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# ASSESSMENT REPORT

describing

# DIAMOND DRILLING

at the

# ROSY PROPERTY

| | |
|---|---|
| Rosy 1-20 | YC18054-YC18073 |
| 21-30 | YC18159-YC18168 |
| 31-90 | YC83534-YC83593 |

NTS 105C/13
Latitude 60°56'N; Longitude 133°45'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**ATAC RESOURCES LTD.**
and
**BONAPARTE CAPITAL CORP.**

by

H. Smith, B.Sc., P.Geo.
September 2010

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## INTRODUCTION

The Rosy property covers a gold-silver prospect located five kilometres south of the Red Mountain porphyry molybdenum deposit in southern Yukon. The property consists of 90 claims that are owned 100% by ATAC Resources Ltd. subject to an option agreement with Bonaparte Capital Corp.

This report describes a diamond drill program conducted between July 9 and 23, 2010. The program was supervised by Archer, Cathro & Associates (1981) Limited with funding by Bonaparte. The author directed the program and her Statement of Qualifications appear in Appendix I.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Rosy property comprises 90 contiguous mineral claims located 77 km east-northeast of Whitehorse in southern Yukon at latitude 60º56'N and longitude 133º45'W on NTS 105C/13, as shown on Figure 1. The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for ATAC. Claim data are listed below while the locations of individual claims are illustrated on Figure 2.

| Claim Name | Grant Number | Expiry Date* |
|---|---|---|
| Rosy 1-20 | YC18054-YC18073 | March 21, 2018 |
| 21-30 | YC18159-YC18168 | March 21, 2018 |
| 31-90 | YC83534-YC83593 | March 21, 2013 |

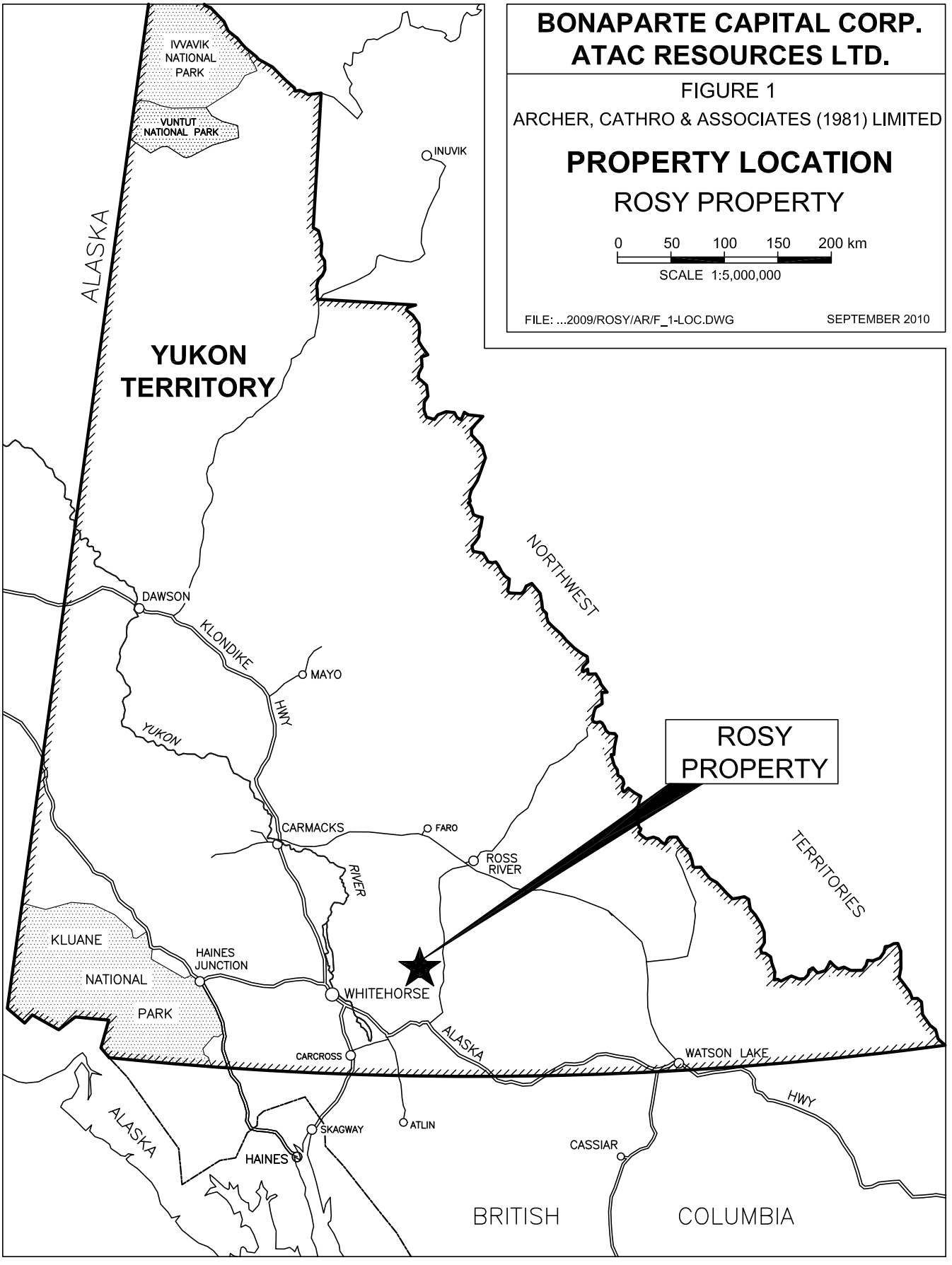
* Expiry dates do not include 2010 work that has not yet been filed for assessment credit.

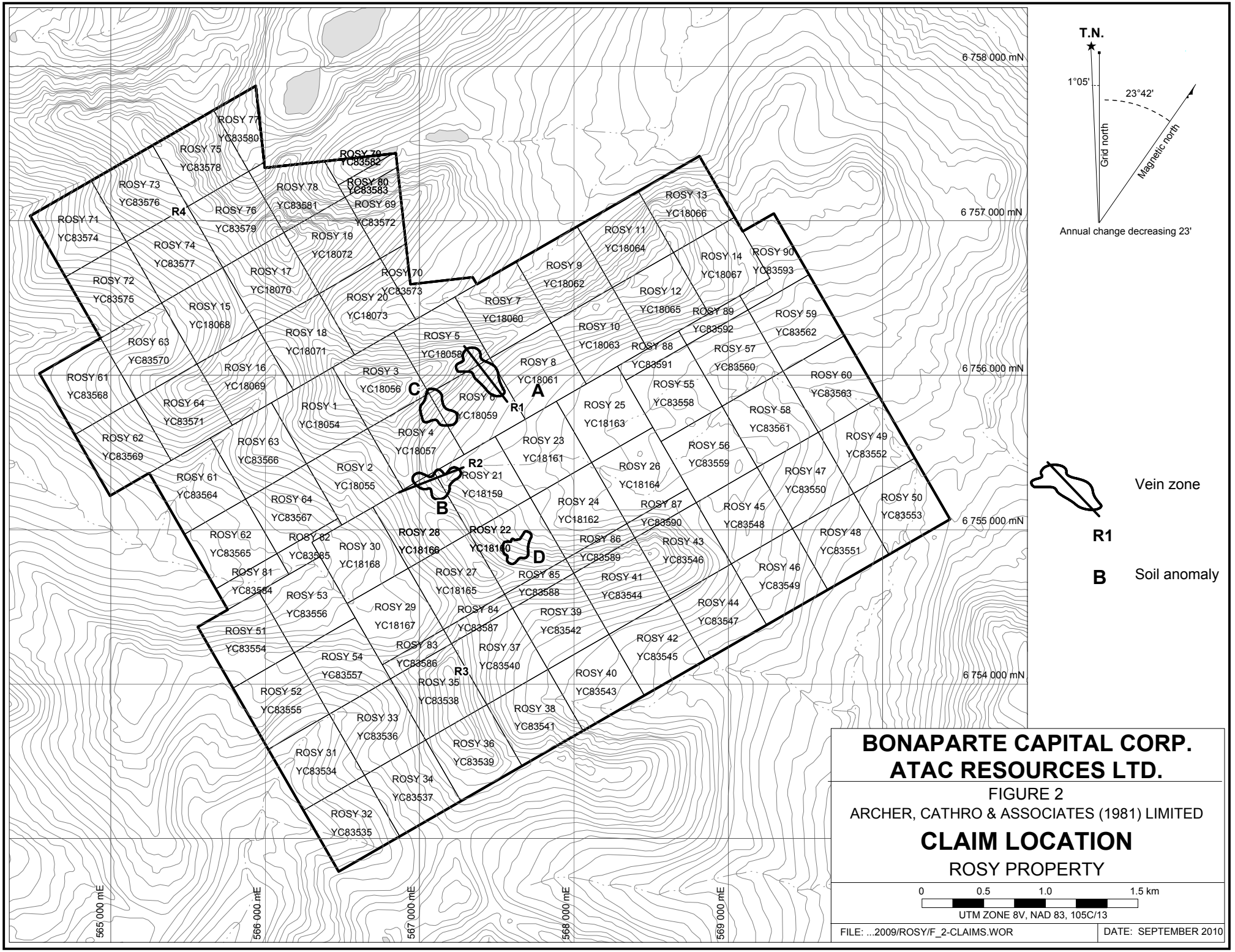
In 2010, the crew stayed in Whitehorse and mobilized to and from the property daily using a Bell 206B helicopter or a Robertson R44 helicopter, both owned and operated by Capital Helicopters (1995) Inc. of Whitehorse.

The drill was mobilized and demobilized from a large clearing on the Sydney Creek trail, about 30 km southeast of the property. An abandoned winter road extends northwest from the Sydney Creek trail to the Red Mountain Deposit, passing through the east side of the Rosy property. That trail has been permitted for upgrade to a road route by the operators of the Red Mountain property, but road construction has not yet begun.

## HISTORY

The first recorded activity in the vicinity of the Rosy property occurred in 1935 when silver-lead-zinc veins on the edge of the Red Mountain porphyry molybdenum deposit were staked. These occurrences consist of galena and sphalerite in quartz-carbonate veins cutting metasedimentary rocks. They have been staked and explored by a number of operators over the years and are currently owned by another party.


BONAPARTE CAPITAL CORP.
ATAC RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
ROSY PROPERTY
0 50 100 150 200 km
SCALE 1:5,000,000
FILE: ...2009/ROSY/AR/F_1-LOC.DWG
SEPTEMBER 2010
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
INUVIK
ALASKA
YUKON TERRITORY
NORTHWEST
TERRITORIES
DAWSON
KLONDIKE
HWY
MAYO
YUKON
ROSY PROPERTY
CARMACKS
FARO
ROSS RIVER
RIVER
KLUANE NATIONAL PARK
HAINES JUNCTION
WHITEHORSE
ALASKA
CARCROSS
WATSON LAKE
HWY
ALASKA
SKAGWAY
ATLIN
HAINES
CASSIAR
BRITISH COLUMBIA


T.N.
1°05'
23°42'
Grid north
Magnetic north
Annual change decreasing 23'
6 758 000 mN
6 757 000 mN
6 756 000 mN
6 755 000 mN
6 754 000 mN
565 000 mE
566 000 mE
567 000 mE
568 000 mE
569 000 mE
ROSY 77 YC83580
ROSY 75 YC83578
ROSY 79 YC83582
ROSY 73 YC83576
ROSY 78 YC83581
ROSY 80 YC83583
ROSY 69 YC83572
ROSY 71 YC83574
R4
ROSY 76 YC83579
ROSY 74 YC83577
ROSY 19 YC18072
ROSY 72 YC83575
ROSY 17 YC18070
ROSY 70 YC83573
ROSY 20 YC18073
ROSY 15 YC18068
ROSY 18 YC18071
ROSY 63 YC83570
ROSY 16 YC18069
ROSY 3 YC18056
ROSY 61 YC83568
ROSY 64 YC83571
ROSY 1 YC18054
ROSY 62 YC83569
ROSY 63 YC83566
ROSY 2 YC18055
ROSY 61 YC83564
ROSY 64 YC83567
ROSY 62 YC83565
ROSY 82 YC83585
ROSY 30 YC18168
ROSY 81 YC83584
ROSY 53 YC83556
ROSY 29 YC18167
ROSY 51 YC83554
ROSY 54 YC83557
ROSY 52 YC83555
ROSY 33 YC83536
ROSY 31 YC83534
ROSY 34 YC83537
ROSY 32 YC83535
ROSY 13 YC18066
ROSY 11 YC18064
ROSY 14 YC18067
ROSY 90 YC83593
ROSY 9 YC18062
ROSY 12 YC18065
ROSY 7 YC18060
ROSY 89 YC83592
ROSY 59 YC83562
ROSY 10 YC18063
ROSY 88 YC83591
ROSY 57 YC83560
ROSY 5 YC18058
ROSY 8 YC18061
ROSY 60 YC83563
ROSY 55 YC83558
ROSY 6 YC18059
ROSY 25 YC18163
ROSY 58 YC83561
ROSY 4 YC18057
ROSY 23 YC18161
ROSY 56 YC83559
ROSY 49 YC83552
ROSY 21 YC18159
ROSY 26 YC18164
ROSY 47 YC83550
ROSY 24 YC18162
ROSY 87 YC83590
ROSY 45 YC83548
ROSY 50 YC83553
ROSY 28 YC18166
ROSY 22 YC18160
ROSY 86 YC83589
ROSY 43 YC83546
ROSY 48 YC83551
ROSY 27 YC18165
ROSY 85 YC83588
ROSY 41 YC83544
ROSY 46 YC83549
ROSY 84 YC83587
ROSY 39 YC83542
ROSY 44 YC83547
ROSY 83 YC83586
ROSY 37 YC83540
ROSY 42 YC83545
ROSY 35 YC83538
ROSY 40 YC83543
ROSY 38 YC83541
ROSY 36 YC83539
A
B
C
D
R1
R2
R3
Vein zone
R1
B
Soil anomaly
BONAPARTE CAPITAL CORP.
ATAC RESOURCES LTD.
FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
CLAIM LOCATION
ROSY PROPERTY
0 0.5 1.0 1.5 km
UTM ZONE 8V, NAD 83, 105C/13
FILE: ...2009/ROSY/F_2-CLAIMS.WOR
DATE: SEPTEMBER 2010

The Red Mountain Deposit is marked by a prominent red gossan and comprises quartz stockwork veining associated with a Late Cretaceous quartz monzonite stock. It was first drilled in 1967, but the main exploration program was conducted in the late 1970s by Amoco Canada, which earned a 50% interest from the owner Tintina Mines. Drill indicated reserves are reported to be 170 million tonnes grading 0.167% $MoS_2$, including 19.3 million tonnes averaging 0.293% $MoS_2$ (Deklerk and Traynor, 2005). Gold content is low in the porphyry deposit and is inversely proportional to molybdenum content.

Recent prospecting on the Rosy property discovered numerous very old claim posts that likely date from the 1930s or 1940s. There is no record of this staking or any exploration related to it.

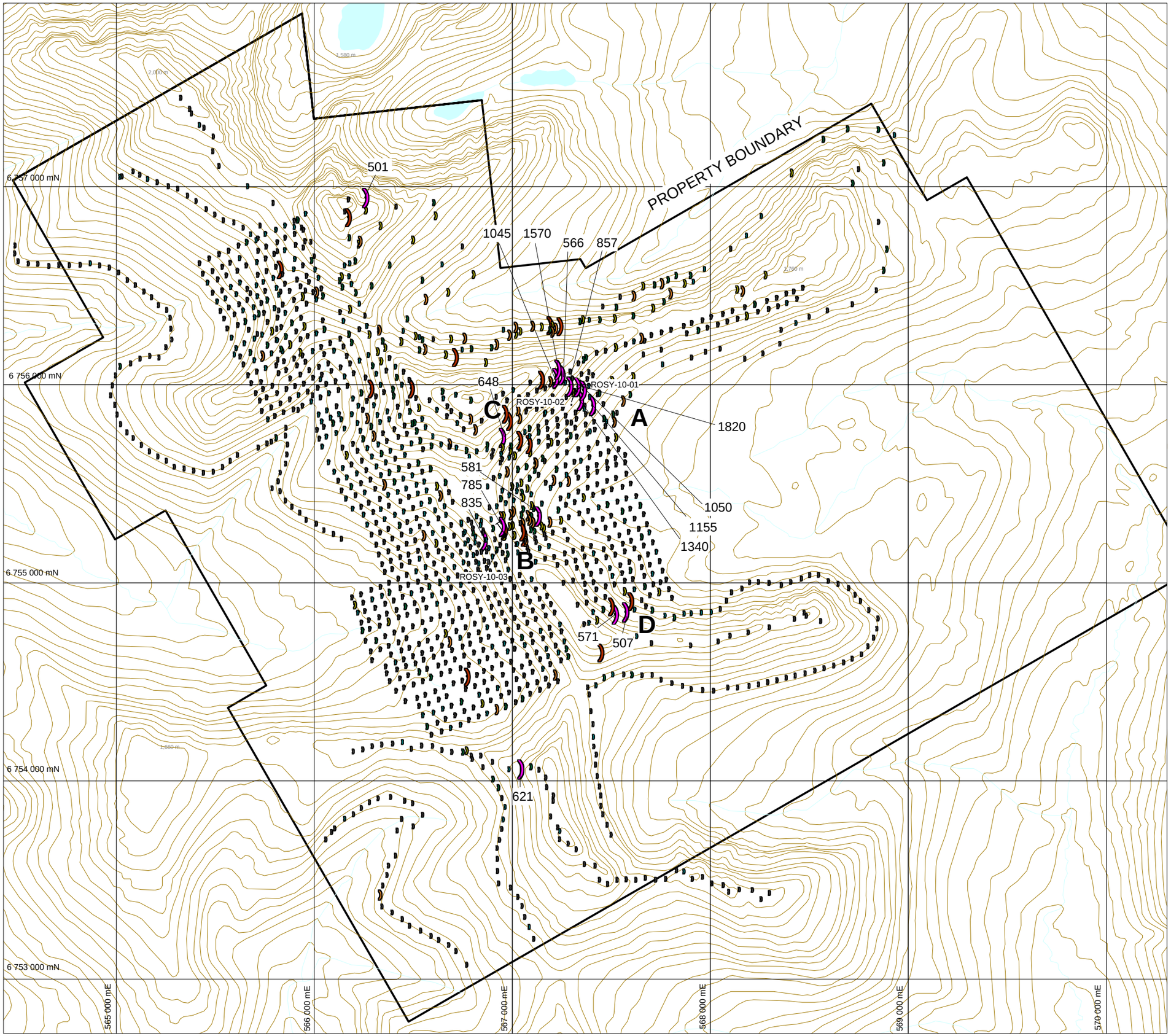
The first reported staking on what is now the Rosy property occurred in July 1986 immediately following the release of geochemical results from a reconnaissance stream sediment sampling program conducted by the Geological Survey of Canada (Open File 517). All-North Resources staked the Was 1-6 claims in the headwaters of a creek, which returned 95$^{th}$ percentile values for gold (36 ppb), arsenic (121 ppm) and antimony (2.8 ppm). Concurrently, Noranda Exploration Company Limited staked the Saw 1-6 claims on a north-facing slope further downstream to cover another part of the anomalous drainage.

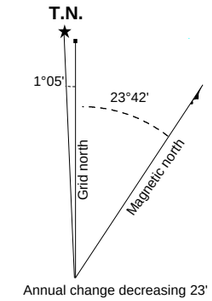
Both All-North and Noranda conducted reconnaissance mapping and soil sampling in 1987. All-North reported quartz vein float that assayed up to 1.3 g/t gold and 102 g/t silver associated with a soil anomaly containing values up to 145 ppb gold and 9 ppm silver (Garagan, 1987). Noranda found quartz-carbonate alteration zones, samples of which returned low values. No further work was done on either property and the claims were allowed to lapse.

ATAC restaked the property in summer 1999 and explored later that year with prospecting and soil geochemistry. That work outlined several veins marked by recessive linears and strongly anomalous gold, silver and arsenic soil geochemical results (Eaton, 1999). ATAC conducted further prospecting and soil geochemical sampling in 2004, which discovered additional veins and expanded the area of anomalous geochemistry (Eaton, 2004).

In September 2007, a property-wide helicopter-borne total field magnetic and versatile time domain electromagnetic (VTEM) survey was conducted on behalf of ATAC. Neither geophysical survey defined specific targets. Total field magnetics showed a strong correlation to geological units (Wengzynowski, 2008). VTEM produced a few discrete conductors, some of which are in the vicinity of mineralized veins, but none of those features is well defined.

Valere Mining Limited optioned the property in spring 2008. The 2008 exploration program comprised geochemical sampling, geological mapping and prospecting (Smith, 2008). This work identified one new vein zone (R1), followed up a known vein zone (R2) and highlighted four gold-in-soil anomalies (A to D). Valere dropped its option in early 2009 and that summer ATAC explored with more soil sampling and prospecting (Smith, 2010). ATAC's exploration resulted in the discovery of two additional vein zones (R3 and R4). The various vein zones and soil geochemical anomalies are described in the following paragraphs. Vein locations are shown of Figure 2. Figures 3 to 5 illustrate thematic gold, silver and arsenic from historical soil sampling.




