

Sampling was done by the prospector. Trenches were cleaned by hand, measured and marked out with paint then sampled. Samples were delivered to the Eco-tech prep lab in Whitehorse. The prospector was the only one to handle the samples.

Trenches were left exposed but contoured and in a safe stable condition. Natural revegetation of fireweed, wild roses, saskatoon berry, raspberry and scrub willow was already occurring by the late fall. Several areas will be backfilled after inspection by industry and government geologists in the spring of 2010. No fuel or other items or debris was left on the property. Minor garbage from over the years and some old culverts were removed and several old brush and grass piles were spread out.

Midway through the project the adjoining Anne 5-8 claims were staked to the southeast.

Greater understanding of the geology and mineralization was gained by visits of geologists Farrell Andersen, Mike Wark and staff from Saturn Minerals

### SUMMARY AND RECCOMENDATIONS

Results from the 2009 YMIP work program, as well as sampling under YMIP programs in 1995 and 1997, indicated that the Highway Fault Zone contains elevated gold values (up to 240 ppb Au). Gold values are higher in the sheared mafic volcanics in the footwall, directly below the listwanite quartz vein. The HFZ has a strike length of over 1.5km and a width of 15 meters. It is a large, deep seated system that has the potential to host mesothermal gold at economic grades. As well there are several other known similar fault zones of similar dimension and with similar mineralization, within three kilometers distance. Further work is recommended for the Anne Claims including:

- Staking of 20 to 40 claim to cover other listwanite fault zones, helicopter EM anomalies and the area adjacent to the large pegmatitic syenite to the northeast. Previous sampling by the prospector has returned gold results of over 200ppb Au.
- Further mini-excavator trenching should be done at the Main Trench area to better expose the sheared mafic volcanics below the listwanite. This section of the zone should be excavated along strike to the NW and SE.
- TR09-03 should be further extended to the NE and SW to better understand the mineralization and role of the ultramafic volcanics found there.
- Whole-rock analysis should be performed on all intrusive rocks and in particular the coarse grained lamprophyre with chrome diopside megacrysts. Thin section work should also be done. It is recommended that YGS geologists investigate the relationship of these intrusives with age dating and geochemical analysis. The work done on the property provides good exposures of the Cache Creek ophiolite geology and it is hoped that it is taken advantage of.
- Further trenching should be done northeast of the Pipeline Fault to investigate contact relationship, search for further listwanite alteration and potential skarn mineralization.
- Detailed geological mapping should be performed at the Highway Fault Zone at a various scales.
- Detailed prospecting and geological mapping should be done at a property scale.
- Advice should be sought for the best way to perform geophysical and geochemical surveys. While soil sampling may be hindered by the glacial till, modern methods and GIS applications may overcome this.

- If a low cost auger drill is available it should be used to better define depth to bedrock and bedrock type. Resulting samples reached from below the clay should be panned and sent for assay.

It is also the prospectors belief, based on past experience, that this property is close to being 'drill ready'. The Motherload adage "drill for structure (geology), drift on grade" is very applicable to this property.

The above recommendations, less drilling, could be conducted over one summer month with a crew of one geologist and two prospectors. Estimated cost for such a project would be \$25,000 to \$50,000.

