

**2006 SUMMARY REPORT ON THE EL ROSAL PROPERTY,
LAMBAYEQUE AND CAJAMARCA DEPARTMENTS,
NORTHWESTERN PERU**

Prepared for

Panoro Minerals Ltd.
Suite 912, 510 West Hastings St.
Vancouver, B.C., Canada
V6B 1L8

By

Uwe Schmidt, P.Geo.
Northwest Geological Consulting Ltd.
656 Foresthill Place
Port Moody, B.C., Canada
V3H 3A1

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SUMMARY

The El Rosal property, in northwestern Peru, has been explored by Panoro Minerals Ltd. for its large tonnage skarn and porphyry copper potential since 1998. Panoro Minerals Ltd. owns 100% of the El Rosal property through its wholly owned subsidiary Minera Panoro (Peru) S.A.C. The mineral concessions included in the property cover 39 square kilometers and are located 75 kilometres east of the coastal city of Chiclayo, the capital of the Department of Lambayeque. The property is accessible by paved and dirt roads from Chiclayo. The village of La Ramada, with a population of approximately 1,400 people, is located at the northern boundary of the property. The residents of La Ramada are primarily involved in subsistence farming but also provide an able and willing work force for the exploration activities on the property. A branch of the Peruvian power grid runs through the village, on the south side of Rio Chancay. The property covers an elevation range from 300 to 1300 metres, with adequate water supplies for exploration drilling and has a potential water supply for future development from the Rio Chancay.

Panoro has explored this property intermittently since 1998. The largest programs were carried out in 1999 and 2000, which included geological mapping, geochemical and geophysical (magnetic and IP) surveys, hand trenching and 1650 metres of diamond drilling in 7 holes. Further geological mapping, geophysical and geochemical surveys were carried out in 2003. This was followed by program of further mapping and 1,592 metres of diamond drilling in 6 holes in 2004, in which the author was directly involved, over a 15 week period. Encouraging results from the 2004 program led the company to fund additional hand trenching and sampling and detailed geological mapping in 2006. This program was supervised and carried out by geologist César Raraz.

The El Rosal property is underlain by Mesozoic sedimentary and volcanic strata, by Tertiary volcanic rocks, and by intrusive rocks of Early Tertiary age. Thick carbonate units, of the Pariatambo Formation, host copper and zinc skarns +/- gold and silver, near stocks and sills of predominantly dioritic composition and probable Early Tertiary age. A post-mineralization intrusive event, intruded the sequence, with porphyritic granitic dykes, along northwest-trending extension and strike-slip faults. A later diatreme intrusive event, in La Ramada area, contains fragments of skarn and porphyry-style mineralization. One 70 cm diameter fragment, intersected in drill core in 2004, assayed 3.10 % copper and 12.25 % zinc. Surface samples of the diatreme, in 2006, returned analyses up to 14,700 ppm copper, 3,660 ppm zinc, with variable concentrations of gold and silver. These values are significant because the diatreme breccia contains fragments of mineralization from below but has not been shown to be a source of mineralization. The property area is structurally complex on a regional scale, reflected in an abundance of faults and fold patterns discordant to regional trends. It comprises a block that is bounded by north-south trending faults and east-northeast striking lineaments. The valley of Quebrada Calabozo, which separates the two target areas of the property, may be the weathered surface expression of these faults.

The El Rosal Property is divided into two exploration areas. El Rosal, located on the west side of the property, and La Ramada, located on the east side. El Rosal area includes three skarn zones known as El Rosal, Zona Central, and Calabozo, where most of the exploration, prior to 2003, was carried out. El Rosal and Zona Central are large, layered garnet-wollastonite skarns developed in limestones and tuffs, intruded by the tonalitic El Rosal stock. Mineralization at El Rosal and Zona Central skarn zones consist of pyrite, chalcopyrite and sphalerite or oxides occurring interstitially to the skarn minerals. Representative surface samples in these zones commonly exceed 1% combined copper plus zinc over widths of one to ten metres. The Calabozo showing is located at the eastern limit of the El Rosal area and has not been explored in detail. Mapping has identified extensive calc-silicate alteration and local skarn development in calcareous rocks, overlying the intrusive contact with the Calabozo Stock.