555 Au value (ppb)

**B** Anomaly

Diamond drill hole

**Au Geochemistry (ppb)**

- ≥500
- ≥200 <500
- ≥100 <200
- ≥50 <100
- ≥20 <50
- ≥10 <20
- ≥0 <10

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**FIGURE 3**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

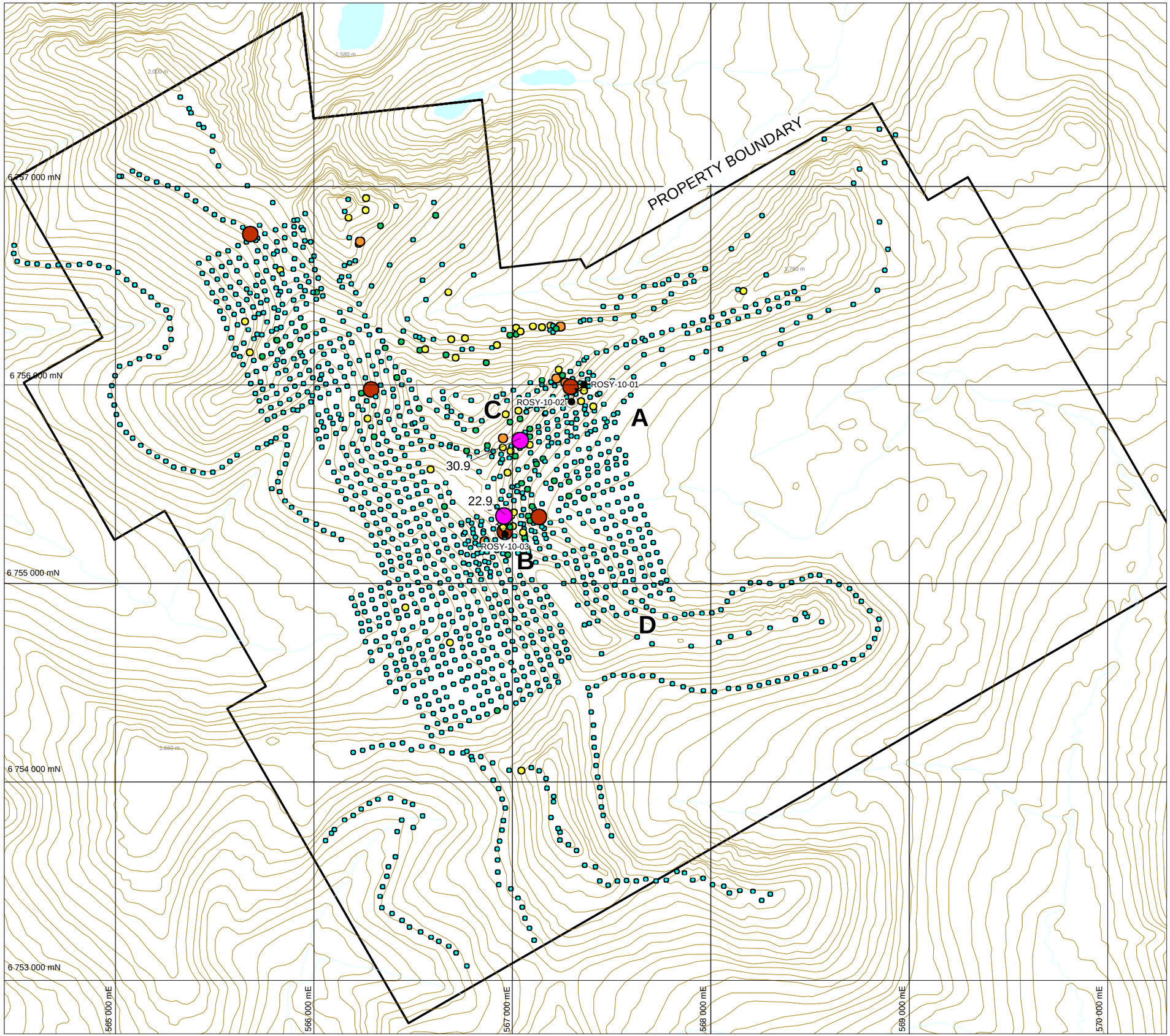
## HISTORICAL GOLD SOIL GEOCHEMISTRY COMPILATION

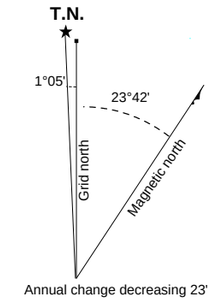
ROSY PROPERTY

0 — 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 20010 | DATE: SEPTEMBER 2010




30.9 Ag value (ppm)

**B** Anomaly

Diamond drill hole

Soil_Geochemistry_Rosy_2008 b

| | | |
|---|---|---|
| 20 to 100,000 | | (2) |
| 10 to | 20 | (3) |
| 5 to | 10 | (2) |
| 2 to | 5 | (21) |
| 1 to | 2 | (30) |
| 0 to | 1 | (989) |

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**FIGURE 4**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

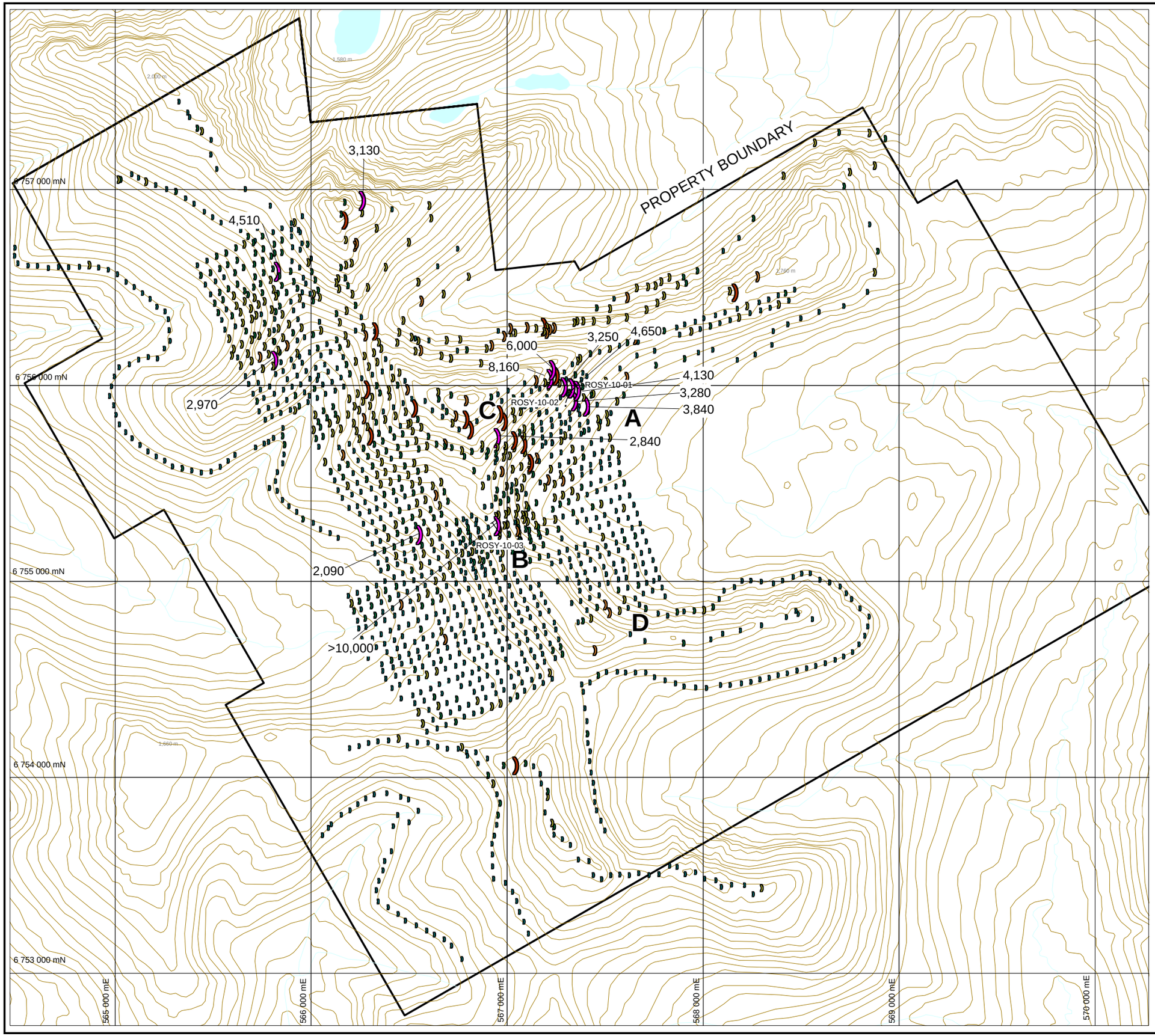
HISTORICAL SILVER SOIL GEOCHEMISTRY COMPILATION

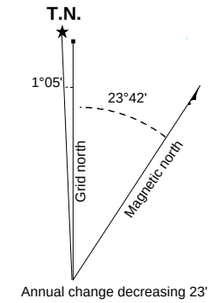
ROSY PROPERTY

0 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 20010 | DATE: SEPTEMBER 2010




3,130 As value (ppm)

**B** Anomaly

Diamond drill hole

**As Geochemistry (ppm)**

≥2,000

≥1,000 <2,000

≥500 <1,000

≥100 <500

≥50 <100

≥0 <50

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**FIGURE 5**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## HISTORICAL ARSENIC SOIL GEOCHEMISTRY COMPILATION

ROSY PROPERTY

0 — 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 20010 | DATE: SEPTEMBER 2010

R1 is a 15 to 20 m wide by 20 m long area of rusty orange soil containing quartz-carbonate vein float and minor amounts of altered intrusive rock. Quartz vein material is typically grey and has rare chalcedonic clots. Mineralization consists of finely disseminated pyrite and arsenopyrite, millimetre-scale stringers of arsenopyrite, minor pyrite cubes and rare limonitic pits. Samples of this vein material returned values ranging from 2140 to 4420 ppb gold while samples of altered intrusive rock hosting centimetre thick clear to white quartz veinlets with minor disseminated pyrite and trace disseminated arsenopyrite yielded 1090 and 1790 ppb gold.

R2 is a 20 m wide area of orange-brown rusty soil containing scattered quartz-carbonate float. The highest historical value from R2 is 35,920 ppb gold. In 2008, five rock samples from R2 returned between 2410 and 5840 ppb gold (Smith, 2008).

R3 comprises two samples taken approximately 200 m apart. The first sample was collected from a saddle on a ridge. It is a two centimetre wide quartz vein with trace calcite and 10% dark brown limonite in fractures. Mineralization in the vein consists of 0.5% disseminated arsenopyrite altering to scorodite. This sample yielded 1.45 g/t gold, 7.7 g/t silver and 8100 ppm arsenic. The other sample was found 200 m west of the ridge crest on a west facing talus slope. It is a quartz-carbonate vein with disseminated pyrite and arsenopyrite that returned 0.536 g/t gold, 1.7 g/t silver and 2260 ppm arsenic.

R4 is situated about 3000 m northwest of R3 in the northwestern part of the property. A talus sample of white quartz vein with a limonitic surface and a core of scorodite with very fine grained disseminated pyrite and arsenopyrite yielded 0.609 g/t gold, 2.5 g/t silver and 2910 ppm arsenic. A second sample of this vein material returned low gold, 39.1 g/t silver and 2040 ppm arsenic.

Anomaly A is 500 m long and forms a linear northwesterly trending band that corresponds to the R1 vein. Eight soil samples taken on a south-facing sidehill returned greater than 500 ppb gold and six of those exceeded 1000 ppb, to a maximum of 1820 ppb gold. To the north, this anomaly extends across a ridge crest onto a cliff-face, which could not be sampled, and from there under a talus- and till- covered valley. To the south, the anomaly projects into a broad silt covered valley. Anomaly B is 350 m long and coincides with the R2 vein. Part of this anomaly is defined by results from a pre-2008 detail grid. The three best soil samples from that grid averaged 670 ppb, with a peak value of 835 ppb gold (Eaton, 2004). The highest value from samples taken in 2008 was 581 ppb gold. Anomaly C lies between Anomalies A and B. It is 250 m long and exhibits a northwesterly trend, sub-parallel to Anomaly A. The maximum value is 648 ppb gold. This anomaly is located near two anomalous rock samples collected during a previous program but a bedrock source has not been identified. Anomaly D comprises a cluster of five soil samples spread over a 300 by 150 m area. The highest sample yielded 571 ppb gold. This anomaly is located in a part of the property where little prospecting and mapping have been done (Smith, 2008).

Bonaparte optioned the Rosy property in spring 2010.

## GEOMORPHOLOGY

The claims cover a series of ridges and glacial valleys, most of which are above tree line. The highest point on the property is a prominent peak located in the northern part of the property, which reaches 2094 m. Elevations elsewhere range between 1300 and 1900 m. North facing slopes are characterized by cliffs and unstable talus. South facing slopes are steep but relatively accessible and feature outcrops separated by grass- or buckbrush-stabilized talus.

Valley floors are generally narrow in their headwaters, where talus encroaches from surrounding slopes, but become broad and relatively flat bottomed further downstream, where they are blanketed by glacial and fluvial material. In the southeast part of the property there is an extensive upland marsh that appears to have formed where an old tarn lake has completely filled with silt. Creeks draining the property all ultimately drain into the Teslin River, which is part of the Yukon River watershed.

## REGIONAL GEOLOGY

The Rosy property lies in a structurally complex area where large faults have juxtaposed various metamorphosed volcanic, sedimentary and intrusive rocks, belonging to the Yukon-Tanana, Slide Mountain, Cassiar, and Stikinia terranes (Figure 3). Previous mappers have interpreted this area to be a steeply dipping suture zone marking accretion of an island arc to North America during Jurassic times (Tempelman-Kluit, 1979). Recent detailed structural mapping led to reinterpretation, which indicates that the steep dips are the result of a large-scale fold (de Keijzer, et al., 1999). Figure 4 illustrates regional geology based on a compilation done by Gordey and Makepeace (1999). Units observed on the Rosy property are assigned to the Nasina Subterrane of the Yukon-Tanana Terrane, an unnamed amphibolite subterrane of the Slide Mountain Terrane and a suite of post-accretion plutons (Gordey and Makepeace, 1999).

The metamorphic rocks are schist, gneiss, quartzite and marble that are believed to be Devonian or earlier in age (Gordey and Stevens, 1994). They are intruded by Early Jurassic and Cretaceous plutons. The youngest rocks are a Late Cretaceous quartz monzonite stock and related miarolitic quartz-feldspar porphyry dykes. The stock hosts the Red Mountain Deposit. The main lithologies are briefly described in the following table.

**Table I - Regional Lithological Units (after Gordey and Stevens, 1994)**

| Age | Unit Name | Description |
|---|---|---|
| Pleistocene to recent | Overburden | Glacial till and moraines; glaciofluvial outwash and more recent talus and fluvial material |
| Late Cretaceous | LKP | Quartz monzonite and quartz-feldspar porphyry |
| Mid-Cretaceous | mKC | Medium- to coarse-grained, equigranular to porphyritic granite, granodiorite and quartz monzonite of the Cassiar Suite |

| | | |
|---|---|---|
| Early Jurassic | EJgA | Medium-to coarse-grained, foliated biotite-hornblende granodiorite, foliated hornblende diorite and monzodiorite of the Aishihik Suite |
| Lower and Middle Jurassic | JL | Poorly sorted, medium bedded to massive arkosic sandstone and minor shale with interbeds and thicker members of heteroclastic pebble- and boulder-conglomerate of the Laberge Group |
| Devonian, Mississippian and older(?) | DMN | Graphitic quartzite and muscovite- and quartz-rich schist with interspersed marble of the Nasina Assemblage |
| | DMN2 | Massive marble of the Nasina Assemblage |
| Paleozoic or Proterozoic | PPa | Amphibolite consisting of metamorphosed mafic rocks, including hornblendite and serpentinite |

The main structural trend in the area is northerly to northwesterly. The Teslin Fault, a regional-scale, post-accretionary, high angle structure is located about five kilometres southwest of the property (Figure 4). Rocks on the southwest side of the Teslin Fault are quite different from those on the northeast side. They belong to the Whitehorse Trough, part of the Stikinia Terrane.

## PROPERTY GEOLOGY AND MINERALIZATION

The property is predominantly underlain by weakly foliated metadiorite (EJgA) with lesser quartz-hornblende and quartz-feldspar-hornblende gneiss (DMN), as shown on Figure 5. A fault-bounded package of coarse grained, unfoliated, amphibolite (PPa) outcrops on the ridge in the northeastern part of the property. The southern fault contact of PPa juxtaposes it against a wedge of massive marble belonging to the Nasina Assemblage (DMN2).

The primary structural features on the property are a series of strong north-south trending linears and a less obvious, secondary set of northeast-southwest trending linears that cuts orthogonally across the main structural trend. Individual linears in both sets range from 1 to 10 m wide and exhibit moderate to steep dips to the southeast. Sharp breaks separate unaltered resistant-weathering wallrocks from altered recessive-weathering rocks in the linears. The linear features are most evident on ridge crests and cliffs because blocky, unaltered wallrock talus tends to obscure them on normal hillsides.

Numerous cream to pink weathering, quartz-feldspar porphyry dykes (LKP) have been identified on the property. These dykes are generally less than 10 m thick and can be traced along strike for tens to a few hundred metres. They exhibit a variety of strikes but all dip steeply. Many of the dykes have strong recessive linears associated with them and are flanked by quartz-carbonate veins and/or carbonate altered wallrocks.

More than 35 quartz-carbonate veins have been mapped on the property. They occur with gouge zones, quartz-feldspar porphyry dykes and carbonate altered wallrocks, usually within the

recessive linears. They are rarely seen in outcrop. Where the veins are exposed in bedrock, they are typically less than 80 cm wide and contain milky white to light grey, often chalcedonic, quartz. Carbonate normally occurs with the quartz. It weathers orange to red-brown and is likely a mixture of ankerite and dolomite. The veins often exhibit differential weathering that highlights delicate interbanding of quartz and carbonate. Most of the quartz-carbonate veins are hosted by EJgA and are surrounded by one to three metre wide alteration envelopes. These envelopes exhibit rusty weathering surfaces and pervasive yellow to green clay alteration. Angular fragments of altered wallrock are occasionally seen within vein zones. Figures 6 to 11 show thematic gold, silver and arsenic values from historical rock samples.

A number of late-stage, barren, white quartz veins crosscut all units on the property.

The Rosy property hosts two main types of mineralization. The first occurs within quartz-carbonate veins and the second is found in altered intrusive rocks.

Primary mineralization within the veins consists of pyrite, lesser arsenopyrite, and rare chalcopyrite. These sulphides typically total 1 to 10% of the veins. They occur as fine disseminations, blebs and stringers hosted in medium grey quartz. There is a weak positive correlation between the abundance of pyrite and that of arsenopyrite. Arsenopyrite and chalcopyrite abundance is also strongly correlated, but there is little apparent correlation between pyrite and chalcopyrite. On weathered surfaces, the primary sulphide minerals have been oxidized and leached to produce limonitic pits. Alteration envelopes peripheral to veins are generally riddled with white quartz veinlets. These quartz veinlets contain 1 to 5% sulphides, consisting of finely disseminated pyrite and arsenopyrite.

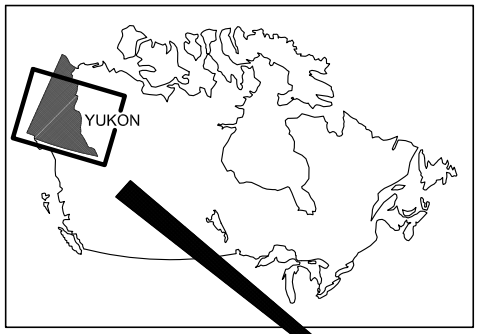
The other type of mineralization is found in intrusive rocks of EJgA. In most parts of the property, EJgA contains trace pyrite and rare arsenopyrite, which weather to give the unit a weakly gossanous appearance.

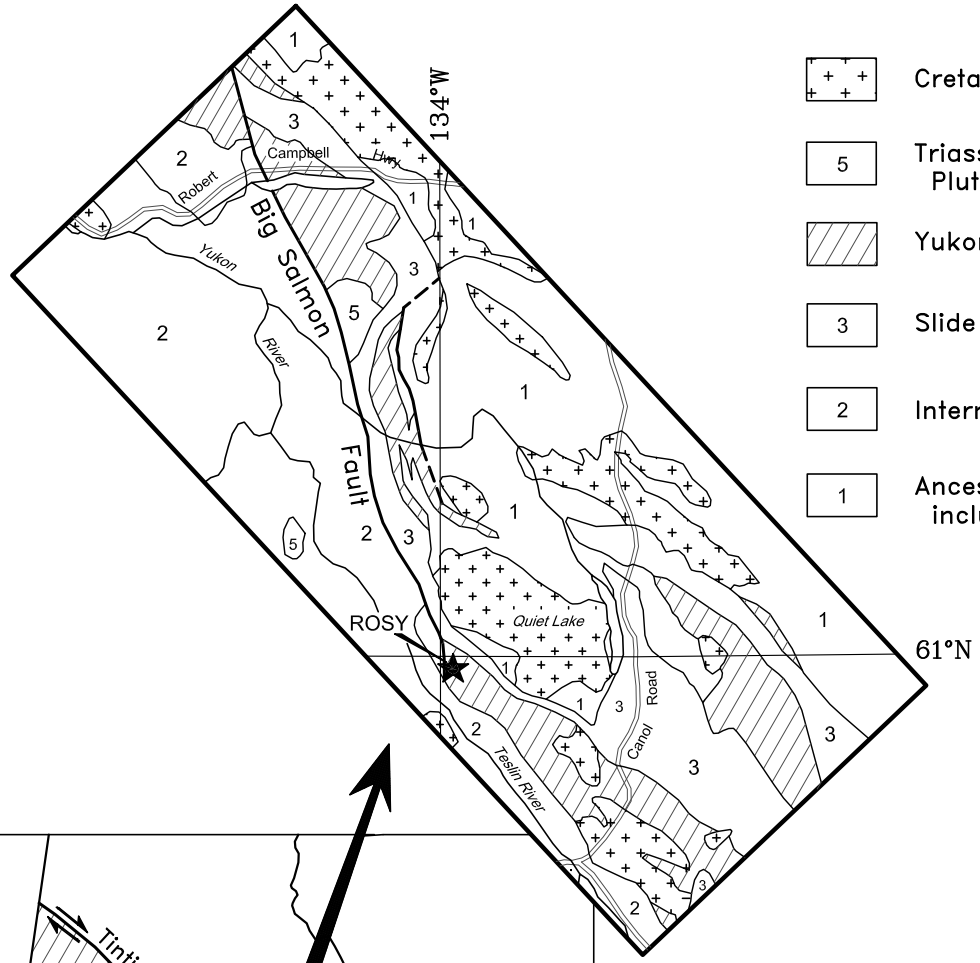
## DIAMOND DRILLING

### General

A total of 263.34 m of diamond drilling was done in three holes between July 9 and 23, 2010. The work was conducted by Top Rank Diamond Drilling Ltd. of Ste. Rose Du Lac, Manitoba. The holes were completed with a unitized JKS 300 drill using NTW and BTW equipment. They were collared on drill pads constructed using locally derived rock and soil. One set of drill timbers is cached on site.

Drill moves and daily crew positioning were done with helicopter support. All core was removed from the property and taken to the Archer Cathro compound in Whitehorse where it was geotechnically and geologically logged. Mineralized intervals and surrounding wallrock were split using a manual core splitter. In fall, the core will be transferred to the H.S. Bostock core library for long term storage.




