

**ASSESSMENT REPORT**  
**ROCK AND SOIL GEOCHEMICAL SURVEYS**

**GOLDSTRIKE RESOURCES LTD.**

**1300-1111 West Georgia Street,**

**Vancouver, B.C., V6E 4M3**

on the

**ROSEBUD PROJECT, DAWSON MINING DISTRICT**

**MAPSHEETS NTS: 115 P 04 & 115O 01**

| <b>CLAIMS (48)</b> | <b>GRANT<br/>NUMBER</b> | <b>EXPIRY</b> | <b>REGISTERED<br/>OWNER</b> | <b>% OWNED</b> |
|--------------------|-------------------------|---------------|-----------------------------|----------------|
| RBS 1-32           | YD63741 to<br>YD63792   | 2012-06-30    | Terrence King               | 100            |
| RBS 41-48          | YD14291 to<br>YD14298   | 2012-06-30    | Terrence King               | 100            |
| RBS 49-50          | YD65549 to<br>YD65550   | 2012-06-30    | Terrence King               | 100            |
| RBS 51-56          | YD656811 to<br>YD65686  | 2012-06-30    | Terrence King               | 100            |

Latitude 63° 14' 00" N, Longitude 137° 59' 00" W  
(349,000 E, 7,015,000: NAD83 Zone 8N)

Data Collection by

**Druid Exploration Inc., Dawson City, YT**

Report by

Ronald F. Sheldrake, B.Sc.

EarthWorks Geophysical Consultants

White Rock, British Columbia

May 10, 2012

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## **ILLUSTRATIONS**

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**LIST OF MAPS PRESENTED IN THE TEXT OF THIS REPORT** - PDF versions of the maps are included on a DVD that comes with this report.

| MAP NUMBER | TITLE                           | Scale     |
|------------|---------------------------------|-----------|
| MAP 1      | ROSEBUD PROPERTY LOCATION MAP   | 1:800,000 |
| MAP 2      | ROSEBUD CLAIM LOCATION MAP      | 1:40,000  |
| MAP 3      | GSC REGIONAL GEOLOGICAL MAP     | 1:50,000  |
| MAP 4      | PROSPECTING AND STRUCTURE MAP   | 1:24,000  |
| MAP 5      | GEOCHEM SAMPLE ID NUMBERS MAP   | 1:20,000  |
| MAP 6      | GEOCHEM ROCK AND SOIL AU VALUES | 1:24,000  |

## **LIST OF FILES ON THE DVD INCLUDED WITH THIS REPORT**

| FILE DESCRIPTION                        | FILE FORMAT |
|-----------------------------------------|-------------|
| Soil Geochem Certificate - WHI 11001329 | PDF Format  |
| Rock Geochem Certificate - WHI 11001416 | PDF Format  |
| This report                             | PDF Format  |

## 1. INTRODUCTION

On August 29, 2011 geochemical and prospecting exploration work was undertaken for f Goldstrike Resources Ltd. on the RBS Claims. The work was undertaken by Druid Exploration Inc., Dawson City. The focus of the geochemistry program was to evaluate potential auriferous structures, and the geochemical nature of the property. A total of 148 samples were taken. The days worked on this project by the Druid Exploration Crew was 6 man days.

## 2. DISCLAIMER

The author has prepared this report based upon information believed to be accurate, but is not guaranteed. This report may contain sanguine statements. For example, a statement such as, “*the data suggest the potential for mineralization,*” is accepted as incomplete. It is taken for granted that the reader accepts this class of statement as an inherent element in an interpretation report, and therefore does not require a cautionary statement at every instance.

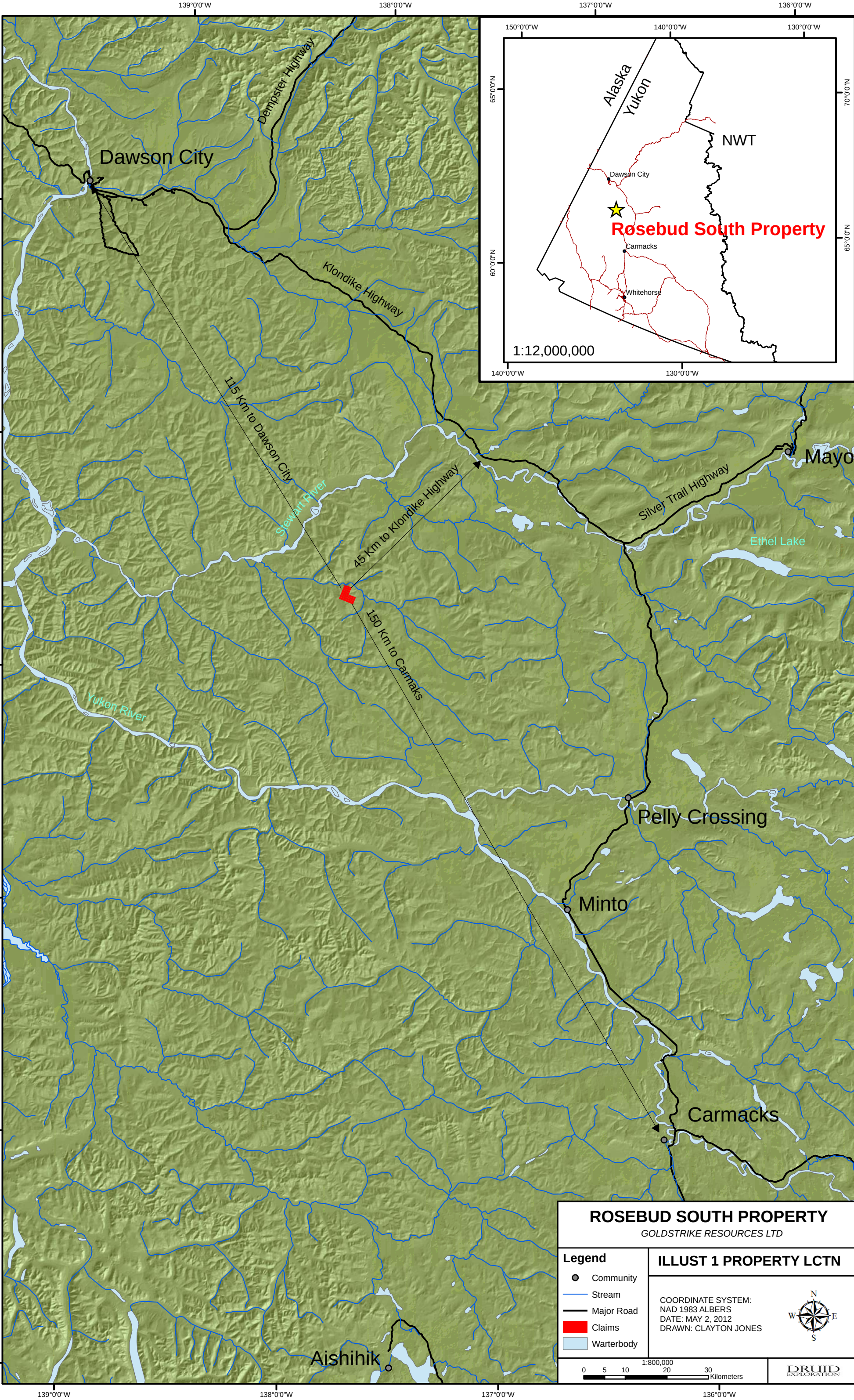
## 3. CLAIM LOCATION

As Illustration 1 indicates, the Rosebud Claims are located 45 km southwest of the Klondike Highway and 84 km NNE of Pelly Crossing. The claim block is located 23 km upstream from the confluence of Rosebud Creek and the Stewart River. Access from Stuart Crossing was by helicopter provided by Heli-Dynamics Ltd. of Whitehorse.

Illustration 1 below shows the location of the of the property. Illustration 2 below shows the location of the Claims.

The survey statistics for the August 29, 2011 exploration program are as follows:

| <u>Survey Type</u> | <u>Number of Samples</u> |
|--------------------|--------------------------|
| Rock Samples       | 3                        |
| Soil Samples       | 145                      |



**ROSEBUD SOUTH PROPERTY**  
GOLDSTRIKE RESOURCES LTD

**Legend**

- Community
- Stream
- Major Road
- Claims
- Waterbody

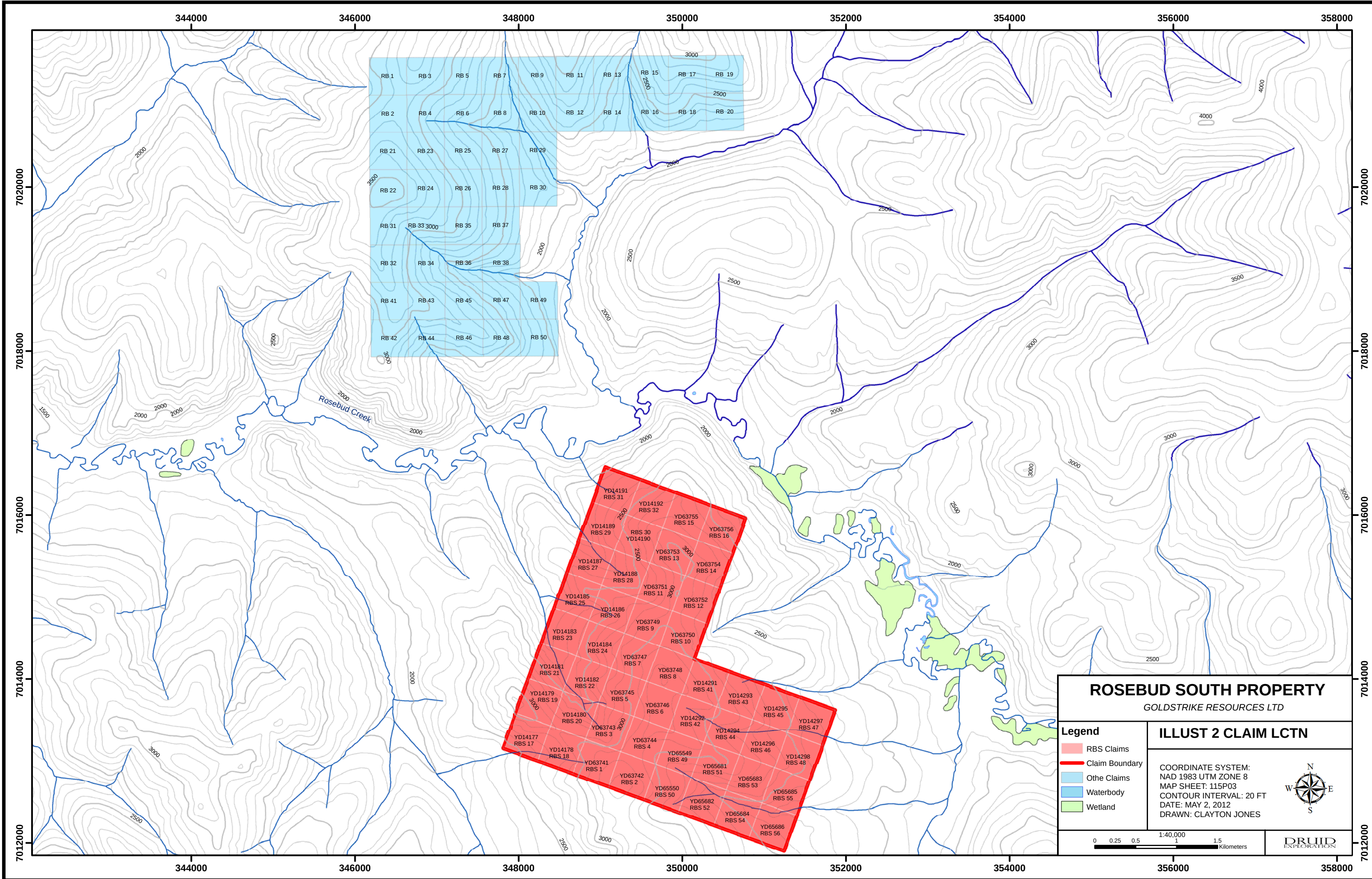
**ILLUST 1 PROPERTY LCTN**

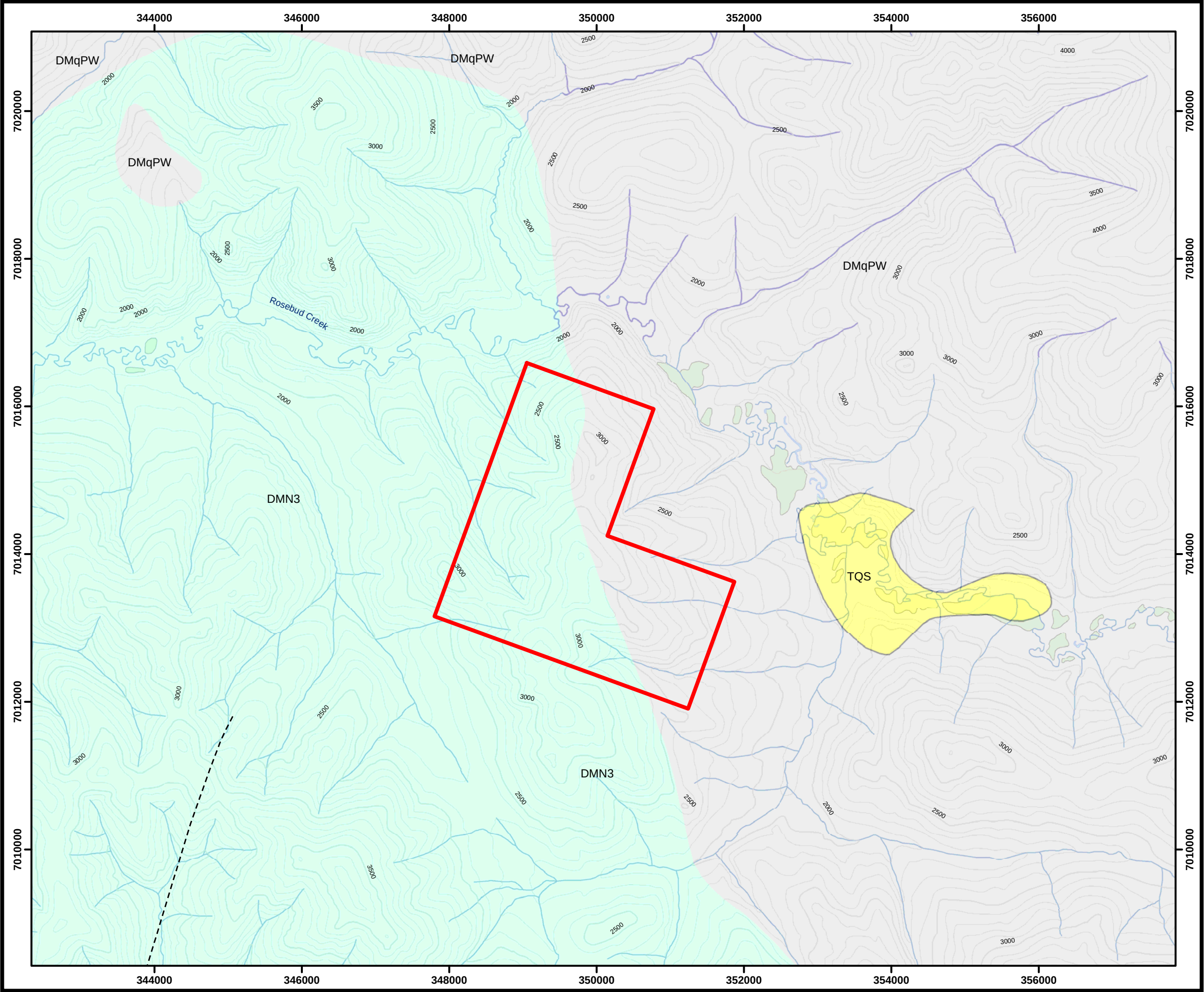
COORDINATE SYSTEM:  
NAD 1983 ALBERS  
DATE: MAY 2, 2012  
DRAWN: CLAYTON JONES



0 5 10 20 30  
Kilometers

DRUID  
EXPLORATION





### Bedrock Geology Legend

**TERTIARY AND QUATERNARY**

**TQS: SELKIRK**  
resistant, brown weathering, columnar jointed, vesicular to massive basalt flows; minor pillow basalt; basaltic tuff and breccia (**Selkirk Volcanics**)