Quebrada Calabozo lies within a broad valley which separates El Rosal from La Ramada areas. The valley bottom is underlain by the recessive weathering Calabozo stock. The Calabozo stock is primarily composed of two phases of dioritic rocks which are related to the El Rosal stock intrusive suite. These units are associated with skarn mineralization and are hosts to mineralization at La Ramada area. The known areas of mineralization in La Ramada area are La Ramada, La Ramada Sur, and Calabozo Este. All Three areas have surface showings of copper and zinc skarns developed in banded calcareous lithologies over several metres. La Ramada and La Ramada Sur skarn zones, unlike El Rosal showings, have significant concentrations of gold associated with the copper-zinc mineralization. The mineralization primarily consists of chalcopyrite, sphalerite and pyrite. High concentrations of copper at La Ramada Sur, suggest that bornite or chalcocite may also be present, but are difficult to identify in the dark host rocks.

The 2004 exploration program was primarily a drilling program to test geophysical anomalies which are interpreted to indicate porphyry copper-style mineralization. El Rosal area was tested by two diamond drill holes and La Ramada area was tested by four diamond drill holes, with a program total of 1,592 metres. Additional geological mapping was carried out at La Ramada. This work outlined a zone of diatreme breccia on La Ramada grid. Drilling also intersected this zone and a high grade, copper-zinc skarn fragment within this breccia. A second intersection of zinc and copper mineralization in a drill hole at the southern end of La Ramada area expanded the area of interest and suggested a deeper source to the mineralization.

The recognition of a diatreme breccia zone in the La Ramada area provided further evidence of the porphyry copper model and provided the basis for the 2006 exploration program. This program included mapping and sampling of the diatreme breccia zone, La Ramada, La Ramada Sur and Calabozo Este showings. Four lines of hand trenches were excavated across the diatreme zone. A total of 415 chip and channel samples were collected. Most of these came from the diatreme zone.

Exploration to date, on the El Rosal property, indicates a potential for hosting large porphyry copper style deposits and copper-zinc +/- silver +/- gold skarn deposits associated with the contacts of intrusive and calcareous rocks found on the property. Drilling to date has confirmed

the presence of this style of mineralization in El Rosal and La Ramada areas of the property, directly and indirectly by alteration mineral assemblages found in the drill core at depth. The chemistry, zonation and copper association of garnets at El Rosal skarn demonstrate a similarity to other copper skarns, which are peripheral to porphyry copper-molybdenum deposits. The discovery of a highly mineralized copper-zinc skarn fragment in an intrusive breccia in drill core in 2004, further supports this potential in the La Ramada area of the property. Diatreme breccia bodies are often late intrusive features associated with porphyry copper deposits. The 2006 mapping and sampling of this body confirmed copper and zinc mineralization, carried by fragments within the breccia. This indicates mineralization sampled by the diatreme from an unknown source.

This report summarizes previous work on the property but focuses on exploration carried out in 2004 and 2006, which has not been previously reported. The 2004 and 2006 programs have continued to advance the property and provided additional exploration targets and evidence to support the exploration model employed by Panoro Minerals. Additional drilling, to test these targets, is recommended, which includes seven diamond drill holes totaling 2,600 metres. Six holes are recommended in La Ramada area and one hole in El Rosal area. This program is estimated to cost US \$542,500.

1.0 INTRODUCTION AND TERMS OF REFERENCE

In November, 2006 the author was commissioned by Helmut Wöber, P.Eng., President of Panoro Minerals Ltd. to review the latest exploration program on the company's El Rosal project in northwestern Peru and to write a 43-101 compliant report summarizing this work and the 2004 drilling and mapping project on this property in which the author was directly involved. The purpose of the report is to enable Panoro to raise money to finance the work that is recommended, based on the previous field programs. The author's assessment of the 2006 work is justified because it follows up and expands on work carried out by the author over a 15 week period in 2004.

This report covers a 2004 drilling and mapping program which has not been previously published, summarizes the work of previous authors (Rhys 2003), (Panteleyev 2003) and makes an assessment and recommendations based on the work of geologist César Raraz from his 2006 report, translated into English.