Cretaceous Plutons

5 Triassic and Jurassic Plutons

Yukon–Tanana Terrane

3 Slide Mountain Terrane

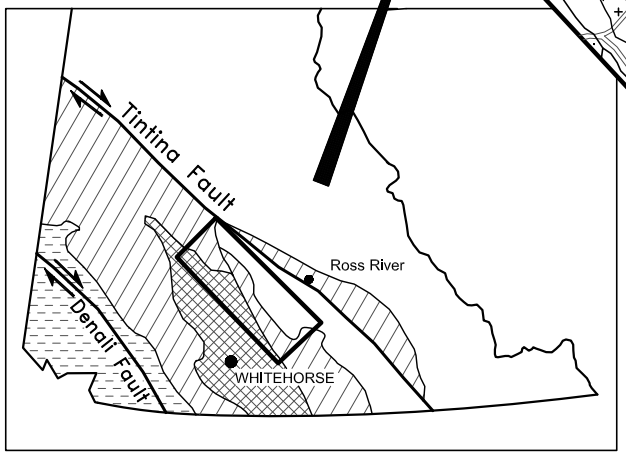
2 Intermontane Belt

1 Ancestral North America including Cassiar Terrane

SCALE 1:2,000,000

0 50

km




Coastal and Insular Belts

Intermontane Belt

Yukon-Tanana Terrane and Slide Mountain Terrane

Ancestral North America including Cassiar Terrane

**BONAPARTE CAPITAL CORP.**
**ATAC RESOURCES LTD.**

FIGURE 6

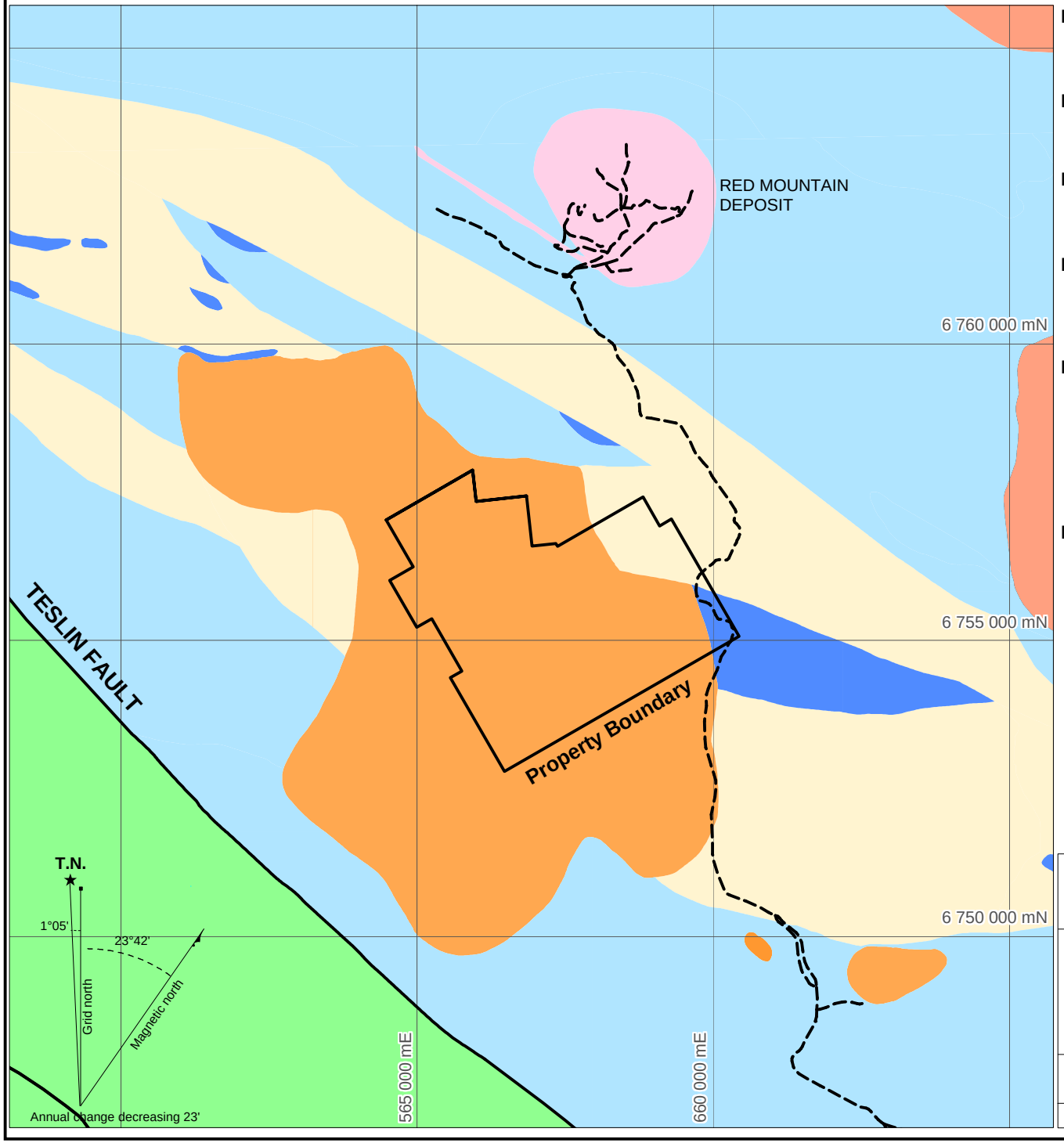
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# TECTONIC SETTING

ROSY PROPERTY

FILE: ...2010

DATE: SEPTEMBER 2010




**LATE CRETACEOUS**

- LKP — Quartz monzonite and quartz-feldspar porphyry

**MID CRETACEOUS**

- mKC — Granite, granodiorite and quartz monzonite of the Cassiar Suite

**EARLY JURASSIC**

- EJgA — Biotite-hornblende granodiorite, hornblende diorite and monzodiorite of the Aishihik Suite

**LOWER AND MIDDLE JURASSIC**

- JL — Arkosic sandstone and minor shale with interbeds and thick members of conglomerate of the Laberge Group

**DEVONIAN, MISSISSIPPIAN AND OLDER(?)**

- DMN2 — Massive marble of the Nasina Assemblage
- DMN4 — Quartzite, micaceous quartzite, quartz muscovite schist and minor conglomerate and metagrit

**PROTEROZOIC AND PALEOZOIC**

- PPa — Amphibolite-metamorphosed mafic rocks including hornblendite and serpentinite

- - - - Access road to the Red Mountain deposit

# BONAPARTE CAPITAL CORP.
# ATAC RESOURCES LTD.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## REGIONAL GEOLOGY

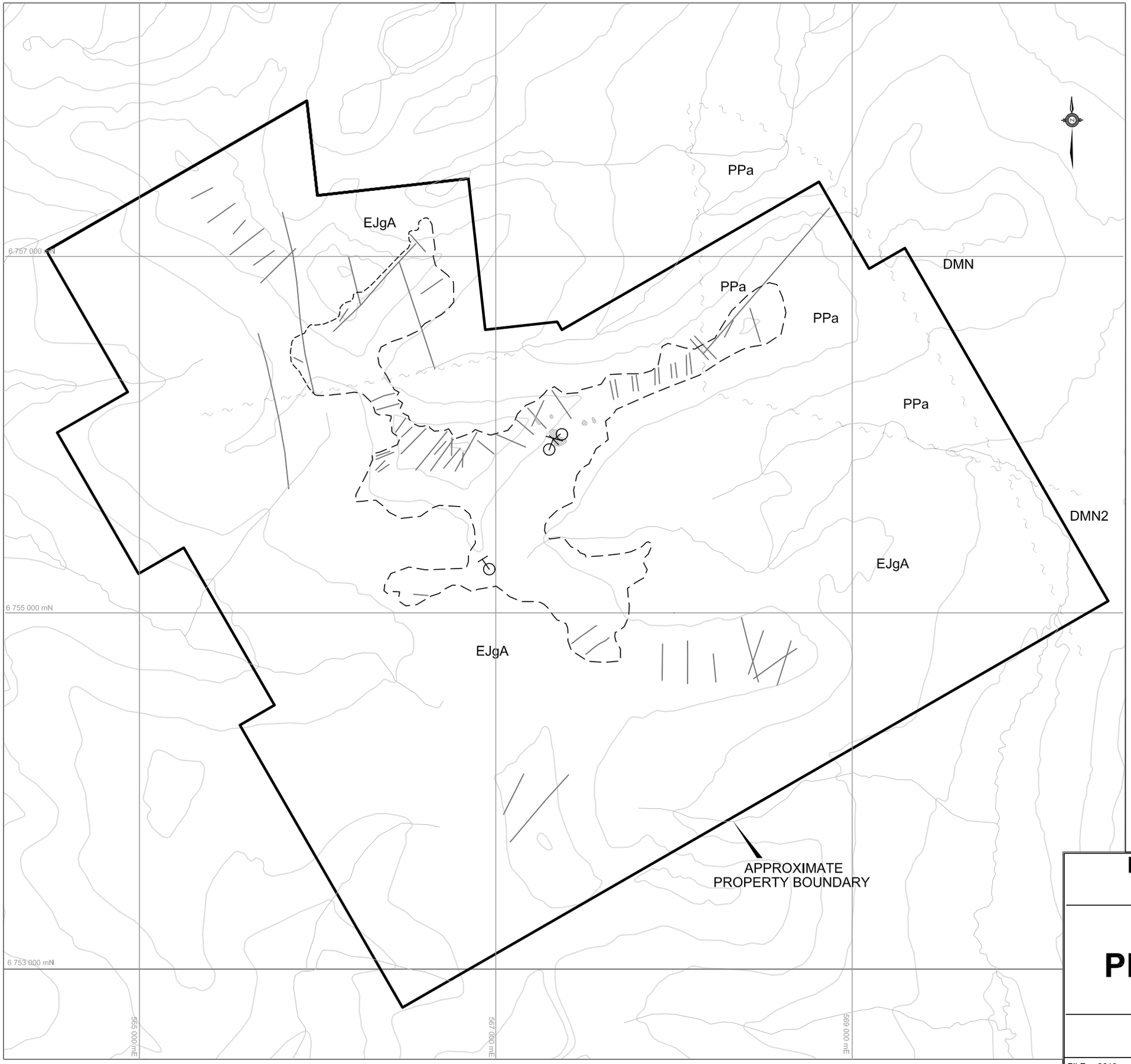
ROSY PROPERTY

0 — 5 km

UTM ZONE 8V, NAD 83, 105C/13

FILE: ...2010

DATE: SEPTEMBER 2010



| | |
|---|---|
| LKP | Quartz-feldspar porphyry |
| EJgA | Metadiorite and gneiss |
| DMN | Limestone and serpentite |
| DMN2 | Massive marble |
| PPa | Amphibolite |

Major fault

Vein fault or recessive linear often associated with LKP dyke and quartz-carbonate material

Geological contact, known, inferred

Limit of outcrop and talus mapping

Soil gouge zone

Diamond drill hole

**BONAPARTE CAPITAL CORP.**
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FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# PROPERTY GEOLOGY

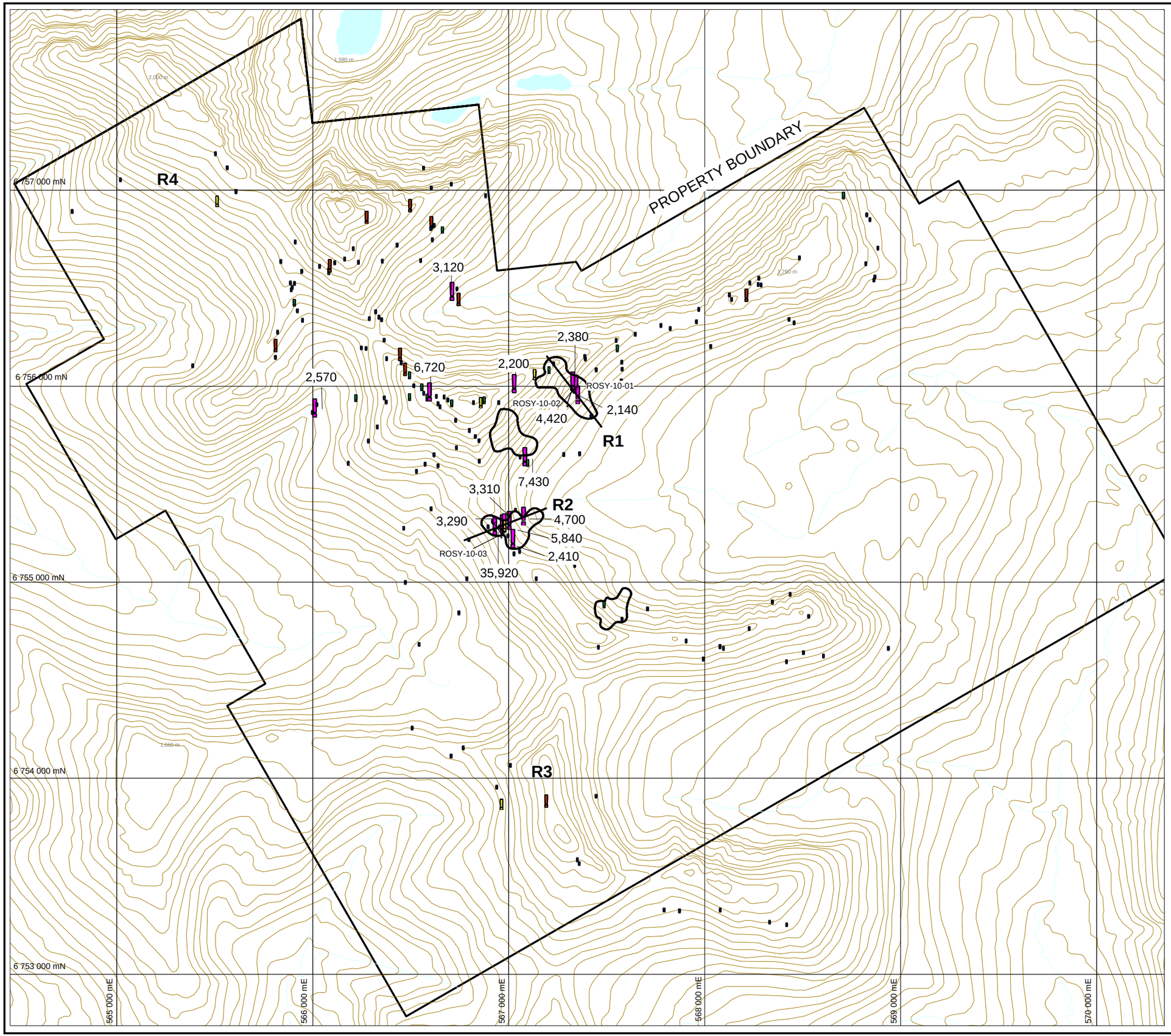
## ROSY PROPERTY

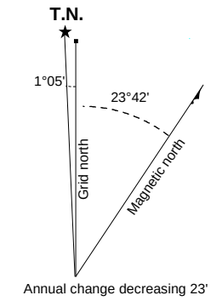
0 500 1000 1500m

UTM ZONE 8, NAD83, 105C/13

FILE: ...2010

DATE: JANUARY 2010




2,380 **Au value (ppb)**

**Soil anomaly**

**R1** **Vein zone**

**Diamond drill hole**

**Au Geochemistry (ppb)**

- ≥2,000
- ≥1,000 <2,000
- ≥500 <1,000
- ≥200 <500
- ≥0 <200

# BONAPARTE CAPITAL CORP.
# ATAC RESOURCES LTD.

**FIGURE 9**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

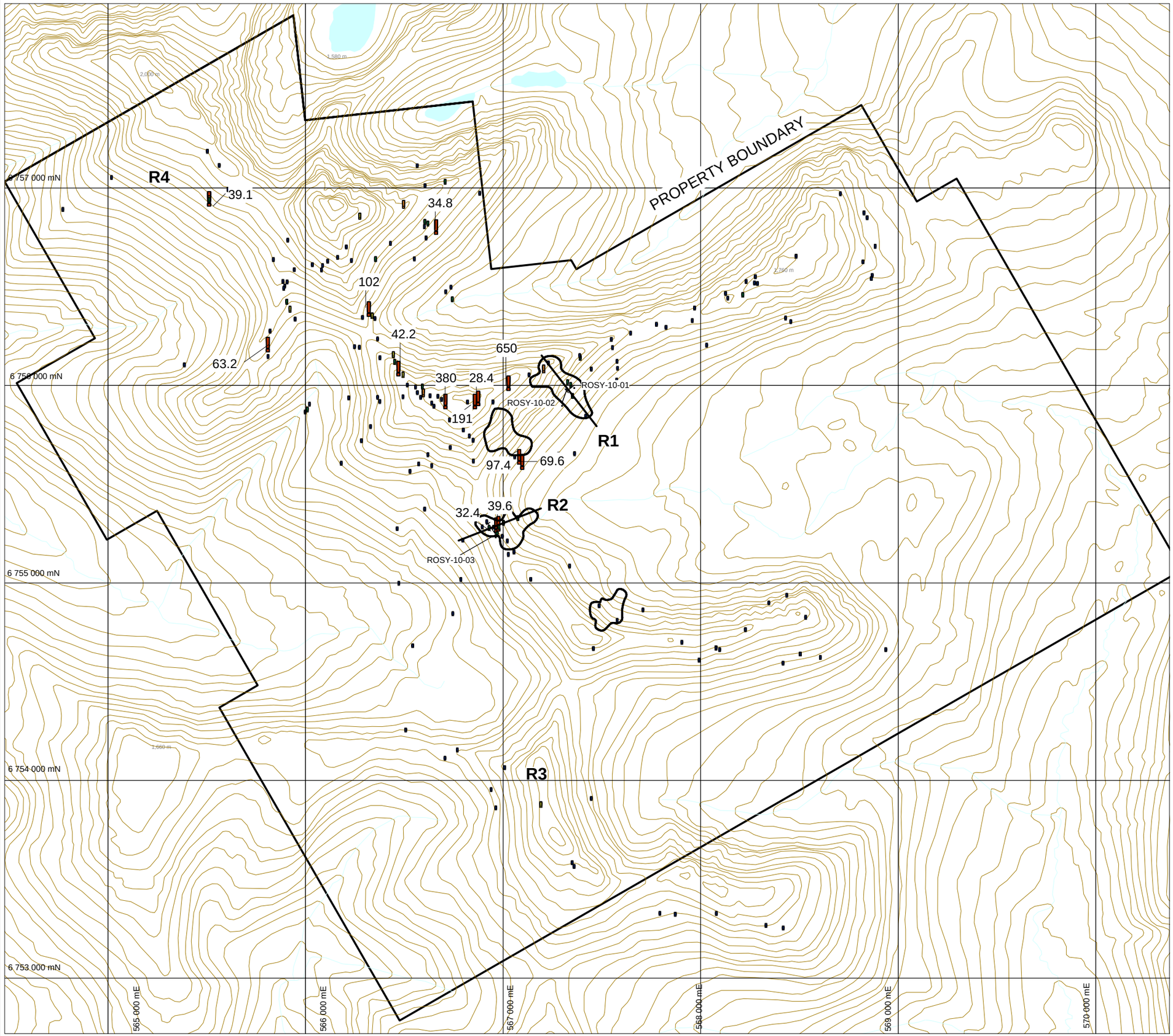
## HISTORICAL GOLD ROCK GEOCHEMISTRY COMPILATION

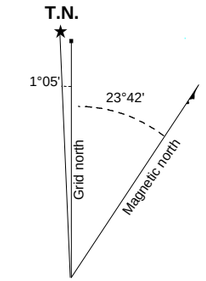
ROSY PROPERTY

0 — 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 2010 | DATE: SEPTEMBER 2010




Annual change decreasing 23'

63.2 **Ag value (ppb)**

**Soil anomaly**

**R1** **Vein zone**

**Diamond drill hole**

**Ag Geochemistry (ppm)**

- ≥25
- ≥10 <25
- ≥5 <10
- ≥2 <5
- ≥0 <2

# BONAPARTE CAPITAL CORP.
# ATAC RESOURCES LTD.

**FIGURE 10**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

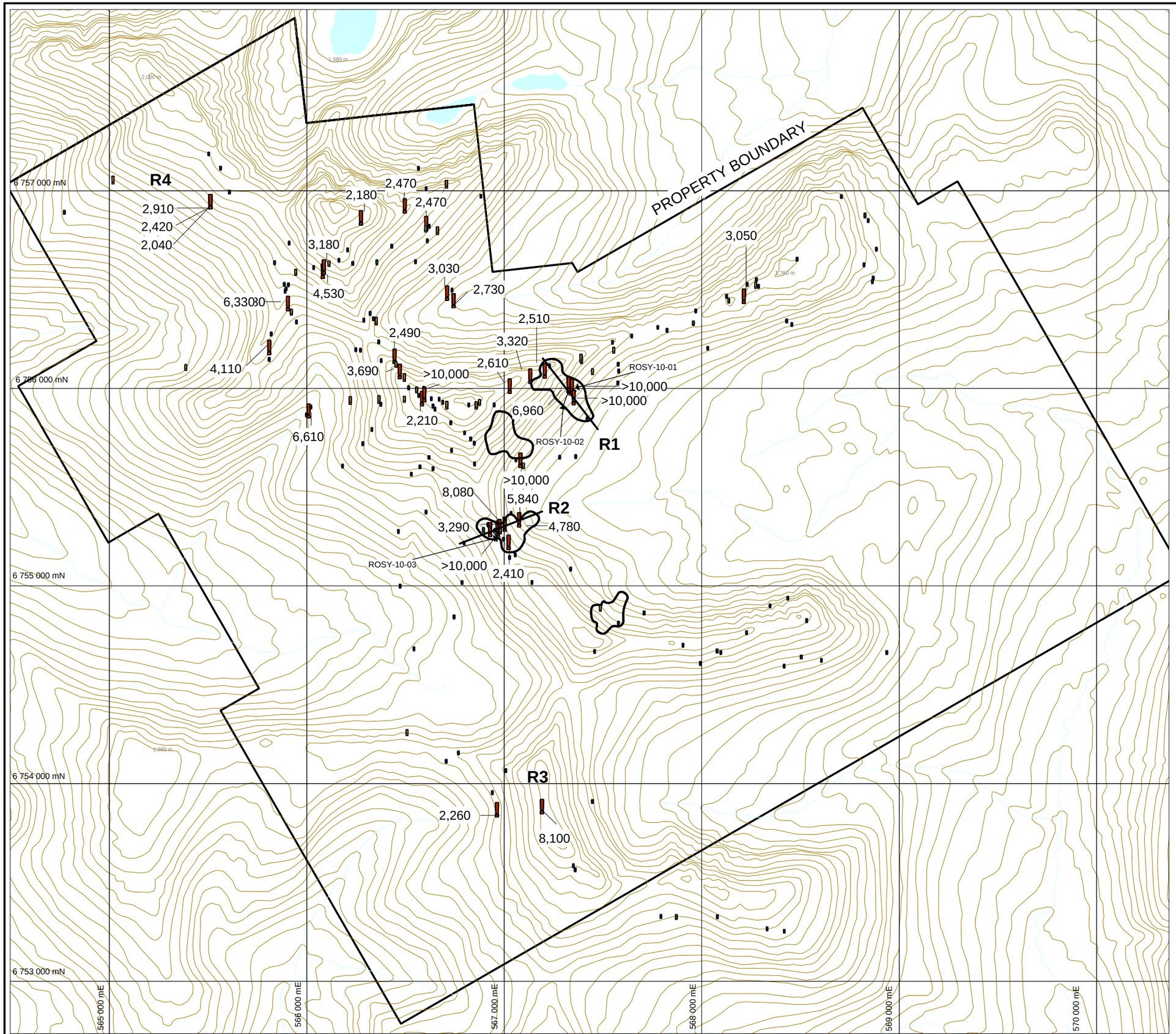
## HISTORICAL SILVER ROCK GEOCHEMISTRY COMPILATION

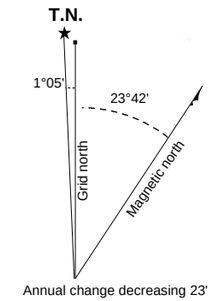
ROSY PROPERTY

0 — 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 2010 | DATE: SEPTEMBER 2010




2,380 **As value (ppb)**

**Soil anomaly**

**R1** **Vein zone**

**Diamond drill hole**

**As Geochemistry (ppm)**

- ≥2,000
- ≥1,000 <2,000
- ≥500 <1,000
- ≥250 <500
- ≥0 <250

# BONAPARTE CAPITAL CORP.
# ATAC RESOURCES LTD.

**FIGURE 11**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## HISTORICAL ARSENIC ROCK GEOCHEMISTRY COMPILATION

ROSY PROPERTY

0 — 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 2010 | DATE: SEPTEMBER 2010

Core samples were taken from the core logging area to the ALS Chemex facility in Whitehorse where they were crushed. A split of the sample was then sent to the ALS Chemex laboratory in North Vancouver where final preparation was performed and analyses were conducted. All core samples were fire assayed for gold (Au-AA24) and were analyzed for 35 other elements by inductively coupled plasma-atomic emission spectroscopy (ME-ICP41).

Appendix II contains the geotechnical and geological logs, while Appendix III comprises the certificate of analysis. Drill collars are shown with a variety of other data on Figures 5 through 11. Drill sections appear on Figures 12 and 13. Information concerning the holes is listed on Table II below.