**DEVONIAN, MISSISSIPPIAN**

**DMN: NASINA**  
graphitic quartzite and muscovite quartz-rich schist (1), (3)-(5), and with interspersed marble (2) and probable correlative successions

- dark grey to black, fine grained graphitic and non-graphitic quartzite, grey micaceous quartzite and quartz muscovite (+/-chlorite; +/- feldspar augen) schist, locally garnetiferous; minor graphitic stretched metaconglomerate and metagrit (**Nasina assem.**)
- marble (**Nasina assem.**)
- quartzite, micaceous quartzite, quartz muscovite (+/- chlorite; +/- feldspar augen) schist, and minor metaconglomerate and metagrit as in (1), but may locally include significant Nisling Assemblage
- quartzite, micaceous quartzite, quartz muscovite (+/- chlorite; +/- feldspar augen) schist, and minor metaconglomerate and metagrit as in (1), but may locally include significant Klondike Schist Assemblage
- black-weathering, massive, dark grey to black strongly graphitic quartzite with lesser grey micaceous quartzite and quartz mica schist; commonly shows alternating light and dark grey colour lamination (**Nasina quartzite**)

**LATE DEVONIAN TO MISSISSIPPIAN**

**DMPW: PELLY GNEISS SUITE - SOUTHWEST**  
variably deformed granitic rocks of predominantly felsic (q) to intermediate composition (g) southwest of Tintina Fault

q. foliated equigranular medium-grained muscovite quartz monzonite; moderately to strongly foliated K-feldspar augen-hearing quartz monzonitic to granitic gneiss (**S. Fiftymile Batholith, Mt. Burnham Orthogneiss,**)

g. foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite (**Selwyn Gneiss, Pelly Gneiss, N. Fiftymile Batholith, Moose Creek Orthogneiss**)

### ROSEBUD SOUTH PROPERTY

GOLDSTRIKE RESOURCES LTD

#### Legend

- Claim Boundary
- Fault
- Waterbody
- Wetland

#### ILLUST 3 REGIONAL GEOLOGY

COORDINATE SYSTEM:  
NAD 1983 UTM ZONE 8  
MAP SHEET: 115P03  
CONTOUR INTERVAL: 20 FT  
DATE: MAY 2, 2012  
DRAWN: CLAYTON JONES



00.40.81.62.4

Kilometers



## **4. GEOLOGY**

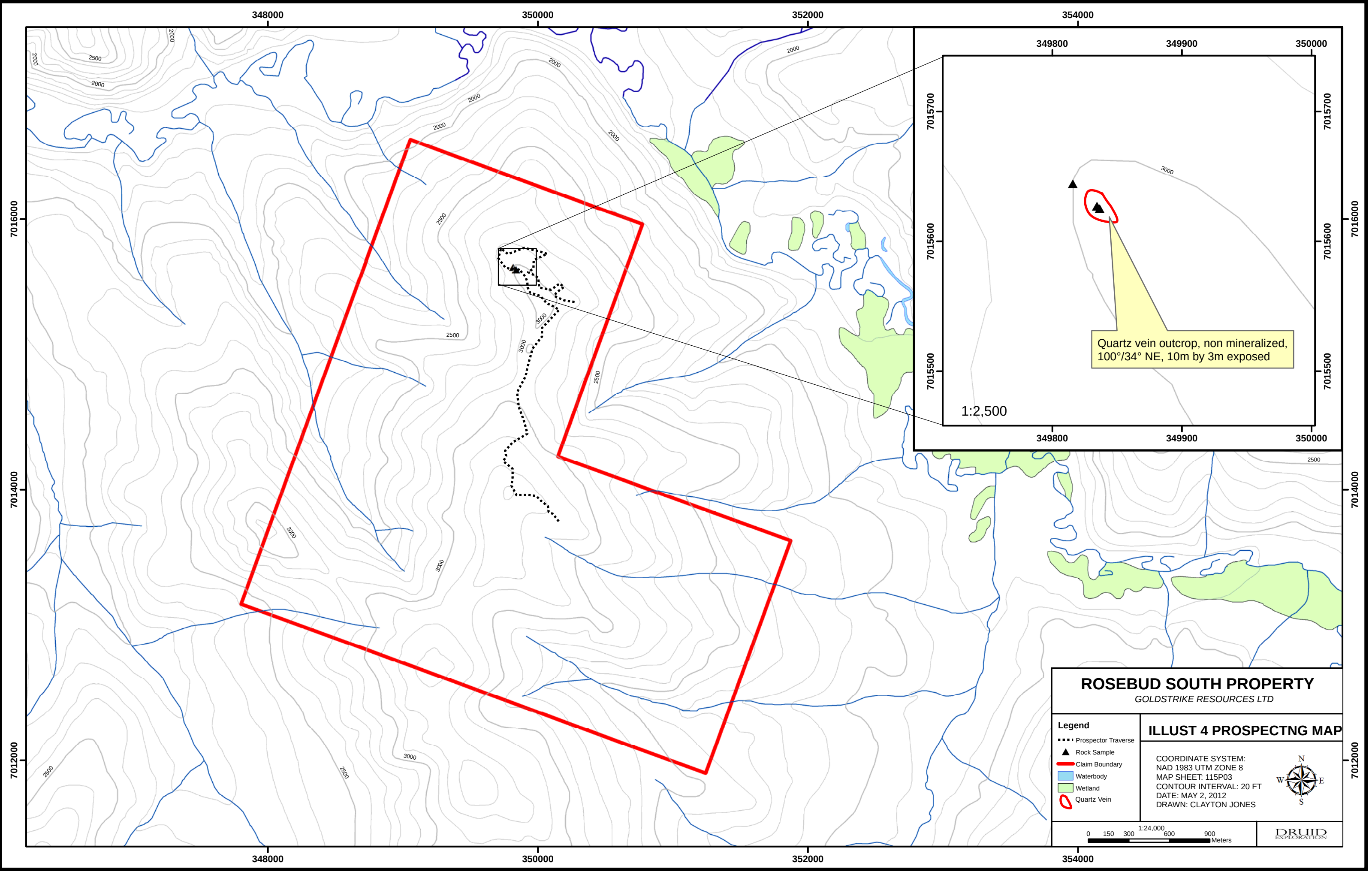
Illustration 4 above shows the GSC Regional Geology of the area and that the Rosebud Property is underlain by the contact of Devonian, Mississippian Nasina Unit (graphitic quartzite and muscovite quartz-rich schist) and the Late Devonian, Mississippian Pelly Gniessic Suite (variably deformed granitic rocks of predominantly felsic to intermediate composition.)

Field inspection indicates that the contact runs north-west across the ridge. The orthogenesis appears to be more intermediate than felsic in composition with increased biotite.

### ***4.1 Mineralization and Structure:***

A large non-mineralized quartz vein, approximately 4 m wide, is exposed along the ridge at the northwestern part of the property. (Illustration 4 below) The vein strikes the same direction as the regional foliation of the orthogneiss (100°/34° NE). The vein is only exposed for about 10 m on surface, however quartz float is more extensive. The vein consists of dead white sugary metamorphic quartz with no mineralization. The vein and wall rock were sampled as well as the surrounding soil.

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|                                                                                                                        |                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ROSEBUD SOUTH PROPERTY</b><br>GOLDSTRIKE RESOURCES LTD                                                              |                                                                                                                                                                              |
| <b>Legend</b><br>..... Prospector Traverse<br>▲ Rock Sample<br>— Claim Boundary<br>Waterbody<br>Wetland<br>Quartz Vein | <b>ILLUST 4 PROSPECTNG MAP</b><br><br>COORDINATE SYSTEM:<br>NAD 1983 UTM ZONE 8<br>MAP SHEET: 115P03<br>CONTOUR INTERVAL: 20 FT<br>DATE: MAY 2, 2012<br>DRAWN: CLAYTON JONES |
| 0 150 300 600 900 Meters                                                                                               |                                                                                                                                                                              |
| DRUID EXPLORATION                                                                                                      |                                                                                                                                                                              |

## **5. PREVIOUS WORK**

The Stewart River is a historic placer mining district. An expired placer prospecting lease extends along Rosebud Creek on the north boundary of the property. A placer prospecting lease that was in good standing in 2010 covers a 15 km reach of Rosebud Creek starting 4 km downstream of the RBS property.

The area has seen very little hard rock exploration since the late 1960s, when the discovery of the giant Casino copper-gold porphyry triggered a large staking rush. Gold was not a target at this time, and most assessment reports do not report gold assays.

## **6. 2011 FIELD WORK**

The exploration program was carried out by staff of Druid Exploration Inc. on August 29, 2011 and included the following crew: Geologist: Clayton Jones. Geochem Samplers: Dustin Blampin, Brad Osmond, Ryan West, Gabriel Genois. The helicopter pilot was Mike Dorsey.

The total days worked on this project by the Druid Exploration Crew was 6 man days.

## **7. GEOCHEMICAL SURVEYS**

The managing geologist took both soil and rock samples while samplers focused principally on taking soil samples. However, the samplers took rock samples if sulphide mineralization was locally present.

Soil sampling was the principal geochemical method (145 samples) used on the Rosebud claims, however 3 rock samples were also collected. A complete record of the geochemical sampling data-sets is provided in the Acme Labs Geochem PDF Certificates that are included as Appendices in this report, as well as provided digitally on the DVD included with this report.

### **7.1 *Rock Sampling***

Selected rock samples (3) were taken based on lithology, mineralogy, and structure. A

representative sample was taken for all major units/structures despite mineralogy. Sample locations were marked on the GPS and labeled with the lab tag number used. Sample locations were marked with labeled flagging tape. The sample locations (coordinates) were downloaded into the computer and stored in a database with all corresponding notes. Rock samples were photographed and their description recorded in a database.

Rock and Silt locations are plotted with Au (PPB) values on the maps below.