APPENDIX I - FIGURES

FIGURES

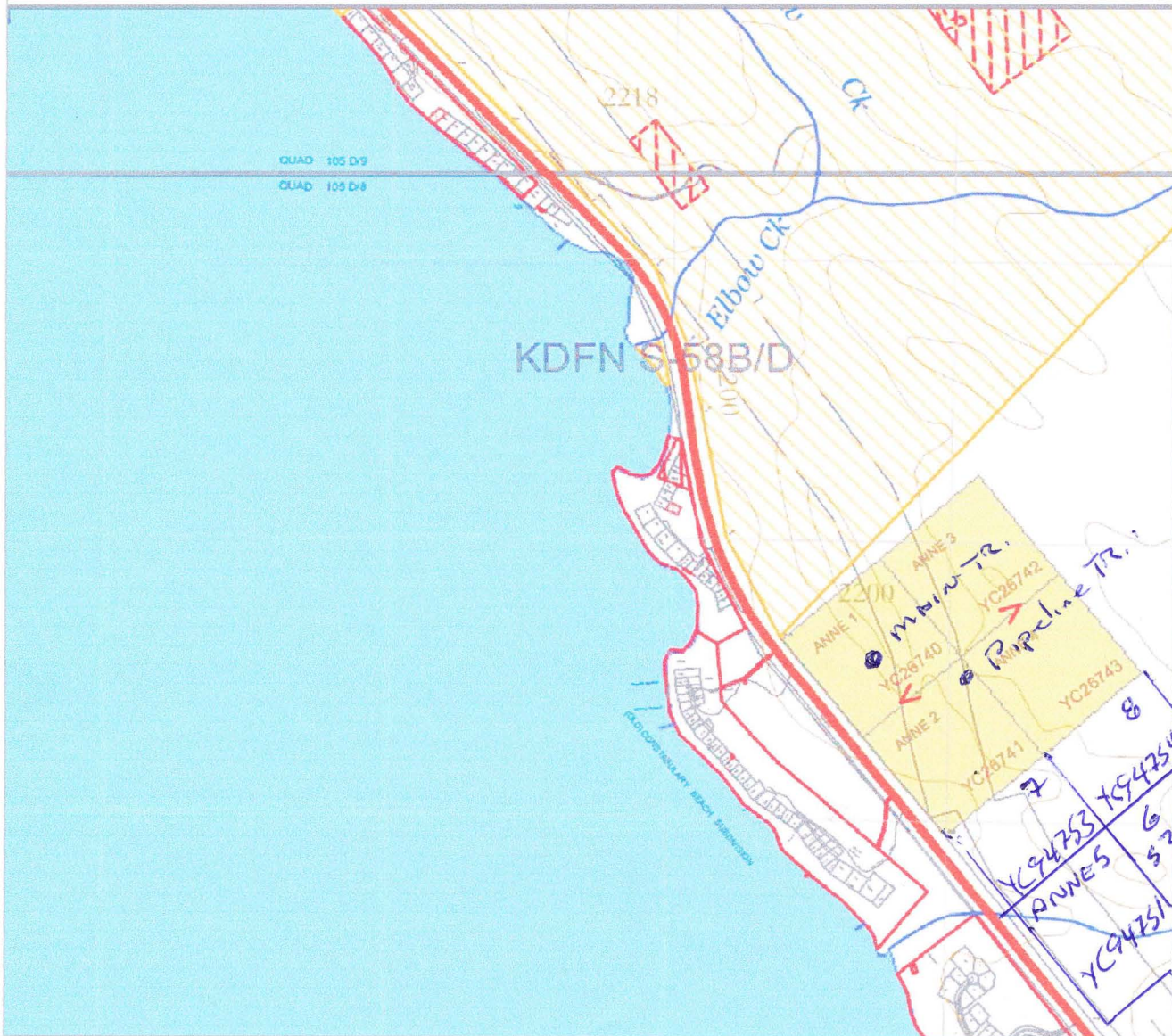
0°0'W

537000

538000

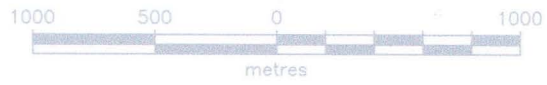
539000

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Legend

15 CLAIM #  
 YB26526 GRANT#

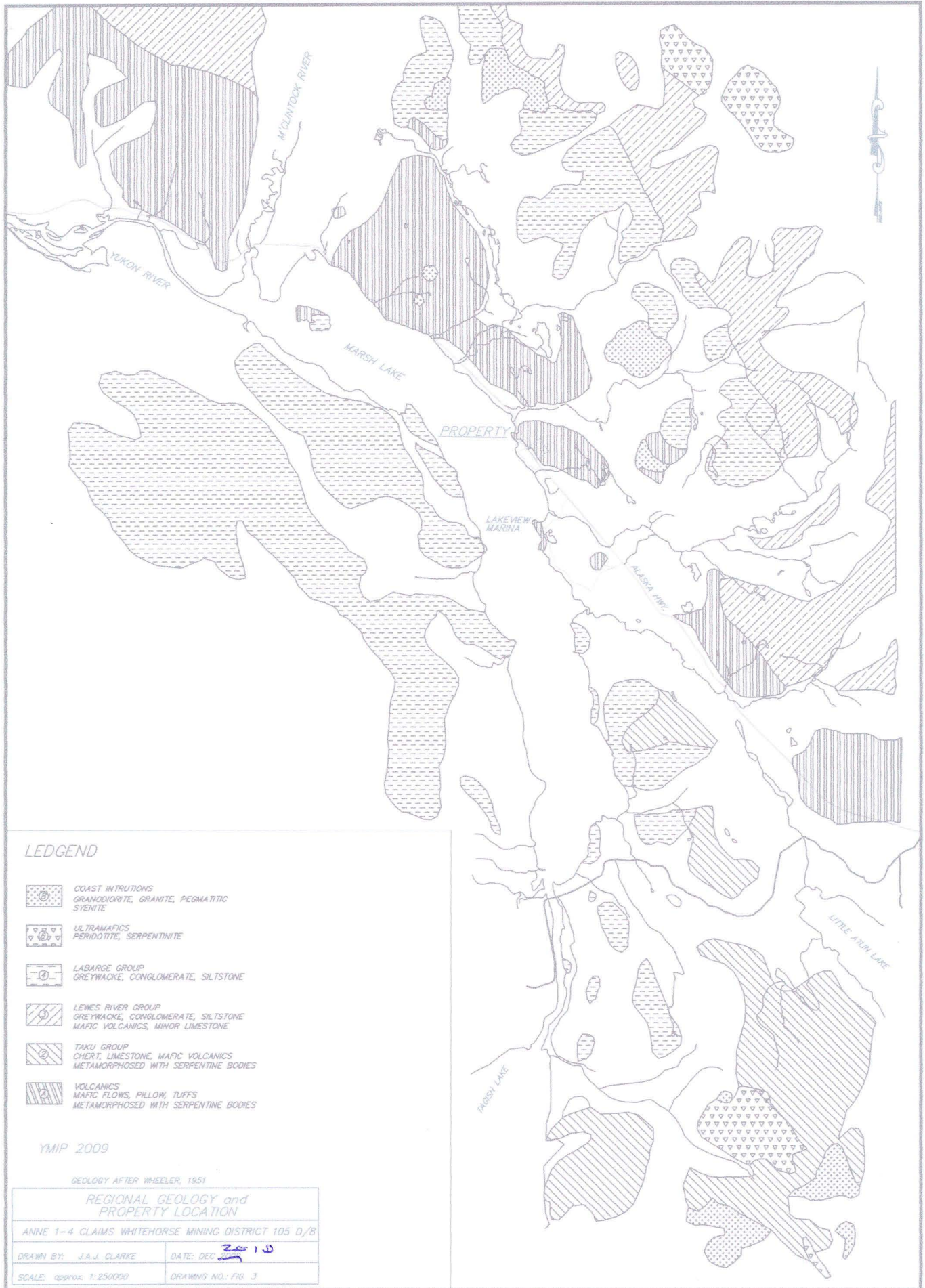


ANNE 1-4 CLAIMS  
 WHITEHORSE MINING DISTRICT, YUKON TERRITORY







CLAIM  
 LOCATION  
 MAP

2010

J. CLARKE, MARSH LAKE, YUKON	DATE: AUGUST, 2006
NTS 105 D/8	DRAWN BY: JC
SCALE: 1:30,000	FIGURE 2



LEDGEND

- 
 COAST INTRUSIONS  
 GRANODIORITE, GRANITE, PEGMATITIC  
 SYENITE
- 
 ULTRAMAFICS  
 PERIDOTITE, SERPENTINITE
- 
 LABARGE GROUP  
 GREYWACKE, CONGLOMERATE, SILTSTONE
- 
 LEWES RIVER GROUP  
 GREYWACKE, CONGLOMERATE, SILTSTONE  
 MAFIC VOLCANICS, MINOR LIMESTONE
- 
 TAKU GROUP  
 CHERT, LIMESTONE, MAFIC VOLCANICS  
 METAMORPHOSED WITH SERPENTINE BODIES
- 
 VOLCANICS  
 MAFIC FLOWS, PILLOW, TUFFS  
 METAMORPHOSED WITH SERPENTINE BODIES

YMIP 2009

GEOLOGY AFTER WHEELER, 1951

REGIONAL GEOLOGY and  
PROPERTY LOCATION

ANNE 1-4 CLAIMS WHITEHORSE MINING DISTRICT 105 D/B

DRAWN BY: J.A.J. CLARKE

DATE: DEC

2010

SCALE: approx 1:250000

DRAWING NO.: FIG. 3

LEGEND

PERMIAN TO TRIASSIC

- 9 DIABASE; FINE TO MEDIUM GRAINED
- 8 LAMPROPHYRE; MEDIUM TO COARSE GRAINED.
- 7 LIMESTONE; DIRTY CRYSTALLINE WITH OCC. CHERT CLASTS.
- 6 SILTSTONE-MUDSTONE, GRAPHITIC PYRITIC
- 5 CHERT; LIGHT COLORED RIBBON CHERT, LOCALLY BRECCIATED AT FAULT CONTACTS.
- 4 MAFIC/ULTRAMAFIC VOLCANICS; LIGHT TO HEAVY CHLORITE ALTERED, REMNANT FLOW BANDING AND WEAK PILLOW MARGINS.
- 3 SERPENTINIZED PERIDOTITE; VARIABLY ALTERED AND SHEARED.
- 2 PLAGIOGRANITE; MEDIUM TO COARSE GRAINED WITH FRESH APPEARANCE. MICACEOUS
- 1 GABBRO; MEDIUM TO COARSE GRAINED, FRESH TO ALTERED, RELATED TO UNIT 2?