Table II – Diamond Drill Data

| Hole No. | Vein Zone | Azimuth (°) | Dip (°) | Depth (m) |
|---|---|---|---|---|
| Rosy-10-01 | R1 | 230 | -45 | 67.97 |
| Rosy-10-02 | R1 | 020 | -45 | 99.97 |
| Rosy-10-03 | R2 | 325 | -45 | 95.40 |

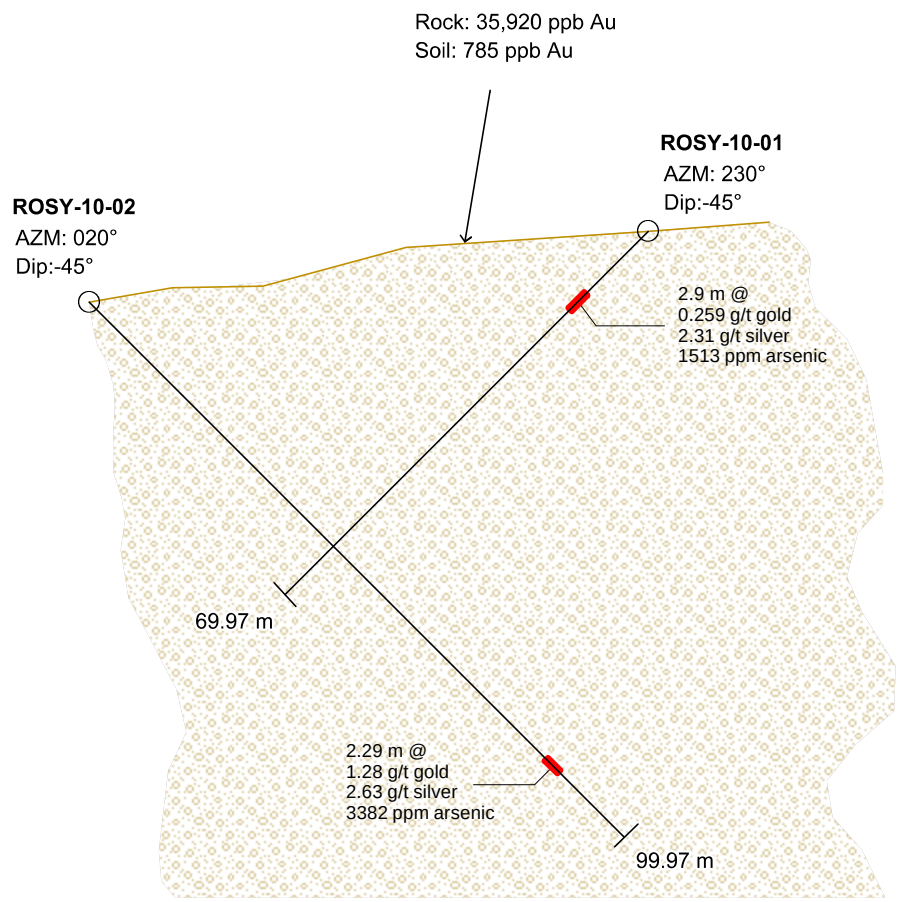
Results

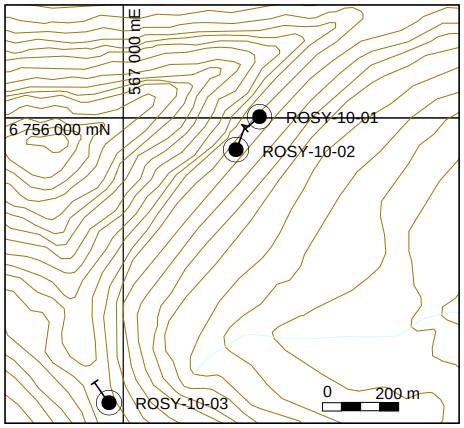
Drill holes Rosy-10-01 and 02 tested the R1 vein. Rosy-10-01 mostly cored competent metadiorite with varying degrees of clay alteration. R1 was intersected from 11.62 m to 14.52 m. At this depth, the vein was strongly weathered and altered. Mineralization comprised stringers of pyrite and chalcopyrite. This 2.9 m interval returned 0.259 g/t gold, 2.31 g/t silver and 1513 ppm arsenic. A hematite-rich alteration envelope is developed adjacent to the vein structure for up to two metres in core; however, the envelope did not return elevated values. Rosy-10-02 was a “scissor” hole to Rosy-10-01. It was designed to test the extension of R1 at depth. This hole cored competent metadiorite with crosscutting dykes and varying degrees of clay alteration. R1 was intersected between 85.36 and 87.65 m. At that depth, R1 is composed of medium to dark grey quartz with minor carbonate veinlets containing weak to moderate disseminated pyrite and trace arsenopyrite. The mineralization flanks a syngenetic quartz-feldspar porphyry dyke. The intersection of R1 sub-surface, including the un-mineralized dyke, has a weighted average of 1.28 g/t gold, 2.63 g/t silver and 3382 ppm arsenic over 2.29 m. Table III below contains analytical results from samples within this deeper intersection of R1.

Table III – Significant Drill Results – Rosy-10-02

| **Intersection (m)** | **Length (m)** | **Gold (g/t)** | **Silver (g/t)** | **Arsenic (ppm)** | **Type** |
|---|---|---|---|---|---|
| 85.36 – 85.78 | 0.42 | 4.15 | 1.9 | 9070 | Vein |
| 85.78 – 87.09 | 1.31 | 0.008 | 0.1 | 38 | Dyke |
| 87.09 – 87.65 | 0.56 | 2.12 | 9.1 | 6940 | Vein |

Rosy-10-03 cut dominantly metadiorite with numerous shear structures hosting carbonate veins. R2 was intersected at 52.03 m and occurred as a series of parallel, narrow, carbonate veinlets with weakly disseminated pyrite. This hole did not return significant values for gold, silver or arsenic.




0 25 50 m

**BONAPARTE CAPITAL CORP.**
**ATAC RESOURCES LTD.**

**FIGURE 12**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

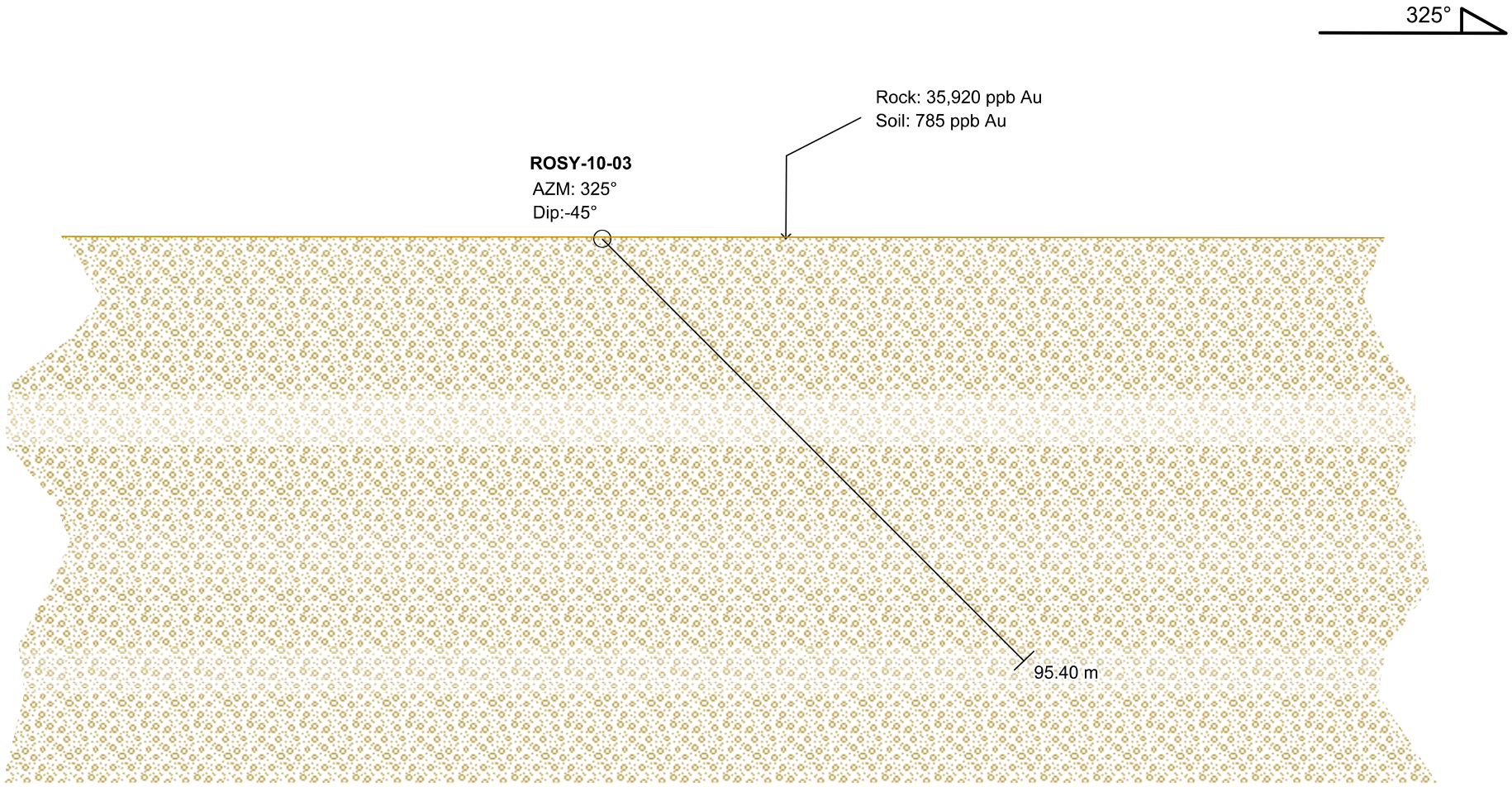
# SECTION ROSY-10-01 & 02

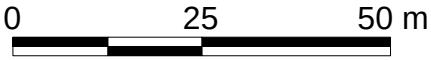
ROSY PROPERTY

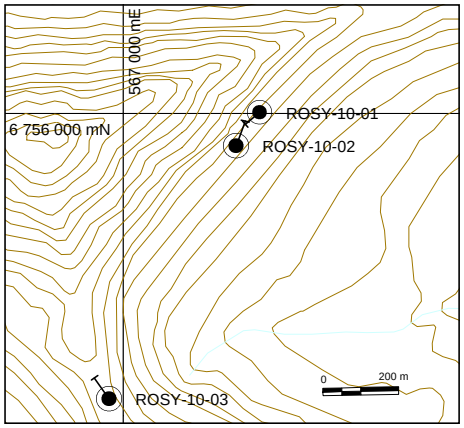
0 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 20010 | DATE: SEPTEMBER 2010




**BONAPARTE CAPITAL CORP.**
**ATAC RESOURCES LTD.**

**FIGURE 13**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# SECTION ROSY-10-03

ROSY PROPERTY

0 — 1 km

UTM Zone 8, NAD83, NTS 105C/13

FILE: 20010 | DATE: SEPTEMBER 2010

## DISCUSSION AND CONCLUSIONS

The Rosy property hosts widespread gold-and-silver bearing veins that appear to be spatially and temporally associated with Late Cretaceous intrusive activity. The lithogeochemical signature and textural features observed in veins in both float and drill core, suggests that they are developed in a distal part of a large hydrothermal system, probably in a low sulphidation, epithermal setting. The nearby Red Mountain porphyry deposit is likely part of the same system. It exhibits a pronounced lithophile signature, which is characteristic of many Cretaceous-age intrusion-related precious metal deposits elsewhere in Yukon.

The 2010 drilling confirmed the presence of R1 and R2 at depth, but returned sub-economic results. Rosy-10-01 intersected R1 close to surface where it was weathered and altered. Rosy-10-02 cut R1 deeper in section and slightly further to the southeast. Mineralization is stronger in this hole and is directly related to a barren, quartz-feldspar porphyry dyke. This type of spatial and genetic relationship between mineralization and late dykes is commonly observed in deposits within the Yukon-Tanana Terrane (the Coffee Creek prospect of Kaminak Gold Corporation, Klaza prospect of Rockhaven Resources Ltd, Nucleus deposit of Northern Freegold Resources Limited etc.). Although gold grades are better in Rosy-10-02, widths are still narrow. For the vein to be economic, grades would have to rise by at least an order of magnitude or widths would have to increase significantly. Results from drilling R2 were disappointing.

The significant increase in gold grade from Rosy-10-01 to -02 and the appearance of the dyke in Rosy-10-02 suggest a trend towards increased mineralization at depth and along strike to the southeast, an area with low topographic relief that is covered by till and vegetation.

Future work should consist of an IP geophysical survey to try and trace the vein below talus and ground cover before any more drilling is done. Additional exploration is also warranted in the vicinity of soil anomalies C and D. This work should include mapping, prospecting and possibly hand trenching.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Heather Smith B.Sc., P.Geo.

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# APPENDIX I

# STATEMENT OF QUALIFICATIONS

## STATEMENT OF QUALIFICATIONS

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address at #604-175 West 1 Street, North Vancouver, British Columbia, V7M 3N9 do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.

2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.

3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 150000).

4. I have personally directed the fieldwork reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc., P.Geo.

# APPENDIX II

# GEOLOGICAL AND GEOTECHNICAL LOGS

# ROSY PROPERTY

| Grid East | Grid North | Easting | Northing | Elev. | Depth (m) |
|---|---|---|---|---|---|
| | | 567361 | 6756002 | 1720 | 67.69 |

**ZONE:**

**SECTION:**

**HOLE:** ROSY-10-01

**CLAIM:** YC18059

Contractor: Top Rank

Drill:

Core size: HQ (31.97) / BTW (EOH)

Casing depth: 2.46 (m) in / **out**

Drilling dates: July 09-12, 2010

Geology logged by: C. Chung

**TARGET:**

**SURVEY**

| Depth (m) | Azimuth | Dip | Method | Depth (m) | Azimuth | Dip | Method |
|---|---|---|---|---|---|---|---|
| collar | 230 | -45.0 | compass | | | | |

**SUMMARY**

| From (m) | To (m) | Interval | Unit | Comments |
|---|---|---|---|---|
| 0.00 | 2.46 | 2.46 | CAS | Casing/overburden; no recovery |
| 2.46 | 10.21 | 7.75 | DIO | |
| 10.21 | 11.62 | 1.41 | DIO | increased kspar? |
| 11.62 | 14.63 | 3.01 | DIO | strongly weathered with limonite and sulphide stringers |
| 14.63 | 16.22 | 1.59 | DIO | increased hematite |
| 16.22 | 67.97 | 51.75 | DIO | |
| | EOH | | | |

**SAMPLES**

Numbers: J997562 - J997569

Total: 8

Batch: 1 (8 samples only)

Date Sent: July 29 2010

Certificate: WH10103513

**COMMENTS**

ROSY-10-01 was entirely cored in a fairly competent metadiorite. One zone of interest was encountered at 11.62-14.63m where the rock was strongly weathered and a slight increase in pyrite/chalcopyrite stringers was noted. The intervals up- and downhole (10.21-11.62m and 14.63-16.22m) show increased red-brown colouring with hematite content.

A small amount of veining structures was noted, generally at high angles (>60°) to core axis. These structures often have weakly diffused chlorite altered envelopes.

Mineralization mainly consisted of trace amounts of disseminated pyrite throughout the interval with rare chalcopyrite noted, generally associated with vein envelopes.

# GEOLOGY LOG

HOLE: ROSY-10-01

| INTERVAL | | | SUB-INTERVAL | | | LITHOLOGY | | | ALTERATION | | | | | | STRUCTURE | | | | MINERALS | | | | | | | | DETAILED DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Other | | | | | | | | | Other | | Other | | | |
| From (m) | To (m) | Interval (m) | From (m) | To (m) | Interval (m) | Unit | Modifier | Texture | Chlorite | Epidote | | Oxidation | Type | Intensity | Type | Attitude (tca) | Attitude (tfa) | Density (frequency/m) | Pyrite | Arsenopyrite | Chalcopyrite | Type | Intensity | Type | Intensity | Photo | |
| 0.00 | 2.46 | 2.46 | | | | CAS | | | | | | | | | | | | | | | | | | | | | Casing/Overburden; no recovery. |
| 2.46 | 10.21 | 7.75 | | | | DIO | WH/GN | | w | t | | | | | FO | 30 | | | | | | | | | | x | Diorite; Speckled cream with dark green/black matrix (phaneritic igneous rock). Medium-coarse grained phenocrysts (up to 0.3cm), subhedral in shape. Very weak foliation noted throughout the matrix. Slight green colouring suggests weak amounts of chlorite alteration. Very localized zones of weak silica and epidote flooding, generally associated with narrow veinlets as envelopes. |
| | | | | | | | | EN | | w | | | He | tw | VT | 75 | | 1 | | | | | | | | | Low veining density; generally has appearance of a zone of moderate-strong silica flooding. Contacts are often weakly diffused with dark irregular epidote flooded envelopes. Minor hematite carried in veinlets. |
| | | | | | | | | | | | | | | | | | | | t | | | | | | | | Trace amounts of pyrite grains, disseminated in the matrix. |
| 10.21 | 11.62 | 1.41 | | | | DIO | WH/GN | | tw | t | | t | He | tw | | | | | t | | | | | | | | Diorite; Similar to 2.46-10.21m. Slight pink colouring of the matrix (possible kspar = monzodiorite?). Minor decrease in chlorite alteration. Trace disseminated pyrite. |
| | | | | | | | | | | | | | HE | w | VT | 75 | | 2 | | | | | | | | | Similar veining to uphole, but has more hematite, giving red-brown colouring. |
| 11.62 | 14.63 | 3.01 | | | | DIO | BN-OR | | | | | s | | | GO | | | | | | | | | | | | Strong weathered Diorite; Brown-orange phaneritic interval that has been strongly weathered and altered. Approx 50% of the zone made up of clay/gouge material. |
| | | | | | | | | | | | | | | | VT | 60 | | 5 | tw | | t | Cc? | t | Li | w | | Narrow, irregular sulphide stringers noted in the upper portion of the interval; pyrite with trace chalcopyrite. Possible chalcocite (dark grey/black blebs) and limonite on fracture surfaces. Contacts at approx 50° TCA. Appears to be weak-moderately silica flooded near the contact. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | There is possibly another veining structure within the gouge zone; patchy darker colouring noted that may indicate envelopes as described above. |
| 14.63 | 16.22 | 1.59 | | | | DIO | MD-GN | | f | t | | | Sil | w | | | | | | | | | | | | | Altered Diorite; Similar to 2.46-10.21m, but with large patches of weak silica and chlorite flooding. Phenocrysts do not have sharp boundaries (appear "fuzzy"). |
| | | | | | | | | | | | | | He | f | VT | 70-80 | | 4 | | | | | | | | | Narrow cream-white quartz ± carbonate veinlets present; often discontinuous (tension gashes?). Red-brown hematite also noted, mostly associated with veinlets but also occur very weakly pervasively through the matrix. |
| | | | | | | | | | | | | | | | | | | | t | | | | | | | | Trace pyrite with possible chalcopyrite in chlorite flooded zones. |
| 16.22 | 67.97 | 51.75 | | | | DIO | WH/GN | | w | t | | | | | FO | 35 | | | | | | | | | | | Diorite; Similar to 2.46-10.21m Phaneritic igneous rock with approx 60-70% cream coloured plagioclase phenocrysts. Weakly chlorite altered with occasional zones with more yellow colouring (epidote?). Phenocrysts tend to be subhedral in shape and can be up to 0.5cm in size. Weak foliation present. |
| | | | | | | | | EN | | | | | He | w | VT | 45-55 | | 7 | | | | | | | | | Low-moderate veining density. White carbonate veinlets, up to 1cm wide. Narrow stringers carrying weak-moderate amounts of hematite also noted with similar orientation. Veinlets generally have envelopes that are slightly darker than the surrounding matrix and appear to have slight increase in chlorite and epidote amounts. |
| | | | | | | | | | | | | | | | | | | | t | | t | Mg | t | | | | Trace disseminated pyrite noted throughout matrix. Slight increase in pyrite in darker veinlets envelopes zones with occasional possible chalcopyrite. Trace dark patches with magnetite also present. |
| | | | 17.06 | 17.58 | 0.52 | | | | f | | | | He | f | ST | 65 | | 4 | | | | | | | | | Interval with medium green-grey wisps and stringers. Chlorite, hematite and epidote all noted to be present. |
| | | | 21.59 | 21.83 | 0.24 | | DK-GN | | f | w | | f | | | | 50 | | | t | | | Li | tw | | | | Dark green zone that have been chlorite and epidote flooded. Approx 1.5cm interval that has been strongly weathered and altered; possible veinlet(?). Weakly diffused contacts a approx 65° TCA. Trace-weak amounts of disseminated pyrite and limonite present. |
| | | | 29.68 | 29.83 | 0.15 | | | | | f | | | Sil | w | | | | | | | | | | | | | Minor interval of silica flooding with epidote. Weakly diffused contacts at approx 75° and approx 50° TCA. |

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

# GEOLOGY LOG

| INTERVAL | | | SUB-INTERVAL | | | LITHOLOGY | | | ALTERATION | | | | | | STRUCTURE | | | | MINERALS | | | | | | | | DETAILED DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Other | | | | | | | | | Other | | Other | | | |
| From (m) | To (m) | Interval (m) | From (m) | To (m) | Interval (m) | Unit | Modifier | Texture | Chlorite | Epidote | | Oxidation | Type | Intensity | Type | Attitude (tca) | Attitude (tfa) | Density (frequency/m) | Pyrite | Arsenopyrite | Chalcopyrite | Type | Intensity | Type | Intensity | Photo | |
| | | | 36.53 | 36.73 | 0.20 | | GN-GY | EN | w | tw | | | Sil | tw | VT | 30 | | | t | | | | | | | | Carbonate veinlet (<0.5cm wide) with envelope. Increased in pyrite grain size with very minor increase in pyrite amounts. |
| | | | 41.84 | 41.91 | 0.07 | | GN-GY | EN | f | tw | | | | | VT | 40 | | | t | | | | | | | | Similar to 36.53-36.73m. |
| | | | 43.40 | 43.47 | 0.07 | | MD-GN | EN | w | | | | Sil | tw | VT | 75 | | | | | | | | | | | Similar to 36.53-36.73m, but with small disseminated pyrite (no blebs). |
| | | | 44.16 | 44.36 | 0.20 | | MD-GN | | | f | | | | | ST | 40 | | | tw | | | | | | | | Similar to 17.06-17.58m. Interval of epidote flooding with green-grey stringers. Very slight increase in pyrite. |
| | | | 53.64 | 56.64 | 3.00 | | | | tw | w | | | | | FO | 35 | | | | | | | | | | | Slightly stronger foliation fabric noted with more yellow green colouring (epidote?). |
| | | | 62.00 | 64.10 | 2.10 | | GN-YW | | w | f | | | | | ST | 40 | | | | | | | | | | | Similar to 53.64-56.64m. Green-grey wisps and stringers also present. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | EOH at 67.97m. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

# SAMPLE LOG

## HOLE: ROSY-10-01

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | Sample | Batch | Au (g/t) | Ag (g/t) | As (ppm) | Bi (ppm) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 2.46 | 2.46 | | | N/S | | | | | | Casing/overburden; no recovery |
| 2.46 | 8.20 | 5.74 | | | N/S | | | | | | not of interest |
| 8.20 | 10.21 | 2.01 | 1.95 | 97 | J997562 | 1 | 0.0025 | 0.1 | 3 | 1 | |
| 10.21 | 11.62 | 1.41 | 1.40 | 99 | J997563 | 1 | 0.0025 | 0.1 | 12 | 1 | |
| 11.62 | 12.90 | 1.28 | 1.10 | 86 | J997564 | 1 | 0.331 | 4.1 | 1725 | 1 | strongly weathered |
| 12.90 | 14.52 | 1.62 | 1.54 | 95 | J997565 | 1 | 0.203 | 0.9 | 1345 | 1 | strongly weathered |
| | | | | | J997566 | 1 | 0.0025 | 0.1 | 5 | 1 | Blank |
| 14.52 | 16.22 | 1.70 | 1.70 | 100 | J997567 | 1 | 0.0025 | 0.1 | 22 | 1 | hematite staining |
| 16.22 | 18.24 | 2.02 | 1.98 | 98 | J997568 | 1 | 0.0025 | 0.1 | 4 | 1 | hematite staining |
| 18.24 | 20.34 | 2.10 | 2.00 | 95 | J997569 | 1 | 0.0025 | 0.1 | 4 | 1 | hematite staining |
| 20.34 | 67.97 | 47.63 | | | N/S | | | | | | not of interest |
| | EOH | | | | | | | | | | |