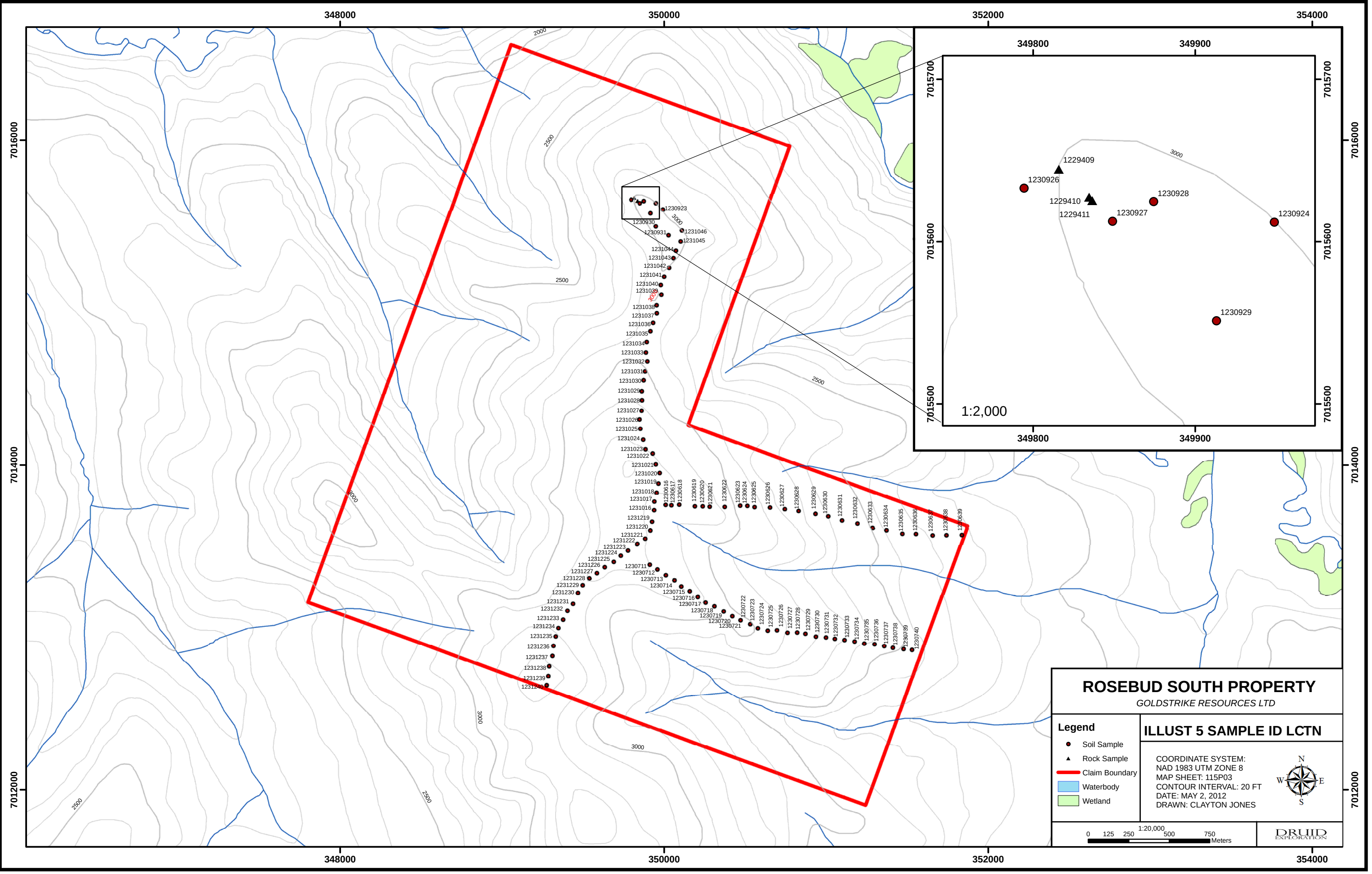
## **7.2      *Soil Sampling***

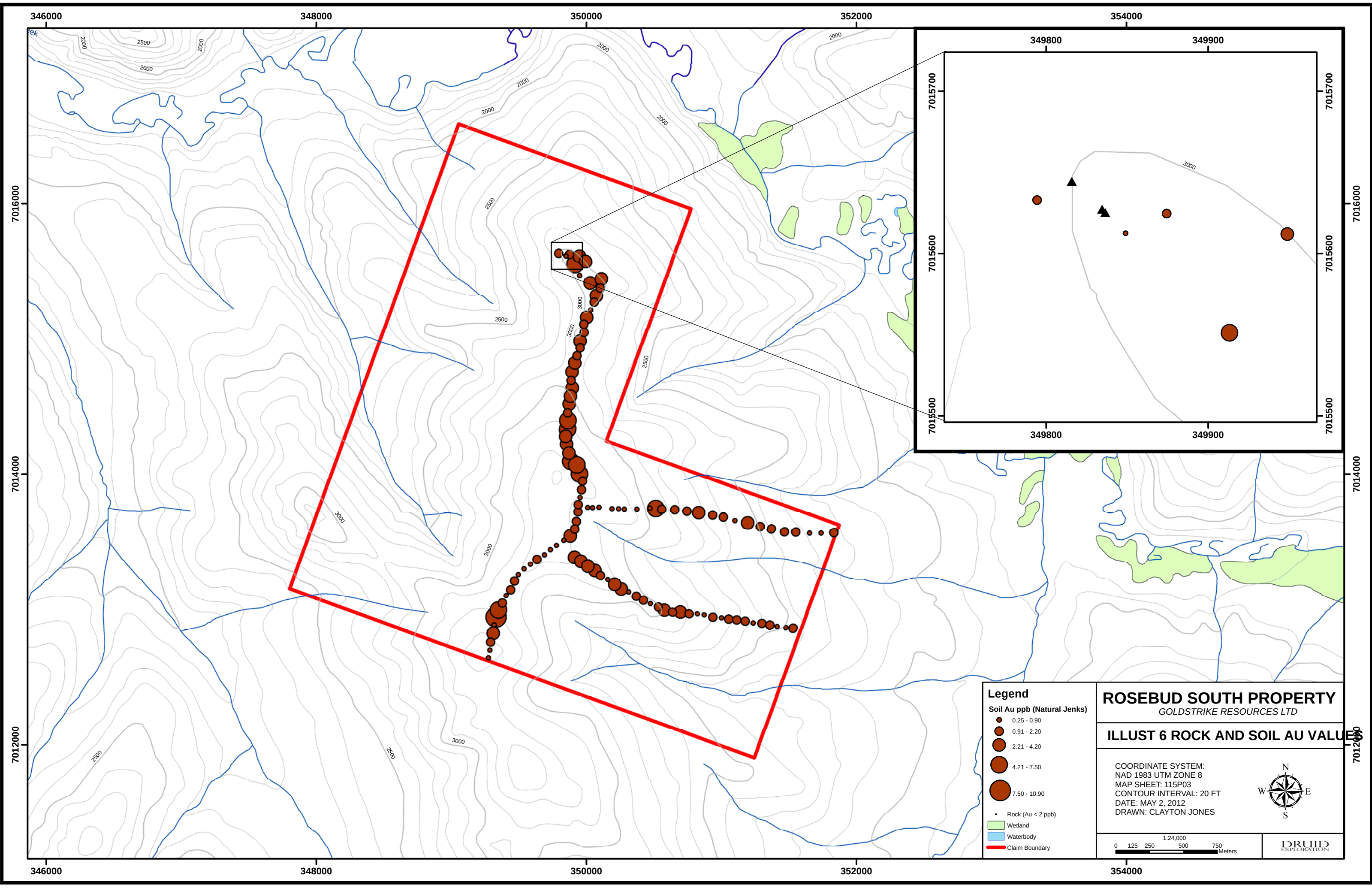
All soil sample locations (145) were derived using Arc GIS 10.0 and sample locations (waypoints) were programed into handheld GPS's. The sampler would navigate to points and take samples. The samplers took deep soil samples with Dutch augers, targeting the C horizon. The location of the sample was recorded on the GPS and later imported to Arc GIS to be mapped. Detailed sample notes were taken at each site (depth, soil type, vegetation etc.) as well as a picture of each hole. Acme water proof sample tags were used. The sample location was flagged with the corresponding acme tag number written on the flagging tap. Sample locations (coordinates) were downloaded into the computer and stored in a database with all corresponding notes.

Soil sample locations primarily followed the ridges and spur that drained anomalous gold in the regional silt samples taken previously. Spacing ranged from 50 to 100 meters. Very little solid outcrop was seen, however float/sub crop is seen along the ridge. Soil samples contained sparkling mica for the majority of the samples. The large quartz vein noted during staking was followed up and sampled (rock and soils).

## **8    GEOCHEMICAL DATA MAPS**

Illustration 5 below shows the Geochem Sample ID Location Map, while Illustration 6 below, shows the Geochem Rock and Soil Au values.

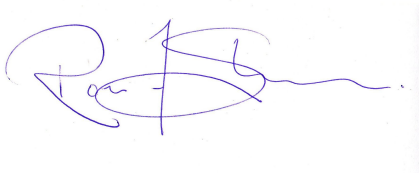




## **9. Summary**

The geochemical results for the program were negative. All 145 soil and 3 rock samples contained gold values of background concentrations, or less. The large quartz vein discovered during staking was not mineralized. No further work is recommended for this property. <sup>(1)</sup>

Respectfully submitted,



Ronald F. Sheldrake, B.Sc. (Geophysics)

EarthWorks Geophysical Consultants

***Bibliography***

1) Jones, Clayton J., BSc. **“Geological and Geochemical Work on the Rosebud Property” (Preliminary)**, September 2011.

2) Goldstrike Ltd. Website - regarding historical work done in the Rosebud area.

**APPENDIX 1 – STATEMENT OF COSTS – ROSEBUD PROPERTY**

| EXPLORATION COSTS – RBS CLAIMS |             | RBS 48 CLAIMS (units) |              |
|--------------------------------|-------------|-----------------------|--------------|
| Work done AUG-29th- 2011       |             |                       |              |
| ITEM                           | COST/ UNIT  | UNIT<br>AMOUNT        | TOTAL        |
| LONG RANGER (HELI DYNAMICS)    | \$ 1,200.00 | 3.3                   | \$ 3,960.00  |
| FUEL DELIVERED (Drums x Jet A) | \$ 391.20   | 4                     | \$ 1,564.80  |
| ROCK ASSAY                     | \$ 28.88    | 3                     | \$ 86.64     |
| SOIL ASSAY                     | \$ 18.00    | 145                   | \$ 2,610.00  |
| TRUCK RENTAL \$ 125/day        | \$ 125.00   | 1                     | \$ 125.00    |
| GEOLOGIST ( Clayton Jones)     | \$ 450.00   | 2                     | \$ 900.00    |
| SOIL SAMPLERS X 4              | \$ 350.00   | 4                     | \$ 1,400.00  |
| MAP GENERATION -Dawson         | \$ 1,000.00 | 1                     | \$ 1,000.00  |
| REPORT PREPARATION             | \$ 3,000.00 | 1                     | \$ 3,000.00  |
|                                |             | TOTAL                 | \$ 14,646.44 |

**Rosebud South Property**

**Goldstrike Resources LTD.**

**2011 Rock Sample Descriptions**

| DATE       | SAMPLER NAME  | SAMPLE TYPE | SAMPLE ID | COORDINATES (UTM NAD83) |           |          | DESCRIPTION                                                                                                              |
|------------|---------------|-------------|-----------|-------------------------|-----------|----------|--------------------------------------------------------------------------------------------------------------------------|
|            |               |             |           | NORTHING                | EASTING   | UTM ZONE |                                                                                                                          |
| 29/08/2011 | Clayton Jones | outcrop     | 1229409   | 7015644.5               | 349815.82 | 08N      | white - brown glassy quartz vein in ortho gneiss, mica flakes in fractures from wall rock, non mineralized               |
| 29/08/2011 | Clayton Jones | outcrop     | 1229410   | 7015625.3               | 349836.45 | 08N      | orthogneiss/schist, dark brown/black, narrow (1mm) banding (some oxidized), biotite rich, wall rock of large quartz vein |
| 29/08/2011 | Clayton Jones | outcrop     | 1229411   | 7015627.4               | 349834.46 | 08N      | dead bull quartz, no mineralization, sugary white texture, organic staining along fractures and outer surface            |



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Appendix 3 Acme Geochem Certificate WHI 11001329

Client:

**Goldstrike Resources (Petro One Energy Corp)**

1300 - 111 West Georgia Street

Vancouver BC V6E 4M3 Canada

Submitted By: Email Distribution List

Receiving Lab: Canada-Whitehorse

Received: September 07, 2011

Report Date: September 19, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11001329.1

### CLIENT JOB INFORMATION

Project: Rosebud  
Shipment ID: RBS-2  
P.O. Number  
Number of Samples: 3

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Goldstrike Resources (Petro One Energy Corp)  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3  
Canada

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                  | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---------------------------------------------------|--------------|---------------|-----|
| R200-250    | 3                 | Crush, split and pulverize 250 g rock to 200 mesh |              |               | WHI |
| 3B          | 3                 | Fire assay fusion Au by ICP-ES                    | 30           | Completed     | VAN |
| 1DX         | 3                 | 1:1:1 Aqua Regia digestion ICP-MS analysis        | 0.5          | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

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**Client:** Goldstrike Resources (Petro One Energy Co)  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

**Project:** Rosebud  
**Report Date:** September 19, 2011

**Page:** 2 of 2 **Part** 1

## CERTIFICATE OF ANALYSIS

WHI11001329.1

|         | Method<br>Analyte<br>Unit<br>MDL | WGHT | 3B  | 1DX  | 1DX  | 1DX | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX |
|---------|----------------------------------|------|-----|------|------|-----|-----|------|------|------|-----|------|------|------|------|-----|------|------|------|-----|
|         |                                  | Wgt  | Au  | Mo   | Cu   | Pb  | Zn  | Ag   | Ni   | Co   | Mn  | Fe   | As   | Au   | Th   | Sr  | Cd   | Sb   | Bi   | V   |
|         |                                  | kg   | ppb | ppm  | ppm  | ppm | ppm | ppm  | ppm  | ppm  | ppm | %    | ppm  | ppb  | ppm  | ppm | ppm  | ppm  | ppm  | %   |
|         |                                  | 0.01 | 2   | 0.1  | 0.1  | 0.1 | 1   | 0.1  | 0.1  | 0.1  | 1   | 0.01 | 0.5  | 0.5  | 0.1  | 1   | 0.1  | 0.1  | 0.1  | 2   |
| 1229409 | Rock                             | 0.97 | <2  | 0.1  | 6.4  | 0.7 | 2   | <0.1 | 0.5  | 0.7  | 36  | 0.35 | 1.5  | <0.5 | 0.3  | 1   | <0.1 | 0.1  | <0.1 | <2  |
| 1229410 | Rock                             | 0.59 | <2  | 0.4  | 15.1 | 2.6 | 80  | <0.1 | 13.5 | 8.3  | 552 | 2.75 | <0.5 | <0.5 | 7.7  | 13  | 0.2  | <0.1 | <0.1 | 52  |
| 1229411 | Rock                             | 1.13 | <2  | <0.1 | 0.6  | 0.2 | <1  | <0.1 | 0.3  | <0.1 | 19  | 0.16 | <0.5 | <0.5 | <0.1 | 1   | <0.1 | <0.1 | <0.1 | <2  |



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Phone (604) 253-3158 Fax (604) 253-1716

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**Project:** Rosebud  
**Report Date:** September 19, 2011

**Page:** 2 of 2 **Part** 2

## CERTIFICATE OF ANALYSIS

WHI11001329.1

|         | Method<br>Analyte<br>Unit<br>MDL | 1DX    | 1DX | 1DX | 1DX   | 1DX  | 1DX    | 1DX | 1DX   | 1DX   | 1DX   | 1DX  | 1DX   | 1DX  | 1DX   | 1DX  | 1DX  | 1DX |
|---------|----------------------------------|--------|-----|-----|-------|------|--------|-----|-------|-------|-------|------|-------|------|-------|------|------|-----|
|         |                                  | P      | La  | Cr  | Mg    | Ba   | Ti     | B   | Al    | Na    | K     | W    | Hg    | Tl   | S     | Sc   | Se   | Ga  |
|         |                                  | %      | ppm | ppm | %     | ppm  | %      | ppm | %     | %     | %     | ppm  | ppm   | ppm  | %     | ppm  | ppm  | ppm |
|         |                                  | 0.001  | 1   | 1   | 0.01  | 1    | 0.001  | 20  | 0.01  | 0.001 | 0.01  | 0.1  | 0.01  | 0.1  | 0.05  | 0.1  | 0.5  | 1   |
| 1229409 | Rock                             | 0.002  | <1  | 1   | <0.01 | 24   | <0.001 | <20 | 0.02  | 0.003 | <0.01 | <0.1 | <0.01 | <0.1 | <0.05 | 0.1  | <0.5 | <1  |
| 1229410 | Rock                             | 0.083  | 29  | 36  | 1.04  | 1282 | 0.209  | <20 | 1.81  | 0.082 | 1.31  | 0.1  | <0.01 | 0.3  | <0.05 | 5.7  | <0.5 | 7   |
| 1229411 | Rock                             | <0.001 | <1  | <1  | <0.01 | 5    | <0.001 | <20 | <0.01 | 0.003 | <0.01 | <0.1 | <0.01 | <0.1 | <0.05 | <0.1 | <0.5 | <1  |



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Goldstrike Resources (Petro One Energy Co)

1300 - 111 West Georgia Street

Vancouver BC V6E 4M3 Canada

Project: Rosebud

Report Date: September 19, 2011

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

WHI11001329.1

|                        | Method<br>Analyte<br>Unit<br>MDL | WGHT | 3B   | 1DX   | 1DX   | 1DX   | 1DX | 1DX   | 1DX   | 1DX  | 1DX | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX    |      |
|------------------------|----------------------------------|------|------|-------|-------|-------|-----|-------|-------|------|-----|-------|------|------|------|------|------|------|------|------|--------|------|
|                        |                                  | Wgt  | Au   | Mo    | Cu    | Pb    | Zn  | Ag    | Ni    | Co   | Mn  | Fe    | As   | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca     |      |
|                        |                                  | kg   | ppb  | ppm   | ppm   | ppm   | ppm | ppm   | ppm   | ppm  | ppm | %     | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | %      |      |
|                        |                                  | 0.01 | 2    | 0.1   | 0.1   | 0.1   | 1   | 0.1   | 0.1   | 0.1  | 0.1 | 1     | 0.01 | 0.5  | 0.5  | 0.1  | 1    | 0.1  | 0.1  | 0.1  | 2      | 0.01 |
|                        |                                  |      |      |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| Reference Materials    |                                  |      |      |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| STD DS8                | Standard                         |      |      | 13.8  | 114.8 | 126.5 | 316 | 1.6   | 37.6  | 7.3  | 625 | 2.54  | 25.7 | 96.8 | 6.8  | 65   | 2.6  | 4.8  | 6.7  | 44   | 0.72   |      |
| STD OREAS45CA          | Standard                         |      |      | 0.8   | 519.7 | 21.6  | 63  | 0.2   | 246.7 | 89.2 | 922 | 15.53 | 4.1  | 38.1 | 7.3  | 17   | 0.1  | <0.1 | 0.2  | 197  | 0.42   |      |
| STD OXC88              | Standard                         |      | 205  |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| STD OXH82              | Standard                         |      | 1346 |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| STD DS8 Expected       |                                  |      |      | 13.44 | 110   | 123   | 312 | 1.69  | 38.1  | 7.5  | 615 | 2.46  | 26   | 107  | 6.89 | 67.7 | 2.38 | 4.8  | 6.67 | 41.1 | 0.7    |      |
| STD OREAS45CA Expected |                                  |      |      | 1     | 494   | 20    | 60  | 0.275 | 240   | 92   | 943 | 15.69 | 3.8  | 43   | 7    | 15   | 0.1  | 0.13 | 0.19 | 215  | 0.4265 |      |
| STD OXC88 Expected     |                                  |      | 203  |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| STD OXH82 Expected     |                                  |      | 1278 |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| BLK                    | Blank                            |      |      | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.1  | <0.1 | <1  | <0.01 | <0.5 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <2   | <0.01  |      |
| BLK                    | Blank                            |      | <2   |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| BLK                    | Blank                            |      | <2   |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| Prep Wash              |                                  |      |      |       |       |       |     |       |       |      |     |       |      |      |      |      |      |      |      |      |        |      |
| G1                     | Prep Blank                       |      | 2    | 0.1   | 2.2   | 3.7   | 50  | <0.1  | 2.5   | 4.1  | 590 | 1.99  | <0.5 | <0.5 | 6.4  | 69   | <0.1 | <0.1 | <0.1 | 38   | 0.49   |      |



Acme Analytical Laboratories (Vancouver) Ltd.  
1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

[www.acmelab.com](http://www.acmelab.com)

Client: **Goldstrike Resources (Petro One Energy Co**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: September 19, 2011