- OUTCROP BOUNDARY
- GEOLOGICAL CONTACT
- TRENCH (OLDER)
- TRENCH (2009)
- TEST PIT 2009
- LISTWANITE VEINING/BRECCIATION
- ROCK SAMPLE, 1995/96
- SOIL SAMPLE, PRE-1995
- FAULT
- STRIKE AND DIP
- CLAIM POST
- 4X4 TRAIL
- MINERALIZATION
  - Py PYRITE
  - Cp CHALCOPYRITE
  - Gn GALENA
  - Bx BRECCIA



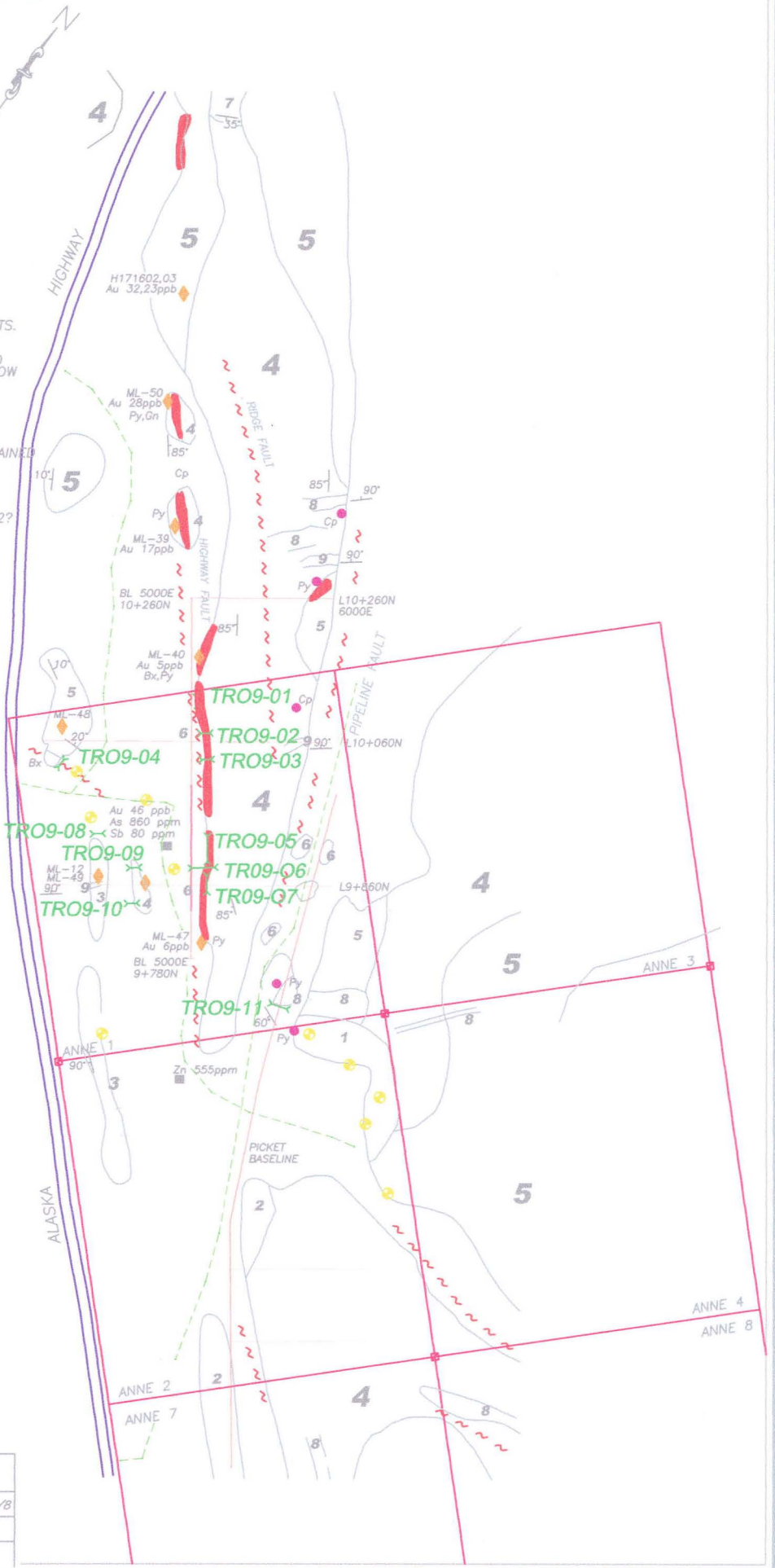
GEOLOGY AFTER WHEELER, 1951

PROPERTY GEOLOGY AND TRENCH LOCATION

ANNE 1-4 CLAIMS WHITEHORSE MINING DISTRICT 105 D/B

DRAWN BY: J.A.J. CLARKE DATE: JANUARY 2010

SCALE: approx. 1:9000 DRAWING NO.: FIG. 4





ANNE 1-8 CLAIMS  
 NTS-105 D08  
 MARSH LAKE, YUKON  
 JAN 10, 2010



ANNE 1-8 CLAIMS  
 NTS-105 D08  
 MARSH LAKE, YUKON  
 JAN 10, 2010