Previously, the geology of the property and the exploration programs carried out during Panoro's ownership of the mineral rights to the El Rosal property are described in detail by Rhys, 1999, 2000, 2003 and additional mapping is described by Panteleyev , 2003. The author has relied on these sources of information and has quoted some sections of their reports.

For work carried out in 2006, the author has relied entirely on the maps and report to the company by Raraz, 2006 and the English translation of that report. The author also has had discussions with and referred to Management Discussion papers written by Helmut Wöber about the 2006 program.

2.0 RELIANCE ON OTHER EXPERTS

As stated above, the author has relied on geological data and analyses described in technical reports by Rhys (1999), (2003), Panteleyev (2003) and Raraz (2006).

The author has not personally examined the field work carried out and reported on by Raraz, (2006) but feels confident in assessing this information, based on more than 15 weeks spent in the same area of the property in 2004.

The author also has had discussions with Helmut Wöber about the 2006 program and its implications for further exploration of the El Rosal property.

Panoro's title to the mineral rights of the El Rosal property are based on information provided by Helmut Wöber, the President of Panoro Resources Ltd., but the legal status and ownership of the property has not been independently verified.

The opinions expressed in this report are based on the author's field observations and his understanding of the data presented by the previous authors. The author believes these sources are reliable.

3.0 PROPERTY DESCRIPTION AND LOCATION

The El Rosal Project is located in northwestern Peru. The Mineral claims cover an area of 3,900 hectares and straddle the boundary between Lambayeque department (province of Chiclayo and district of Chongoyape) and Cajamarca department (province of Chota and district of Llama). The UTM coordinates of the approximate centre of the property are 689200E - 9264500N (Fig. 1). All mineral concessions are located within the 1:100,000 government topographic map sheet 14E (Chongoyape).

The mineral tenure acquisition procedure in Peru was described by Rhys (2003) as follows:

"Staking in Peru is carried out by a paper procedure through the Peruvian Ministry of Mines which specifies the UTM coordinates of the claim corners within the Peruvian National Topographic system. There are no markings in the field. Claim boundaries must run north-south or east-west. The initial claim request is called a petitorio en tramite (petition) and once granted is called a concesione (concession). The granting process can take from several months up to two years. A fee of \$2.00 U.S. per hectare for years prior to 2001, \$4.00 per hectare for 2001, and \$3.00 per hectare for 2002 and future years, must be paid annually to keep the claims in good standing. The fee is due in June of each year for the previous calendar year; in the case of the El Rosal property, fee payments were made in June, 1999, 2000, 2001, and 2002. This rate is allowed for a total of six years after the date of granting the concession, after which time, if the property is not in production, an additional penalty of \$6.00 U.S. per hectare will be charged if the value of investment on each concession does not exceed the total value of the penalty."

The author was advised that the permit issued by the Ministry of Energy and Mines is still valid but a re-authorization from the land owners will be required and a permit from the local Water Board will be required before any drilling can commence.

3.1 Concession Descriptions and Title

The El Rosal property consists of 3,900 contiguous hectares in seven mineral concessions (Figure 2). Coordinates of the concession boundary corners and relevant data are listed in Table 1.

The acquisition history of these concessions was described by Rhys (2003) as follows:

"The concessions straddle the boundary between the Department of Lambayeque (Chiclayo Province, Chongoyape District), and the Department of Cajamarca (Chota Province, Llama District; Figure 2). All of the concessions are currently owned (100%) by Minera Panoro (Peru) S.A.C., a wholly owned subsidiary of Panoro Resources Ltd. (Ridoutt, 2003). Minera Panoro exercised an option with Minera El Rosal S.R.L., the former title owner, to purchase the La Ramada, Timna, Salvador de Chongoyape, Rosal and Cambiaso concessions in an agreement dated July 6, 1998 and amended November 25, 1998, February 2,