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

WHI11001329.1

| Method<br>Analyte<br>Unit<br>MDL | 1DX        | 1DX    | 1DX  | 1DX  | 1DX    | 1DX   | 1DX    | 1DX   | 1DX    | 1DX    | 1DX   | 1DX  | 1DX   | 1DX   | 1DX    | 1DX  | 1DX  | 1DX  |
|----------------------------------|------------|--------|------|------|--------|-------|--------|-------|--------|--------|-------|------|-------|-------|--------|------|------|------|
|                                  | P          | La     | Cr   | Mg   | Ba     | Ti    | B      | Al    | Na     | K      | W     | Hg   | Tl    | S     | Sc     | Se   | Ga   | Te   |
|                                  | %          | ppm    | ppm  | %    | ppm    | %     | ppm    | %     | %      | %      | ppm   | ppm  | ppm   | %     | ppm    | ppm  | ppm  | ppm  |
|                                  | 0.001      | 1      | 1    | 0.01 | 1      | 0.001 | 20     | 0.01  | 0.001  | 0.01   | 0.1   | 0.01 | 0.1   | 0.05  | 0.1    | 0.5  | 1    | 0.2  |
| Reference Materials              |            |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| STD DS8                          | Standard   | 0.092  | 15   | 117  | 0.62   | 301   | 0.124  | <20   | 0.96   | 0.102  | 0.43  | 2.6  | 0.19  | 5.3   | 0.18   | 2.4  | 5.2  | 5    |
| STD OREAS45CA                    | Standard   | 0.041  | 16   | 671  | 0.16   | 177   | 0.125  | <20   | 3.81   | 0.015  | 0.08  | <0.1 | 0.03  | <0.1  | <0.05  | 41.9 | 1.0  | <0.2 |
| STD OXC88                        | Standard   |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| STD OXH82                        | Standard   |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| STD DS8 Expected                 |            | 0.08   | 14.6 | 115  | 0.6045 | 279   | 0.113  | 2.6   | 0.93   | 0.0883 | 0.41  | 3    | 0.192 | 5.4   | 0.1679 | 2.3  | 5.23 | 4.7  |
| STD OREAS45CA Expected           |            | 0.0385 | 15.9 | 709  | 0.1358 | 164   | 0.128  | 3.592 | 0.0075 | 0.0717 |       | 0.03 | 0.07  | 0.021 | 39.7   | 0.5  | 18.4 |      |
| STD OXC88 Expected               |            |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| STD OXH82 Expected               |            |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| BLK                              | Blank      | <0.001 | <1   | <1   | <0.01  | <1    | <0.001 | <20   | <0.01  | <0.001 | <0.01 | <0.1 | <0.01 | <0.1  | <0.05  | <0.1 | <0.5 | <1   |
| BLK                              | Blank      |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| BLK                              | Blank      |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| Prep Wash                        |            |        |      |      |        |       |        |       |        |        |       |      |       |       |        |      |      |      |
| G1                               | Prep Blank | 0.091  | 14   | 5    | 0.50   | 195   | 0.141  | <20   | 1.00   | 0.121  | 0.51  | <0.1 | <0.01 | 0.3   | <0.05  | 2.3  | <0.5 | <0.2 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Goldstrike Resources (Petro One Energy Corp)  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Submitted By: Email Distribution List  
Receiving Lab: Canada-Whitehorse  
Received: September 07, 2011  
Report Date: November 14, 2011  
Page: 1 of 6

## CERTIFICATE OF ANALYSIS

WHI11001416.1

### CLIENT JOB INFORMATION

Project: Rosebud  
Shipment ID: RBS-1  
P.O. Number  
Number of Samples: 145

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Goldstrike Resources (Petro One Energy Corp)  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3  
Canada

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| Dry at 60C  | 145               | Dry at 60C                                 |              |               | WHI |
| SS80        | 145               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| RJSV        | 145               | Saving all or part of Soil Reject          |              |               | WHI |
| 1DX2        | 145               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

WHI11001416.1

|         |      | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |     |
|---------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|         |      |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     | La    |     |
|         |      |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     | ppm |
|         |      |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 | 1   |
| 1231219 | Soil | 0.3                              | 8.0   | 5.1   | 41    | <0.1  | 6.8   | 7.8   | 321   | 2.57  | 2.7   | 1.6   | 15.6  | 18    | <0.1  | 0.2   | 0.2   | 33    | 0.25  | 0.048 | 48    |       |     |
| 1231220 | Soil | 0.4                              | 10.5  | 4.7   | 43    | <0.1  | 7.6   | 7.4   | 304   | 2.66  | 2.8   | 1.1   | 17.9  | 15    | <0.1  | 0.2   | 0.2   | 35    | 0.24  | 0.058 | 43    |       |     |
| 1231221 | Soil | 0.7                              | 17.8  | 8.0   | 40    | <0.1  | 16.0  | 6.7   | 186   | 2.16  | 6.8   | 2.8   | 5.5   | 16    | <0.1  | 0.3   | 0.2   | 44    | 0.20  | 0.046 | 23    |       |     |
| 1231222 | Soil | 0.5                              | 16.7  | 6.9   | 67    | <0.1  | 11.3  | 7.2   | 350   | 2.66  | 4.0   | 0.9   | 14.0  | 18    | <0.1  | 0.2   | 0.2   | 33    | 0.24  | 0.050 | 35    |       |     |
| 1231223 | Soil | 0.9                              | 28.1  | 12.9  | 65    | <0.1  | 45.9  | 14.3  | 801   | 2.87  | 8.3   | <0.5  | 4.0   | 23    | 0.1   | 0.3   | 0.1   | 40    | 0.32  | 0.049 | 9     |       |     |
| 1231224 | Soil | 1.0                              | 61.6  | 3.6   | 85    | 0.1   | 29.6  | 11.9  | 348   | 3.09  | 5.6   | 0.6   | 2.8   | 13    | <0.1  | 0.2   | <0.1  | 76    | 0.26  | 0.038 | 12    |       |     |
| 1231225 | Soil | 0.3                              | 18.1  | 3.5   | 78    | <0.1  | 21.5  | 12.6  | 466   | 2.81  | 2.0   | 0.9   | 2.9   | 21    | <0.1  | 0.2   | <0.1  | 36    | 0.34  | 0.048 | 13    |       |     |
| 1231226 | Soil | 0.3                              | 47.7  | 2.5   | 34    | <0.1  | 15.3  | 14.4  | 277   | 3.33  | 4.6   | 1.3   | 9.9   | 12    | <0.1  | 0.2   | <0.1  | 112   | 0.42  | 0.027 | 59    |       |     |
| 1231227 | Soil | 1.0                              | 19.7  | 7.9   | 40    | <0.1  | 19.2  | 10.2  | 329   | 2.91  | 8.8   | <0.5  | 19.6  | 12    | <0.1  | 0.4   | <0.1  | 74    | 0.18  | 0.021 | 38    |       |     |
| 1231228 | Soil | 0.6                              | 41.9  | 12.0  | 119   | 0.1   | 81.5  | 13.2  | 420   | 4.04  | 12.5  | 0.8   | 7.8   | 9     | <0.1  | 0.4   | 0.1   | 101   | 0.09  | 0.019 | 29    |       |     |
| 1231229 | Soil | 0.5                              | 6.9   | 6.0   | 54    | <0.1  | 35.6  | 13.4  | 414   | 3.04  | 3.4   | <0.5  | 10.6  | 21    | <0.1  | 0.1   | <0.1  | 47    | 0.26  | 0.047 | 17    |       |     |
| 1231230 | Soil | 0.5                              | 49.8  | 9.0   | 85    | <0.1  | 84.4  | 16.8  | 472   | 4.19  | 8.7   | 1.4   | 25.2  | 14    | 0.1   | 0.2   | 0.2   | 101   | 0.17  | 0.018 | 160   |       |     |
| 1231231 | Soil | 0.7                              | 37.4  | 5.9   | 39    | 0.1   | 22.6  | 10.1  | 218   | 2.16  | 6.4   | 1.4   | 1.6   | 20    | <0.1  | 0.3   | 0.1   | 54    | 0.33  | 0.056 | 6     |       |     |
| 1231232 | Soil | <0.1                             | 41.1  | 1.4   | 27    | <0.1  | 52.4  | 15.1  | 241   | 1.64  | 1.4   | <0.5  | 0.8   | 22    | <0.1  | <0.1  | <0.1  | 38    | 0.45  | 0.032 | 4     |       |     |
| 1231233 | Soil | 0.2                              | 76.2  | 1.4   | 49    | <0.1  | 26.0  | 15.5  | 373   | 2.89  | 2.4   | 1.0   | 3.1   | 25    | <0.1  | <0.1  | <0.1  | 93    | 0.58  | 0.056 | 10    |       |     |
| 1231234 | Soil | 0.5                              | 67.0  | 6.5   | 42    | <0.1  | 24.2  | 10.6  | 215   | 2.38  | 6.7   | 7.5   | 3.6   | 14    | <0.1  | 0.3   | 0.1   | 58    | 0.19  | 0.020 | 12    |       |     |
| 1231235 | Soil | 0.9                              | 20.4  | 8.2   | 55    | 0.1   | 18.0  | 8.9   | 342   | 2.60  | 7.7   | 10.9  | 5.0   | 17    | <0.1  | 0.3   | 0.1   | 45    | 0.25  | 0.038 | 15    |       |     |
| 1231236 | Soil | 0.4                              | 20.2  | 5.2   | 92    | <0.1  | 21.0  | 12.8  | 630   | 3.63  | 4.2   | 0.8   | 5.6   | 18    | <0.1  | 0.2   | <0.1  | 47    | 0.41  | 0.101 | 23    |       |     |
| 1231237 | Soil | 0.6                              | 20.5  | 8.0   | 49    | <0.1  | 24.3  | 9.2   | 245   | 2.37  | 8.3   | 3.9   | 5.7   | 19    | <0.1  | 0.5   | 0.1   | 51    | 0.23  | 0.036 | 19    |       |     |
| 1231238 | Soil | 0.9                              | 20.9  | 7.9   | 60    | <0.1  | 28.6  | 12.3  | 341   | 3.31  | 7.3   | 1.4   | 11.2  | 15    | <0.1  | 0.5   | 0.1   | 63    | 0.15  | 0.013 | 43    |       |     |
| 1231239 | Soil | 0.9                              | 17.1  | 9.9   | 63    | <0.1  | 22.2  | 10.0  | 322   | 3.22  | 8.0   | <0.5  | 8.4   | 10    | <0.1  | 0.5   | 0.3   | 56    | 0.10  | 0.015 | 11    |       |     |
| 1231240 | Soil | 0.8                              | 28.7  | 11.7  | 70    | 0.1   | 47.6  | 13.7  | 507   | 3.64  | 7.8   | <0.5  | 5.5   | 11    | <0.1  | 0.3   | 0.2   | 89    | 0.16  | 0.027 | 10    |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |      |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |

# CERTIFICATE OF ANALYSIS

WHI11001416.1

|         |      |     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |     |     |
|---------|------|-----|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
|         |      |     |                                  | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se  | Te  |
|         |      |     |                                  | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm | ppm |
|         |      |     |                                  | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.1   | 0.05  | 1   | 0.5 |
| 1231219 | Soil | 14  | 0.56                             | 191   | 0.097 | 1     | 1.55  | 0.007 | 0.52  | <0.1  | 0.02  | 3.2   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |     |     |
| 1231220 | Soil | 15  | 0.59                             | 204   | 0.150 | 1     | 1.57  | 0.008 | 0.65  | 0.1   | 0.01  | 2.7   | 0.6   | <0.05 | 7     | <0.5  | <0.2  |     |     |
| 1231221 | Soil | 25  | 0.40                             | 176   | 0.065 | 1     | 1.49  | 0.009 | 0.10  | 0.1   | 0.03  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |     |     |
| 1231222 | Soil | 20  | 0.53                             | 191   | 0.129 | <1    | 1.40  | 0.008 | 0.53  | 0.1   | 0.01  | 2.7   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |     |     |
| 1231223 | Soil | 40  | 0.60                             | 176   | 0.058 | <1    | 1.59  | 0.013 | 0.12  | 0.1   | <0.01 | 3.4   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |     |     |
| 1231224 | Soil | 35  | 1.22                             | 169   | 0.129 | 2     | 2.15  | 0.007 | 0.50  | <0.1  | <0.01 | 2.3   | 0.3   | <0.05 | 5     | 0.8   | <0.2  |     |     |
| 1231225 | Soil | 68  | 1.41                             | 413   | 0.228 | <1    | 2.02  | 0.012 | 0.82  | 0.2   | <0.01 | 2.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |     |     |
| 1231226 | Soil | 18  | 0.69                             | 115   | 0.195 | 1     | 1.52  | 0.025 | 0.11  | <0.1  | <0.01 | 7.9   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |     |     |
| 1231227 | Soil | 34  | 0.55                             | 125   | 0.141 | 1     | 1.81  | 0.009 | 0.13  | <0.1  | <0.01 | 4.7   | 0.1   | <0.05 | 8     | 0.5   | <0.2  |     |     |
| 1231228 | Soil | 152 | 1.61                             | 115   | 0.037 | 1     | 2.67  | 0.005 | 0.09  | <0.1  | 0.02  | 8.2   | <0.1  | <0.05 | 13    | <0.5  | <0.2  |     |     |
| 1231229 | Soil | 139 | 1.72                             | 186   | 0.177 | 1     | 2.27  | 0.007 | 0.66  | 0.1   | <0.01 | 2.6   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |     |     |
| 1231230 | Soil | 167 | 1.92                             | 277   | 0.130 | <1    | 3.15  | 0.005 | 0.29  | <0.1  | 0.02  | 7.6   | 0.2   | <0.05 | 13    | 0.5   | <0.2  |     |     |
| 1231231 | Soil | 53  | 0.68                             | 197   | 0.068 | <1    | 1.94  | 0.020 | 0.05  | 0.1   | 0.01  | 2.8   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |     |     |
| 1231232 | Soil | 121 | 1.26                             | 94    | 0.093 | <1    | 1.59  | 0.014 | 0.03  | <0.1  | <0.01 | 2.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |     |     |
| 1231233 | Soil | 84  | 1.30                             | 330   | 0.099 | <1    | 1.83  | 0.015 | 0.24  | <0.1  | 0.01  | 8.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |     |     |
| 1231234 | Soil | 41  | 0.61                             | 191   | 0.083 | <1    | 1.75  | 0.014 | 0.07  | 0.1   | 0.02  | 2.9   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |     |     |
| 1231235 | Soil | 34  | 0.64                             | 209   | 0.099 | 1     | 1.60  | 0.008 | 0.10  | 0.1   | 0.02  | 2.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |     |     |
| 1231236 | Soil | 71  | 1.22                             | 368   | 0.209 | <1    | 2.13  | 0.006 | 0.82  | 0.1   | <0.01 | 3.1   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |     |     |
| 1231237 | Soil | 40  | 0.59                             | 235   | 0.077 | 1     | 1.64  | 0.015 | 0.06  | 0.1   | 0.02  | 3.7   | <0.1  | <0.05 | 5     | 0.5   | <0.2  |     |     |
| 1231238 | Soil | 86  | 1.12                             | 207   | 0.069 | <1    | 2.41  | 0.008 | 0.06  | <0.1  | <0.01 | 6.3   | 0.1   | <0.05 | 8     | 0.7   | <0.2  |     |     |
| 1231239 | Soil | 51  | 0.76                             | 152   | 0.051 | <1    | 2.31  | 0.006 | 0.07  | <0.1  | 0.01  | 3.8   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |     |     |
| 1231240 | Soil | 93  | 1.37                             | 400   | 0.189 | <1    | 2.57  | 0.008 | 0.65  | 0.2   | <0.01 | 5.3   | 0.3   | <0.05 | 9     | <0.5  | <0.2  |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |
|         |      |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Goldstrike Resources (Petro One Energy Co)**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |       |     |
|---------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|         |        |         |      |     | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     | La  |
|         |        |         |      |     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     | ppm |
|         |        |         |      |     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 | 1   |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|         |        |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
| 1230616 | Soil   |         |      | 0.6 | 88.6  | 3.6   | 44    | <0.1  | 61.3  | 23.8  | 786   | 3.46  | 4.0   | <0.5  | 1.6   | 36    | 0.1   | 0.2   | <0.1  | 68    | 0.67  | 0.049 | 3     |     |
| 1230617 | Soil   |         |      | 0.1 | 53.2  | 2.5   | 16    | <0.1  | 28.4  | 14.1  | 273   | 1.37  | 1.9   | <0.5  | 0.8   | 9     | <0.1  | 0.1   | <0.1  | 29    | 0.28  | 0.035 | 2     |     |
| 1230618 | Soil   |         |      | 0.4 | 53.0  | 3.9   | 56    | <0.1  | 46.0  | 18.7  | 401   | 3.64  | 3.8   | <0.5  | 5.8   | 21    | <0.1  | 0.3   | <0.1  | 74    | 0.26  | 0.012 | 15    |     |
| 1230619 | Soil   |         |      | 0.1 | 58.1  | 1.0   | 27    | <0.1  | 94.1  | 20.4  | 252   | 2.38  | 0.7   | <0.5  | 0.9   | 19    | <0.1  | <0.1  | <0.1  | 46    | 0.42  | 0.033 | 4     |     |
| 1230620 | Soil   |         |      | 0.7 | 81.4  | 2.2   | 84    | <0.1  | 71.7  | 22.2  | 618   | 3.61  | 0.9   | 0.5   | 2.6   | 25    | <0.1  | <0.1  | <0.1  | 68    | 0.70  | 0.079 | 5     |     |
| 1230621 | Soil   |         |      | 0.4 | 49.5  | 4.2   | 48    | <0.1  | 34.1  | 17.2  | 364   | 3.77  | 4.4   | <0.5  | 5.8   | 36    | <0.1  | 0.2   | <0.1  | 90    | 0.26  | 0.043 | 9     |     |
| 1230622 | Soil   |         |      | 0.6 | 21.5  | 7.7   | 42    | <0.1  | 22.0  | 10.5  | 229   | 2.66  | 7.9   | <0.5  | 2.9   | 17    | <0.1  | 0.4   | 0.1   | 58    | 0.21  | 0.021 | 9     |     |
| 1230623 | Soil   |         |      | 0.7 | 26.4  | 6.3   | 35    | <0.1  | 19.2  | 8.4   | 140   | 2.11  | 5.1   | <0.5  | 3.9   | 22    | <0.1  | 0.3   | <0.1  | 48    | 0.28  | 0.025 | 12    |     |
| 1230624 | Soil   |         |      | 0.3 | 56.8  | 4.9   | 27    | <0.1  | 23.6  | 11.5  | 227   | 1.93  | 3.5   | 5.5   | 2.5   | 30    | 0.1   | 0.2   | <0.1  | 47    | 0.40  | 0.032 | 10    |     |
| 1230625 | Soil   |         |      | 0.4 | 47.7  | 4.9   | 28    | <0.1  | 21.0  | 10.1  | 176   | 1.84  | 4.4   | 1.7   | 2.3   | 20    | <0.1  | 0.3   | <0.1  | 45    | 0.32  | 0.024 | 9     |     |
| 1230626 | Soil   |         |      | 0.7 | 18.5  | 11.2  | 63    | <0.1  | 15.4  | 7.5   | 268   | 2.85  | 6.6   | 1.0   | 19.5  | 15    | <0.1  | 0.4   | 0.2   | 49    | 0.17  | 0.035 | 41    |     |
| 1230627 | Soil   |         |      | 0.5 | 20.7  | 8.0   | 48    | <0.1  | 14.1  | 7.3   | 262   | 2.38  | 6.1   | 1.3   | 12.4  | 23    | <0.1  | 0.4   | 0.1   | 42    | 0.27  | 0.043 | 31    |     |
| 1230628 | Soil   |         |      | 0.6 | 23.8  | 7.4   | 43    | <0.1  | 14.5  | 7.4   | 216   | 2.25  | 5.9   | 3.6   | 10.6  | 22    | <0.1  | 0.4   | 0.1   | 44    | 0.29  | 0.037 | 32    |     |
| 1230629 | Soil   |         |      | 0.6 | 23.5  | 6.9   | 43    | <0.1  | 14.2  | 7.2   | 197   | 2.37  | 5.4   | 1.3   | 9.6   | 21    | <0.1  | 0.4   | 0.1   | 47    | 0.26  | 0.032 | 34    |     |
| 1230630 | Soil   |         |      | 0.4 | 18.3  | 5.4   | 32    | <0.1  | 12.6  | 6.4   | 164   | 1.80  | 4.0   | 1.6   | 5.5   | 17    | <0.1  | 0.3   | <0.1  | 41    | 0.27  | 0.035 | 20    |     |
| 1230631 | Soil   |         |      | 0.7 | 20.9  | 7.1   | 41    | <0.1  | 15.5  | 7.0   | 182   | 2.37  | 6.3   | 0.9   | 5.6   | 16    | <0.1  | 0.3   | 0.2   | 49    | 0.21  | 0.037 | 13    |     |
| 1230632 | Soil   |         |      | 0.5 | 19.7  | 5.9   | 38    | <0.1  | 15.5  | 7.4   | 230   | 2.01  | 5.7   | 3.0   | 4.4   | 26    | <0.1  | 0.3   | <0.1  | 43    | 0.37  | 0.051 | 12    |     |
| 1230633 | Soil   |         |      | 0.5 | 29.2  | 6.1   | 38    | <0.1  | 20.6  | 8.2   | 269   | 2.11  | 6.1   | 1.8   | 4.2   | 25    | <0.1  | 0.5   | <0.1  | 46    | 0.38  | 0.054 | 14    |     |
| 1230634 | Soil   |         |      | 0.5 | 29.2  | 5.7   | 38    | <0.1  | 19.9  | 8.5   | 264   | 2.04  | 5.5   | 1.7   | 4.8   | 28    | <0.1  | 0.4   | <0.1  | 42    | 0.44  | 0.058 | 14    |     |
| 1230635 | Soil   |         |      | 0.5 | 28.7  | 4.7   | 36    | <0.1  | 18.6  | 8.9   | 209   | 2.03  | 4.5   | 1.1   | 4.2   | 26    | <0.1  | 0.3   | <0.1  | 42    | 0.45  | 0.086 | 13    |     |
| 1230636 | Soil   |         |      | 0.6 | 30.8  | 6.2   | 39    | <0.1  | 20.5  | 7.6   | 203   | 2.01  | 6.7   | 1.9   | 4.4   | 27    | <0.1  | 0.5   | <0.1  | 45    | 0.39  | 0.055 | 15    |     |
| 1230637 | Soil   |         |      | 0.6 | 35.6  | 8.0   | 48    | <0.1  | 26.8  | 8.9   | 270   | 2.38  | 7.3   | 0.9   | 6.4   | 24    | <0.1  | 0.6   | 0.2   | 50    | 0.34  | 0.042 | 17    |     |
| 1230638 | Soil   |         |      | 0.5 | 24.5  | 7.4   | 39    | <0.1  | 17.4  | 7.5   | 219   | 2.08  | 5.2   | 0.6   | 9.4   | 21    | <0.1  | 0.4   | 0.1   | 46    | 0.32  | 0.028 | 24    |     |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Goldstrike Resources (Petro One Energy Co)**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: November 14, 2011