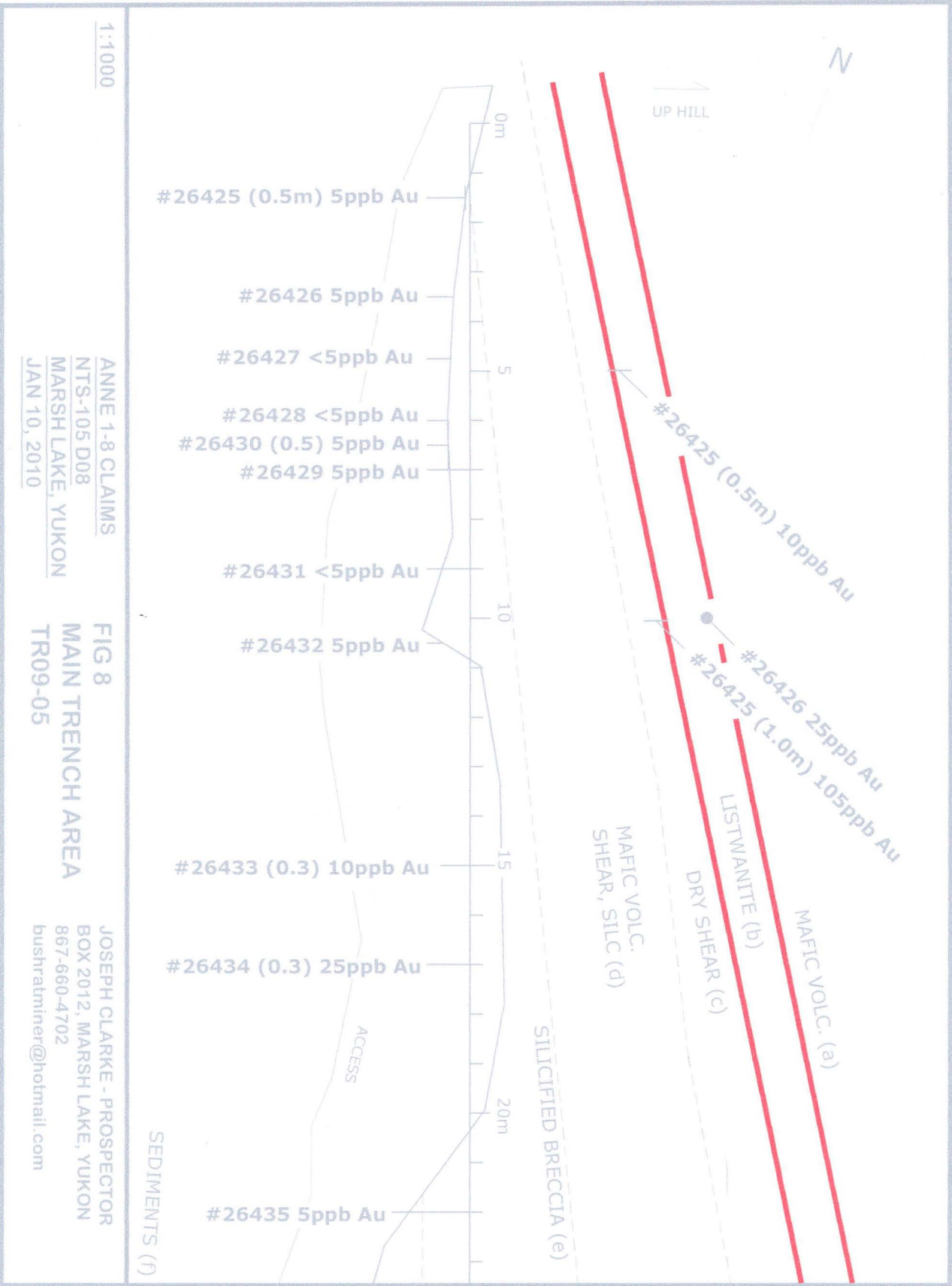


1:2000

ANNE 1-8 CLAIMS  
 NTS-105 D08  
 MARSH LAKE, YUKON  
 JAN 10, 2010

FIG 7  
 MAIN TRENCH AREA

JOSEPH CLARKE - PROSPECTOR  
 BOX 2012, MARSH LAKE, YUKON  
 867-660-4702  
 bushratminer@hotmail.com

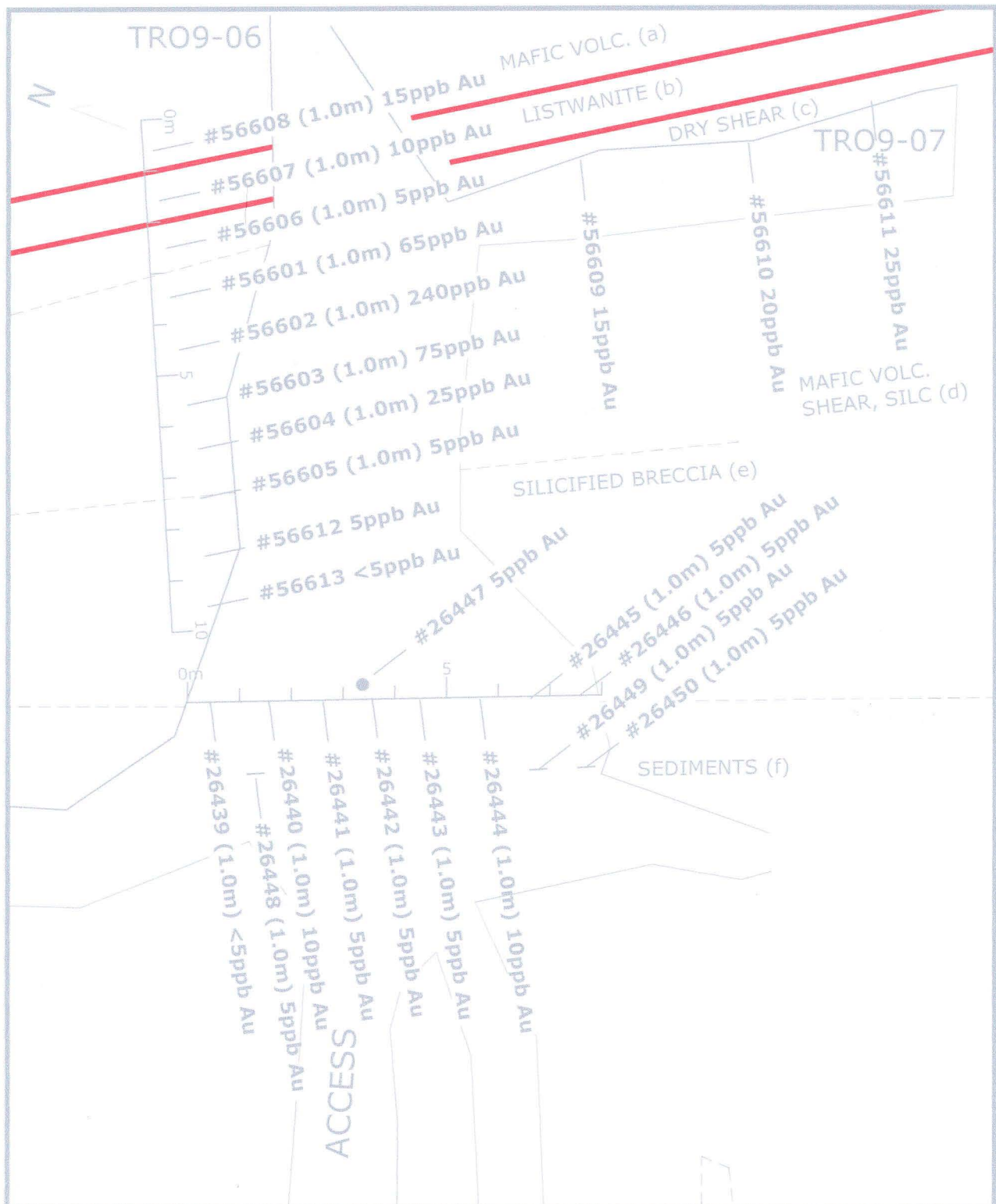


1:1000

ANNE 1-8 CLAIMS  
 NTS-105 D08  
 MARSH LAKE, YUKON  
 JAN 10, 2010

FIG 8  
 MAIN TRENCH AREA  
 TR09-05

JOSEPH CLARKE - PROSPECTOR  
 BOX 2012, MARSH LAKE, YUKON  
 867-660-4702  
 bushratminer@hotmail.com



ANNE 1-8 CLAIMS  
 NTS-105 D08  
 MARSH LAKE, YUKON  
 JAN 10, 2010

FIG 9  
 MAIN TRENCH  
 TRO9-06, 07

JOSEPH CLARKE - PROSPECTOR  
 BOX 2012, MARSH LAKE, YUKON  
 867-660-4702  
 bushratminer@hotmail.com