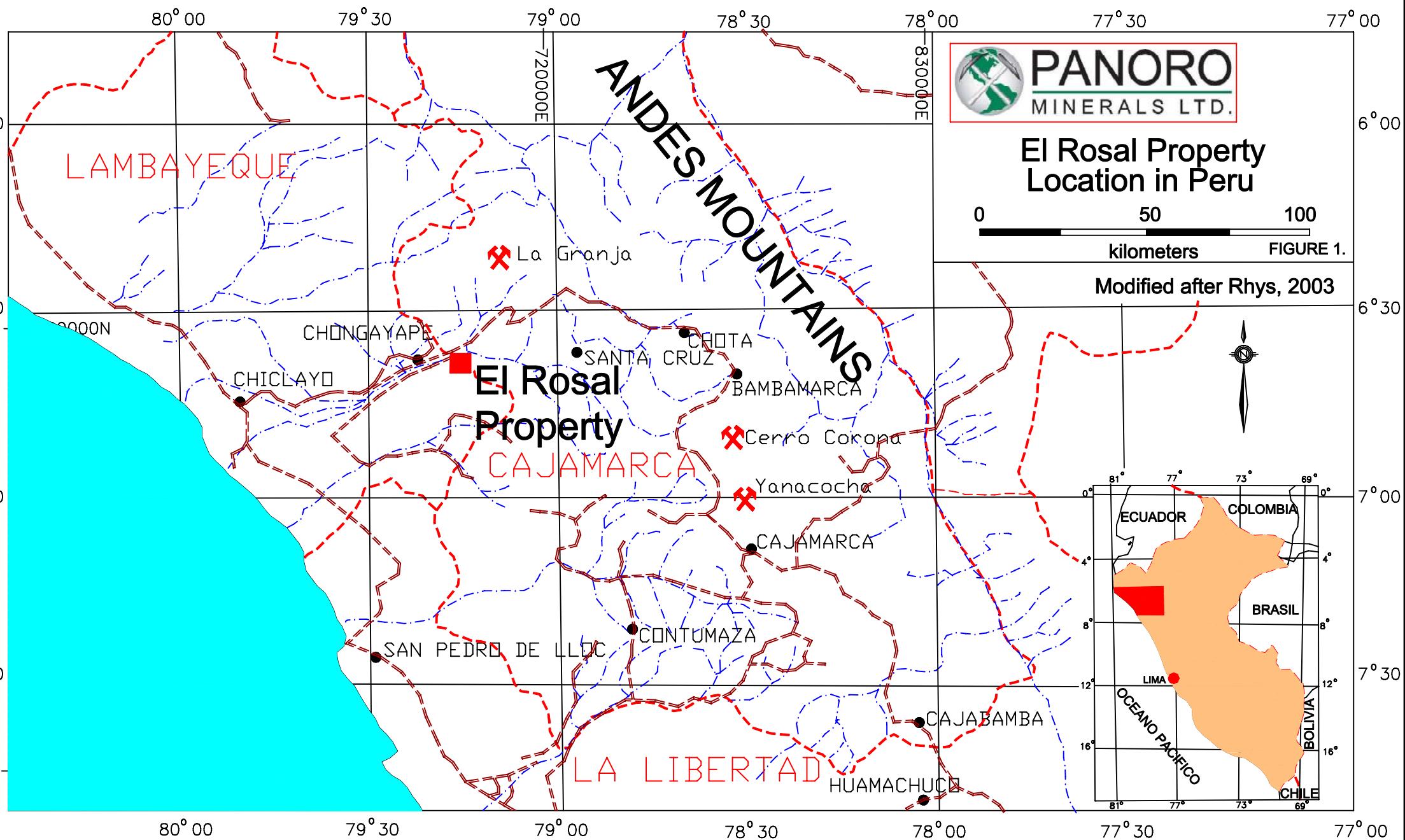


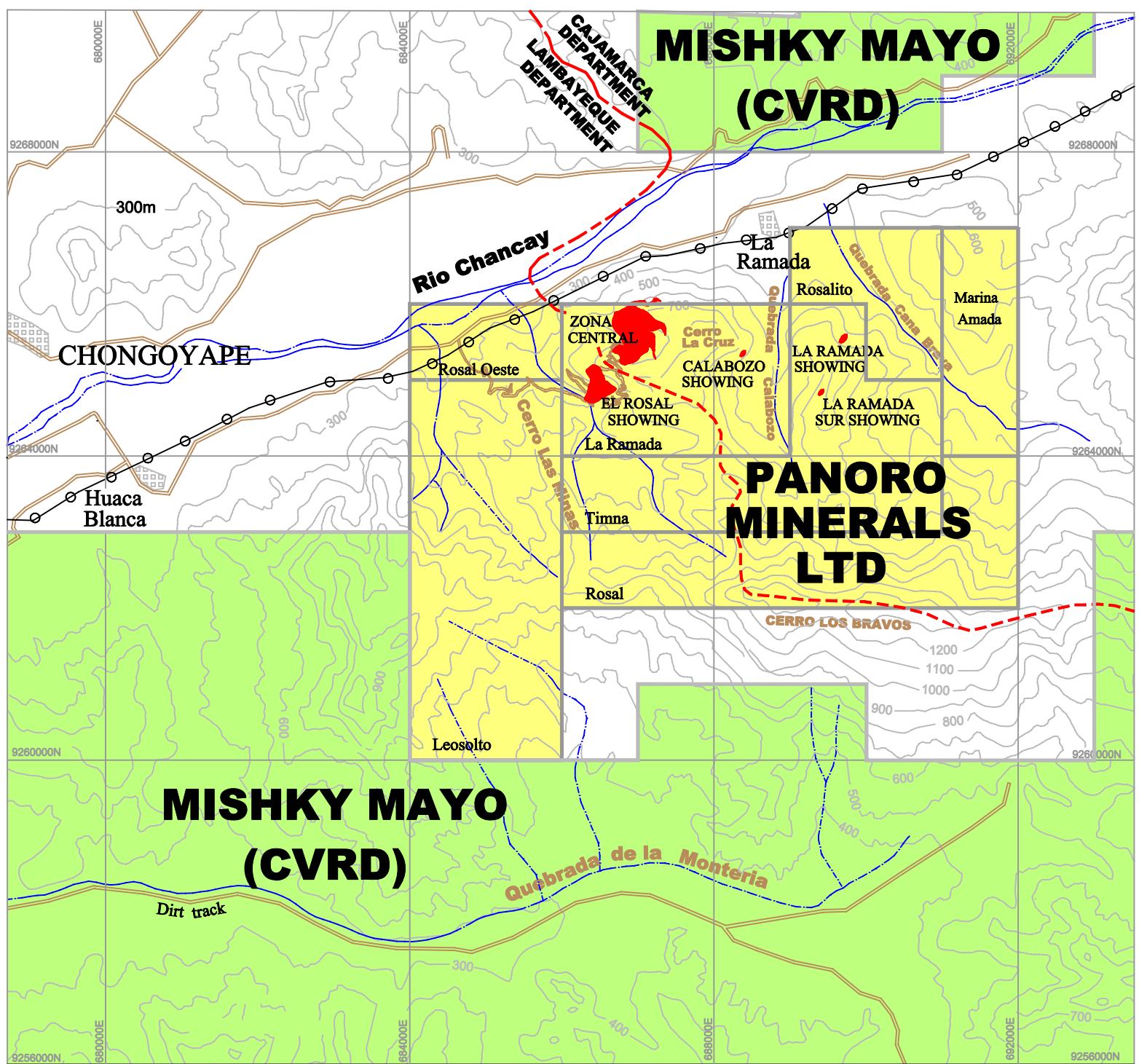
El Rosal Property Location in Peru

0 50 100
kilometers

FIGURE 1.

Modified after Rhys, 2003





- A legend on the left side of the map showing various symbols used to represent different geological features and boundaries.

 - Skarn Alteration:** Red irregular shape.
 - Towns:** Grey rectangular building block.
 - Rivers:** Blue wavy line.
 - Claim Boundaries:** Brown jagged line.
 - Roads:** Black line with small circles.
 - Electric Transmission Line:** Black line with diagonal dashes.
 - District boundary:** Red dashed line.
 - Contour interval 100 m:** Grey wavy line.

Modified after Rhys, 2003





PANORO
MINERALS LTD.

EL ROSAL PROPERTY: LOCATION OF CONCESSIONS

kilometers



1 2 3

FIG 2

1999, February 3, 1999, February 16, 2000 and June 15, 2001. The Leosolto concession was originally filed by Miguel Antonio Solsol Saenz who transferred the mining rights to Minera Panoro upon private agreement signed as of Oct. 10, 2002 (Ridoutt, 2003). The Marina Amada concession was purchased outright from Mr. Francisco Alvarez Bocanegra on May 31st 2000. The remaining four concessions, Rosalito, Rosalnor, Rosalsur and Rosal Oeste were applied for by, and subsequently granted to Panoro Peru or its Peruvian representative, Mr. Christian Gabriel Pilon, a director of Panoro Resources, who has subsequently transferred title to Panoro Peru (Ridoutt, 2003)."