Page: 3 of 6 Part 2

## CERTIFICATE OF ANALYSIS

WHI11001416.1

| Method  | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         |      |     | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    |
|         |         |      |     | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   |
|         |         |      |     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     |
|         |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |         |      |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1230616 | Soil    |      |     | 82    | 1.08  | 128   | 0.147 | 1     | 2.91  | 0.022 | 0.24  | <0.1  | <0.01 | 4.1   | 0.2   | <0.05 | 6     |
| 1230617 | Soil    |      |     | 25    | 0.36  | 71    | 0.064 | <1    | 0.81  | 0.012 | 0.05  | <0.1  | <0.01 | 2.7   | <0.1  | <0.05 | 2     |
| 1230618 | Soil    |      |     | 70    | 1.24  | 128   | 0.248 | 1     | 3.01  | 0.012 | 0.30  | <0.1  | <0.01 | 4.6   | 0.3   | <0.05 | 7     |
| 1230619 | Soil    |      |     | 259   | 1.57  | 178   | 0.168 | <1    | 1.96  | 0.009 | 0.43  | <0.1  | <0.01 | 1.7   | 0.3   | <0.05 | 4     |
| 1230620 | Soil    |      |     | 65    | 1.75  | 112   | 0.148 | <1    | 2.05  | 0.007 | 0.94  | <0.1  | <0.01 | 3.3   | 0.7   | <0.05 | 5     |
| 1230621 | Soil    |      |     | 71    | 1.13  | 239   | 0.246 | <1    | 2.43  | 0.014 | 0.74  | <0.1  | <0.01 | 6.8   | 0.3   | <0.05 | 8     |
| 1230622 | Soil    |      |     | 42    | 0.59  | 202   | 0.097 | <1    | 1.92  | 0.009 | 0.12  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 5     |
| 1230623 | Soil    |      |     | 30    | 0.49  | 165   | 0.071 | <1    | 1.48  | 0.010 | 0.06  | 0.1   | 0.01  | 2.1   | <0.1  | <0.05 | 4     |
| 1230624 | Soil    |      |     | 43    | 0.63  | 190   | 0.085 | <1    | 1.58  | 0.013 | 0.04  | <0.1  | <0.01 | 2.9   | <0.1  | <0.05 | 4     |
| 1230625 | Soil    |      |     | 32    | 0.42  | 163   | 0.064 | <1    | 1.43  | 0.013 | 0.03  | <0.1  | <0.01 | 2.9   | <0.1  | <0.05 | 4     |
| 1230626 | Soil    |      |     | 26    | 0.48  | 171   | 0.121 | <1    | 1.91  | 0.010 | 0.30  | 0.2   | 0.02  | 2.7   | 0.3   | <0.05 | 7     |
| 1230627 | Soil    |      |     | 24    | 0.42  | 249   | 0.103 | <1    | 1.39  | 0.010 | 0.17  | 0.1   | 0.03  | 4.0   | 0.2   | <0.05 | 5     |
| 1230628 | Soil    |      |     | 25    | 0.41  | 248   | 0.099 | <1    | 1.35  | 0.015 | 0.13  | 0.1   | 0.02  | 3.7   | 0.2   | <0.05 | 5     |
| 1230629 | Soil    |      |     | 28    | 0.44  | 221   | 0.099 | <1    | 1.46  | 0.009 | 0.14  | 0.4   | 0.01  | 3.4   | 0.2   | <0.05 | 5     |
| 1230630 | Soil    |      |     | 23    | 0.38  | 165   | 0.089 | <1    | 1.11  | 0.013 | 0.08  | 0.1   | <0.01 | 2.2   | <0.1  | <0.05 | 4     |
| 1230631 | Soil    |      |     | 29    | 0.46  | 153   | 0.086 | 1     | 1.58  | 0.009 | 0.10  | 0.1   | <0.01 | 2.5   | 0.1   | <0.05 | 5     |
| 1230632 | Soil    |      |     | 26    | 0.43  | 225   | 0.079 | <1    | 1.18  | 0.014 | 0.07  | 0.1   | 0.01  | 2.9   | <0.1  | <0.05 | 4     |
| 1230633 | Soil    |      |     | 30    | 0.47  | 268   | 0.080 | <1    | 1.31  | 0.014 | 0.05  | 0.1   | 0.03  | 3.4   | <0.1  | <0.05 | 4     |
| 1230634 | Soil    |      |     | 27    | 0.44  | 258   | 0.077 | <1    | 1.25  | 0.015 | 0.09  | 0.1   | 0.02  | 3.3   | <0.1  | <0.05 | 4     |
| 1230635 | Soil    |      |     | 29    | 0.47  | 231   | 0.084 | <1    | 1.16  | 0.014 | 0.09  | 0.1   | 0.02  | 3.1   | <0.1  | <0.05 | 4     |
| 1230636 | Soil    |      |     | 28    | 0.42  | 251   | 0.078 | 1     | 1.25  | 0.014 | 0.05  | 0.2   | 0.03  | 3.5   | <0.1  | <0.05 | 4     |
| 1230637 | Soil    |      |     | 32    | 0.44  | 248   | 0.082 | <1    | 1.38  | 0.013 | 0.08  | 0.1   | 0.04  | 4.3   | 0.1   | <0.05 | 4     |
| 1230638 | Soil    |      |     | 27    | 0.41  | 196   | 0.096 | <1    | 1.34  | 0.011 | 0.12  | 0.1   | 0.02  | 3.6   | 0.2   | <0.05 | 4     |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Goldstrike Resources (Petro One Energy Co**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| 1230639 | Soil                             | 0.9   | 37.1  | 8.3   | 59    | <0.1  | 30.9  | 11.0  | 292   | 2.65  | 8.0   | 2.0   | 4.4   | 27    | <0.1  | 0.6   | 0.1   | 60    | 0.44  | 0.057 |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1231016 | Soil                             | 0.6   | 17.7  | 8.1   | 41    | <0.1  | 15.7  | 7.2   | 294   | 2.21  | 6.5   | 1.5   | 4.6   | 16    | <0.1  | 0.4   | 0.1   | 49    | 0.19  | 0.042 |
| 1231017 | Soil                             | 0.3   | 55.9  | 4.4   | 45    | <0.1  | 40.7  | 19.0  | 397   | 3.17  | 4.8   | 1.0   | 3.5   | 64    | <0.1  | 0.2   | <0.1  | 63    | 0.83  | 0.031 |
| 1231018 | Soil                             | 0.7   | 29.9  | 7.0   | 40    | <0.1  | 24.1  | 10.6  | 208   | 2.69  | 7.7   | <0.5  | 2.1   | 8     | <0.1  | 0.4   | 0.1   | 68    | 0.13  | 0.018 |
| 1231019 | Soil                             | 0.7   | 18.1  | 10.2  | 55    | <0.1  | 21.5  | 9.6   | 235   | 2.75  | 9.2   | 1.6   | 8.3   | 11    | <0.1  | 0.6   | 0.2   | 57    | 0.09  | 0.015 |
| 1231020 | Soil                             | 0.6   | 9.8   | 11.7  | 40    | <0.1  | 9.8   | 3.7   | 181   | 1.57  | 5.0   | 2.1   | 5.6   | 11    | <0.1  | 0.2   | 0.2   | 36    | 0.11  | 0.041 |
| 1231021 | Soil                             | 0.7   | 12.2  | 10.0  | 53    | <0.1  | 16.8  | 7.1   | 211   | 2.45  | 8.7   | 6.5   | 7.6   | 11    | 0.1   | 0.4   | 0.2   | 43    | 0.11  | 0.044 |
| 1231022 | Soil                             | 1.0   | 8.6   | 9.7   | 43    | <0.1  | 10.5  | 5.4   | 207   | 2.42  | 6.7   | 4.5   | 3.8   | 13    | <0.1  | 0.3   | 0.2   | 57    | 0.14  | 0.024 |
| 1231023 | Soil                             | 0.4   | 43.1  | 5.6   | 45    | <0.1  | 23.0  | 10.4  | 227   | 2.62  | 5.1   | 4.6   | 3.4   | 20    | <0.1  | 0.2   | 0.1   | 57    | 0.32  | 0.039 |
| 1231024 | Soil                             | 0.4   | 31.6  | 7.7   | 48    | 0.1   | 15.9  | 6.8   | 178   | 2.04  | 4.0   | 3.1   | 5.5   | 16    | <0.1  | 0.2   | 0.1   | 42    | 0.25  | 0.036 |
| 1231025 | Soil                             | 1.1   | 11.4  | 10.1  | 55    | <0.1  | 13.8  | 6.5   | 280   | 2.43  | 8.0   | 3.8   | 4.6   | 12    | 0.2   | 0.3   | 0.2   | 55    | 0.14  | 0.039 |
| 1231026 | Soil                             | 0.4   | 20.4  | 3.4   | 50    | <0.1  | 15.8  | 11.6  | 404   | 3.17  | 2.5   | 3.1   | 5.0   | 18    | <0.1  | 0.2   | <0.1  | 39    | 0.34  | 0.059 |
| 1231027 | Soil                             | 0.9   | 19.5  | 9.6   | 59    | <0.1  | 18.2  | 11.0  | 320   | 2.86  | 9.4   | 6.1   | 8.2   | 15    | <0.1  | 0.5   | 0.2   | 52    | 0.16  | 0.039 |
| 1231028 | Soil                             | 0.6   | 19.5  | 8.6   | 46    | <0.1  | 14.5  | 7.2   | 191   | 2.39  | 7.7   | 5.3   | 5.3   | 17    | <0.1  | 0.4   | 0.2   | 49    | 0.21  | 0.042 |
| 1231029 | Soil                             | 0.7   | 10.6  | 8.0   | 72    | <0.1  | 10.2  | 9.4   | 391   | 3.58  | 5.8   | 1.9   | 3.7   | 10    | <0.1  | 0.4   | 0.1   | 62    | 0.14  | 0.040 |
| 1231030 | Soil                             | 0.9   | 12.3  | 8.7   | 64    | <0.1  | 12.3  | 9.2   | 284   | 3.25  | 6.7   | 2.8   | 3.1   | 12    | <0.1  | 0.3   | 0.1   | 60    | 0.14  | 0.036 |
| 1231031 | Soil                             | 0.6   | 10.6  | 7.4   | 46    | 0.3   | 12.0  | 7.3   | 202   | 2.59  | 7.4   | 2.3   | 2.2   | 10    | <0.1  | 0.4   | 0.1   | 54    | 0.10  | 0.021 |
| 1231032 | Soil                             | 1.2   | 7.5   | 13.6  | 37    | 0.1   | 8.3   | 3.8   | 144   | 2.75  | 9.8   | 2.7   | 4.4   | 10    | <0.1  | 0.4   | 0.2   | 69    | 0.10  | 0.049 |
| 1231033 | Soil                             | 0.8   | 7.3   | 14.1  | 63    | <0.1  | 9.3   | 5.5   | 314   | 2.53  | 6.1   | 1.2   | 3.3   | 16    | 0.3   | 0.4   | 0.2   | 58    | 0.15  | 0.075 |
| 1231034 | Soil                             | 0.6   | 36.6  | 4.8   | 53    | <0.1  | 45.0  | 13.1  | 306   | 3.32  | 5.6   | 3.4   | 3.8   | 16    | <0.1  | 0.3   | 0.1   | 48    | 0.30  | 0.064 |
| 1231035 | Soil                             | 0.7   | 34.8  | 15.9  | 86    | <0.1  | 30.1  | 11.4  | 289   | 3.34  | 5.3   | 2.9   | 5.0   | 23    | <0.1  | 0.3   | 0.2   | 44    | 0.35  | 0.030 |
| 1231036 | Soil                             | 0.6   | 20.2  | 13.0  | 65    | <0.1  | 26.3  | 10.0  | 287   | 3.04  | 8.1   | 1.4   | 6.4   | 10    | 0.1   | 0.4   | 0.2   | 50    | 0.11  | 0.054 |
| 1231037 | Soil                             | 0.7   | 18.7  | 7.0   | 87    | <0.1  | 14.2  | 10.9  | 466   | 4.19  | 7.4   | 1.4   | 5.9   | 15    | <0.1  | 0.4   | <0.1  | 51    | 0.18  | 0.046 |
| 1231038 | Soil                             | 0.8   | 17.3  | 8.1   | 67    | <0.1  | 21.5  | 10.3  | 317   | 3.24  | 11.7  | 4.2   | 3.9   | 14    | <0.1  | 0.6   | 0.2   | 60    | 0.15  | 0.042 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Goldstrike Resources (Petro One Energy Co)**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|         |                                  | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|         |                                  | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 1230639 | Soil                             | 41    | 0.66  | 236   | 0.104 | 1     | 1.59  | 0.020 | 0.16  | 0.2   | 0.03  | 4.3   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1231016 | Soil                             | 27    | 0.42  | 187   | 0.061 | <1    | 1.43  | 0.009 | 0.05  | 0.1   | 0.03  | 2.7   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1231017 | Soil                             | 72    | 1.05  | 176   | 0.124 | <1    | 2.62  | 0.024 | 0.08  | <0.1  | <0.01 | 6.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1231018 | Soil                             | 60    | 0.67  | 193   | 0.119 | <1    | 1.80  | 0.010 | 0.16  | <0.1  | 0.02  | 2.4   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1231019 | Soil                             | 32    | 0.48  | 183   | 0.069 | <1    | 2.00  | 0.008 | 0.09  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1231020 | Soil                             | 17    | 0.27  | 119   | 0.046 | <1    | 1.04  | 0.006 | 0.07  | <0.1  | 0.01  | 1.7   | 0.1   | <0.05 | 5     | 0.7   | <0.2  |
| 1231021 | Soil                             | 22    | 0.41  | 130   | 0.051 | 2     | 1.38  | 0.008 | 0.08  | 0.1   | 0.03  | 2.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1231022 | Soil                             | 24    | 0.39  | 113   | 0.090 | 2     | 1.29  | 0.009 | 0.09  | 0.2   | 0.02  | 2.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1231023 | Soil                             | 44    | 0.74  | 189   | 0.080 | 1     | 1.54  | 0.011 | 0.07  | <0.1  | 0.01  | 3.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1231024 | Soil                             | 30    | 0.52  | 239   | 0.076 | <1    | 1.31  | 0.016 | 0.16  | 0.1   | 0.02  | 2.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 1231025 | Soil                             | 26    | 0.38  | 135   | 0.071 | <1    | 1.38  | 0.010 | 0.10  | 0.2   | <0.01 | 2.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1231026 | Soil                             | 25    | 1.03  | 358   | 0.161 | <1    | 1.98  | 0.009 | 0.68  | 0.1   | 0.01  | 2.4   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1231027 | Soil                             | 32    | 0.53  | 196   | 0.067 | 2     | 2.07  | 0.012 | 0.10  | 0.2   | 0.04  | 3.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1231028 | Soil                             | 25    | 0.52  | 198   | 0.070 | 2     | 1.54  | 0.010 | 0.08  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1231029 | Soil                             | 24    | 0.98  | 150   | 0.188 | <1    | 2.33  | 0.008 | 0.59  | 0.6   | 0.02  | 1.7   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 1231030 | Soil                             | 29    | 0.81  | 252   | 0.155 | 1     | 2.00  | 0.011 | 0.34  | 0.2   | 0.01  | 2.7   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1231031 | Soil                             | 26    | 0.60  | 211   | 0.103 | 1     | 1.61  | 0.008 | 0.11  | 0.4   | 0.02  | 2.0   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |
| 1231032 | Soil                             | 22    | 0.28  | 116   | 0.104 | 2     | 1.09  | 0.005 | 0.06  | 0.2   | 0.02  | 1.8   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 1231033 | Soil                             | 23    | 0.25  | 178   | 0.084 | 1     | 1.23  | 0.007 | 0.07  | 0.2   | 0.02  | 1.8   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 1231034 | Soil                             | 59    | 0.99  | 278   | 0.125 | <1    | 2.03  | 0.012 | 0.40  | 0.1   | <0.01 | 3.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1231035 | Soil                             | 36    | 0.86  | 170   | 0.101 | <1    | 1.94  | 0.008 | 0.15  | 0.1   | 0.01  | 3.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1231036 | Soil                             | 34    | 0.67  | 126   | 0.110 | <1    | 2.09  | 0.007 | 0.25  | 0.1   | <0.01 | 2.7   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1231037 | Soil                             | 21    | 0.80  | 318   | 0.182 | 1     | 2.41  | 0.009 | 0.69  | 0.3   | <0.01 | 2.2   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 1231038 | Soil                             | 29    | 0.74  | 362   | 0.112 | 1     | 1.98  | 0.008 | 0.29  | 0.2   | 0.01  | 2.5   | 0.2   | <0.05 | 5     | <0.5  | <0.2  |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
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Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     | La    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     | ppm   |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 | 1     |
| 1231039 | Soil                             | 0.6   | 10.9  | 7.4   | 155   | 0.2   | 15.9  | 14.6  | 785   | 3.38  | 4.3   | 1.8   | 2.9   | 15    | 0.3   | 0.2   | 0.1   | 75    | 0.25  | 0.081 | 5     |
| 1231040 | Soil                             | 0.5   | 10.8  | 7.0   | 80    | <0.1  | 19.1  | 15.0  | 551   | 4.10  | 10.8  | 1.7   | 4.0   | 17    | <0.1  | 0.4   | 0.1   | 83    | 0.34  | 0.083 | 6     |
| 1231041 | Soil                             | 1.0   | 15.8  | 9.0   | 65    | <0.1  | 21.8  | 9.4   | 401   | 2.94  | 10.1  | 2.6   | 5.1   | 12    | <0.1  | 0.6   | 0.2   | 55    | 0.13  | 0.077 | 11    |
| 1231042 | Soil                             | 0.5   | 31.5  | 5.2   | 61    | <0.1  | 48.4  | 17.8  | 425   | 4.29  | 19.1  | <0.5  | 3.5   | 16    | 0.2   | 0.3   | <0.1  | 65    | 0.27  | 0.054 | 5     |
| 1231043 | Soil                             | 0.4   | 23.4  | 9.1   | 83    | <0.1  | 51.6  | 16.4  | 322   | 4.07  | 4.7   | 1.1   | 5.6   | 15    | <0.1  | 0.1   | <0.1  | 73    | 0.23  | 0.036 | 14    |
| 1231044 | Soil                             | 0.7   | 23.7  | 12.7  | 69    | <0.1  | 39.7  | 12.8  | 202   | 3.68  | 4.9   | 2.3   | 4.4   | 15    | <0.1  | 0.2   | 0.2   | 70    | 0.27  | 0.018 | 10    |
| 1231045 | Soil                             | 0.7   | 28.2  | 9.6   | 63    | <0.1  | 24.2  | 9.8   | 546   | 2.81  | 6.9   | 1.7   | 2.8   | 16    | <0.1  | 0.4   | 0.2   | 58    | 0.31  | 0.031 | 8     |
| 1231046 | Soil                             | 1.1   | 19.2  | 8.7   | 45    | 0.2   | 14.4  | 8.1   | 307   | 3.04  | 9.8   | 3.3   | 1.9   | 14    | <0.1  | 0.5   | 0.2   | 70    | 0.21  | 0.057 | 7     |
| 1230711 | Soil                             | 0.5   | 40.7  | 6.5   | 90    | <0.1  | 53.5  | 17.8  | 485   | 3.80  | 7.6   | 3.1   | 6.2   | 29    | <0.1  | 0.2   | <0.1  | 43    | 0.53  | 0.100 | 26    |
| 1230712 | Soil                             | 0.4   | 25.6  | 8.6   | 74    | <0.1  | 13.3  | 10.4  | 385   | 3.32  | 5.3   | 2.8   | 12.9  | 20    | <0.1  | 0.4   | 0.1   | 44    | 0.18  | 0.039 | 45    |
| 1230713 | Soil                             | 0.6   | 24.9  | 7.2   | 45    | <0.1  | 21.0  | 8.6   | 230   | 2.37  | 8.3   | 2.7   | 7.0   | 16    | <0.1  | 0.5   | 0.1   | 43    | 0.17  | 0.039 | 16    |
| 1230714 | Soil                             | 0.3   | 21.6  | 7.6   | 63    | <0.1  | 15.0  | 10.8  | 616   | 3.83  | 3.4   | 3.3   | 10.9  | 28    | <0.1  | 0.3   | 0.3   | 47    | 0.42  | 0.085 | 50    |
| 1230715 | Soil                             | 0.5   | 12.6  | 8.1   | 59    | <0.1  | 16.3  | 7.9   | 340   | 2.69  | 5.6   | 1.2   | 7.2   | 14    | <0.1  | 0.3   | 0.1   | 42    | 0.16  | 0.043 | 21    |
| 1230716 | Soil                             | 0.4   | 38.7  | 9.1   | 89    | <0.1  | 37.7  | 14.0  | 408   | 3.44  | 3.1   | 0.6   | 4.2   | 39    | 0.1   | 0.3   | <0.1  | 60    | 0.35  | 0.029 | 15    |
| 1230717 | Soil                             | 0.7   | 28.6  | 10.1  | 51    | <0.1  | 25.8  | 9.9   | 236   | 2.71  | 10.4  | 2.4   | 8.6   | 18    | <0.1  | 0.7   | 0.2   | 54    | 0.17  | 0.016 | 13    |
| 1230718 | Soil                             | 0.6   | 14.8  | 8.4   | 45    | <0.1  | 15.3  | 7.0   | 247   | 2.57  | 6.5   | 2.7   | 13.8  | 20    | <0.1  | 0.4   | 0.1   | 43    | 0.21  | 0.014 | 47    |
| 1230719 | Soil                             | 0.2   | 15.6  | 2.5   | 66    | <0.1  | 72.7  | 23.7  | 502   | 4.78  | 1.8   | <0.5  | 5.0   | 33    | <0.1  | 0.1   | <0.1  | 66    | 0.56  | 0.154 | 25    |
| 1230720 | Soil                             | 0.7   | 10.5  | 7.8   | 76    | <0.1  | 11.8  | 10.0  | 567   | 3.56  | 5.2   | 1.1   | 6.5   | 17    | <0.1  | 0.3   | <0.1  | 51    | 0.20  | 0.056 | 8     |
| 1230721 | Soil                             | 0.8   | 17.7  | 8.2   | 48    | <0.1  | 18.3  | 8.7   | 240   | 2.90  | 9.1   | 1.9   | 8.1   | 12    | <0.1  | 0.6   | 0.2   | 53    | 0.11  | 0.022 | 12    |
| 1230722 | Soil                             | 0.4   | 49.7  | 6.4   | 90    | <0.1  | 10.8  | 9.6   | 332   | 3.32  | 3.8   | <0.5  | 8.2   | 14    | 0.1   | 0.3   | 0.1   | 42    | 0.15  | 0.026 | 10    |
| 1230723 | Soil                             | 0.6   | 23.0  | 6.4   | 54    | <0.1  | 20.8  | 9.8   | 265   | 2.92  | 7.9   | 2.2   | 8.6   | 14    | <0.1  | 0.5   | 0.1   | 53    | 0.14  | 0.020 | 13    |
| 1230724 | Soil                             | 0.8   | 14.2  | 6.0   | 51    | <0.1  | 16.5  | 9.4   | 264   | 3.01  | 7.6   | 2.5   | 5.7   | 14    | <0.1  | 0.3   | 0.1   | 53    | 0.15  | 0.029 | 7     |
| 1230725 | Soil                             | 0.7   | 18.4  | 8.0   | 47    | <0.1  | 19.9  | 9.0   | 195   | 2.80  | 10.6  | 1.8   | 4.5   | 16    | <0.1  | 0.6   | 0.2   | 53    | 0.13  | 0.018 | 9     |
| 1230726 | Soil                             | 0.7   | 26.6  | 8.4   | 51    | <0.1  | 23.9  | 9.1   | 216   | 2.83  | 10.4  | 3.4   | 9.9   | 20    | <0.1  | 0.7   | 0.2   | 54    | 0.19  | 0.019 | 26    |
| 1230727 | Soil                             | 0.4   | 7.6   | 5.8   | 51    | <0.1  | 6.7   | 7.1   | 233   | 2.90  | 4.0   | 1.1   | 7.3   | 13    | <0.1  | 0.2   | 0.1   | 42    | 0.13  | 0.036 | 14    |
| 1230728 | Soil                             | 0.4   | 8.2   | 12.7  | 96    | <0.1  | 8.7   | 10.6  | 409   | 3.76  | 3.8   | <0.5  | 4.9   | 18    | <0.1  | 0.3   | 0.1   | 59    | 0.19  | 0.052 | 8     |
| 1230729 | Soil                             | 0.7   | 13.8  | 11.2  | 74    | <0.1  | 16.6  | 10.1  | 369   | 3.34  | 9.0   | 0.7   | 5.5   | 16    | <0.1  | 0.4   | 0.2   | 58    | 0.17  | 0.035 | 9     |
| 1230730 | Soil                             | 0.5   | 10.1  | 5.5   | 61    | <0.1  | 12.9  | 9.9   | 362   | 3.80  | 6.1   | 1.1   | 7.6   | 18    | <0.1  | 0.3   | 0.1   | 57    | 0.18  | 0.028 | 8     |
| 1230731 | Soil                             | 0.7   | 16.4  | 8.2   | 48    | <0.1  | 20.0  | 8.1   | 201   | 2.69  | 11.1  | 0.8   | 4.7   | 16    | <0.1  | 0.5   | 0.2   | 52    | 0.15  | 0.025 | 9     |
| 1230732 | Soil                             | 0.5   | 9.3   | 11.3  | 61    | <0.1  | 9.4   | 7.5   | 336   | 2.81  | 4.1   | 1.4   | 16.9  | 19    | <0.1  | 0.3   | 0.3   | 45    | 0.25  | 0.046 | 48    |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