APPENDIX II – ASSAY DATA

ASSAY DATA

TRENCH LOCAT ON DATA															
YMIP 2009 - Joseph Clarke Marsh Lake, Yukon															
Trench Name	Length	Width	Area m2	Volume			Samp e Chip	Grab	Tota	NAD 83 / WGS84			NAD27		
				Depth	Cu	M				Northing	Easting	E ev (m)	Northing	Easting	E ev (m)
TR09 01	5	3	15	2	30	39	4	4		539,527	6,705,768	827	539,646	6,705,583	827
TR09 02	6	3	18	1	18	24	5	5		539,537	6,705,758	821	539,655	6,705,573	822
TR09 03	5	3	15	1.5	23	29	4	4		539,569	6,705,716	821	539,688	6,705,532	821
TR09 04	4	2	8	1	8	10	2	2		539,566	6,705,533	808	539,685	6,705,349	808
TR09 05	19	2	38	2	76	99	8	14		539,681	6,705,565	826	539,799	6,705,380	826
TR09 06	12	4	48	3	144	188	19	22		539,681	6,705,565	824	539,799	6,705,380	824
TR09 07	10	2	20	2	40	52	3	3		539,681	6,705,565	817	539,799	6,705,380	817
TR09 08	5	2	10	1	10	13				539,643	6,705,520	814	539,762	6,705,336	814
TR09 09	5	2	10	1.5	15	20				539,705	6,705,500	804	539,718	6,705,310	804
TR09 10	5	2	10	1.5	15	20				539,695	6,705,487	820	539,814	6,705,302	820
TR09 11	8	2	16	1	16	21	3	3		539,962	6,705,474	836	540,080	6,705,289	836
					394.5	516.0			57						

\*\*Not included are two grab samples from amorphophyes on ridge

20-Nov-26

Stewart Group  
ECO TECH LABORATORY LTD.  
10041 Dallas Drive  
KAMLOOBS, B.C.  
V2C 6T4

Phone: 250-878-8700  
Fax: 250-873-8857

ICP CERTIFICATE OF ANALYSIS AW 2005-8169

Joe Clarke  
Box 2012  
Marsh Lake, YT  
Y0B 1Y2

No. of samples received: 59  
Sample Type: Rock  
Project: Arnie  
Submitted by: Joe Clarke

Values in ppm unless otherwise reported

El.	Tag #	Prob	As	Al	Ar	Ba	Bi	Cs	Cd	Ce	Co	Cr	Cu	Fe	Ga	Ge	Hf	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Sr	Se	Sn	Sr	Ta	Tb	Ti	Tl	U	V	W	Zn	Zr						
1	28413	25	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
2	28413	25	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
3	28413	25	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
4	28413	25	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
5	28413	25	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
6	28413	25	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
7	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
8	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
9	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
10	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
11	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
12	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
13	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
14	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
15	28417	10	<0.1	5.44	154.0	603.0	0.39	6.43	0.10	4.59	45.8	600.5	1.99	44.9	5.95	8.1	3.1	0.30	15	0.93	2.0	18.6	10.14	1399	1.91	0.392	1.68	553.9	117	0.25	33.1	0.009	0.04	50.34	27.2	0.3	0.5	243.0	0.15	0.05	0.6	0.71	0.54	0.3	142	1.8	65.0	11.47	
16	28427	<5	0.1	6.92	4.9	476.0	0.14	8.69	0.10	6.69	0.15	10.69	43.1	304.0	2.39	66.9	7.61	17.1	4.9	1.66	15	1.73	4.0	4.3	5.65	1107	0.52	3.224	2510	2934	4.12	17.9	0.004	0.10	1.14	21.4	1.1	1.8	528.0	1.55	0.10	0.3	0.870	0.59	0.2	282	0.6	69.5	66.26
17	28428	<5	0.1	6.49	14.2	299.5	0.12	8.59	0.12	78.81	48.3	397.5	1.22	62.6	8.01	21.2	6.0	2.52	10	0.86	33.0	35.7	0	1.169	0.68	2.942	25.96	227.1	2342	4.37	26.9	0.003	0.08	4.62	18.9	0.3	0.4	478.0	0.05	0.10	0.1	0.278	0.24	<0.1	108	0.7	36.1	14.64	
18	28429	<5	0.1	6.26	46.1	761.0	0.12	8.53	0.48	32.06	39.6	327.0	1.52	61.5	9.94	20.7	1.51	4.8	1.68	10	1.50	14.0	13.9	4.39	1162	2.10	1534	12.94	172.6	1179	5.01	51.1	0.004	0.09	20.24	29.0	1.0	1.1	478.5	0.80	0.22	1.3	0.894	0.20	1.5	236	0.8	93.0	59.95
19	28430	<5	0.1	6.09	13.1	434.5	0.10	9.52	0.18	65.42	49.7	386.5	1.58	65.6	7.50	19.5	6.0	2.54	20	1.43	28.0	20.9	5.98	1141	0.92	1.722	23.68	241.0	3048	3.98	51.1	0.005	0.12	2.60	22.0	1.2	1.8	571.5	1.55	0.12	1.7	1.821	0.26	0.4	238	0.9	106.9	79.62	
20	28431	<5	0.1	7.02	87.9	868.5	0.42	5.77	0.05	72.96	24.4	468.0	3.18	124.0	4.65	21.8	4.4	1.52	5	2.23	30.0	22.4	2.32	2120	8.66	1.962	6.80	119.7	351	20.98	86.4	0.007	0.06	15.68	17.4	0.7	2.3	434.5	0.80	0.30	7.0	0.319	0.60	1.3	94	0.8	139.0	56.14	
21	28432	<5	0.1	8.66	62.9	700.0	0.09	3.48	0.15	10.69	43.1	304.0	2.39	66.9	7.61	17.1	4.9	1.66	15	1.73	4.0	4.3	5.65	1107	0.52	3.224	2510	2934	4.12	17.9	0.004	0.10	1.14	21.4	1.1	1.8	528.0	1.55	0.10	0.3	0.870	0.59	0.2	282	0.6	69.5	66.26		
22	28433	10	<0.1	3.94	25.5	1812.0	0.06	5.50	0.68	6.10	12.1	338.8	0.46	14.7	3.93	6.0	2.3	0.44	10	1.34	2.6	12.5	3.32	1333	4.45	0.718	1.14	55.9	7.1	2.64	33.5	0.004	0.02	4.46	18.9	0.3	0.4	478.0	0.05	0.10	0.1	0.278	0.24	<0.1	108	0.7	36.1	14.64	
23	28434	25	<0.1	2.64	116.7	369.0	0.08	>10	0.32	11.99	26.7	738.0	0.64	26.6	4.65	6.6	2.6	0.58	5	6.60	5.5	14.9	6.53	1361	0.97	0.668	8.92	266.6	9.1	3.94	23.5	0.009	0.04	9.39	14.9	0.3	0.5	691.5	0.25	0.14	0.6	0.233	0.19	0.3	104	0.4	43.0	19.84	
24	28435	5	0.1	4.93	43.5	397.0	0.12	4.48	0.11	16.62	31.9	665.0	1.26	67.8	5.53	11.7	3.9	1.00	15	0.65	7.0	20.3	4.68	1329	3.37	1.073	8.72	286.2	427	4.38	22.0	0.003	0.06	15.20	20.3	0.7	0.7	312.5	0.38	0.10	1.6	0.364	0.22	0.4	164	0.5	86.0	34.96	
25	28436	10	<0.1	6.89	196.9	739.5	0.05	8.66	0.19	107.10	56.0	409.5	1.74	67.0	9.01	23.9	6.4	2.26	15	1.80	47.5	5.6	4.61	1232	2.36	0.938	49.26	284.0	2608	4.91	64.5	0.006	0.10	73.18	22.2	1.6	2.0	532.5	3.16	0.12	3.3	1.996	0.50	0.8	298	1.4	129.3	62.71	
26	28437	25	<0.1	6.19	13.6	80.5	0.04	8.27	0.06	1.83	3.2	185.0	0.08	4.2	2.07	0.8	1.2	0.14	<5	0.09	1.0	13.1	3.62	656	3.46	0.050	0.40	17.0	1779	4.16	2.8	0.007	0.04	5.22	1.5	0.3	0.2	568.5	<0.05	0.08	<0.1	0.014	0.04	0.7	44	0.4	25.4	6.62	
27	28438	106	0.1	5.64	209.8	602.5	0.06	8.78	0.18	67.05	44.5	355.0	2.10	52.5																																			