# GEOTECHNICAL LOG

HOLE: ROSY-10-01

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | RQD (m) | RQD (%) | Hardness | Weathering | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 2.46 | 2.46 | 0.00 | 0 | 1 | 47 | | | | Casing |
| 2.46 | 3.96 | 1.50 | 1.50 | 100 | 1.15 | 77 | VS | FR | | |
| 3.96 | 5.49 | 1.53 | 1.53 | 100 | 1.43 | 93 | VS | FR | | |
| 5.49 | 7.01 | 1.52 | 1.42 | 93 | 1.20 | 79 | VS | FR | | |
| 7.01 | 8.53 | 1.52 | 1.55 | 102 | 1.50 | 99 | VS | FR | | |
| 8.53 | 10.06 | 1.53 | 1.50 | 98 | 1.33 | 87 | VS | FR | | |
| 10.06 | 11.58 | 1.52 | 1.50 | 99 | 1.15 | 76 | VS | FR | | |
| 11.58 | 13.11 | 1.53 | 1.50 | 98 | 0.22 | 14 | VS | FR | | |
| 13.11 | 14.63 | 1.52 | 1.54 | 101 | 0.36 | 24 | VS | FR | | |
| 14.63 | 16.15 | 1.52 | 1.53 | 101 | 1.53 | 101 | W | FR | | |
| 16.15 | 17.68 | 1.53 | 1.50 | 98 | 1.47 | 96 | W | FR | | |
| 17.68 | 19.20 | 1.52 | 1.50 | 99 | 1.49 | 98 | VS | FR | | |
| 19.20 | 20.73 | 1.53 | 1.50 | 98 | 1.34 | 88 | VS | FR | | |
| 20.73 | 22.25 | 1.52 | 1.54 | 101 | 1.25 | 82 | VS | FR | | |
| 22.25 | 23.77 | 1.52 | 1.53 | 101 | 1.53 | 101 | VS | FR | | |
| 23.77 | 25.30 | 1.53 | 1.54 | 101 | 1.49 | 97 | VS | FR | | |
| 25.30 | 26.82 | 1.52 | 1.42 | 93 | 1.39 | 91 | VS | FR | | |
| 26.82 | 28.35 | 1.53 | 1.53 | 100 | 1.43 | 93 | VS | FR | | |
| 28.35 | 29.87 | 1.52 | 1.55 | 102 | 1.55 | 102 | VS | FR | | |
| 29.87 | 31.39 | 1.52 | 1.51 | 99 | 1.39 | 91 | VS | FR | | |
| 31.39 | 31.98 | 0.59 | 0.59 | 100 | 0.59 | 100 | VS | FR | | End of HQ core |
| 31.98 | 34.44 | 2.46 | 1.50 | 61 | 0.88 | 36 | VS | FR | | |
| 34.44 | 37.49 | 3.05 | 3.00 | 98 | 2.90 | 95 | VS | FR | | |
| 37.49 | 39.01 | 1.52 | 1.50 | 99 | 1.37 | 90 | VS | FR | | |
| 39.01 | 42.06 | 3.05 | 1.98 | 65 | 1.27 | 42 | VS | FR | | Crumbled core |
| 42.06 | 45.11 | 3.05 | 3.02 | 99 | 2.72 | 89 | VS | FR | | |
| 45.11 | 48.16 | 3.05 | 3.05 | 100 | 3.05 | 100 | VS | FR | | |
| 48.16 | 51.21 | 3.05 | 3.05 | 100 | 2.17 | 71 | VS | FR | | |
| 51.21 | 54.25 | 3.04 | 3.04 | 100 | 2.49 | 82 | VS | FR | | |
| 54.25 | 57.30 | 3.05 | 3.05 | 100 | 2.93 | 96 | VS | FR | | |
| 57.30 | 60.35 | 3.05 | 3.05 | 100 | 3.05 | 100 | VS | FR | | |
| 60.35 | 63.40 | 3.05 | 3.05 | 100 | 3.05 | 100 | VS | FR | | |
| 63.40 | 64.92 | 1.52 | 1.50 | 99 | 1.50 | 99 | VS | FR | | |
| 64.92 | 67.97 | 3.05 | 3.05 | 100 | 2.74 | 90 | VS | FR | | End of hole |

# DENSITY LOG

## HOLE: ROSY-10-01

| Depth (m) | Unit | Modifier | MINERALS | | | | Comments | Length (cm) | Diameter (cm | Dry weight | Wet Weight | Density | Specific Gravity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Py % | As % | Other | % | | | | | | | |
| | | | | | | | 2000g Standard | | | 1999.7 | 1742.8 | #DIV/0! | 7.78 |
| 4.53 | DIO | | 0.2 | | | | | 13.3 | 5.6 | 901.0 | 578.4 | 2.74 | 2.79 |
| 28.35 | DIO | | 0.1 | | | | | 11.6 | 5.6 | 757.8 | 487.3 | 2.64 | 2.80 |
| 60.35 | DIO | | 0.1 | | | | | 12.3 | 4.1 | 451.4 | 289.3 | 2.75 | 2.78 |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |

# MAGNETIC SUSCEPTIBILITY LOG

## HOLE: ROSY-10-01

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 1.00 | | | | |
| 2.00 | | | | |
| 3.00 | DIO | WH/GN | 0.42 | |
| 4.00 | DIO | WH/GN | 0.40 | |
| 5.00 | DIO | WH/GN | 0.50 | |
| 6.00 | DIO | WH/GN | 0.42 | |
| 7.00 | DIO | WH/GN | 0.50 | |
| 8.00 | DIO | WH/GN | 0.35 | |
| 9.00 | DIO | WH/GN | 0.35 | |
| 10.00 | DIO | WH/GN | 0.38 | |
| 11.00 | DIO | WH/GN | 1.20 | |
| 12.00 | DIO | BN-OR | 0.13 | |
| 13.00 | DIO | BN-OR | 0.21 | |
| 14.00 | DIO | BN-OR | 0.11 | |
| 15.00 | DIO | MD-GN | 0.40 | |
| 16.00 | DIO | MD-GN | 0.68 | |
| 17.00 | DIO | WH/GN | 0.43 | |
| 18.00 | DIO | WH/GN | 0.48 | |
| 19.00 | DIO | WH/GN | 0.36 | |
| 20.00 | DIO | WH/GN | 0.65 | |
| 21.00 | DIO | WH/GN | 0.40 | |
| 22.00 | DIO | WH/GN | 0.43 | |
| 23.00 | DIO | WH/GN | 0.47 | |
| 24.00 | DIO | WH/GN | 0.48 | |
| 25.00 | DIO | WH/GN | 0.50 | |
| 26.00 | DIO | WH/GN | 0.45 | |
| 27.00 | DIO | WH/GN | 0.25 | |
| 28.00 | DIO | WH/GN | 0.70 | |
| 29.00 | DIO | WH/GN | 0.33 | |
| 30.00 | DIO | WH/GN | -0.68 | |
| 31.00 | DIO | WH/GN | 0.52 | |
| 32.00 | DIO | WH/GN | 0.43 | |
| 33.00 | DIO | WH/GN | 0.34 | |
| 34.00 | DIO | WH/GN | 0.36 | |
| 35.00 | DIO | WH/GN | 0.28 | |
| 36.00 | DIO | WH/GN | 0.51 | |
| 37.00 | DIO | WH/GN | 0.51 | |
| 38.00 | DIO | WH/GN | 0.28 | |
| 39.00 | DIO | WH/GN | 0.38 | |
| 40.00 | DIO | WH/GN | | |
| 41.00 | DIO | WH/GN | 0.51 | |
| 42.00 | DIO | WH/GN | 0.41 | |
| 43.00 | DIO | WH/GN | 0.55 | |
| 44.00 | DIO | WH/GN | 0.43 | |

# MAGNETIC SUSCEPTIBILITY LOG

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 45.00 | DIO | WH/GN | 0.20 | |
| 46.00 | DIO | WH/GN | 0.55 | |
| 47.00 | DIO | WH/GN | 0.47 | |
| 48.00 | DIO | WH/GN | 0.84 | |
| 49.00 | DIO | WH/GN | 1.43 | |
| 50.00 | DIO | WH/GN | 0.49 | |
| 51.00 | DIO | WH/GN | 2.35 | |
| 52.00 | DIO | WH/GN | 0.36 | |
| 53.00 | DIO | WH/GN | 0.49 | |
| 54.00 | DIO | WH/GN | 0.55 | |
| 55.00 | DIO | WH/GN | 0.36 | |
| 56.00 | DIO | WH/GN | 0.34 | |
| 57.00 | DIO | WH/GN | 0.45 | |
| 58.00 | DIO | WH/GN | 0.41 | |
| 59.00 | DIO | WH/GN | 0.24 | |
| 60.00 | DIO | WH/GN | 0.30 | |
| 61.00 | DIO | WH/GN | 0.43 | |
| 62.00 | DIO | WH/GN | 0.08 | |
| 63.00 | DIO | WH/GN | -0.47 | |
| 64.00 | DIO | WH/GN | 0.36 | |
| 65.00 | DIO | WH/GN | 0.32 | |
| 66.00 | DIO | WH/GN | -0.41 | |
| 67.00 | DIO | WH/GN | 0.47 | |
| ~68.00 | DIO | WH/GN | 0.51 | hole ends at 67.97m |

# BOX LOG

## HOLE: ROSY-10-01

| BOX | FROM (m) | TO (m) | BOX | FROM (m) | TO (m) |
|---|---|---|---|---|---|
| 1 | 2.46 | 6.09 | | | |
| 2 | 6.09 | 10.37 | | | |
| 3 | 10.37 | 14.25 | | | |
| 4 | 14.25 | 18.25 | | | |
| 5 | 18.25 | 22.47 | | | |
| 6 | 22.47 | 26.82 | | | |
| 7 | 26.82 | 30.99 | | | |
| 8 | 30.99 | 31.98 | | | |
| 9 | 31.98 | 38.63 | | | |
| 10 | 38.63 | 45.41 | | | |
| 11 | 45.41 | 50.96 | | | |
| 12 | 50.96 | 56.50 | | | |
| 13 | 56.50 | 62.20 | | | |
| 14 | 62.20 | 67.97 | | | |

# ROSY PROPERTY

| Grid East | Grid North | Easting | Northing | Elev. | Depth (m) |
|---|---|---|---|---|---|
| | | 566963 | 6755245 | 1759 | 95.40 |

**ZONE:**

**SECTION:**

**HOLE:** ROSY-10-02

**CLAIM:** YC 18166

Contractor: Top Rank

Drill:

Core size: HQ (95.4m / EOH)

Casing depth: 2.21 (m) in / **out**

Drilling dates: July 13 - 17, 2010

Geology logged by: C. Chung

**SURVEY**

| Depth (m) | Azimuth | Dip | Method | Depth (m) | Azimuth | Dip | Method |
|---|---|---|---|---|---|---|---|
| collar | 325 | -45.0 | compass | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**TARGET:**

**SUMMARY**

| From (m) | To (m) | Interval | Unit | Comments |
|---|---|---|---|---|
| 0.00 | 2.21 | 2.21 | CAS | Casing/overburden; no recovery |
| 2.21 | 22.83 | 20.62 | DIO | |
| 22.83 | 24.63 | 1.80 | DIO | |
| 24.63 | 56.94 | 32.31 | DIO | |
| 56.94 | 57.77 | 0.83 | DIO | strongly weathered with limonite |
| 57.77 | 85.18 | 27.41 | DIO | |
| 85.18 | 85.43 | 0.25 | DIO | contact zone |
| 85.43 | 85.52 | 0.09 | VN | quartz vein at 40° TCA |
| 85.52 | 85.78 | 0.26 | DIO | contact zone, ~50% gouge |
| 85.78 | 87.09 | 1.31 | AND | porphyritic dyke at 54° TCA |
| 87.09 | 87.65 | 0.56 | DIO | contact zone |
| 87.65 | 95.40 | 7.75 | DIO | |
| | EOH | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**SAMPLES**

Numbers: J997570 - J997579

Total: 10

Batch: 1 (10 samples only)

Date Sent: July 29 2010

Certificate: WH10103513

**COMMENTS**

ROSY-10-02 was cored in a competent metadiorite and cross cut by a porphyritic dyke at 85.78-87.09m, oriented at approx 65° to core axis.

Two zones of interest were encountered (including the fore mentioned dyke). At 56.94-57.77m, an interval of strongly weathered diorite with limonite and minor gouge. In the contact zones up and down hole of the dyke (at 85.78-87.09m) a quartz vein and a shear/strongly foliated(?) interval was noted with very slight increase in sulphides (pyrite and possible arsenopyrite).

Two sets of veining structures noted, one oriented at ~65° and the other at ~20° TCA. Both types have carbonate with weak hematite staining.

Trace sulphide mineralization, generally occurring as fine disseminated pyrite with rare arsenopyrite and chalcopyrite.

# GEOLOGY LOG

HOLE: ROSY-10-02

| INTERVAL | | | SUB-INTERVAL | | | LITHOLOGY | | | ALTERATION | | | | | | STRUCTURE | | | | MINERALS | | | | | | | | DETAILED DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Other | | | | | | | | | Other | | Other | | | |
| From (m) | To (m) | Interval (m) | From (m) | To (m) | Interval (m) | Unit | Modifier | Texture | Chlorite | Epidote | | Oxidation | Type | Intensity | Type | Attitude (tca) | Attitude (tfa) | Density (frequency/m) | Pyrite | Arsenopyrite | Chalcopyrite | Type | Intensity | Type | Intensity | Photo | |
| 0.00 | 2.21 | 2.21 | | | | CAS | | | | | | | | | | | | | | | | | | | | | Casing/Overburden; no recovery. |
| 2.21 | 22.83 | 20.62 | | | | DIO | WH/GN | | w | t | | | | | FO | 35 | | | | | | | | | | | Diorite; Speckled cream, pink and dark green/black phaneritic igneous rock. Felsic minerals appear to be dominantly lath shaped plagioclase phenocrysts with minor pink coloured phenocrysts (likely hematite staining). Grains are up to 1cm across in size and show a very weak foliation fabric. |
| | | | | | | | | EN | | tw | | | He | tw | VT | 30-60 | | 5 | | | | | | | | | Low veining density that has appearance of narrow zones of silica flooding with weakly diffused contacts. Weak-moderate envelopes are often present and give phenocrysts in the matrix "fuzzy" grain boundaries. The envelopes tend to be chlorite flooded with epidote. Possible hematite staining also present. |
| | | | | | | | | | | | | | | | | | | | t | | | | | | | | Trace disseminated pyrite scattered throughout the matrix. |
| | | | 15.35 | 15.85 | 0.50 | | | | | tw | | | Sil | tw | VT | 20 | | | | | | | | | | | Interval of weak silica flooding, cross-cut by an epidote veinlet. |
| | | | 19.25 | 21.94 | 2.69 | | | | | tw | | | Sil | tw | | | | | | | | | | | | x | Similar to 15.35-15.85m. Interval of slight silica (and epidote) flooding; has appearance of vein envelope. Fairly distinct boundaries at approx 15-20° TCA. Approx 10cm wide and cross-cuts the core multiple times in this subinterval. |
| 22.83 | 24.63 | 1.80 | | | | DIO | WH/BK | | | | | | | | FO | 30 | | | | | | | | | | | Diorite; Similar textures to 2.21-22.83m, but fresh and unaltered with a weakly foliated matrix. Weak-moderately diffused contacts with surrounding rock at approx 50° TCA. |
| | | | | | | | | | | | | | | | | | | | t | | t | Mg | t | | | | Rare-trace disseminated pyrite. Trace magnetite, occurring in small black blebs throughout the matrix. Possible chalcopyrite. |
| 24.63 | 56.94 | 32.31 | | | | DIO | WH/GN | | tw | t | | | | | | | | | | | | | | | | | Diorite; Similar to 2.21-22.83m, with slight decrease in pink colouring of the matrix. Phenocryst grains size also decreased to grains up to 0.5cm across. |
| | | | | | | | | EN | w | tw | | | | | VT | 65 | | 5 | | | | | | | | | Low veining density; Appears to be two separate sets. The first set is a carbonate dominant veining set at approx 65° TCA. These tend to have moderate silica and epidote flooded envelopes. |
| | | | | | | | | | | w | | | He | w | VT | 20 | | 1 | | | | | | | | | The second type consists of quartz-carbonate veinlets that have slight pink colouring (likely due to hematite staining) and tend to have lower angles to core axis. The second type tends not to have any envelopes. |
| | | | | | | | | | | | | | | | | | | | t | | | Mg? | t | | | | Trace amounts of finely disseminated pyrite. Rare blebs of magnetite. Mineralization generally associated with veining envelopes. |
| | | | 30.39 | 33.54 | 3.15 | | | | | tw | | | | | | | | | | | | | | | | | Increased yellow-green colouring (epidote flooding?); noted to be pervasive in matrix. |
| | | | 37.20 | 39.01 | 1.81 | | | | | w | | | He | w | FX | 15 | | 2 | | | | | | | | | Similar to 30.39-33.54m. Two long, low-angled fractures in this interval. Increased epidote and hematite noted on fracture surfaces. |
| 56.94 | 57.77 | 0.83 | | | | DIO | | | | | | | | | | | | | | | | | | | | | Strongly weathered Diorite with contact zones (see subinterval descriptions) |
| | | | 56.94 | 57.07 | 0.13 | | GN-GY | | w | | | | He | w | | | | | | | | | | | | | Contact zone for the weathered interval; chlorite flooded with red-brown hematite noted in the diffused contacts to the wall rock. Very slight increase in disseminated pyrite |
| | | | 57.07 | 57.62 | 0.55 | | BN-OR | | w | | | s | He | tw | GO | | | | | | | | | | | x | Strongly weathered phaneritic unit. Matrix appears to be similar to the surrounding diorite. Approx 10% of the interval is comprised of medium granular gouge. Distinct contacts at 55° and approx 60° TCA. |
| | | | | | | | | | | | | | | | VT | 45 | | 3 | tw | | | Li | tw | | | | Quartz ± carbonate veinlets (<1cm wide) noted near contacts, carrying pyrite. Limonite present on fracture surfaces. |
| | | | 57.62 | 57.77 | 0.15 | | GN-GY | | W | | | | He | w | | | | | | | | | | | | | Similar to 56.94-57.07m; Contact zone. |
| 57.77 | 85.18 | 27.41 | | | | DIO | WH/GN | | tw | t | | | | | FO | | | | | | | | | | | | Diorite; Similar to 2.21-22.83m. Speckled cream/white and dark green/black phaneritic igneous rock. Phenocrysts are dominantly cream coloured lath shaped plagioclase with minor translucent grey quartz and mafics (likely hornblende). Grains up to 0.5cm in size. Very weak foliation fabric present. |
| | | | | | | | | EN | | f | | | He | tw | VT | 20 | | 6 | | | | | | | | | Low-moderate veining density; Two vein sets noted. The first set has low angles to core axis, tends to be wispy and infilled with epidote. Faintly pink, very diffused envelopes often noted. |

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

# GEOLOGY LOG

| INTERVAL | | | SUB-INTERVAL | | | LITHOLOGY | | | ALTERATION | | | | | | STRUCTURE | | | | MINERALS | | | | | | | | DETAILED DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Other | | | | | | | | | Other | | Other | | | |
| From (m) | To (m) | Interval (m) | From (m) | To (m) | Interval (m) | Unit | Modifier | Texture | Chlorite | Epidote | | Oxidation | Type | Intensity | Type | Attitude (tca) | Attitude (tfa) | Density (frequency/m) | Pyrite | Arsenopyrite | Chalcopyrite | Type | Intensity | Type | Intensity | Photo | |
| | | | | | | | | EN | | w | | | He | tw | VT | 60 | | 2 | | | | | | | | | The second type is generally at steeper angles and infilled by quartz-carbonate. Similar envelopes are present. |
| | | | | | | | | | | | | | | | | | | | t | | | | | | | | Trace finely disseminated pyrite. |
| | | | 59.58 | 60.61 | 1.03 | | | | | | | | He | tw | FO | 40 | | | | | | | | | | | Slightly stronger foliation fabric noted. Very weak pervasive hematite staining present. |
| | | | 67.27 | 67.45 | 0.18 | | | | f | w | | | Sil | tw | VT? | 50 | | | | | | | | | | | Weakly silicified, chlorite and epidote flooded interval. Possible quartz± carbonate veining structure. |
| | | | 68.60 | 75.98 | 7.38 | | | | | tw | | w | He | tw | VT | 20 | | 8 | | | | | | | | | Increased epidote filled wispy veining structures. Due to low angles to core axis, the matrix appears to be more epidote flooded. Foliation fabric is more noticeable as well. |
| 85.18 | 85.43 | 0.25 | | | | DIO | GN-GY | | | tw | | w | Sil | w | | | | | t | | | | | | | | Diorite (Contact zone); Contact zone to a vein before a dyke. Similar to 57.77-85.18m but very weakly silicified and moderately epidote flooded. Trace disseminated pyrite. |
| 85.43 | 85.52 | 0.09 | | | | VN | GY | | | | | tw | He | t | | 40 | | | m | t | | | | | | | Vein; Medium-dark grey quartz vein. Minor fracturing across vein structure, infilled with minor carbonates. Fair-moderate sulphide amounts, pyrite dominant with trace arsenopyrite. |
| 85.52 | 85.78 | 0.26 | | | | DIO | WH-GY | | | | | | Se? | m | GO | | | | | | | | | | | | Diorite (Contact zone); Bleached and altered contact zone between vein and dyke. Approx 50% gouge. Sericite alteration(?). |
| 85.78 | 87.09 | 1.31 | | | | AND | BN | PO | | | | w | | | DY | 65 | | | | | | | | | | x | Andesitic(?) Dyke; Porphyritic dyke with white phenocrysts up to 1cm (quartz or feldspars?) in a very fine grained (chilled) matrix. Trace-weak amounts of dark grey/black specks (hornblende?). One large fracture running sub parallel to core axis along the entire interval. No significant sulphide mineralization noted. |
| 87.09 | 87.65 | 0.56 | | | | DIO | LT-GY | | tw | | | tw | Sil | w | | 45 | | | w | | t | | | | | | Diorite (Contact zone); Similar to 85.52-85.78m. Bleached and altered contact zone below dyke. Weakly sheared/foliated fabric with approx 20% granular gouge. Weak silica flooding with chlorite clots (approx 1cm across). Increased disseminated pyrite with possible arsenopyrite and chalcopyrite. |
| 87.65 | 95.40 | 7.75 | | | | DIO | WH/GN | | | | | | | | FO | | | | | | | | | | | | Diorite; Similar to 57.77-85.18m with slight increase in yellow-green colouring of the matrix. Very weak foliation fabric noted. |
| | | | | | | | | EN | | w | | | He | w | VT | 50 | | 11 | | | | | | | | | Narrow carbonate veinlets are noted, often carrying hematite along boundaries. Most have weakly diffused epidote envelopes. |
| | | | | | | | | | | | | | | | | | | | t | | | | | | | | Trace fine disseminated pyrite as above. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | EOH at 95.40m. |