Client: **Goldstrike Resources (Petro One Energy Co)**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|         |                                  | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|         |                                  | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 1231039 | Soil                             | 29    | 1.10  | 508   | 0.164 | <1    | 2.14  | 0.011 | 0.33  | 0.2   | <0.01 | 2.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 1231040 | Soil                             | 35    | 1.31  | 467   | 0.187 | 1     | 2.58  | 0.009 | 0.71  | 0.1   | <0.01 | 2.2   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 1231041 | Soil                             | 27    | 0.50  | 179   | 0.063 | <1    | 1.63  | 0.007 | 0.09  | 0.1   | <0.01 | 2.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1231042 | Soil                             | 33    | 1.13  | 212   | 0.178 | <1    | 2.66  | 0.008 | 0.77  | 0.1   | 0.01  | 2.2   | 0.4   | <0.05 | 6     | <0.5  | <0.2  |
| 1231043 | Soil                             | 57    | 2.16  | 287   | 0.196 | <1    | 4.44  | 0.028 | 1.11  | 0.2   | <0.01 | 5.5   | 0.6   | <0.05 | 11    | <0.5  | <0.2  |
| 1231044 | Soil                             | 52    | 1.40  | 156   | 0.143 | <1    | 3.39  | 0.020 | 0.26  | 0.1   | <0.01 | 4.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 1231045 | Soil                             | 27    | 0.75  | 252   | 0.090 | 2     | 1.78  | 0.008 | 0.15  | 0.1   | 0.01  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1231046 | Soil                             | 25    | 0.43  | 253   | 0.067 | <1    | 1.53  | 0.015 | 0.05  | 0.2   | 0.02  | 2.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1230711 | Soil                             | 53    | 1.47  | 194   | 0.121 | <1    | 2.33  | 0.008 | 0.21  | <0.1  | <0.01 | 2.8   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1230712 | Soil                             | 19    | 0.61  | 244   | 0.109 | <1    | 1.75  | 0.009 | 0.39  | 0.1   | 0.03  | 5.5   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1230713 | Soil                             | 25    | 0.48  | 168   | 0.058 | 1     | 1.47  | 0.015 | 0.08  | 0.1   | 0.02  | 3.4   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 1230714 | Soil                             | 17    | 0.80  | 293   | 0.139 | <1    | 1.98  | 0.011 | 0.81  | 0.1   | 0.03  | 3.2   | 0.6   | <0.05 | 8     | <0.5  | <0.2  |
| 1230715 | Soil                             | 21    | 0.56  | 134   | 0.114 | <1    | 1.62  | 0.008 | 0.34  | 0.1   | 0.02  | 2.4   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1230716 | Soil                             | 49    | 1.49  | 288   | 0.158 | <1    | 2.55  | 0.013 | 0.27  | 0.1   | <0.01 | 4.0   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 1230717 | Soil                             | 35    | 0.50  | 232   | 0.060 | <1    | 1.87  | 0.011 | 0.07  | 0.1   | 0.01  | 3.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1230718 | Soil                             | 22    | 0.55  | 196   | 0.079 | <1    | 1.96  | 0.009 | 0.19  | 0.1   | 0.01  | 3.1   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1230719 | Soil                             | 69    | 2.25  | 206   | 0.201 | <1    | 3.09  | 0.010 | 0.52  | 0.1   | 0.01  | 3.0   | 0.6   | <0.05 | 11    | <0.5  | <0.2  |
| 1230720 | Soil                             | 19    | 0.62  | 191   | 0.164 | <1    | 2.04  | 0.014 | 0.52  | 0.1   | <0.01 | 1.8   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 1230721 | Soil                             | 29    | 0.51  | 204   | 0.088 | <1    | 2.17  | 0.008 | 0.21  | 0.1   | 0.02  | 3.3   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1230722 | Soil                             | 16    | 0.53  | 224   | 0.166 | <1    | 1.94  | 0.008 | 0.61  | 0.1   | <0.01 | 2.0   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 1230723 | Soil                             | 27    | 0.63  | 207   | 0.106 | <1    | 1.99  | 0.009 | 0.24  | 0.1   | 0.01  | 2.7   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1230724 | Soil                             | 23    | 0.59  | 197   | 0.134 | 1     | 1.98  | 0.009 | 0.42  | 0.1   | 0.01  | 2.2   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1230725 | Soil                             | 30    | 0.50  | 207   | 0.060 | 1     | 2.01  | 0.010 | 0.07  | 0.1   | 0.02  | 3.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1230726 | Soil                             | 34    | 0.55  | 243   | 0.082 | <1    | 1.82  | 0.009 | 0.10  | 0.2   | 0.02  | 5.4   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1230727 | Soil                             | 13    | 0.52  | 145   | 0.136 | <1    | 1.69  | 0.008 | 0.49  | 0.1   | 0.01  | 1.9   | 0.5   | <0.05 | 7     | <0.5  | <0.2  |
| 1230728 | Soil                             | 18    | 0.92  | 194   | 0.184 | <1    | 2.34  | 0.010 | 0.81  | 0.2   | 0.01  | 1.9   | 0.7   | <0.05 | 9     | <0.5  | <0.2  |
| 1230729 | Soil                             | 26    | 0.73  | 167   | 0.133 | <1    | 2.14  | 0.009 | 0.51  | 0.2   | 0.01  | 2.3   | 0.4   | <0.05 | 7     | 0.6   | <0.2  |
| 1230730 | Soil                             | 20    | 0.86  | 167   | 0.164 | 2     | 2.52  | 0.007 | 0.81  | 0.1   | 0.01  | 2.1   | 0.7   | <0.05 | 9     | <0.5  | <0.2  |
| 1230731 | Soil                             | 28    | 0.48  | 167   | 0.066 | <1    | 1.86  | 0.008 | 0.12  | 0.1   | 0.02  | 2.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1230732 | Soil                             | 15    | 0.63  | 179   | 0.103 | <1    | 1.79  | 0.008 | 0.55  | 0.1   | 0.02  | 3.3   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Goldstrike Resources (Petro One Energy Co**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method | Analyte | Unit | MDL  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |       |     |
|---------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----|
|         |        |         |      |      | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca   | P     | La  |
|         |        |         |      |      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %    | %     | ppm |
|         |        |         |      |      | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01 | 0.001 | 1   |
| 1230733 | Soil   |         | 0.4  | 16.5 | 6.5   | 78    | <0.1  | 11.4  | 7.2   | 194   | 2.81  | 5.9   | 1.5   | 16.2  | 16    | <0.1  | 0.4   | 0.2   | 44    | 0.16  | 0.027 | 37   |       |     |
| 1230734 | Soil   |         | 0.6  | 6.6  | 7.1   | 46    | <0.1  | 9.1   | 7.1   | 302   | 2.91  | 4.1   | 1.4   | 17.1  | 18    | <0.1  | 0.2   | 0.3   | 46    | 0.23  | 0.081 | 50   |       |     |
| 1230735 | Soil   |         | 0.7  | 9.1  | 6.1   | 51    | <0.1  | 11.8  | 7.0   | 197   | 2.63  | 6.3   | <0.5  | 13.6  | 13    | <0.1  | 0.3   | 0.1   | 43    | 0.12  | 0.031 | 21   |       |     |
| 1230736 | Soil   |         | 0.8  | 14.3 | 6.8   | 52    | <0.1  | 16.9  | 8.4   | 246   | 2.89  | 8.9   | 1.7   | 7.9   | 18    | 0.1   | 0.4   | 0.1   | 51    | 0.20  | 0.031 | 11   |       |     |
| 1230737 | Soil   |         | 0.6  | 11.1 | 6.4   | 60    | <0.1  | 14.5  | 10.0  | 386   | 3.59  | 7.8   | 1.2   | 6.4   | 20    | <0.1  | 0.4   | 0.1   | 61    | 0.26  | 0.061 | 13   |       |     |
| 1230738 | Soil   |         | 0.3  | 13.3 | 5.5   | 58    | <0.1  | 9.9   | 7.5   | 314   | 3.62  | 4.7   | 0.9   | 19.6  | 15    | <0.1  | 0.3   | 0.2   | 47    | 0.19  | 0.037 | 42   |       |     |
| 1230739 | Soil   |         | 0.5  | 8.6  | 6.0   | 59    | <0.1  | 9.6   | 8.1   | 345   | 3.48  | 3.9   | <0.5  | 26.7  | 13    | <0.1  | 0.2   | 0.1   | 48    | 0.13  | 0.045 | 102  |       |     |
| 1230740 | Soil   |         | 0.4  | 12.1 | 6.5   | 56    | <0.1  | 10.4  | 7.9   | 287   | 3.02  | 5.9   | 1.2   | 19.0  | 16    | <0.1  | 0.4   | 0.1   | 42    | 0.18  | 0.029 | 41   |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
|         |        |         |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |     |
| 1230923 | Soil   |         | 0.5  | 23.8 | 6.8   | 52    | <0.1  | 20.5  | 8.6   | 192   | 2.37  | 5.1   | 2.7   | 4.3   | 15    | <0.1  | 0.3   | <0.1  | 47    | 0.20  | 0.041 | 15   |       |     |
| 1230924 | Soil   |         | 0.5  | 25.9 | 8.1   | 57    | <0.1  | 23.2  | 9.7   | 301   | 2.57  | 7.8   | 4.1   | 5.3   | 19    | <0.1  | 0.4   | 0.1   | 50    | 0.23  | 0.041 | 14   |       |     |
| 1230925 | Soil   |         | 0.4  | 19.3 | 9.2   | 59    | <0.1  | 15.5  | 6.3   | 218   | 2.33  | 5.5   | 2.0   | 10.2  | 13    | 0.2   | 0.4   | 0.2   | 35    | 0.14  | 0.019 | 38   |       |     |
| 1230926 | Soil   |         | 0.4  | 42.0 | 5.5   | 66    | 0.3   | 26.4  | 10.7  | 414   | 2.89  | 2.6   | 1.0   | 1.7   | 17    | 0.2   | 0.3   | <0.1  | 64    | 0.25  | 0.047 | 6    |       |     |
| 1230927 | Soil   |         | 0.4  | 48.6 | 5.3   | 92    | <0.1  | 47.4  | 15.8  | 494   | 3.51  | 5.3   | 0.9   | 1.6   | 12    | <0.1  | 0.3   | <0.1  | 79    | 0.16  | 0.019 | 5    |       |     |
| 1230928 | Soil   |         | 0.7  | 14.7 | 7.1   | 70    | <0.1  | 12.4  | 8.4   | 130   | 3.08  | 4.5   | 1.4   | 5.1   | 13    | 0.1   | 0.3   | 0.1   | 44    | 0.24  | 0.065 | 17   |       |     |
| 1230929 | Soil   |         | 0.3  | 94.1 | 4.1   | 50    | <0.1  | 28.0  | 14.9  | 252   | 2.70  | 6.1   | 4.4   | 3.0   | 17    | <0.1  | 0.4   | <0.1  | 79    | 0.29  | 0.025 | 13   |       |     |
| 1230930 | Soil   |         | 0.6  | 42.2 | 9.4   | 64    | 0.3   | 33.8  | 12.3  | 215   | 3.11  | 7.5   | 0.9   | 5.0   | 14    | 0.1   | 0.4   | 0.2   | 71    | 0.26  | 0.018 | 18   |       |     |
| 1230931 | Soil   |         | 0.5  | 28.5 | 12.1  | 48    | 0.4   | 36.1  | 10.3  | 808   | 2.34  | 8.5   | 3.6   | 4.3   | 75    | 0.2   | 0.5   | 0.1   | 39    | 3.77  | 0.056 | 31   |       |     |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Goldstrike Resources (Petro One Energy Co)**  
1300 - 111 West Georgia Street  
Vancouver BC V6E 4M3 Canada

Project: Rosebud  
Report Date: November 14, 2011

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## CERTIFICATE OF ANALYSIS

WHI11001416.1

|         | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|         |                                  | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|         |                                  | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 1230733 | Soil                             | 21    | 0.51  | 138   | 0.096 | <1    | 1.71  | 0.011 | 0.42  | <0.1  | <0.01 | 3.4   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 1230734 | Soil                             | 17    | 0.50  | 169   | 0.089 | <1    | 1.92  | 0.008 | 0.53  | 0.1   | 0.02  | 3.3   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 1230735 | Soil                             | 19    | 0.43  | 163   | 0.113 | <1    | 1.64  | 0.014 | 0.39  | 0.2   | <0.01 | 2.9   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1230736 | Soil                             | 25    | 0.56  | 176   | 0.117 | <1    | 1.88  | 0.008 | 0.41  | 0.1   | 0.02  | 2.5   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1230737 | Soil                             | 24    | 0.77  | 186   | 0.147 | <1    | 2.04  | 0.010 | 0.71  | 0.2   | 0.01  | 3.3   | 0.5   | <0.05 | 8     | <0.5  | <0.2  |
| 1230738 | Soil                             | 15    | 0.63  | 159   | 0.145 | 1     | 1.89  | 0.010 | 0.79  | 0.1   | 0.02  | 3.3   | 0.5   | <0.05 | 9     | <0.5  | <0.2  |
| 1230739 | Soil                             | 16    | 0.54  | 190   | 0.129 | <1    | 2.08  | 0.009 | 0.70  | 0.1   | 0.02  | 4.5   | 0.6   | <0.05 | 10    | <0.5  | <0.2  |
| 1230740 | Soil                             | 16    | 0.59  | 159   | 0.139 | 1     | 1.81  | 0.010 | 0.72  | <0.1  | 0.03  | 2.5   | 0.6   | <0.05 | 8     | <0.5  | <0.2  |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1230923 | Soil                             | 44    | 0.72  | 274   | 0.097 | 1     | 1.62  | 0.010 | 0.17  | <0.1  | 0.02  | 3.9   | 0.1   | <0.05 | 4     | <0.5  | <0.2  |
| 1230924 | Soil                             | 36    | 0.60  | 421   | 0.094 | 2     | 1.65  | 0.012 | 0.19  | 0.1   | 0.02  | 4.0   | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| 1230925 | Soil                             | 21    | 0.37  | 328   | 0.111 | <1    | 1.52  | 0.012 | 0.22  | 0.1   | 0.01  | 4.5   | 0.3   | <0.05 | 4     | <0.5  | <0.2  |
| 1230926 | Soil                             | 78    | 1.14  | 575   | 0.159 | <1    | 2.02  | 0.012 | 0.43  | <0.1  | 0.01  | 3.0   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 1230927 | Soil                             | 156   | 1.78  | 715   | 0.214 | 1     | 2.81  | 0.009 | 1.01  | 0.2   | 0.01  | 2.1   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 1230928 | Soil                             | 19    | 0.75  | 339   | 0.141 | 1     | 2.31  | 0.007 | 0.35  | <0.1  | 0.01  | 5.1   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1230929 | Soil                             | 34    | 1.06  | 288   | 0.121 | 1     | 1.93  | 0.019 | 0.16  | <0.1  | 0.01  | 4.1   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 1230930 | Soil                             | 33    | 0.84  | 135   | 0.116 | 2     | 2.22  | 0.008 | 0.12  | <0.1  | 0.02  | 6.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1230931 | Soil                             | 25    | 0.51  | 285   | 0.043 | <1    | 1.32  | 0.012 | 0.06  | 0.1   | 0.05  | 7.1   | <0.1  | <0.05 | 3     | <0.5  | <0.2  |