El	Th	U	Pb	Bi	Ca	Sc	Ca	Co	Cr	Ca	Cu	Fe	Ga	Ge	Ni	Hg	K	La	Li	Mg	Mn	Mo	Nb	Ni	W	P	Pb	Rb	Se	Sn	Sr	Ta	Tb	Ti	Tl	U	V	W	Zn	Zr								
41	50002	240	1.2	8.91	82.4	854.5	0.24	2.03	0.59	31.16	14.3	3.24	33.9	3.29	16.6	2.8	1.96	125	1.80	14.5	8.6	0.78	208	56.60	0.310	9.76	72.1	653	22.74	62.9	0.004	0.08	25.29	11.7	2.2	2.0	1433	0.95	0.10	6.2	0.422	0.86	35	304	1.5	111.3	68.6	
42	50003	76	0.3	3.62	40.5	530.0	0.14	4.53	2.64	33.16	10.2	205.0	1.92	30.3	2.78	9.9	2.4	1.16	60	1.11	14.0	7.2	1.29	1291	17.53	0.254	6.54	46.1	1452	12.39	43.4	0.004	0.08	12.86	8.1	1.6	1.2	1780.0	0.85	0.12	4.5	0.271	0.42	2.5	172	1.1	117.7	42.9
43	50004	28	0.1	4.49	75.7	590.5	0.04	7.64	0.17	13.89	23.1	283.5	1.60	37.8	5.42	11.7	3.7	0.86	1.53	5.5	9.6	3.51	929	3.92	0.369	7.92	99.3	1782	4.39	55.9	0.001	0.04	6.56	20.1	0.6	0.8	680.0	0.85	0.10	0.3	0.571	0.42	0.5	172	0.5	69.4	31.9	
44	50005	5	0.1	5.92	86.7	985.5	0.04	6.77	0.13	16.56	38.8	484.0	2.94	58.9	7.85	14.9	5.1	1.34	10	1.89	6.0	6.8	6.02	1250	1.18	0.649	7.86	228.7	721	5.88	54.8	0.002	0.08	11.04	31.3	0.8	0.8	800.5	0.85	0.10	0.8	0.804	0.48	0.4	282	0.4	78.0	44.0
45	50006	9	<0.1	1.82	236.5	150.5	0.04	>10	0.11	7.37	83.7	1920.0	0.42	7.9	4.80	5.0	2.2	0.28	<5	0.41	3.5	12.7	7.11	721	2.63	0.121	1.92	860.1	56	3.18	17.3	0.003	0.08	42.14	10.4	0.3	0.3	671.5	0.10	0.10	0.6	0.125	0.12	0.4	80	0.3	56.4	10.21
46	50007	10	<0.1	0.48	228.7	595.5	<0.02	6.31	0.04	1.45	20.0	681.5	0.42	3.9	1.99	1.3	1.1	0.06	15	0.14	0.5	10.5	376	399	0.79	0.097	0.18	398.3	12	2.31	6.2	0.008	0.02	31.62	5.1	0.1	0.2	827.5	<0.05	0.06	0.1	0.015	0.04	<0.1	32	0.1	16.1	1.92
47	50008	15	0.1	5.70	117.1	616.5	0.04	9.39	0.14	8.07	38.8	311.5	2.34	102.9	7.22	13.4	4.5	0.90	10	1.59	1.5	6.0	4.09	1212	1.50	0.490	1.98	113.8	195	2.79	56.5	0.006	0.04	40.16	35.2	0.3	0.5	297.0	0.15	0.08	0.2	0.470	0.48	0.2	250	2.9	80.1	23.4
48	50009	15	0.1	1.15	886.2	106.0	0.04	7.88	0.11	8.07	42.2	785.8	0.62	10.6	37.8	3.1	2.1	0.54	10	0.44	3.5	5.2	11.2	243	3.21	0.243	1.50	782.8	45	4.12	18.2	0.003	0.04	43.68	6.3	0.3	0.4	594.5	0.10	0.12	1.3	0.085	0.12	0.6	52	0.3	33.5	19.7
49	50010	20	0.1	3.90	236.1	650.5	0.04	8.60	0.09	6.29	44.4	887.0	1.52	48.3	4.80	7.3	2.7	0.80	10	1.39	2.5	7.0	7.43	898	2.28	0.244	443.2	395	2.94	51.2	0.003	0.04	36.92	19.6	0.6	0.3	530.0	0.15	0.10	0.3	0.175	0.40	1.0	132	0.6	47.3	19.69	
50	50011	25	0.1	2.44	174.0	246.0	0.04	9.03	0.15	30.60	25.3	531.0	0.66	18.5	4.17	7.8	2.5	1.14	10	0.98	13.5	4.5	5.92	1568	1.17	0.223	13.20	231.3	1366	3.63	35.3	0.003	0.04	10.76	10.1	0.4	0.7	610.5	0.75	0.10	1.4	0.472	0.24	0.5	102	1.0	46.7	39.59
51	50012	5	<0.1	4.92	174.9	998.0	0.04	>10	0.25	2.96	34.4	825.0	1.72	40.3	5.28	7.5	3.6	0.60	10	1.44	1.5	5.4	6.09	1439	1.78	1.144	116	206.3	499	2.39	45.8	0.004	0.04	15.62	26.1	0.2	0.2	827.5	0.10	0.10	0.2	0.189	0.36	0.2	160	0.3	52.4	19.2
52	50013	<5	0.1	6.61	41.6	1480.0	0.06	8.16	0.23	4.73	48.7	825.5	1.80	59.5	5.24	9.3	3.9	0.80	15	1.78	2.0	7.2	4.85	1461	0.59	2.045	112	233.3	209	2.74	54.2	0.003	0.06	2.78	34.3	0.3	0.3	460.0	0.10	0.10	0.3	0.185	0.32	0.3	160	0.4	82.5	21.6
53	50014	<5	0.1	9.58	8.5	8378.0	0.06	2.14	0.08	25.11	49.7	487.5	7.82	67.8	8.03	17.3	6.2	2.78	15	2.87	10.5	14.3	3.13	2915	1.45	3.492	8.08	136.4	2211	7.28	119.4	0.004	0.08	52.3	46.7	0.6	1.2	300.0	0.85	0.18	1.8	0.912	1.50	1.1	190	0.7	173.3	90.1
54	50015	<5	0.1	1.47	4.3	493.5	0.14	>10	0.64	16.51	9.6	165.0	2.42	36.3	2.83	5.7	1.6	0.90	5	0.30	17.0	8.2	1.04	2628	4.83	0.416	4.74	73.1	1009	5.05	27.3	0.009	0.04	0.24	6.8	0.5	0.6	416.5	0.15	0.12	1.3	0.268	0.28	1.0	126	0.7	40.7	35.3
55	50016	<5	0.9	1.01	4.9	1162.0	0.10	<0.01	0.09	7.26	1.7	295.5	0.89	60.3	1.41	3.8	1.6	0.44	38	0.60	5.5	10.1	0.18	57	12.28	0.268	1.80	18.0	121	4.07	21.4	0.007	0.10	1.36	4.3	0.4	0.8	283.0	0.05	0.05	1.4	0.082	0.18	1.9	62	0.4	38.4	15.3
56	50017	5	1.1	1.96	6.7	2183.0	0.18	0.65	0.12	17.33	2.0	290.5	1.52	68.4	1.78	7.1	2.1	0.78	50	1.13	12.5	9.6	0.34	57	6.26	0.389	2.86	18.8	3319	7.19	37.6	0.012	0.08	1.34	8.0	4.8	0.9	355.0	0.10	0.12	3.7	0.110	0.30	3.6	78	0.5	49.9	27.0
57	50018	10	1.9	2.40	6.3	2381.0	0.30	0.08	0.05	21.18	1.8	217.5	3.44	102.1	2.08	13.5	2.3	1.36	40	1.69	14.5	8.4	0.57	34	10.81	0.683	4.46	15.3	294	10.64	96.1	0.004	0.12	1.90	10.2	6.1	1.5	133.0	0.20	0.10	5.2	0.208	0.32	2.6	136	0.9	36.8	47.2
58	50019	<5	0.1	4.04	2.6	1813.0	0.06	>10	0.13	50.31	46.3	525.5	0.42	19.1	7.63	12.4	5.0	4.36	15	1.98	22.0	7.0	7.41	1310	0.81	0.532	8.82	103.2	6728	11.90	48.1	0.008	0.04	0.08	46.9	0.7	2.6	668.5	0.40	0.19	16.3	0.680	0.26	7.4	262	0.4	64.2	143.1
59	50020	<5	0.2	6.96	3.2	8641.0	0.14	8.04	0.11	48.54	36.7	215.0	3.38	100.1	7.26	15.9	5.8	3.94	10	2.13	22.5	16.9	5.71	1059	0.78	1.126	5.66	46.3	4462	18.67	54.3	0.013	0.06	0.06	36.7	0.9	1.7	508.5	0.38	0.14	5.8	0.851	0.78	2.7	270	1.0	78.2	196.1
60	50021	5	0.2	4.33	7.9	7533.0	0.28	1.68	0.40	21.93	12.5	187.0	1.46	135.5	3.12	21.6	2.7	1.58	75	1.61	10.0	4.7	0.87	429	2.73	3.312	8.00	61.7	229	8.88	33.2	0.005	0.06	2.22	12.6	1.0	2.4	167.5	0.45	0.18	6.0	0.305	0.36	0.4	166	1.2	121.2	53.5
61	50022	40	0.1	3.91	35.0	382.0	0.10	3.15	0.03	0.94	68.0	1393.0	1.32	12.1	51.0	5.8	4.2	0.48	15	0.74	<0.5	35.1	18.38	896	0.41	0.633	0.22	1393.0	37	1.76	19.6	0.005	0.04	41.76	10.2	1.0	0.3	666.5	0.10	0.08	0.5	0.124	0.12	0.4	78	0.3	85.7	9.21
62	50023	115	0.1	5.90	13.0	427.5	0.06	9.36	0.18	69.55	47.9	382.0	1.52	63.4	7.36	18.9	4.9	2.54	20	1.37	27.0	19.7	5.82	1066	0.92	1.818	22.84	228.5	292.7	4.10	48.7	0.009	0.12	2.48	20.9	1.2	1.7	585.5	1.80	0.18	1.6	1.899	0.24	0.4	228	0.6	103.9	81.4
63	50024	5	0.2	4.33	7.9	7533.0	0.28	1.68	0.40	21.93	12.5	187.0	1.46	135.5	3.12	21.6	2.7	1.58	75	1.61	10.0	4.7	0.87	429	2.73	3.312	8.00	61.7	229	8.88	33.2	0.005	0.06	2.22	12.6	1.0	2.4	167.5	0.45	0.18	6.0	0.305	0.36	0.4	166	1.2	121.2	53.5
64	50025	40	0.1	3.91	35.0	382.0	0.10	3.15	0.03	0.94	68.0	1393.0	1.32	12.1	51.0	5.8	4.2	0.48	15	0.74	<0.5	35.1	18.38	896	0.41	0.633	0.22	1393.0	37	1.76	19.6	0.005	0.04	41.76	10.2	1.0	0.3	666.5	0.10	0.08	<0.1	0.017	0.10	<0.1	64	0.4	40.5	16.4
65	50026	10	<0.1	1.77	723.8	146.5	0.04	>10	0.12	7.45	52.8	1822.0	0.44	8.1	4.77																																	