The information concerning the mineral concessions and location maps of the concessions was obtained from Peruvian government documents provided by Helmut Wöber but was not independently verified.

Table 1: El Rosal Property, Claim Concessions.

Minera Panoro Peru (S.A.C.) is the owner (100%)

Concession name	Total area, hectares	Codigo #	Boundary UTM East	coordinates UTM North
La Ramada	600	03-0084-97	689000 689000 686000 686000	9266000 9264000 9264000 9266000
Timna	800	01-04125-97	690000 690000 691000 691000 686000 686000 689000 689000	9266000 9265000 9265000 9263000 9263000 9264000 9264000 9266000
Rosal	700	01-00357-98	692000 692000 686000 686000 691000 691000	9264000 9262000 9262000 9263000 9263000 9264000
Rosalito	300	01-00520-98	691000 691000 690000 690000 689000 689000	9267000 9265000 9265000 9266000 9266000 9267000
Rosaloste	200	01-00721-99	686000 686000 684000 684000	9266000 9265000 9265000 9266000
Leosolto	1000	01-01514-02	686000 686000 684000 684000	9265000 9260000 9260000 9265000

Table 1 (continued): El Rosal property, claim concessions

Concession name	Total area, hectares	Codigo #	Boundary UTM East	coordinates UTM North
Marina Amada	300	01-01953-99	692000 692000 691000 691000	9267000 9264000 9264000 9267000

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Although the following section of this report repeats previously published information, for clarity and the benefit of readers who are not familiar with Peru and the property, the following sections are quoted directly from Rhys, 2003.

This information has been previously published and is available on the internet at www.sedar.com.

4.1 Accessibility (Rhys, 2003)

"The El Rosal property is situated 75 km east of the town of Chiclayo (Figure 1), a coastal city of 400,000 people, and the fourth largest metropolitan area in Peru. Chiclayo is approximately 800 km north of Lima on the paved Pan American highway. Chiclayo airport has multiple daily flights by Boeing 737 to Lima on with a flying time of one hour.

Access to the El Rosal property is by paved road along the north side of the Rio Chancay valley from Chiclayo to within 20 km west of the property, at which point an all-weather bridge crosses Rio Chancay. A maintained earth and gravel road that is accessible year-round runs along the south side of the valley from the bridge to the property, and links the small villages of Huaca Blanca, 6 km west of the property, and La Ramada, on the northern property boundary, to Chiclayo (Figure 2). During the 2000 drilling program, an approximately 8.6 km dirt road passable by four wheel drive vehicles was constructed into northern portions of the property to the principal showings from the La Ramada road, to provide access for diamond drilling. A seasonally accessible dirt track along the valley of Quebrada Monteria passes 2-3 km south of the property boundary and provides foot access from the south."

In 2004 additional access trails were built by hand to two drill sites in El Rosal area and four trails were constructed in La Ramada area. The trail to diamond drill hole ER 08-04 branches off El Rosal road. The trail to diamond drill hole ER 09-04 was constructed from an existing trail which parallels Quebrada Calabozo.

A trail to diamond drill holes RA01-04 and RA02-04 was also constructed branching off

the Quebrada Calabozo trail. Approximately 3 km of road were rehabilitated by hand in Quebrada Cana Brava, to provide four wheel drive access to a staging area near the southern drill sites, RA03-04 and RA04-04, in La Ramada area (see Fig. 8).

Additional access trails were built in 2006 to access the diatreme breccia area on the east slope of Quebrada Calabozo.