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

Goldstrike Resources (Petro One Energy Co

1300 - 111 West Georgia Street

Vancouver BC V6E 4M3 Canada

Project:

Rosebud

Report Date:

November 14, 2011

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Part 1

## QUALITY CONTROL REPORT

WHI11001416.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      | La    |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      | ppm   |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  | 1     |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |
| 1231230             | Soil                             | 0.5   | 49.8  | 9.0   | 85    | <0.1  | 84.4  | 16.8  | 472   | 4.19  | 8.7   | 1.4   | 25.2  | 14    | 0.1   | 0.2   | 0.2   | 101   | 0.17  | 0.018  | 160   |
| REP 1231230         | QC                               | 0.5   | 50.9  | 9.4   | 89    | <0.1  | 88.4  | 17.3  | 479   | 4.29  | 8.9   | 1.3   | 25.5  | 15    | <0.1  | 0.2   | 0.2   | 103   | 0.18  | 0.017  | 164   |
| 1231247             | Soil                             | 0.4   | 35.9  | 11.2  | 108   | <0.1  | 27.5  | 9.8   | 654   | 3.41  | 3.6   | 0.8   | 12.1  | 20    | <0.1  | 0.4   | 0.3   | 56    | 0.31  | 0.063  | 42    |
| REP 1231247         | QC                               | 0.4   | 34.4  | 10.8  | 102   | <0.1  | 25.4  | 9.1   | 625   | 3.20  | 3.6   | 0.9   | 11.7  | 19    | 0.1   | 0.3   | 0.3   | 51    | 0.30  | 0.066  | 41    |
| 1230628             | Soil                             | 0.6   | 23.8  | 7.4   | 43    | <0.1  | 14.5  | 7.4   | 216   | 2.25  | 5.9   | 3.6   | 10.6  | 22    | <0.1  | 0.4   | 0.1   | 44    | 0.29  | 0.037  | 32    |
| REP 1230628         | QC                               | 0.5   | 23.5  | 7.4   | 42    | <0.1  | 14.2  | 7.1   | 206   | 2.06  | 5.7   | 4.0   | 9.6   | 21    | <0.1  | 0.4   | 0.1   | 41    | 0.26  | 0.036  | 30    |
| 1230643             | Soil                             | 0.8   | 31.4  | 9.3   | 57    | 0.1   | 27.5  | 8.7   | 288   | 2.26  | 8.7   | 3.1   | 6.1   | 32    | 0.1   | 0.8   | 0.2   | 47    | 0.47  | 0.058  | 19    |
| REP 1230643         | QC                               | 0.8   | 31.5  | 9.7   | 60    | 0.1   | 27.2  | 9.0   | 296   | 2.35  | 8.8   | 2.8   | 6.2   | 32    | 0.2   | 0.8   | 0.2   | 49    | 0.49  | 0.059  | 20    |
| 1231024             | Soil                             | 0.4   | 31.6  | 7.7   | 48    | 0.1   | 15.9  | 6.8   | 178   | 2.04  | 4.0   | 3.1   | 5.5   | 16    | <0.1  | 0.2   | 0.1   | 42    | 0.25  | 0.036  | 26    |
| REP 1231024         | QC                               | 0.4   | 31.8  | 7.5   | 47    | <0.1  | 17.0  | 6.5   | 175   | 1.99  | 3.7   | 4.4   | 5.4   | 15    | <0.1  | 0.2   | 0.1   | 41    | 0.23  | 0.037  | 25    |
| 1231042             | Soil                             | 0.5   | 31.5  | 5.2   | 61    | <0.1  | 48.4  | 17.8  | 425   | 4.29  | 19.1  | <0.5  | 3.5   | 16    | 0.2   | 0.3   | <0.1  | 65    | 0.27  | 0.054  | 5     |
| REP 1231042         | QC                               | 0.5   | 30.3  | 5.4   | 60    | <0.1  | 47.2  | 17.7  | 400   | 4.24  | 19.0  | 2.4   | 3.5   | 15    | <0.1  | 0.3   | <0.1  | 64    | 0.26  | 0.056  | 5     |
| 1230731             | Soil                             | 0.7   | 16.4  | 8.2   | 48    | <0.1  | 20.0  | 8.1   | 201   | 2.69  | 11.1  | 0.8   | 4.7   | 16    | <0.1  | 0.5   | 0.2   | 52    | 0.15  | 0.025  | 9     |
| REP 1230731         | QC                               | 0.8   | 17.0  | 8.3   | 49    | <0.1  | 20.3  | 8.3   | 200   | 2.80  | 11.0  | 2.0   | 4.8   | 16    | <0.1  | 0.5   | 0.2   | 51    | 0.15  | 0.026  | 9     |
| 1230930             | Soil                             | 0.6   | 42.2  | 9.4   | 64    | 0.3   | 33.8  | 12.3  | 215   | 3.11  | 7.5   | 0.9   | 5.0   | 14    | 0.1   | 0.4   | 0.2   | 71    | 0.26  | 0.018  | 18    |
| REP 1230930         | QC                               | 0.6   | 43.9  | 9.7   | 63    | 0.3   | 34.3  | 12.3  | 238   | 3.13  | 8.1   | 2.8   | 5.1   | 14    | <0.1  | 0.4   | 0.2   | 72    | 0.26  | 0.019  | 19    |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |
| STD DS8             | Standard                         | 12.7  | 104.3 | 119.4 | 300   | 1.7   | 33.6  | 6.9   | 598   | 2.40  | 23.9  | 103.4 | 6.7   | 68    | 2.4   | 5.2   | 6.8   | 38    | 0.67  | 0.074  | 14    |
| STD DS8             | Standard                         | 13.4  | 109.0 | 119.3 | 307   | 1.7   | 36.7  | 7.4   | 596   | 2.38  | 24.7  | 112.5 | 7.2   | 70    | 2.2   | 5.2   | 6.3   | 41    | 0.70  | 0.077  | 16    |
| STD DS8             | Standard                         | 12.5  | 103.9 | 123.7 | 298   | 1.8   | 35.5  | 7.2   | 601   | 2.39  | 24.2  | 110.2 | 6.7   | 69    | 2.2   | 5.7   | 6.5   | 40    | 0.66  | 0.077  | 15    |
| STD DS8             | Standard                         | 12.8  | 108.3 | 117.7 | 300   | 1.6   | 37.1  | 7.5   | 598   | 2.39  | 24.1  | 96.8  | 6.4   | 64    | 2.2   | 5.0   | 6.0   | 40    | 0.65  | 0.075  | 15    |
| STD DS8             | Standard                         | 12.8  | 102.1 | 117.4 | 288   | 1.6   | 35.5  | 7.1   | 562   | 2.24  | 23.4  | 110.6 | 6.8   | 66    | 2.5   | 5.3   | 6.0   | 40    | 0.65  | 0.073  | 16    |
| STD DS8 Expected    |                                  | 13.44 | 110   | 123   | 312   | 1.69  | 38.1  | 7.5   | 615   | 2.46  | 26    | 107   | 6.89  | 67.7  | 2.38  | 5.7   | 6.67  | 41.1  | 0.7   | 0.08   | 14.6  |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 | <1    |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 | <1    |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 | <1    |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 | <1    |
| BLK                 | Blank                            | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 | <1    |



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

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Part 2

## QUALITY CONTROL REPORT

WHI11001416.1

|                     | Method   | Analyte | Unit  | MDL | 1DX15  | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |     |      |     |
|---------------------|----------|---------|-------|-----|--------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-----|------|-----|
|                     |          |         |       |     | Cr     | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S      | Ga  | Se   | Te  |
|                     |          |         |       |     | ppm    | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm | ppm  | ppm |
|                     |          |         |       |     | 1      | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1   | 0.5  | 0.2 |
| Pulp Duplicates     |          |         |       |     |        |        |       |        |       |       |        |       |       |       |       |       |        |     |      |     |
| 1231230             | Soil     | 167     | 1.92  | 277 | 0.130  | <1     | 3.15  | 0.005  | 0.29  | <0.1  | 0.02   | 7.6   | 0.2   | <0.05 | 13    | 0.5   | <0.2   |     |      |     |
| REP 1231230         | QC       | 169     | 1.94  | 280 | 0.135  | <1     | 3.18  | 0.006  | 0.31  | <0.1  | 0.02   | 7.7   | 0.2   | <0.05 | 13    | <0.5  | <0.2   |     |      |     |
| 1231247             | Soil     | 39      | 0.97  | 442 | 0.186  | <1     | 2.00  | 0.008  | 0.91  | <0.1  | 0.03   | 3.5   | 0.5   | <0.05 | 6     | <0.5  | <0.2   |     |      |     |
| REP 1231247         | QC       | 37      | 0.93  | 412 | 0.165  | 1      | 1.80  | 0.008  | 0.83  | <0.1  | 0.04   | 3.1   | 0.4   | <0.05 | 6     | <0.5  | <0.2   |     |      |     |
| 1230628             | Soil     | 25      | 0.41  | 248 | 0.099  | <1     | 1.35  | 0.015  | 0.13  | 0.1   | 0.02   | 3.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2   |     |      |     |
| REP 1230628         | QC       | 24      | 0.41  | 231 | 0.087  | <1     | 1.31  | 0.010  | 0.13  | 0.1   | 0.02   | 3.3   | 0.1   | <0.05 | 4     | <0.5  | <0.2   |     |      |     |
| 1230643             | Soil     | 32      | 0.52  | 313 | 0.076  | <1     | 1.38  | 0.022  | 0.12  | 0.2   | 0.04   | 3.9   | 0.1   | <0.05 | 4     | 0.6   | <0.2   |     |      |     |
| REP 1230643         | QC       | 33      | 0.55  | 317 | 0.081  | 1      | 1.45  | 0.016  | 0.12  | 0.2   | 0.03   | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2   |     |      |     |
| 1231024             | Soil     | 30      | 0.52  | 239 | 0.076  | <1     | 1.31  | 0.016  | 0.16  | 0.1   | 0.02   | 2.8   | 0.2   | <0.05 | 5     | <0.5  | <0.2   |     |      |     |
| REP 1231024         | QC       | 30      | 0.52  | 227 | 0.075  | <1     | 1.28  | 0.009  | 0.16  | 0.1   | 0.02   | 2.7   | 0.2   | <0.05 | 5     | <0.5  | <0.2   |     |      |     |
| 1231042             | Soil     | 33      | 1.13  | 212 | 0.178  | <1     | 2.66  | 0.008  | 0.77  | 0.1   | 0.01   | 2.2   | 0.4   | <0.05 | 6     | <0.5  | <0.2   |     |      |     |
| REP 1231042         | QC       | 34      | 1.13  | 209 | 0.170  | <1     | 2.70  | 0.008  | 0.74  | 0.1   | <0.01  | 2.0   | 0.3   | <0.05 | 6     | <0.5  | <0.2   |     |      |     |
| 1230731             | Soil     | 28      | 0.48  | 167 | 0.066  | <1     | 1.86  | 0.008  | 0.12  | 0.1   | 0.02   | 2.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2   |     |      |     |
| REP 1230731         | QC       | 27      | 0.50  | 167 | 0.066  | <1     | 2.00  | 0.008  | 0.13  | 0.1   | 0.02   | 2.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2   |     |      |     |
| 1230930             | Soil     | 33      | 0.84  | 135 | 0.116  | 2      | 2.22  | 0.008  | 0.12  | <0.1  | 0.02   | 6.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2   |     |      |     |
| REP 1230930         | QC       | 33      | 0.87  | 145 | 0.118  | 1      | 2.34  | 0.009  | 0.12  | <0.1  | 0.02   | 6.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2   |     |      |     |
| Reference Materials |          |         |       |     |        |        |       |        |       |       |        |       |       |       |       |       |        |     |      |     |
| STD DS8             | Standard | 106     | 0.58  | 289 | 0.105  | 2      | 0.94  | 0.107  | 0.44  | 2.8   | 0.18   | 3.1   | 5.4   | 0.15  | 5     | 4.8   | 4.6    |     |      |     |
| STD DS8             | Standard | 112     | 0.61  | 284 | 0.119  | 3      | 1.02  | 0.096  | 0.42  | 3.0   | 0.18   | 3.1   | 5.2   | 0.12  | 5     | 3.5   | 5.0    |     |      |     |
| STD DS8             | Standard | 114     | 0.58  | 275 | 0.123  | 3      | 0.89  | 0.096  | 0.41  | 2.9   | 0.20   | 2.8   | 5.2   | 0.12  | 5     | 4.7   | 5.0    |     |      |     |
| STD DS8             | Standard | 113     | 0.57  | 260 | 0.111  | 3      | 0.90  | 0.101  | 0.42  | 2.8   | 0.17   | 2.4   | 5.0   | 0.16  | 5     | 4.1   | 5.1    |     |      |     |
| STD DS8             | Standard | 105     | 0.57  | 275 | 0.113  | 3      | 0.91  | 0.100  | 0.40  | 2.5   | 0.20   | 2.4   | 5.0   | 0.11  | 5     | 5.0   | 4.6    |     |      |     |
| STD DS8 Expected    |          |         |       |     | 115    | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7 | 5.23 | 5   |
| BLK                 | Blank    | <1      | <0.01 | <1  | <0.001 | <1     | <0.01 | <0.001 | <0.01 | <0.1  | <0.01  | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2   |     |      |     |
| BLK                 | Blank    | <1      | <0.01 | <1  | <0.001 | <1     | <0.01 | <0.001 | <0.01 | <0.1  | <0.01  | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2   |     |      |     |
| BLK                 | Blank    | <1      | <0.01 | <1  | <0.001 | <1     | <0.01 | <0.001 | <0.01 | <0.1  | <0.01  | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2   |     |      |     |
| BLK                 | Blank    | <1      | <0.01 | <1  | <0.001 | <1     | <0.01 | <0.001 | <0.01 | <0.1  | <0.01  | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2   |     |      |     |
| BLK                 | Blank    | <1      | <0.01 | <1  | <0.001 | <1     | <0.01 | <0.001 | <0.01 | <0.1  | <0.01  | <0.1  | <0.1  | <0.05 | <1    | <0.5  | <0.2   |     |      |     |

**APPENDIX 5 – STATEMENT OF QUALIFICATIONS, R. SHELDRAKE**

I, **Ronald F. Sheldrake**, do certify that:

1. I received my B.Sc. in Geophysics from the University of British Columbia in 1974.
2. I have practised the profession of exploration geophysics in excess of thirty years.
3. I have held senior management positions with World Geoscience Inc.
4. I was past owner of Apex Airborne Surveys Ltd.
5. This report is written solely by Ronald F. Sheldrake, except where other credit is given.
6. I have no interest in, either direct, indirect or contingent in Druid Explorations Inc. or Goldstrike Resources Ltd. or any of their associated companies.

May 2012



Ronald F. Sheldrake  
EarthWorks Geophysical Consultants  
White Rock, B.C.