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

# SAMPLE LOG

## HOLE: ROSY-10-02

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | Sample | Batch | Au (g/t) | Ag (g/t) | As (ppm) | Bi (ppm) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 2.21 | 2.21 | | | N/S | | | | | | No recovery |
| 2.21 | 54.57 | 52.36 | | | N/S | | | | | | Not of interest |
| 54.57 | 57.07 | 2.50 | 2.37 | 95 | J997570 | 1 | 0.0025 | 0.1 | 2 | 1 | |
| 57.07 | 57.62 | 0.55 | 0.42 | 76 | J997571 | 1 | 0.049 | 0.6 | 220 | 1 | strongly weathered zone |
| | | | | | J997572 | 1 | 0.204 | 151 | 7080 | 12 | Standard: CDN-ME-7 |
| 57.62 | 60.11 | 2.49 | 2.40 | 96 | J997573 | 1 | 0.0025 | 0.2 | 11 | 1 | |
| 60.11 | 82.88 | 22.77 | | | N/S | | | | | | Not of interest |
| 82.88 | 85.36 | 2.48 | 2.40 | 97 | J997574 | 1 | 0.0025 | 0.1 | 17 | 1 | |
| 85.36 | 85.78 | 0.42 | 0.40 | 95 | J997575 | 1 | 4.15 | 1.9 | 9070 | 1 | vein |
| 85.78 | 87.09 | 1.31 | 1.33 | 102 | J997576 | 1 | 0.008 | 0.1 | 38 | 1 | dyke |
| 87.09 | 87.65 | 0.56 | 0.56 | 100 | J997577 | 1 | 2.12 | 9.1 | 6940 | 1 | contact zone/vein? |
| 87.65 | 90.15 | 2.50 | 2.48 | 99 | J997578 | 1 | 0.0025 | 0.1 | 21 | 1 | |
| | | | | | J997579 | 1 | 0.0025 | 0.1 | 21 | 1 | Quarter split duplicate of ***578 |
| 90.15 | 95.40 | 5.25 | | | N/S | | | | | | Not of interest |
| | EOH | | | | | | | | | | |

# GEOTECHNICAL LOG

HOLE: ROSY-10-02

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | RQD (m) | RQD (%) | Hardness | Weathering | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 2.44 | 2.44 | | 0 | | 0 | | | | |
| 2.44 | 3.96 | 1.52 | 1.53 | 101 | 1.35 | 89 | VS | FR | | |
| 3.96 | 5.49 | 1.53 | 1.54 | 101 | 1.29 | 84 | VS | FR | | |
| 5.49 | 7.01 | 1.52 | 1.54 | 101 | 1.17 | 77 | VS | FR | | |
| 7.01 | 8.53 | 1.52 | 1.51 | 99 | 1.36 | 89 | VS | FR | | |
| 8.53 | 10.06 | 1.53 | 1.54 | 101 | 1.53 | 100 | VS | FR | | |
| 10.06 | 11.58 | 1.52 | 1.50 | 99 | 1.50 | 99 | VS | FR | | |
| 11.58 | 13.11 | 1.53 | 1.56 | 102 | 1.56 | 102 | VS | FR | | |
| 13.11 | 14.63 | 1.52 | 1.42 | 93 | 1.04 | 68 | VS | FR | | |
| 14.63 | 16.15 | 1.52 | 1.52 | 100 | 1.29 | 85 | VS | FR | | |
| 16.15 | 17.68 | 1.53 | 1.51 | 99 | 1.51 | 99 | VS | FR | | |
| 17.68 | 19.20 | 1.52 | 1.50 | 99 | 1.50 | 99 | VS | FR | | |
| 19.20 | 20.73 | 1.53 | 1.53 | 100 | 1.29 | 84 | VS | FR | | |
| 20.73 | 22.25 | 1.52 | 1.51 | 99 | 1.51 | 99 | VS | FR | | |
| 22.25 | 23.77 | 1.52 | 1.48 | 97 | 1.48 | 97 | VS | FR | | |
| 23.77 | 25.30 | 1.53 | 1.55 | 101 | 1.50 | 98 | VS | FR | | |
| 25.30 | 26.82 | 1.52 | 1.56 | 103 | 1.53 | 101 | VS | FR | | |
| 26.82 | 28.35 | 1.53 | 1.52 | 99 | 1.35 | 88 | VS | FR | | |
| 28.35 | 29.87 | 1.52 | 1.51 | 99 | 1.45 | 95 | VS | FR | | |
| 29.87 | 31.39 | 1.52 | 1.53 | 101 | 1.53 | 101 | VS | FR | | |
| 31.39 | 32.92 | 1.53 | 1.51 | 99 | 1.51 | 99 | VS | FR | | |
| 32.92 | 34.44 | 1.52 | 1.55 | 102 | 1.55 | 102 | VS | FR | | |
| 34.44 | 35.97 | 1.53 | 1.48 | 97 | 1.33 | 87 | VS | FR | | |
| 35.97 | 37.49 | 1.52 | 1.60 | 105 | 1.55 | 102 | VS | FR | | |
| 37.49 | 39.01 | 1.52 | 1.55 | 102 | 0.65 | 43 | VS | FR | | |
| 39.01 | 40.54 | 1.53 | 1.50 | 98 | 1.50 | 98 | VS | FR | | |
| 40.54 | 42.06 | 1.52 | 1.49 | 98 | 1.29 | 85 | VS | FR | | |
| 42.06 | 43.59 | 1.53 | 1.53 | 100 | 1.46 | 95 | VS | FR | | |
| 43.59 | 45.11 | 1.52 | 1.47 | 97 | 1.17 | 77 | VS | FR | | |
| 45.11 | 46.63 | 1.52 | 1.55 | 102 | 1.49 | 98 | VS | FR | | |
| 46.63 | 48.16 | 1.53 | 1.53 | 100 | 1.40 | 92 | VS | FR | | |
| 48.16 | 49.68 | 1.52 | 1.55 | 102 | 1.18 | 78 | VS | FR | | |
| 49.68 | 51.21 | 1.53 | 1.48 | 97 | 1.48 | 97 | VS | FR | | |
| 51.21 | 52.73 | 1.52 | 1.51 | 99 | 1.51 | 99 | VS | FR | | |
| 52.73 | 54.25 | 1.52 | 1.48 | 97 | 1.48 | 97 | VS | FR | | |
| 54.25 | 55.78 | 1.53 | 1.42 | 93 | 1.42 | 93 | VS | FR | | |
| 55.78 | 57.30 | 1.52 | 1.53 | 101 | 1.39 | 91 | W | FR | | |
| 57.30 | 58.83 | 1.53 | 1.52 | 99 | 1.14 | 75 | VS | FR | | |
| 58.83 | 60.35 | 1.52 | 1.54 | 101 | 1.48 | 97 | VS | FR | | |
| 60.35 | 61.87 | 1.52 | 1.52 | 100 | 1.27 | 84 | VS | FR | | |
| 61.87 | 63.40 | 1.53 | 1.56 | 102 | 1.56 | 102 | VS | FR | | |
| 63.40 | 64.92 | 1.52 | 1.52 | 100 | 1.52 | 100 | VS | FR | | |
| 64.92 | 66.45 | 1.53 | 1.50 | 98 | 1.50 | 98 | VS | FR | | |
| 66.45 | 67.97 | 1.52 | 1.52 | 100 | 1.52 | 100 | VS | FR | | |
| 67.97 | 69.49 | 1.52 | 1.52 | 100 | 1.47 | 97 | VS | FR | | |
| 69.49 | 71.02 | 1.53 | 1.51 | 99 | 1.51 | 99 | VS | FR | | |
| 71.02 | 72.54 | 1.52 | 1.54 | 101 | 1.45 | 95 | VS | FR | | |
| 72.54 | 74.07 | 1.53 | 1.54 | 101 | 1.54 | 101 | VS | FR | | |
| 74.07 | 75.59 | 1.52 | 1.53 | 101 | 1.53 | 101 | VS | FR | | |
| 75.59 | 77.11 | 1.52 | 1.51 | 99 | 1.48 | 97 | VS | FR | | |
| 77.11 | 78.64 | 1.53 | 1.54 | 101 | 1.32 | 86 | VS | FR | | |

# GEOTECHNICAL LOG

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | RQD (m) | RQD (%) | Hardness | Weathering | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 78.64 | 80.16 | 1.52 | 1.48 | 97 | 1.48 | 97 | VS | FR | | |
| 80.16 | 81.69 | 1.53 | 1.46 | 95 | 1.46 | 95 | VS | FR | | |
| 81.69 | 83.21 | 1.52 | 1.51 | 99 | 1.48 | 97 | VS | FR | | |
| 83.21 | 84.73 | 1.52 | 1.51 | 99 | 1.51 | 99 | S | FR | | |
| 84.73 | 86.26 | 1.53 | 1.48 | 97 | 0.84 | 55 | S | FR | | |
| 86.26 | 87.78 | 1.52 | 1.54 | 101 | 0.80 | 53 | S | FR | | |
| 87.78 | 89.31 | 1.53 | 1.50 | 98 | 1.50 | 98 | VS | FR | | |
| 89.31 | 90.83 | 1.52 | 1.54 | 101 | 1.54 | 101 | VS | FR | | |
| 90.83 | 92.35 | 1.52 | 1.50 | 99 | 1.50 | 99 | VS | FR | | |
| 92.35 | 93.88 | 1.53 | 1.51 | 99 | 1.51 | 99 | VS | FR | | |
| 93.88 | 95.40 | 1.52 | 1.40 | 92 | 0.85 | 56 | VS | FR | | End of the hole |
| | | | | | | | | | | |

# DENSITY LOG

## HOLE: ROSY-10-02

| Depth (m) | Unit | Modifier | MINERALS | | | | Comments | Length (cm) | Diameter (cm | Dry weight | Wet Weight | Density | Specific Gravity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Py % | As % | Other | % | | | | | | | |
| | | | | | | | 2000g standard | | | 1999.5 | 1742.4 | #DIV/0! | 7.78 |
| 13.01 | DIO | | 0.1 | | | | | 11.5 | 5.6 | 722.4 | 459.9 | 2.54 | 2.75 |
| 50.22 | DIO | | 0.1 | | | | | 11.0 | 5.6 | 737.3 | 474.4 | 2.71 | 2.80 |

# MAGNETIC SUSCEPTIBILITY LOG

**HOLE:** ROSY-10-02

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 1.00 | | | | |
| 2.00 | | | | |
| 3.00 | DIO | WH/GN | 1.19 | |
| 4.00 | DIO | WH/GN | 0.35 | |
| 5.00 | DIO | WH/GN | 0.38 | |
| 6.00 | DIO | WH/GN | 0.40 | |
| 7.00 | DIO | WH/GN | 0.38 | |
| 8.00 | DIO | WH/GN | 0.42 | |
| 9.00 | DIO | WH/GN | 0.52 | |
| 10.00 | DIO | WH/GN | 0.40 | |
| 11.00 | DIO | WH/GN | 0.36 | |
| 12.00 | DIO | WH/GN | 0.36 | |
| 13.00 | DIO | WH/GN | 0.31 | |
| 14.00 | DIO | WH/GN | 1.84 | |
| 15.00 | DIO | WH/GN | 2.57 | |
| 16.00 | DIO | WH/GN | 0.47 | |
| 17.00 | DIO | WH/GN | 0.35 | |
| 18.00 | DIO | WH/GN | 0.28 | |
| 19.00 | DIO | WH/GN | 0.40 | |
| 20.00 | DIO | WH/GN | 0.38 | |
| 21.00 | DIO | WH/GN | 0.36 | |
| 22.00 | DIO | WH/BK | 0.43 | |
| 23.00 | DIO | WH/BK | 0.58 | |
| 24.00 | DIO | WH/BK | 0.53 | |
| 25.00 | DIO | WH/GN | 0.43 | |
| 26.00 | DIO | WH/GN | 6.50 | |
| 27.00 | DIO | WH/GN | -0.20 | |
| 28.00 | DIO | WH/GN | 0.36 | |
| 29.00 | DIO | WH/GN | 0.36 | |
| 30.00 | DIO | WH/GN | -0.38 | |
| 31.00 | DIO | WH/GN | 0.26 | |
| 32.00 | DIO | WH/GN | 0.45 | |
| 33.00 | DIO | WH/GN | 0.25 | |
| 34.00 | DIO | WH/GN | 0.40 | |
| 35.00 | DIO | WH/GN | 1.15 | |
| 36.00 | DIO | WH/GN | -0.01 | |
| 37.00 | DIO | WH/GN | 0.43 | |
| 38.00 | DIO | WH/GN | 0.58 | |
| 39.00 | DIO | WH/GN | 0.68 | |
| 40.00 | DIO | WH/GN | 0.16 | |
| 41.00 | DIO | WH/GN | 0.42 | |
| 42.00 | DIO | WH/GN | 0.40 | |
| 43.00 | DIO | WH/GN | 0.50 | |
| 44.00 | DIO | WH/GN | 0.42 | |

# MAGNETIC SUSCEPTIBILITY LOG

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 45.00 | DIO | WH/GN | 2.53 | |
| 46.00 | DIO | WH/GN | -0.35 | |
| 47.00 | DIO | WH/GN | 0.18 | |
| 48.00 | DIO | WH/GN | 0.53 | |
| 49.00 | DIO | WH/GN | 0.05 | |
| 50.00 | DIO | WH/GN | 0.73 | |
| 51.00 | DIO | WH/GN | 0.33 | |
| 52.00 | DIO | WH/GN | 0.45 | |
| 53.00 | DIO | WH/GN | 3.71 | |
| 54.00 | DIO | WH/GN | 0.33 | |
| 55.00 | DIO | WH/GN | 0.43 | |
| 56.00 | DIO | WH/GN | 0.38 | |
| 57.00 | DIO | BN-OR | 0.40 | |
| 58.00 | DIO | WH/GN | 0.67 | |
| 59.00 | DIO | WH/GN | 0.70 | |
| 60.00 | DIO | WH/GN | 0.45 | |
| 61.00 | DIO | WH/GN | 0.36 | |
| 62.00 | DIO | WH/GN | 0.38 | |
| 63.00 | DIO | WH/GN | 0.42 | |
| 64.00 | DIO | WH/GN | 0.60 | |
| 65.00 | DIO | WH/GN | 0.67 | |
| 66.00 | DIO | WH/GN | 0.45 | |
| 67.00 | DIO | WH/GN | 0.38 | |
| 68.00 | DIO | WH/GN | 0.42 | |
| 69.00 | DIO | WH/GN | 0.35 | |
| 70.00 | DIO | WH/GN | 0.45 | |
| 71.00 | DIO | WH/GN | 0.33 | |
| 72.00 | DIO | WH/GN | 0.33 | |
| 73.00 | DIO | WH/GN | 0.50 | |
| 74.00 | DIO | WH/GN | 0.55 | |
| 75.00 | DIO | WH/GN | 0.53 | |
| 76.00 | DIO | WH/GN | 0.51 | |
| 77.00 | DIO | WH/GN | 0.48 | |
| 78.00 | DIO | WH/GN | 0.31 | |
| 79.00 | DIO | WH/GN | 0.40 | |
| 80.00 | DIO | WH/GN | 0.40 | |
| 81.00 | DIO | WH/GN | 0.38 | |
| 82.00 | DIO | WH/GN | 0.33 | |
| 83.00 | DIO | WH/GN | 0.33 | |
| 84.00 | DIO | WH/GN | 0.26 | |
| 85.00 | DIO | WH/GN | 0.52 | |
| 86.00 | AND | BN | 6.19 | |
| 87.00 | AND | BN | 4.56 | |
| 88.00 | DIO | WH/GN | 0.40 | |
| 89.00 | DIO | WH/GN | 0.63 | |
| 90.00 | DIO | WH/GN | 0.38 | |

# MAGNETIC SUSCEPTIBILITY LOG

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 91.00 | DIO | WH/GN | 0.38 | |
| 92.00 | DIO | WH/GN | 0.40 | |
| 93.00 | DIO | WH/GN | 0.38 | |
| 94.00 | DIO | WH/GN | 0.36 | |
| 95.00 | DIO | WH/GN | 0.55 | EOH |
| | | | | |

# BOX LOG

## HOLE: ROSY-10-02

| BOX | FROM (m) | TO (m) | BOX | FROM (m) | TO (m) |
|---|---|---|---|---|---|
| 1 | 2.21 | 5.84 | | | |
| 2 | 5.84 | 9.73 | | | |
| 3 | 9.73 | 13.86 | | | |
| 4 | 13.86 | 17.98 | | | |
| 5 | 17.98 | 22.25 | | | |
| 6 | 22.25 | 26.61 | | | |
| 7 | 26.61 | 30.75 | | | |
| 8 | 30.75 | 34.99 | | | |
| 9 | 34.99 | 39.01 | | | |
| 10 | 39.01 | 43.56 | | | |
| 11 | 43.56 | 47.72 | | | |
| 12 | 47.72 | 51.73 | | | |
| 13 | 51.73 | 56.04 | | | |
| 14 | 56.04 | 60.11 | | | |
| 15 | 60.11 | 64.30 | | | |
| 16 | 64.30 | 68.60 | | | |
| 17 | 68.60 | 72.82 | | | |
| 18 | 72.82 | 77.11 | | | |
| 19 | 77.11 | 81.32 | | | |
| 20 | 81.32 | 85.62 | | | |
| 21 | 85.62 | 89.77 | | | |
| 22 | 89.77 | 93.88 | | | |
| 23 | 93.88 | 95.40 | | | |

# ROSY PROPERTY

| Grid East | Grid North | Easting | Northing | Elev. | Depth (m) |
|---|---|---|---|---|---|
| | | 567299 | 6755913 | 1715 | 99.97 |

**ZONE:**

**SECTION:**

**HOLE:** ROSY-10-03

**CLAIM:** YC 18059

Contractor: Top Rank

Drill:

Core size: HQ (99.97m / EOH)

Casing depth: 3.70 (m) in / **out**

Drilling dates: July 19 - 22 2010

Geology logged by: C. Chung

**TARGET:**

**SURVEY**

| Depth (m) | Azimuth | Dip | Method | Depth (m) | Azimuth | Dip | Method |
|---|---|---|---|---|---|---|---|
| collar | 20 | -45.0 | compass | | | | |

**SUMMARY**

| From (m) | To (m) | Interval | Unit | Comments |
|---|---|---|---|---|
| 0.00 | 3.70 | 3.70 | CAS | Casing/overburden; no recovery |
| 3.70 | 16.34 | 12.64 | DIO | |
| 16.34 | 32.35 | 16.01 | DIO | |
| 32.35 | 54.53 | 22.18 | DIO | possible fault at 39.64-39.94m |
| 54.53 | 71.26 | 16.73 | DIO | possible fault at 56.80-56.92m |
| 71.26 | 99.97 | 28.71 | DIO | |
| | EOH | | | |

**SAMPLES**

Numbers: J997580 - J997602

Total: 23

Batch: 1 (18), 2 (5 samples only)

Date Sent: July 29 2010

Certificate: WH10103513, WH10103512

**COMMENTS**

ROSY-10-03 was cored in a competent metadiorite.

The zones of interest begin at approximately 52.03m into the hole where the there is a mild increase in potassic/hematitic alteration. Moderately sheared zones associated with carbonate veining structures often are oxidized and orientated at approx 30-40° to core axis. There is also an increase in narrow carbonate veinlets between 52.03-99.97m (EOH) that may or may not be related to mineralization.

Overall weak sulphide mineralization is noted, generally occurring as finely disseminated pyrite with weak black magnetite. Possible arsenopyrite is also noted

# GEOLOGY LOG

HOLE: ROSY-10-03

| INTERVAL | | | SUB-INTERVAL | | | LITHOLOGY | | | ALTERATION | | | | | | STRUCTURE | | | | MINERALS | | | | | | | | DETAILED DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Other | | | | | | | | | Other | | Other | | | |
| From (m) | To (m) | Interval (m) | From (m) | To (m) | Interval (m) | Unit | Modifier | Texture | Chlorite | Epidote | Potassic | Oxidation | Type | Intensity | Type | Attitude (tca) | Attitude (tfa) | Density (frequency/m) | Pyrite | Arsenopyrite | Chalcopyrite | Type | Intensity | Type | Intensity | Photo | |
| 0.00 | 3.70 | 3.70 | | | | CAS | | | | | | | | | | | | | | | | | | | | | Casing/overburden; No recovery |
| 3.70 | 16.34 | 12.64 | | | | DIO | WH/GN | | tw | t | w | | He | tw | FO | | | | | | | | | | | | Diorite; Speckled cream/pink and dark green/black phaneritic igneous rock. Medium-coarse grained (<0.5cm) and subhedral in shape. Very weak foliation fabric noted throughout. Green colouring likely due to weak chlorite alteration with weak epidote while pink colouring likely to be hematite or potassic alteration. Matrix often appear more felsic (bleached) in pink zone. |
| | | | | | | | | | | | | | | | VT | 50 | | 3 | | | | | | | | | Low veining density; two styles. The first type consists of narrow quartz-carbonate stringers at steeper angles TCA. |
| | | | | | | | | | | w | | | | | VT | 30 | | 1 | | | | | | | | | The second type has the appearance of diffused silica and epidote flooding zones. |
| | | | | | | | | | | | | | | | | | | | t | | | Mg | t | | | | Trace finely disseminated pyrite. Rare magnetite specks. |
| | | | | | | | | | | | | | | | FX | 35-50 | | | | | | | | | | | Core rock is fairly competent with minor zones of rubble. Fracture surfaces are generally clean and rough with little to no hematite coating. |
| 16.34 | 32.35 | 16.01 | | | | DIO | BN/GN | | w | tw | tw | | He | f | FO | 40 | | | | | | | | | | | Diorite; Similar to 3.70-16.34m with stronger pink/brown colouring of the matrix (possibly hematite staining with weak pervasive potassic alteration). Appears to generally occur in diffused bands and often associate with narrow quartz-carbonate veinlets. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Narrow quartz-carbonate veinlets, similar to above with increased wispy green epidote veinlets. Narrow red-brown hematite stringers also noted. Hematite and epidote structures tend to occur at lower angles (<40°) TCA. |
| | | | | | | | | | | | | | | | | | | | | | | Mg | t | | | | Rare sulphides; finely disseminated magnetite with pyrite. |
| | | | | | | | | | | | | | | | FX | 40-50 | | 10 | | | | | | | | | Fracturing similar to unit above. |
| | | | 19.45 | 19.80 | 0.35 | | | | | | tw | t | Se | m | VT | 50 | | | | | | | | | | | Fracture zone leading into a minor interval of moderate sericite(?) flooding with quartz-carbonate vein. |
| | | | 23.53 | 26.76 | 3.23 | | WH/BK | | t | t | t | | He | t | | | | | | | | | | | | | Interval of decreased potassic/hematitic alteration. Matrix has black colouring; decreased chlorite. |
| | | | 29.47 | 29.49 | 0.02 | FLT? | | | | w | | | He | f | GO | 50 | | | | | | | | | | | Possible fault; narrow band of crushed rock. Epidote stringer and hematite stained granular gouge noted. |
| 32.35 | 54.53 | 22.18 | | | | DIO | WH/BK | | t | | t | | He | t | FO | 45 | | | | | | | | | | | Diorite; Similar to 3.70-16.34m with decreased alteration washes (chlorite, epidote, and potassic). Very weak foliation fabric present. |
| | | | | | | | | | | t | t | | He | tw | VT | 35-55 | | | | | | | | | | | Low-moderate vein density; has appearance of diffused bands of potassic or chlorite flooding. Narrow stringers of quartz-carbonate noted, often hematite stained. Wispy epidote veinlets present. |
| | | | | | | | | | | | | | He | w | FX | 50 | | 7 | | | | | | | | | Minor-moderate fracturing. Surfaces often coated thinly with hematite. Minor zones (<15cm) of rubble with sub rounded fragments. |
| | | | 39.64 | 39.94 | 0.30 | FLT? | | SH? | w | | | t | He | w | VT | 40 | | | | | | | | | | | Possible fault; minor gouge associated with carbonate veinlet. Envelope moderately hematite flooded. |
| | | | | | | | | | | | | | | | GO | | | | | | | | | | | | |
| 54.53 | 71.26 | 16.73 | | | | DIO | RD/GN | | w | | tw | | He | f | FO | | | | | | | | | | | | Diorite; Similar to 16.34-32.35m. Moderate-strong hematite staining of the matrix with moderate chlorite and minor epidote. Medium grained phenocrysts (<0.5cm) with weakly "fuzzy" grain boundaries. Very weakly foliated. |
| | | | | | | | | | | | | | | | VT | | | 12 | | | | | | | | | Low-moderate veining with narrow quartz infilled fractures. Two preferred orientations at approx 20° and approx 50° TCA. Minor zones of sheared(?) veins (approx 10cm across) at approx 30° TCA with minor granular gouge. Wispy epidote stringers also noted. |
| | | | | | | | | | | | | | | | | | | | t | | | | Mg | t | | | Slight increase in amount of finely disseminated pyrite throughout interval, generally associated with veining structures. Trace magnetite also present. |
| | | | 54.70 | 54.82 | 0.12 | | | BX | | | | | | | VT | 50 | | | | | | | | | | | Minor zone of brecciation with a calcite vein. |