APPENDIX III – PHOTOS

PHOTOS



TR09-05



TR09-06 - SEP QV



TR09-05 SEP/KNOCHER BX/QV



TR09-05



TR09-05 BRECCIA



TR09-05



TR09-05 "DRYSHEAR" AT TOP



TR09-05



T209-05 BRECCIA



T209-05 BRECCIA



T209-05



T209-05 QV



TR09-05 LOOKING NW



TR09-05 LOOKING SE TO TR09-06



TR09-05 LOOKING SE



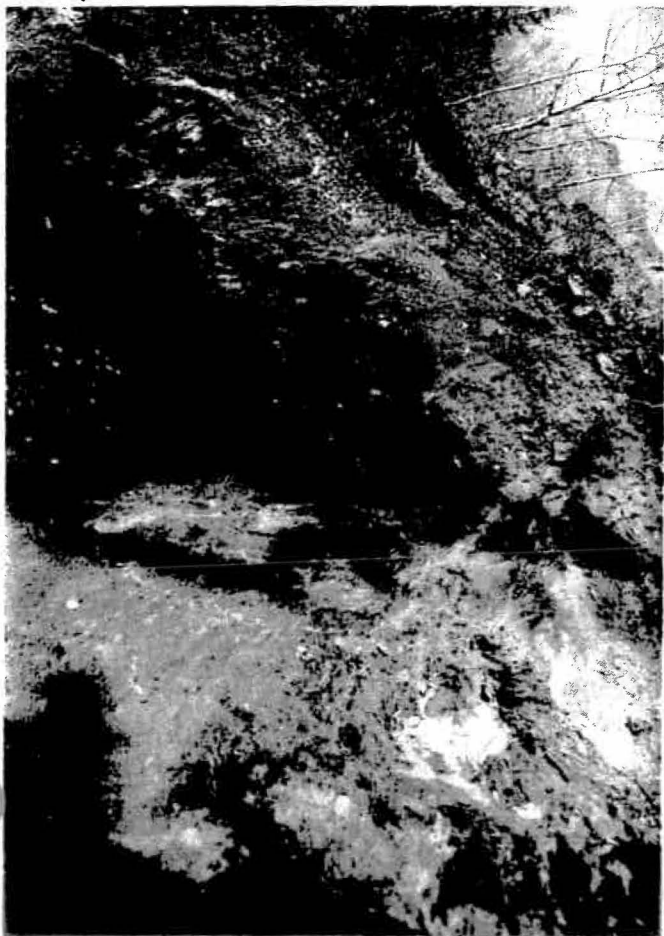
TR09-05



T209-05 BRECCIA



T209-05 QV



T209-06 "DRY SHEAR"