4.2 Infrastructure (Rhys, 2003)

"The town of Chongoyape, with a population of several thousand, is 8 km west of the property on the north side of Rio Chancay (Figure 2). It is 35 km by road from the property via the bridge over Rio Chancay, and has most services, including gasoline, food, and limited accommodation. During the dry season, between April and November, it is possible to cross Rio Chancay at Huaca Blanca by four wheel drive, shortening the driving distance to Chongoyape to approximately 10 km. Two small settlements, each with approximately 1000 residents, La Ramada and Huaca Blanca, are located immediately north of, and 6 km west of the property, respectively (Figure 2). Limited supplies, including bottled water and food, are available from these villages. During the 1999 and 2000 field programs, work was conducted from rented houses in the village of La Ramada and the town of Chongoyape. Water is generally available year round from Rio Chancay and from irrigation dams north and west of Chongoyape. Water for diamond drilling is available from a creek on the property all year round. The main hydroelectric power line servicing Chiclayo runs from the Carhuaquero hydroelectric station, 5 km northeast of La Ramada, along the northern margin of the property. The power line provides the local settlements with electricity, and a link to the integrated Peruvian electrical grid."

Work in 2004 and 2006 was also conducted from a rented house in the village of La Ramada and drill core from the 2004 and previous drill programs is stored in a rented, secure, fenced area in La Ramada.

4.3 Topography and Land Use (Rhys, 2003)

"The property straddles the ridge and northern flanks of Cerro Los Bravos, between the valley of Rio Chancay to the north and Quebrada Monteria to the south (Figure 2). Relief on the property varies from 350 m in the Rio Chancay valley to 1350 m on the steep ridge crest of Cerro Los Bravos. Most of the northern parts of the property consists of ridges and steep to moderately sloping valley walls that vary between 400 and 800 m in elevation. The main showings, El Rosal and Zona Central, occur on the western, moderately to steeply sloping flanks of Cerro La Cruz, and are accessible by vehicle along the road constructed during the 2000 drilling program.

Year round cultivation of sugar cane, corn, and rice occurs in the Chancay river

valley, but topography on the property is too rugged and soil development too thin and rocky to support cultivation. Apart from a few houses in the Rio Chancay valley to the north, no permanent habitations occur on the property. Local farmers sometimes graze their cattle on the hills in valleys in northern parts of the property, and use the area for deer hunting.”

The western part of the El Rosal property is covered by a conservation area which was established by the local community and is not published on claim maps nor recognized by the Peruvian mining authority as affecting mineral title. Mineral exploration within the boundaries of the conservation area is carried on with the consent of the local community. Communications between Panoro (Peru) and the local community is ongoing and consent by the community will be obtained prior to carrying out any drilling on the property. The boundary of this conservation area is shown on Figure 5.

4.4 Climate and Vegetation (Rhys, 2003)

“The Chiclayo-Chongoyape area is in a rain shadow area on the western slopes and coastal plain of the Andes Mountains. The region is semi-arid, and rainfall occurs sporadically mainly during the wet season between December and April. During El Nino years, such as 1998, torrential rains can flood coastal communities and valleys. Cold, coastal mists often cover lowlands and valleys between November and May, and provide an important source of moisture for the vegetation in the area. Runoff from rainfall in the Andes to the east during the wet season fills many of the major rivers that drain into the coastal areas for much of the year. Cultivation of sugar cane, corn, and rice, which occurs in the Chancay river valley, is supported by the wet season river flow and by reservoirs that irrigate the crops during the remainder of the year. Temperature generally varies between 20°C and 30°C, although it sometimes exceeds 40°C in the humid wet season.

Vegetation varies with distance from the coast. Near Chiclayo, hills are often barren and support only widely spaced cactus, grasses and shrubs. Low scrub, vines and short, bushy trees become more abundant to the east in the Chongoyape area and on the property, frequently forming dense bush on slopes during and immediately after the wet season.”

5.0 HISTORY

Previous work on the El Rosal property prior to 2004 is described in an excerpt from Pantaleev (2003), as follows:

“Exploration work at the property was initiated in 1998, apparently the first systematic modern exploration conducted on the property. First efforts were mainly sampling and characterization of the styles of mineralization in the El Rosal, and to a lesser extent in the La Ramada areas (Rhys, 1998). Later in the year reconnaissance geological mapping, prospecting, trenching and additional sampling was done by Messrs. P. Mullens and R. Vilca (Mullens, 1998). In addition some ground magnetometer surveying was completed over the El Rosal grid.