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, l = 15-20%, (write % for >20%)

# GEOLOGY LOG

| INTERVAL | | | SUB-INTERVAL | | | LITHOLOGY | | | ALTERATION | | | | | | STRUCTURE | | | | MINERALS | | | | | | | | DETAILED DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Other | | | | | | | | | Other | | Other | | | |
| From (m) | To (m) | Interval (m) | From (m) | To (m) | Interval (m) | Unit | Modifier | Texture | Chlorite | Epidote | Potassic | Oxidation | Type | Intensity | Type | Attitude (tca) | Attitude (tfa) | Density (frequency/m) | Pyrite | Arsenopyrite | Chalcopyrite | Type | Intensity | Type | Intensity | Photo | |
| | | | 56.80 | 56.92 | 0.12 | FLT? | | SH | tw | w | | | He | tw | GO | 35 | | | | | | | | | | | Possible fault; fine granular gouge associated with carbonate veining structures. Matrix appears to be weakly brecciated with chlorite and epidote. Sharp upper contact with a slightly rubbly (brecciated?) lower contact. |
| | | | 59.23 | 59.92 | 0.69 | | BN | | f | | tw | m | He | w | VT | 10 | | | | | | | | | | | Low angle quartz vein, nearly sub parallel TCA. Fair-moderately oxidized matrix with moderate carbonate content. Matrix in this interval has appearance of moderate silicification. Lower potassic altered envelope to 60.23m. |
| | | | 61.39 | 61.48 | 0.09 | | YW/GN | | | | | | | | VT | 35 | | | | | | | | | | | Quartz-carbonate vein with minor gouge and hematite staining with several splays. The lowest splay has vuggy textures. |
| | | | | | | | | | | | | | | | GO | | | | | | | | | | | | |
| | | | 63.30 | 63.32 | 0.02 | | | | | | | w | He | tw | VT | 50 | | | | | | | | | | | Carbonate veinlet with moderate oxidation. |
| | | | 63.89 | 63.90 | 0.01 | | | | | | | | He | tw | VT | 55 | | | | | | | | | | | Carbonate veinlet. |
| | | | 65.47 | 65.78 | 0.31 | | | BX | f | w | | | He | m | VT | 40 | | | t | t? | | | | | | | Similar to 56.80-56.92m. Possible shear zone, appears brecciated at lower contact. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71.26 | 99.97 | 28.71 | | | | DIO | WH/BK | | tw | t | | | He | tw | | | | | | | | | | | | | Diorite; Similar to 32.35-54.32m. Weakly foliated, weak chlorite flooding with patchy hematite staining generally associated with veining structures. |
| | | | | | | | | | | | | | | | VT | 60 | | 15 | | | | | | | | | Increased veining density from uphole. Similar style with quartz-carbonate and epidote veinlets. |
| | | | | | | | | | | | | | | | | | | | t | | | | | | | | Rare-trace disseminated pyrite, often associated with veinlets. |
| | | | 78.31 | 79.23 | 0.92 | | | | W | | | | He | f | | | | | | | | | | | | | Minor increase in hematite flooding. |
| | | | 85.74 | 86.12 | 0.38 | | | SH? | | | | | He | f | VT | 50 | | | | t? | | | | | | | Chloritorized carbonate vein; appears to be weakly sheared. Envelopes are strongly hematite flooded. Possible arsenopyrite(?). |
| | | | 92.49 | 94.77 | 2.28 | | | | | | | w | Se | w | VT | 70 | | 10 | | | | | | | | | Interval of weak-moderate bleaching(?) with minor oxidation. Slight increase in carbonate veinlets. |
| | | | 93.40 | 93.58 | 0.18 | | | | | | | m | | | VN | 65 | | | | | | | | | | | Strongly oxidized carbonate vein. Minor amounts of gouge (possible shear?) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | EOH at 99.97m. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

n = none, t= <1%, w = 1-3%, f = 3-5%, m = 5-7%, ms = 7-10%, s = 10-15%, I = 15-20%, (write % for >20%)

# SAMPLE LOG

## HOLE: ROSY-10-03

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | Sample | Batch | Au (g/t) | Ag (g/t) | As (ppm) | Bi (ppm) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 3.70 | 3.70 | | | N/S | | | | | | No recovery |
| 3.70 | 52.03 | 48.33 | | | N/S | | | | | | Not of interest |
| 52.03 | 54.53 | 2.50 | 2.55 | 100 | J997580 | 1 | 0.0025 | 0.1 | 2 | 1 | |
| 54.53 | 56.80 | 2.27 | 2.22 | 100 | J997581 | 1 | 0.0025 | 0.1 | 3 | 1 | |
| 56.80 | 56.92 | 0.12 | 0.18 | 100 | J997582 | 1 | 0.0025 | 0.1 | 11 | 1 | |
| 56.92 | 59.23 | 2.31 | 2.14 | 98 | J997583 | 1 | 0.0025 | 0.1 | 2 | 1 | |
| 59.23 | 59.92 | 0.69 | 0.67 | 97 | J997584 | 1 | 0.006 | 0.3 | 51 | 1 | |
| | | | | | J997585 | 1 | 0.0025 | 0.1 | 5 | 1 | Blank |
| 59.92 | 62.26 | 2.34 | 2.34 | 100 | J997586 | 1 | 0.0025 | 0.1 | 2 | 1 | |
| 62.26 | 65.47 | 3.21 | 3.10 | 99 | J997587 | 1 | 0.0025 | 0.1 | 6 | 1 | |
| 65.47 | 65.78 | 0.31 | 0.32 | 100 | J997588 | 1 | 0.0025 | 0.1 | 6 | 1 | |
| 65.78 | 68.52 | 2.74 | 2.74 | 100 | J997589 | 1 | 0.0025 | 0.1 | 3 | 1 | |
| 68.52 | 71.26 | 2.74 | 2.62 | 96 | J997590 | 1 | 0.0025 | 0.1 | 1 | 1 | |
| | | | | | J997591 | 1 | 0.305 | 99 | 268 | 7 | Standard: CDN-ME-6 |
| 71.26 | 74.29 | 3.03 | 2.88 | 95 | J997592 | 1 | 0.0025 | 0.1 | 2 | 1 | |
| 74.29 | 77.11 | 2.82 | 2.64 | 94 | J997593 | 1 | 0.0025 | 0.1 | 1 | 1 | |
| 77.11 | 80.16 | 3.05 | 3.00 | 98 | J997594 | 1 | 0.0025 | 0.1 | 1 | 1 | |
| 80.16 | 83.21 | 3.05 | 2.95 | 97 | J997595 | 1 | 0.0025 | 0.2 | 1 | 1 | |
| 83.21 | 86.26 | 3.05 | 3.09 | 100 | J997596 | 1 | 0.0025 | 0.1 | 2 | 1 | |
| 86.26 | 89.31 | 3.05 | 3.03 | 99 | J997597 | 1 | 0.0025 | 0.1 | 1 | 1 | |
| 89.31 | 92.49 | 3.18 | 3.20 | 101 | J997598 | 2 | 0.0025 | 0.1 | 1 | 1 | |
| 92.49 | 94.77 | 2.28 | 2.26 | 99 | J997599 | 2 | 0.0025 | 0.1 | 9 | 1 | |
| | | | | | J997600 | 2 | 0.22 | 151 | 6110 | 13 | Standard: CDN-ME-7 |
| 94.77 | 97.47 | 2.70 | 2.57 | 95 | J997601 | 2 | 0.0025 | 0.1 | 4 | 1 | |
| 97.47 | 99.97 | 2.50 | 2.49 | 100 | J997602 | 2 | 0.0025 | 0.1 | 1 | 1 | EOH |

# GEOTECHNICAL LOG

HOLE: ROSY-10-03

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | RQD (m) | RQD (%) | Hardness | Weathering | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 3.96 | 3.96 | | 0 | | 0 | | | | |
| 3.96 | 5.49 | 1.53 | 1.28 | 84 | 0.81 | 53 | S | FR | | |
| 5.49 | 7.01 | 1.52 | 1.19 | 78 | 0.41 | 27 | S | FR | | |
| 7.01 | 8.53 | 1.52 | 1.53 | 101 | 1.16 | 76 | S | FR | | |
| 8.53 | 10.06 | 1.53 | 1.52 | 99 | 1.31 | 86 | S | FR | | |
| 10.06 | 11.58 | 1.52 | 1.51 | 99 | 1.22 | 80 | S | FR | | |
| 11.58 | 13.11 | 1.53 | 1.11 | 73 | 0.75 | 49 | S | FR | | |
| 13.11 | 14.63 | 1.52 | 1.39 | 91 | 1.20 | 79 | VS | FR | | |
| 14.63 | 16.15 | 1.52 | 1.06 | 70 | 0.75 | 49 | VS | FR | | |
| 16.15 | 17.68 | 1.53 | 1.53 | 100 | 1.28 | 84 | VS | FR | | |
| 17.68 | 19.20 | 1.52 | 1.38 | 91 | 1.08 | 71 | VS | FR | | |
| 19.20 | 20.73 | 1.53 | 1.53 | 100 | 1.34 | 88 | VS | FR | | |
| 20.73 | 22.25 | 1.52 | 1.11 | 73 | 0.92 | 61 | VS | FR | | |
| 22.25 | 23.77 | 1.52 | 0.85 | 56 | 0.35 | 23 | S | FR | | |
| 23.77 | 25.30 | 1.53 | 1.07 | 70 | 0.82 | 54 | VS | FR | | |
| 25.30 | 26.82 | 1.52 | 1.53 | 101 | 1.49 | 98 | VS | FR | | |
| 26.82 | 28.35 | 1.53 | 1.52 | 99 | 0.85 | 56 | S | FR | | |
| 28.35 | 29.87 | 1.52 | 1.56 | 103 | 0.97 | 64 | S | FR | | |
| 29.87 | 31.39 | 1.52 | 1.49 | 98 | 1.41 | 93 | VS | FR | | |
| 31.39 | 32.92 | 1.53 | 1.51 | 99 | 1.16 | 76 | S | FR | | |
| 32.92 | 34.44 | 1.52 | 1.54 | 101 | 1.32 | 87 | S | FR | | |
| 34.44 | 35.97 | 1.53 | 1.52 | 99 | 1.27 | 83 | S | FR | | |
| 35.97 | 37.49 | 1.52 | 1.53 | 101 | 1.36 | 89 | S | FR | | |
| 37.49 | 39.01 | 1.52 | 1.50 | 99 | 1.17 | 77 | S | FR | | |
| 39.01 | 40.54 | 1.53 | 1.52 | 99 | 1.18 | 77 | S | FR | | |
| 40.54 | 42.06 | 1.52 | 1.54 | 101 | 1.48 | 97 | VS | FR | | |
| 42.06 | 43.59 | 1.53 | 1.53 | 100 | 1.10 | 72 | VS | FR | | |
| 43.59 | 45.11 | 1.52 | 1.51 | 99 | 1.12 | 74 | VS | FR | | |
| 45.11 | 46.63 | 1.52 | 1.58 | 104 | 1.30 | 86 | VS | FR | | |
| 46.63 | 48.16 | 1.53 | 1.49 | 97 | 1.18 | 77 | VS | FR | | |
| 48.16 | 49.68 | 1.52 | 1.51 | 99 | 1.29 | 85 | S | FR | | |
| 49.68 | 51.21 | 1.53 | 1.54 | 101 | 1.54 | 101 | S | FR | | |
| 51.21 | 52.73 | 1.52 | 1.52 | 100 | 1.39 | 91 | S | FR | | |
| 52.73 | 54.25 | 1.52 | 1.54 | 101 | 1.46 | 96 | S | FR | | |
| 54.25 | 55.78 | 1.53 | 1.53 | 100 | 1.29 | 84 | VS | FR | | |
| 55.78 | 57.30 | 1.52 | 1.51 | 99 | 1.08 | 71 | VS | FR | | |
| 57.30 | 58.83 | 1.53 | 1.52 | 99 | 1.15 | 75 | S | FR | | |

# GEOTECHNICAL LOG

| From (m) | To (m) | Interval (m) | Recovery (m) | Recovery (%) | RQD (m) | RQD (%) | Hardness | Weathering | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 58.83 | 60.35 | 1.52 | 1.52 | 100 | 1.24 | 82 | S | FR | | |
| 60.35 | 61.87 | 1.52 | 1.54 | 101 | 1.08 | 71 | S | FR | | |
| 61.87 | 63.40 | 1.53 | 1.53 | 100 | 1.25 | 82 | VS | FR | | |
| 63.40 | 64.92 | 1.52 | 1.52 | 100 | 1.52 | 100 | VS | FR | | |
| 64.92 | 66.45 | 1.53 | 1.51 | 99 | 1.12 | 73 | VS | FR | | |
| 66.45 | 67.97 | 1.52 | 1.53 | 101 | 1.46 | 96 | S | FR | | |
| 67.97 | 69.49 | 1.52 | 1.52 | 100 | 1.47 | 97 | S | FR | | |
| 69.49 | 71.02 | 1.53 | 1.46 | 95 | 1.18 | 77 | S | FR | | |
| 71.02 | 72.54 | 1.52 | 1.48 | 97 | 1.40 | 92 | S | FR | | |
| 72.54 | 74.07 | 1.53 | 1.53 | 100 | 1.44 | 94 | S | FR | | |
| 74.07 | 75.59 | 1.52 | 1.53 | 101 | 1.27 | 84 | S | FR | | |
| 75.59 | 77.11 | 1.52 | 1.45 | 95 | 1.45 | 95 | S | FR | | |
| 77.11 | 78.64 | 1.53 | 1.52 | 99 | 1.52 | 99 | S | FR | | |
| 78.64 | 80.16 | 1.52 | 1.53 | 101 | 1.40 | 92 | S | FR | | |
| 80.16 | 81.69 | 1.53 | 1.53 | 100 | 1.53 | 100 | S | FR | | |
| 81.69 | 83.21 | 1.52 | 1.54 | 101 | 1.47 | 97 | S | FR | | |
| 83.21 | 84.73 | 1.52 | 1.55 | 102 | 1.23 | 81 | S | FR | | |
| 84.73 | 86.26 | 1.53 | 1.54 | 101 | 1.27 | 83 | S | FR | | |
| 86.26 | 87.78 | 1.52 | 1.54 | 101 | 1.21 | 80 | S | FR | | |
| 87.78 | 89.31 | 1.53 | 1.52 | 99 | 1.46 | 95 | S | FR | | |
| 89.31 | 90.83 | 1.52 | 1.55 | 102 | 1.37 | 90 | S | FR | | |
| 90.83 | 92.35 | 1.52 | 1.50 | 99 | 1.50 | 99 | S | FR | | |
| 92.35 | 93.88 | 1.53 | 1.52 | 99 | 1.52 | 99 | S | FR | | |
| 93.88 | 95.40 | 1.52 | 1.52 | 100 | 1.35 | 89 | S | FR | | |
| 95.40 | 96.93 | 1.53 | 1.50 | 98 | 0.43 | 28 | S | FR | | |
| 96.93 | 98.45 | 1.52 | 1.52 | 100 | 1.42 | 93 | S | FR | | |
| 98.45 | 99.97 | 1.52 | 1.53 | 101 | 1.53 | 101 | S | FR | | End of Hole |

# DENSITY LOG

## HOLE: ROSY-10-03

| Depth (m) | Unit | Modifier | MINERALS | | | | Comments | Length (cm) | Diameter (cm | Dry weight | Wet Weight | Density | Specific Gravity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Py % | As % | Other | % | | | | | | | |
| 19.82 | DIO | BN/G | | | | | | 12.6 | 5.6 | 678.6 | 514.9 | 2.19 | 4.15 |
| 54.25 | DIO | WH/BK | | | | | | 12.4 | 5.6 | 671.0 | 499.5 | 2.19 | 3.91 |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
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| | | | | | | | | | | | | #DIV/0! | #DIV/0! |
| | | | | | | | | | | | | #DIV/0! | #DIV/0! |

# MAGNETIC SUSCEPTIBILITY LOG

**HOLE:** ROSY-10-03

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 1.00 | | | | |
| 2.00 | | | | |
| 3.00 | | | | |
| 4.00 | | | 7.82 | |
| 5.00 | | | 11.80 | |
| 6.00 | | | 12.20 | |
| 7.00 | | | 7.25 | |
| 8.00 | | | 9.30 | |
| 9.00 | | | 6.31 | |
| 10.00 | | | 10.90 | |
| 11.00 | | | 7.94 | |
| 12.00 | | | 7.02 | |
| 13.00 | | | 7.35 | |
| 14.00 | | | 6.01 | |
| 15.00 | | | | no core just crumbled rock |
| 16.00 | | | 8.28 | |
| 17.00 | | | 9.29 | |
| 18.00 | | | 3.15 | |
| 19.00 | | | 6.43 | |
| 20.00 | | | 6.03 | |
| 21.00 | | | 9.91 | |
| 22.00 | | | 8.85 | |
| 23.00 | | | 9.40 | |
| 24.00 | | | 7.61 | |
| 25.00 | | | 7.37 | |
| 26.00 | | | 1.09 | |
| 27.00 | | | 2.50 | |
| 28.00 | | | 1.71 | |
| 29.00 | | | 3.76 | |
| 30.00 | | | 4.43 | |
| 31.00 | | | 3.10 | |
| 32.00 | | | 8.73 | |
| 33.00 | | | 8.21 | |
| 34.00 | | | 7.03 | |
| 35.00 | | | 5.72 | |
| 36.00 | | | 9.05 | |
| 37.00 | | | 9.20 | |
| 38.00 | | | 10.90 | |
| 39.00 | | | 7.62 | |
| 40.00 | | | 10.10 | |
| 41.00 | | | 6.14 | |
| 42.00 | | | 10.10 | |
| 43.00 | | | 10.10 | |
| 44.00 | | | 9.47 | |

# MAGNETIC SUSCEPTIBILITY LOG

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 45.00 | | | 7.66 | |
| 46.00 | | | 11.50 | |
| 47.00 | | | 9.25 | |
| 48.00 | | | 5.44 | |
| 49.00 | | | 8.88 | |
| 50.00 | | | 16.20 | |
| 51.00 | | | 9.18 | |
| 52.00 | | | 12.80 | |
| 53.00 | | | 7.25 | |
| 54.00 | | | 7.03 | |
| 55.00 | | | 5.72 | |
| 56.00 | | | 3.62 | |
| 57.00 | | | 1.04 | |
| 58.00 | | | 0.55 | |
| 59.00 | | | 1.26 | |
| 60.00 | | | 0.80 | |
| 61.00 | | | 6.21 | |
| 62.00 | | | 4.08 | |
| 63.00 | | | 5.02 | |
| 64.00 | | | 4.11 | |
| 65.00 | | | 4.55 | |
| 66.00 | | | 4.90 | |
| 67.00 | | | 4.82 | |
| 68.00 | | | 5.74 | |
| 69.00 | | | 5.99 | |
| 70.00 | | | 6.66 | |
| 71.00 | | | 1.89 | |
| 72.00 | | | 8.63 | |
| 73.00 | | | 9.79 | |
| 74.00 | | | 8.14 | |
| 75.00 | | | 9.45 | |
| 76.00 | | | 7.67 | |
| 77.00 | | | 8.40 | |
| 78.00 | | | 6.85 | |
| 79.00 | | | 1.19 | |
| 80.00 | | | 8.73 | |
| 81.00 | | | 5.91 | |
| 82.00 | | | 4.65 | |
| 83.00 | | | 2.85 | |
| 84.00 | | | 1.46 | |
| 85.00 | | | 4.30 | |
| 86.00 | | | 0.38 | |
| 87.00 | | | 2.92 | |
| 88.00 | | | 3.74 | |
| 89.00 | | | 5.32 | |
| 90.00 | | | 3.76 | |

# MAGNETIC SUSCEPTIBILITY LOG

| Depth (m) | Unit | Modifier | Magnetic Susceptibility | Comments |
|---|---|---|---|---|
| 91.00 | | | 4.78 | |
| 92.00 | | | 2.90 | |
| 93.00 | | | 0.48 | |
| 94.00 | | | 0.62 | |
| 95.00 | | | 2.80 | |
| 96.00 | | | 2.63 | |
| 97.00 | | | 1.24 | |
| 98.00 | | | 1.84 | |
| 99.00 | | | 5.98 | |
| 100.00 | | | 1.57 | Hole ends at 99.97m |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

# BOX LOG

## HOLE: ROSY-10-03

| BOX | FROM (m) | TO (m) | BOX | FROM (m) | TO (m) |
|---|---|---|---|---|---|
| 1 | 3.70 | 8.12 | | | |
| 2 | 8.12 | 12.56 | | | |
| 3 | 12.56 | 17.00 | | | |
| 4 | 17.00 | 20.86 | | | |
| 5 | 20.86 | 26.26 | | | |
| 6 | 26.26 | 30.06 | | | |
| 7 | 30.06 | 34.44 | | | |
| 8 | 34.44 | 38.61 | | | |
| 9 | 38.61 | 42.80 | | | |
| 10 | 42.80 | 46.63 | | | |
| 11 | 46.63 | 51.06 | | | |
| 12 | 51.06 | 55.21 | | | |
| 13 | 55.21 | 59.48 | | | |
| 14 | 59.48 | 63.65 | | | |
| 15 | 63.65 | 67.97 | | | |
| 16 | 67.97 | 72.45 | | | |
| 17 | 72.45 | 76.60 | | | |
| 18 | 76.60 | 80.72 | | | |
| 19 | 80.72 | 84.73 | | | |
| 20 | 84.73 | 88.93 | | | |
| 21 | 88.93 | 93.23 | | | |
| 22 | 93.23 | 97.47 | | | |
| 23 | 97.47 | 99.97 | | | |

# APPENDIX III

# CERTIFICATE OF ANALYSIS

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 9-AUG-2010**
**Account: F**

# CERTIFICATE WH10103513

Project: ROSY
P.O. No.: BATCH 1
This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2010.
The following have access to data associated with this certificate:

| | | |
|---|---|---|
| JOAN MARIACHER | BILL WENGZYNOWSKI | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-24 | Pulp Login - Rcd w/o Barcode |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Pb-OG46 | Ore Grade Pb - Aqua Regia | VARIABLE |
| Zn-OG46 | Ore Grade Zn - Aqua Regia | VARIABLE |
| Au-AA24 | Au 50g FA AA finish | AAS |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |
| ME-OG46 | Ore Grade Elements - AquaRegia | ICP-AES |

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
**ATTN: JOAN MARIACHER**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