T209-06 LISTWANITE



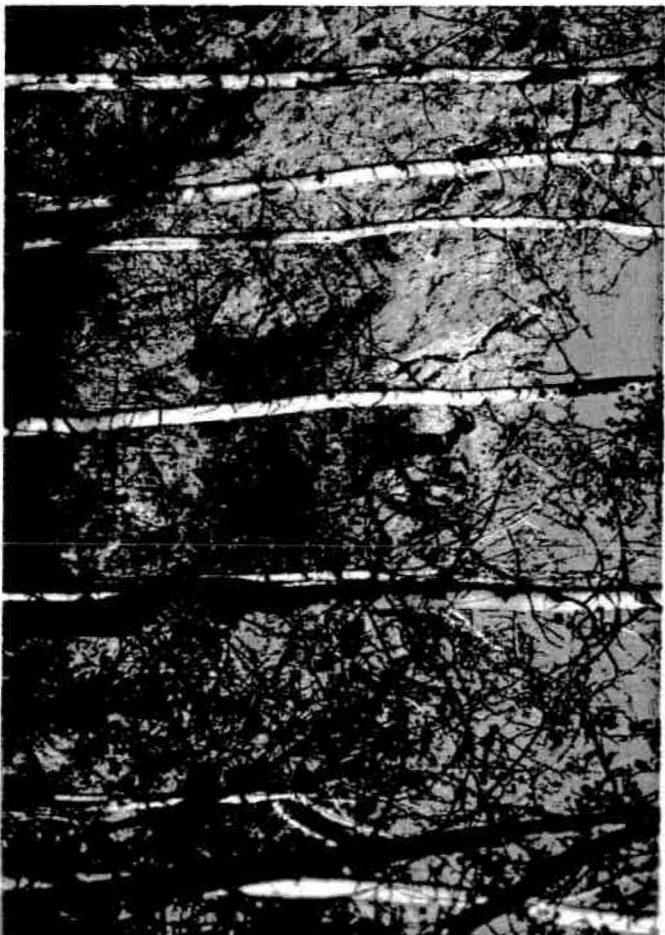
T209-03 TALC ALTERATION RIGHT



LISTWANITE / TALC ALTERATION T209-03



T209-03



RIDGE @ T209-03



LISTWANITE - T209-02



LISTWANITE T204-02



T209-02



T209-02



T209-01



T209-01



T209-01 LISTWANITE



T209-01 LISTWANITE

APPENDIX IV – STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Joseph A. J. Clarke, of Marsh Lake Yukon Territory with mailing address of Box 2012, Marsh Lake, Yukon hereby certify:

That I have graduated from the Haileybury School of Mines in 1985 with a diploma in Mining Engineering Technology;

That I have been engaged in prospecting in the Yukon on a full time basis since May of 1993 and have been engaged in prospecting and in the mineral industry for 25 years elsewhere in Canada;

That I have a commitment to prospect in a gentlemanly manner with respect for others who use the land and for the land itself.

Signed at Marsh Lake, Yukon Territory on the 15 day of April, 2010.



Joseph A. J. Clarke

## APPENDIX V – REFERENCES

### REFERENCES

Thanks are in order for the many productive geological discussions with Al Doherty, Mike Power, Farrell Andersen, Jim McFaul, Mike Wark, Bill Mann, the staff of the Yukon Geological Survey. Equally important is the advice, tips and incentive provided by many professional Yukon prospectors.

Assessment Report 092965

by Gary Reynolds, Yukon (1991)

The Liswanite-Lode Gold Association of British Columbia

Ash and Arksey

Geological Fieldwork 1989, paper 1990-1

Airborne EM and MAG Survey - Jakes Corner Project

DIAND Open File 1994 - 10 (G)

by Dighem I Power

Geology of the Jakes Corner Geophysical Survey Area, Southern Yukon

By J.A. Hunt, C.J.R. Hart and S.P. Gordey

Open File 1995-5(G) INAC, Yukon

Notes to Prospectors - Jakes Corner

Dighem Survey Interpretation

DIAND Open File 1995 - 12 (G)

by M.A. Power Msc, Amerok Geophysics

Origin and tectonic setting of ophiolitic ultramafic and related rocks in the Atlin Area

BCGS Bulletin 94

By C. H. Ash (1994)

APPENDIX VI – BUDGET

BUDGET

YMIP 2009 - JOE CLARKE #09-108												
Date	To	People	Days	Rate	Truck	Rate	Quad	Rate	Excavator	Rate/Day*	Trailer	Rate
From				\$350/day		\$23.75/day		\$37.50	Days	\$ 300.00		\$15/day
<b>TRENCHING</b>												
20/06/09	21/06/09	Clarke	2	\$ 600.00	2	\$ 23.75			2	\$ 600.00	1	\$ 15.00
27/06/09	28/06/09	Clarke	2	\$ 600.00	2	\$ 23.75			2	\$ 600.00	1	\$ 15.00
17/07/09	18/07/09	Clarke	2	\$ 600.00	2	\$ 23.75			2	\$ 600.00	1	\$ 15.00
16/08/09	16/08/09	Clarke	1	\$ 300.00	1	\$ 23.75			1	\$ 300.00	1	\$ 15.00
10/09/09	13/09/09	Clarke	4	\$ 1,200.00	1	\$ 23.75			4	\$ 1,200.00	1	\$ 15.00
<b>TRENCH SAMPLING</b>												
Oct 1/2009		Clarke	1	\$ 300.00								
Oct 2/2009		Clarke	1	\$ 300.00								
Oct 28/2009		Clarke	1	\$ 300.00								
Oct 29/2009		Clarke	1	\$ 300.00								
Nov 1/2009		Clarke	1	\$ 300.00								
			16	\$ 4,800.00		\$ 118.75		\$ 187.50		\$ 3,300.00		\$ 75.00
<b>ASSAY COSTS - ECOTECH</b>												
ECOTECH Laboratory Invoice 9000010 27/11/2009 Ref - 11 (BRC-11C, BAUFG-12, BMS-13)												
58 Rock Samples												
										Total	GST	
										\$ 2,259.70	\$ 112.99	\$ 2,372.69
<b>Total Project Cost</b>												
\$ 10,853.94												
<b>YMIP Contribution</b>												
\$ 3,900.00												
<b>YMIP Advance</b>												
\$ 1,000.00												
<b>YMIP Portion</b>												
\$ 2,900.00												
<b>Prospector Portion</b>												
\$ 6,953.94												
*Excavator Rental Rate from MacPherson Rental - KX121-3 Day\$400/W\$1700/M\$4500												