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

**Signature:**
Colin Ramshaw, Vancouver Laboratory Manager

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 9-AUG-2010
Account: F

Project: ROSY

# CERTIFICATE OF ANALYSIS WH10103513

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 | ME-ICP41 Ga ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J997562 | | 7.09 | <0.2 | 1.18 | 3 | <10 | 170 | <0.5 | <2 | 1.08 | <0.5 | 7 | 25 | 28 | 1.86 | <10 |
| J997563 | | 4.15 | <0.2 | 1.12 | 12 | <10 | 260 | <0.5 | <2 | 1.43 | <0.5 | 7 | 26 | 30 | 2.02 | <10 |
| J997564 | | 2.39 | 4.1 | 0.52 | 1725 | <10 | 110 | <0.5 | <2 | 1.53 | <0.5 | 9 | 9 | 29 | 3.11 | <10 |
| J997565 | | 3.50 | 0.9 | 0.51 | 1345 | <10 | 140 | 0.5 | <2 | 5.23 | <0.5 | 6 | 8 | 17 | 2.61 | <10 |
| J997566 | | 2.81 | <0.2 | 0.04 | 5 | <10 | 20 | <0.5 | <2 | 20.6 | <0.5 | <1 | 1 | 2 | 0.41 | <10 |
| J997567 | | 5.96 | <0.2 | 1.27 | 22 | <10 | 300 | <0.5 | <2 | 3.09 | <0.5 | 9 | 29 | 30 | 2.74 | <10 |
| J997568 | | 6.53 | <0.2 | 1.29 | 4 | <10 | 150 | <0.5 | <2 | 1.33 | <0.5 | 8 | 29 | 23 | 2.19 | 10 |
| J997569 | | 7.07 | <0.2 | 1.39 | 4 | <10 | 100 | <0.5 | <2 | 1.50 | <0.5 | 9 | 31 | 25 | 2.41 | <10 |
| J997570 | | 8.21 | <0.2 | 1.15 | 2 | <10 | 310 | <0.5 | <2 | 1.22 | <0.5 | 8 | 26 | 16 | 1.88 | <10 |
| J997571 | | 2.15 | 0.6 | 1.37 | 220 | <10 | 270 | <0.5 | <2 | 4.04 | <0.5 | 11 | 25 | 24 | 3.41 | 10 |
| J997572 | | 0.26 | >100 | 0.72 | 7080 | <10 | 50 | 0.5 | 12 | 12.4 | 333 | 19 | 18 | 2790 | 4.77 | <10 |
| J997573 | | 8.50 | 0.2 | 1.30 | 11 | <10 | 260 | <0.5 | <2 | 1.52 | <0.5 | 8 | 29 | 22 | 2.18 | 10 |
| J997574 | | 9.59 | <0.2 | 1.28 | 17 | <10 | 320 | <0.5 | <2 | 1.49 | <0.5 | 9 | 30 | 19 | 2.27 | 10 |
| J997575 | | 1.32 | 1.9 | 0.44 | 9070 | <10 | 140 | 0.5 | <2 | 2.80 | <0.5 | 9 | 6 | 15 | 2.49 | <10 |
| J997576 | | 3.93 | <0.2 | 1.53 | 38 | <10 | 8180 | 0.7 | <2 | 0.61 | <0.5 | 2 | 2 | <1 | 1.37 | <10 |
| J997577 | | 1.90 | 9.1 | 0.52 | 6940 | <10 | 130 | 0.6 | <2 | 3.04 | <0.5 | 8 | 3 | 44 | 2.80 | <10 |
| J997578 | | 9.09 | <0.2 | 1.51 | 21 | <10 | 350 | 0.5 | <2 | 2.07 | <0.5 | 9 | 34 | 18 | 2.63 | 10 |
| J997579 | | 4.31 | <0.2 | 1.40 | 21 | <10 | 260 | <0.5 | <2 | 1.99 | <0.5 | 10 | 30 | 16 | 2.55 | 10 |
| J997580 | | 8.56 | <0.2 | 1.31 | 2 | <10 | 340 | <0.5 | <2 | 1.52 | <0.5 | 8 | 36 | 4 | 2.67 | 10 |
| J997581 | | 7.72 | <0.2 | 1.62 | 3 | <10 | 150 | <0.5 | <2 | 3.35 | <0.5 | 10 | 41 | 3 | 3.26 | 10 |
| J997582 | | 0.79 | <0.2 | 1.39 | 11 | <10 | 60 | 0.6 | <2 | 11.9 | <0.5 | 6 | 17 | <1 | 2.32 | 10 |
| J997583 | | 7.67 | <0.2 | 1.70 | 2 | <10 | 360 | 0.5 | <2 | 3.78 | <0.5 | 11 | 43 | 2 | 3.63 | 10 |
| J997584 | | 2.29 | 0.3 | 0.95 | 51 | <10 | 140 | <0.5 | <2 | 9.6 | <0.5 | 7 | 17 | 1 | 2.60 | <10 |
| J997585 | | 4.36 | <0.2 | 0.05 | 5 | <10 | 20 | <0.5 | <2 | 21.5 | <0.5 | <1 | 1 | <1 | 0.44 | <10 |
| J997586 | | 8.11 | <0.2 | 1.51 | 2 | <10 | 370 | <0.5 | <2 | 3.28 | <0.5 | 10 | 37 | 4 | 3.11 | 10 |
| J997587 | | 11.75 | <0.2 | 1.44 | 6 | <10 | 170 | 0.5 | <2 | 2.81 | <0.5 | 10 | 39 | 5 | 3.15 | 10 |
| J997588 | | 0.98 | <0.2 | 1.42 | 6 | <10 | 50 | 0.7 | <2 | 10.2 | <0.5 | 8 | 25 | <1 | 2.65 | 10 |
| J997589 | | 9.43 | <0.2 | 1.53 | 3 | <10 | 70 | <0.5 | <2 | 1.99 | <0.5 | 10 | 38 | 4 | 3.07 | 10 |
| J997590 | | 9.32 | <0.2 | 1.42 | <2 | <10 | 80 | <0.5 | <2 | 2.19 | <0.5 | 10 | 38 | 4 | 3.05 | 10 |
| J997591 | | 0.27 | >100 | 1.26 | 268 | <10 | 100 | <0.5 | 7 | 0.61 | 24.2 | 10 | 32 | 6750 | 5.41 | 10 |
| J997592 | | 10.36 | <0.2 | 1.17 | 2 | <10 | 310 | <0.5 | <2 | 1.18 | <0.5 | 7 | 37 | 10 | 2.39 | 10 |
| J997593 | | 9.75 | <0.2 | 0.94 | <2 | <10 | 120 | <0.5 | <2 | 1.01 | <0.5 | 6 | 31 | 5 | 2.18 | 10 |
| J997594 | | 11.55 | <0.2 | 1.28 | <2 | <10 | 200 | <0.5 | <2 | 1.97 | <0.5 | 8 | 37 | 6 | 2.63 | 10 |
| J997595 | | 11.02 | 0.2 | 1.43 | <2 | <10 | 70 | <0.5 | <2 | 1.60 | <0.5 | 9 | 41 | 6 | 2.93 | 10 |
| J997596 | | 11.15 | <0.2 | 1.57 | 2 | <10 | 50 | 0.5 | <2 | 2.37 | <0.5 | 10 | 41 | 5 | 2.96 | 10 |
| J997597 | | 9.82 | <0.2 | 1.50 | <2 | <10 | 120 | <0.5 | <2 | 1.92 | <0.5 | 10 | 42 | 6 | 2.90 | 10 |

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To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 9-AUG-2010
Account: F

Project: ROSY

# CERTIFICATE OF ANALYSIS WH10103513

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Hg ppm 1 | ME-ICP41 K % 0.01 | ME-ICP41 La ppm 10 | ME-ICP41 Mg % 0.01 | ME-ICP41 Mn ppm 5 | ME-ICP41 Mo ppm 1 | ME-ICP41 Na % 0.01 | ME-ICP41 Ni ppm 1 | ME-ICP41 P ppm 10 | ME-ICP41 Pb ppm 2 | ME-ICP41 S % 0.01 | ME-ICP41 Sb ppm 2 | ME-ICP41 Sc ppm 1 | ME-ICP41 Sr ppm 1 | ME-ICP41 Th ppm 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J997562 | | <1 | 0.14 | 10 | 0.72 | 416 | <1 | 0.08 | 9 | 790 | 4 | 0.07 | <2 | 4 | 80 | <20 |
| J997563 | | <1 | 0.15 | 10 | 0.72 | 459 | <1 | 0.09 | 10 | 790 | 5 | 0.12 | <2 | 5 | 102 | <20 |
| J997564 | | <1 | 0.20 | 10 | 0.24 | 771 | <1 | 0.02 | 11 | 800 | 8 | 0.82 | 40 | 5 | 22 | <20 |
| J997565 | | <1 | 0.20 | 10 | 0.86 | 927 | <1 | 0.02 | 8 | 630 | 5 | 0.16 | 27 | 5 | 104 | <20 |
| J997566 | | <1 | 0.02 | <10 | 12.50 | 199 | <1 | 0.02 | 7 | 260 | 7 | <0.01 | <2 | <1 | 55 | <20 |
| J997567 | | <1 | 0.18 | 10 | 1.05 | 737 | <1 | 0.05 | 13 | 860 | 6 | 0.28 | <2 | 7 | 129 | <20 |
| J997568 | | <1 | 0.14 | 10 | 0.97 | 523 | <1 | 0.07 | 11 | 890 | 4 | 0.06 | <2 | 5 | 82 | <20 |
| J997569 | | <1 | 0.13 | 10 | 1.02 | 566 | <1 | 0.07 | 11 | 930 | 4 | 0.06 | <2 | 5 | 85 | <20 |
| J997570 | | <1 | 0.16 | 10 | 0.75 | 405 | <1 | 0.09 | 10 | 940 | 4 | 0.08 | <2 | 4 | 84 | <20 |
| J997571 | | <1 | 0.20 | 10 | 0.86 | 768 | <1 | 0.04 | 14 | 930 | 8 | 0.46 | 7 | 5 | 73 | <20 |
| J997572 | | 9 | 0.14 | 10 | 0.48 | 6140 | 3 | 0.03 | 20 | 870 | >10000 | 8.4 | 133 | 2 | 632 | <20 |
| J997573 | | <1 | 0.16 | 10 | 0.87 | 495 | <1 | 0.08 | 11 | 970 | 38 | 0.08 | <2 | 4 | 99 | <20 |
| J997574 | | <1 | 0.15 | 10 | 0.93 | 504 | <1 | 0.07 | 12 | 930 | 11 | 0.21 | 2 | 5 | 87 | <20 |
| J997575 | | <1 | 0.24 | 10 | 0.57 | 416 | <1 | 0.02 | 9 | 570 | 12 | 1.71 | 154 | 2 | 86 | <20 |
| J997576 | | <1 | 0.33 | 30 | 0.31 | 194 | <1 | 1.06 | 1 | 350 | 14 | 0.04 | 2 | 1 | 750 | 20 |
| J997577 | | <1 | 0.24 | 10 | 0.57 | 491 | 3 | 0.05 | 10 | 620 | 12 | 2.26 | 130 | 2 | 140 | <20 |
| J997578 | | <1 | 0.17 | 10 | 1.06 | 595 | <1 | 0.08 | 13 | 960 | 6 | 0.12 | 2 | 7 | 126 | <20 |
| J997579 | | <1 | 0.17 | 10 | 1.01 | 566 | <1 | 0.06 | 12 | 980 | 5 | 0.23 | 3 | 7 | 108 | <20 |
| J997580 | | <1 | 0.13 | 10 | 1.06 | 540 | <1 | 0.10 | 12 | 1020 | 4 | 0.03 | <2 | 5 | 91 | <20 |
| J997581 | | <1 | 0.11 | 10 | 1.28 | 753 | <1 | 0.07 | 14 | 1000 | 4 | 0.02 | <2 | 8 | 124 | <20 |
| J997582 | | <1 | 0.17 | 10 | 0.73 | 1390 | <1 | 0.02 | 8 | 580 | 6 | 0.02 | <2 | 4 | 240 | <20 |
| J997583 | | <1 | 0.16 | 10 | 1.35 | 846 | <1 | 0.06 | 14 | 960 | 4 | 0.02 | <2 | 6 | 132 | <20 |
| J997584 | | <1 | 0.16 | 10 | 0.75 | 1050 | <1 | 0.03 | 9 | 640 | 5 | 0.24 | <2 | 4 | 182 | <20 |
| J997585 | | <1 | 0.02 | <10 | 12.85 | 207 | <1 | 0.02 | 3 | 260 | 2 | <0.01 | <2 | <1 | 63 | <20 |
| J997586 | | <1 | 0.13 | 10 | 1.13 | 737 | <1 | 0.07 | 14 | 940 | 5 | 0.04 | <2 | 7 | 137 | <20 |
| J997587 | | <1 | 0.12 | 10 | 1.07 | 665 | <1 | 0.06 | 14 | 980 | 5 | 0.06 | <2 | 8 | 131 | <20 |
| J997588 | | <1 | 0.25 | 10 | 0.94 | 1230 | <1 | 0.02 | 10 | 690 | 7 | 0.02 | <2 | 4 | 199 | <20 |
| J997589 | | <1 | 0.14 | 10 | 1.36 | 672 | <1 | 0.06 | 13 | 950 | 3 | 0.01 | <2 | 7 | 83 | <20 |
| J997590 | | <1 | 0.16 | 10 | 1.10 | 669 | <1 | 0.07 | 13 | 970 | 3 | 0.01 | <2 | 6 | 74 | <20 |
| J997591 | | 1 | 0.10 | <10 | 0.76 | 1660 | 19 | 0.07 | 28 | 450 | >10000 | 2.34 | 438 | 4 | 28 | <20 |
| J997592 | | <1 | 0.21 | <10 | 0.88 | 469 | <1 | 0.13 | 11 | 980 | 15 | 0.02 | <2 | 4 | 57 | <20 |
| J997593 | | <1 | 0.15 | 10 | 0.65 | 352 | <1 | 0.11 | 9 | 910 | 4 | 0.02 | <2 | 3 | 59 | <20 |
| J997594 | | <1 | 0.12 | 10 | 1.02 | 594 | <1 | 0.08 | 11 | 940 | 5 | 0.02 | <2 | 6 | 75 | <20 |
| J997595 | | <1 | 0.15 | 10 | 1.21 | 682 | <1 | 0.09 | 12 | 990 | 4 | 0.01 | <2 | 7 | 63 | <20 |
| J997596 | | <1 | 0.13 | 10 | 1.24 | 666 | <1 | 0.06 | 14 | 950 | 4 | 0.02 | <2 | 7 | 118 | <20 |
| J997597 | | <1 | 0.10 | 10 | 1.24 | 653 | <1 | 0.07 | 15 | 990 | 4 | 0.03 | <2 | 7 | 120 | <20 |

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To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 9-AUG-2010
Account: F

Project: ROSY

# CERTIFICATE OF ANALYSIS WH10103513

| Sample Description | Method / Analyte / Units / LOR | ME-ICP41 Ti % 0.01 | ME-ICP41 Tl ppm 10 | ME-ICP41 U ppm 10 | ME-ICP41 V ppm 1 | ME-ICP41 W ppm 10 | ME-ICP41 Zn ppm 2 | Ag-OG46 Ag ppm 1 | Pb-OG46 Pb % 0.001 | Zn-OG46 Zn % 0.001 | Au-AA24 Au ppm 0.005 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| J997562 | | 0.13 | <10 | <10 | 46 | <10 | 41 | | | | <0.005 |
| J997563 | | 0.12 | <10 | <10 | 48 | <10 | 43 | | | | <0.005 |
| J997564 | | <0.01 | <10 | <10 | 18 | 10 | 56 | | | | 0.331 |
| J997565 | | <0.01 | <10 | <10 | 25 | <10 | 39 | | | | 0.203 |
| J997566 | | <0.01 | <10 | <10 | 2 | <10 | 19 | | | | <0.005 |
| J997567 | | 0.04 | <10 | <10 | 53 | <10 | 55 | | | | <0.005 |
| J997568 | | 0.14 | <10 | <10 | 55 | <10 | 51 | | | | <0.005 |
| J997569 | | 0.15 | <10 | <10 | 60 | <10 | 53 | | | | <0.005 |
| J997570 | | 0.13 | <10 | <10 | 47 | <10 | 41 | | | | <0.005 |
| J997571 | | <0.01 | <10 | <10 | 46 | <10 | 65 | | | | 0.049 |
| J997572 | | <0.01 | <10 | <10 | 14 | 10 | >10000 | 151 | 4.80 | 4.84 | 0.204 |
| J997573 | | 0.13 | <10 | <10 | 53 | <10 | 106 | | | | <0.005 |
| J997574 | | 0.10 | <10 | <10 | 51 | <10 | 58 | | | | <0.005 |
| J997575 | | <0.01 | <10 | <10 | 8 | <10 | 68 | | | | 4.15 |
| J997576 | | 0.09 | <10 | <10 | 13 | <10 | 37 | | | | 0.008 |
| J997577 | | <0.01 | <10 | <10 | 57 | <10 | 73 | | | | 2.12 |
| J997578 | | 0.07 | <10 | <10 | 63 | <10 | 58 | | | | <0.005 |
| J997579 | | 0.06 | <10 | <10 | 58 | <10 | 53 | | | | <0.005 |
| J997580 | | 0.18 | <10 | <10 | 78 | <10 | 48 | | | | <0.005 |
| J997581 | | 0.09 | <10 | <10 | 87 | <10 | 60 | | | | <0.005 |
| J997582 | | <0.01 | <10 | <10 | 39 | <10 | 68 | | | | <0.005 |
| J997583 | | 0.01 | <10 | <10 | 83 | <10 | 65 | | | | <0.005 |
| J997584 | | <0.01 | <10 | <10 | 34 | <10 | 41 | | | | 0.006 |
| J997585 | | <0.01 | <10 | <10 | 2 | <10 | 18 | | | | <0.005 |
| J997586 | | 0.06 | <10 | <10 | 75 | <10 | 58 | | | | <0.005 |
| J997587 | | 0.07 | <10 | <10 | 80 | <10 | 58 | | | | <0.005 |
| J997588 | | 0.01 | <10 | <10 | 56 | <10 | 45 | | | | <0.005 |
| J997589 | | 0.11 | <10 | <10 | 82 | <10 | 56 | | | | <0.005 |
| J997590 | | 0.09 | <10 | <10 | 83 | <10 | 57 | | | | <0.005 |
| J997591 | | 0.09 | <10 | <10 | 43 | <10 | 5150 | 99 | 0.994 | | 0.305 |
| J997592 | | 0.18 | <10 | <10 | 75 | <10 | 46 | | | | <0.005 |
| J997593 | | 0.17 | <10 | <10 | 68 | <10 | 33 | | | | <0.005 |
| J997594 | | 0.14 | <10 | <10 | 73 | <10 | 47 | | | | <0.005 |
| J997595 | | 0.17 | <10 | <10 | 86 | <10 | 52 | | | | <0.005 |
| J997596 | | 0.08 | <10 | <10 | 79 | <10 | 57 | | | | <0.005 |
| J997597 | | 0.13 | <10 | <10 | 82 | <10 | 57 | | | | <0.005 |

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 8-AUG-2010**
**Account: F**

# CERTIFICATE WH10103512

Project: Rosy
P.O. No.: BATCH 2
This report is for 5 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL-2010.
The following have access to data associated with this certificate:

| | | |
|---|---|---|
| JOAN MARIACHER | BILL WENGZYNOWSKI | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |
| LOG-24 | Pulp Login - Rcd w/o Barcode |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES |
| Ag-OG46 | Ore Grade Ag - Aqua Regia | VARIABLE |
| ME-OG46 | Ore Grade Elements - AquaRegia | ICP-AES |
| Pb-OG46 | Ore Grade Pb - Aqua Regia | VARIABLE |
| Zn-OG46 | Ore Grade Zn - Aqua Regia | VARIABLE |
| Au-AA24 | Au 50g FA AA finish | AAS |

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
**ATTN: JOAN MARIACHER**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**

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

**Signature:**
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8


Finalized Date: 8-AUG-2010
Account: F

Project: Rosy

# CERTIFICATE OF ANALYSIS WH10103512

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA24 Au ppm 0.005 | ME-ICP41 Ag ppm 0.2 | ME-ICP41 Al % 0.01 | ME-ICP41 As ppm 2 | ME-ICP41 B ppm 10 | ME-ICP41 Ba ppm 10 | ME-ICP41 Be ppm 0.5 | ME-ICP41 Bi ppm 2 | ME-ICP41 Ca % 0.01 | ME-ICP41 Cd ppm 0.5 | ME-ICP41 Co ppm 1 | ME-ICP41 Cr ppm 1 | ME-ICP41 Cu ppm 1 | ME-ICP41 Fe % 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J997598 | | 11.57 | <0.005 | <0.2 | 1.72 | <2 | <10 | 220 | <0.5 | <2 | 1.99 | <0.5 | 10 | 40 | 9 | 3.03 |
| J997599 | | 8.31 | <0.005 | <0.2 | 1.82 | 9 | <10 | 160 | 0.6 | <2 | 4.61 | <0.5 | 11 | 30 | 8 | 3.28 |
| J997600 | | 0.26 | 0.220 | >100 | 0.76 | 6110 | <10 | 50 | 0.5 | 13 | 12.3 | 336 | 19 | 18 | 2700 | 4.49 |
| J997601 | | 9.61 | <0.005 | <0.2 | 1.74 | 4 | <10 | 180 | 0.5 | <2 | 3.08 | <0.5 | 12 | 46 | 14 | 3.29 |
| J997602 | | 9.15 | <0.005 | <0.2 | 1.77 | <2 | <10 | 300 | <0.5 | <2 | 2.96 | <0.5 | 11 | 39 | 9 | 3.12 |

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Finalized Date: 8-AUG-2010
Account: F

Project: Rosy

# CERTIFICATE OF ANALYSIS WH10103512

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr |
| | Units | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOR | 10 | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 |
| J997598 | | 10 | 1 | 0.18 | 10 | 1.35 | 663 | <1 | 0.09 | 14 | 960 | 9 | 0.02 | <2 | 7 | 120 |
| J997599 | | 10 | <1 | 0.28 | 10 | 1.04 | 791 | <1 | 0.04 | 14 | 970 | 6 | 0.14 | <2 | 5 | 138 |
| J997600 | | <10 | 8 | 0.15 | 10 | 0.47 | 5990 | 3 | 0.03 | 19 | 870 | >10000 | 7.4 | 129 | 2 | 612 |
| J997601 | | 10 | <1 | 0.19 | 10 | 1.28 | 701 | <1 | 0.06 | 19 | 940 | 7 | 0.05 | 3 | 8 | 146 |
| J997602 | | 10 | <1 | 0.19 | 10 | 1.29 | 717 | <1 | 0.07 | 13 | 970 | 10 | 0.04 | <2 | 7 | 154 |

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Finalized Date: 8-AUG-2010
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Project: Rosy

# CERTIFICATE OF ANALYSIS WH10103512

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Pb-OG46 | Zn-OG46 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn | Ag | Pb | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | LOR | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 | 1 | 0.001 | 0.001 |
| J997598 | | <20 | 0.14 | <10 | <10 | 87 | <10 | 59 | | | |
| J997599 | | <20 | <0.01 | <10 | <10 | 57 | <10 | 58 | | | |
| J997600 | | <20 | <0.01 | <10 | <10 | 14 | 10 | >10000 | 151 | 4.71 | 4.80 |
| J997601 | | <20 | 0.03 | <10 | <10 | 83 | <10 | 64 | | | |
| J997602 | | <20 | 0.05 | <10 | <10 | 77 | <10 | 66 | | | |

QW28734

Statement of Expenditures
Rosy 1-90 Mineral Claims
March 21, 2011

Contract Diamond Drilling

| | |
|---|---|
| Top Rank Diamond Drilling Ltd. | $59,662.01 |

Drilled 2 holes on Rosy 6 (YC18059)
1 hole on Rosy 28 (YC18166)