In 1999, trenching and sampling directed by Messrs. D. Rhys and P. Mullens were done on the Zona Central and El Rosal showings and prospecting to the north was conducted by Mr. R. Vilca. Systematic geological mapping over the El Rosal and Zona Central areas provided a geological framework (Rhys and Mullens, 1999) and a reference for interpreting induced polarization (IP) geophysical results from surveys conducted along 28 kilometres of grid lines. Rhys (1999) describes these investigations as well as some follow-up petrography by Katherine Ross in a lengthy report.

Encouraging results at El Rosal were further tested in 2000 after an extensive road building campaign by drilling in a 7-hole, 1650 metre diamond drilling program funded by Rio Algoma Exploration Ltd. All the data gathered previously and the new drill information are summarized by Rhys (2003) in a report submitted to regulatory authorities in a style compatible with National Instrument 43-101 requirements.

To date exploration has identified five main zones of interest with skarn-related Cu-Zn-Ag or Cu-Au mineralization – El Rosal, Zona Central, Calabozo, La Ramada and La Ramada Sur. Only the El Rosal zone has been tested by drilling in a limited programme with 7 core holes.”

In 2003 Andrejs Panteleyev, Ph.D., P.Eng. was contracted by Panoro to further map, follow up on the porphyry copper-gold potential that was indicated by geochemical surveys and geophysical anomalies and report on the exploration potential of La Ramada area of the property. This work is reported in Pantaleev, 2003.

In early 2004 the author, Uwe Schmidt, was hired by Panoro to log drill core and map sections of La Ramada area in more detail. This work was carried out in two periods from January 4 to February 24 and March 10 to May 6, 2006. Dean De Largie, a contract geologist employed by Panoro, was the project manager during this time. The geological framework established by Rhys and Panteleyev was maintained and modified where necessary. The 2004 program included six diamond drill holes totaling 1,592 metres. Two of these holes, totaling 619 metres, were drilled in El Rosal area and four holes totaling 973 metres, were drilled in La Ramada area. Limited trenching and sampling was also carried out at La Ramada and La Ramada Sur showings.

One of the results from this program was the discovery of a diatreme breccia located on the east side of Quebrada Calabozo. Stream sediments derived from this breccia body are consistently anomalous in copper. A second important discovery was the intersection of this diatreme breccia in two adjacent drill holes, collared south of La Ramada showing. A 70 cm long mineralized fragment in the breccia was cored by RA01-04 and returned an assay of 3.1% copper and 12.25% zinc. An additional 5.95 metres of chalcopyrite-magnetite bearing skarn was intersected lower in the hole. This interval returned 1 % copper over 2.65 metres. The discovery of the diatreme breccia and the exploration implications of finding mineralized fragments in the breccia, provided the encouragement to further explore the breccia body.

In 2006 Panoro employed contract geologist César Raraz to follow up on the geochemical anomalies, sample and map the diatreme breccia zone in more detail.

This program was carried out from March 20 to May 14, 2006. Work included trail construction along the breccia body, 781 metres of hand trenching in four trenches and 410 rock samples. Cesar Raraz also defined the limits of the breccia body, resolved contact relationships at the southern end of the zone and subdivided the breccia into several mappable sub-units.

6.0 GEOLOGICAL SETTING

6.1 Regional Geology (Rhys 2003)

"Lithologies in the region comprise an easterly-younging sequence of mixed carbonate and siliciclastic strata and intermediate volcanic rocks of mainly Mesozoic age, and overlying Tertiary volcanic rocks (Wilson, 1985). The oldest rocks in the area are a mixed volcano-sedimentary sequence of Upper Triassic to Lower Jurassic age, the Zana Group, that is exposed extensively in the coastal plain and Andean front ranges west and southwest of Chongoyape (Figure 4; Cobbing et al., 1981). Subsidence in the west Peruvian trough during the Late Jurassic period initiated a cycle of sedimentation that persisted until the Upper Cretaceous. The El Rosal property is near the northern end of the trough. Bedded tuff and intercalated shale, quartzite and limestone of Late Jurassic to Early Cretaceous age, the Tinajones Formation, that is present west of the property in the Chiclayo-Chongoyape area marks the local initiation of Peruvian trough sedimentation (Wilson, 1985).

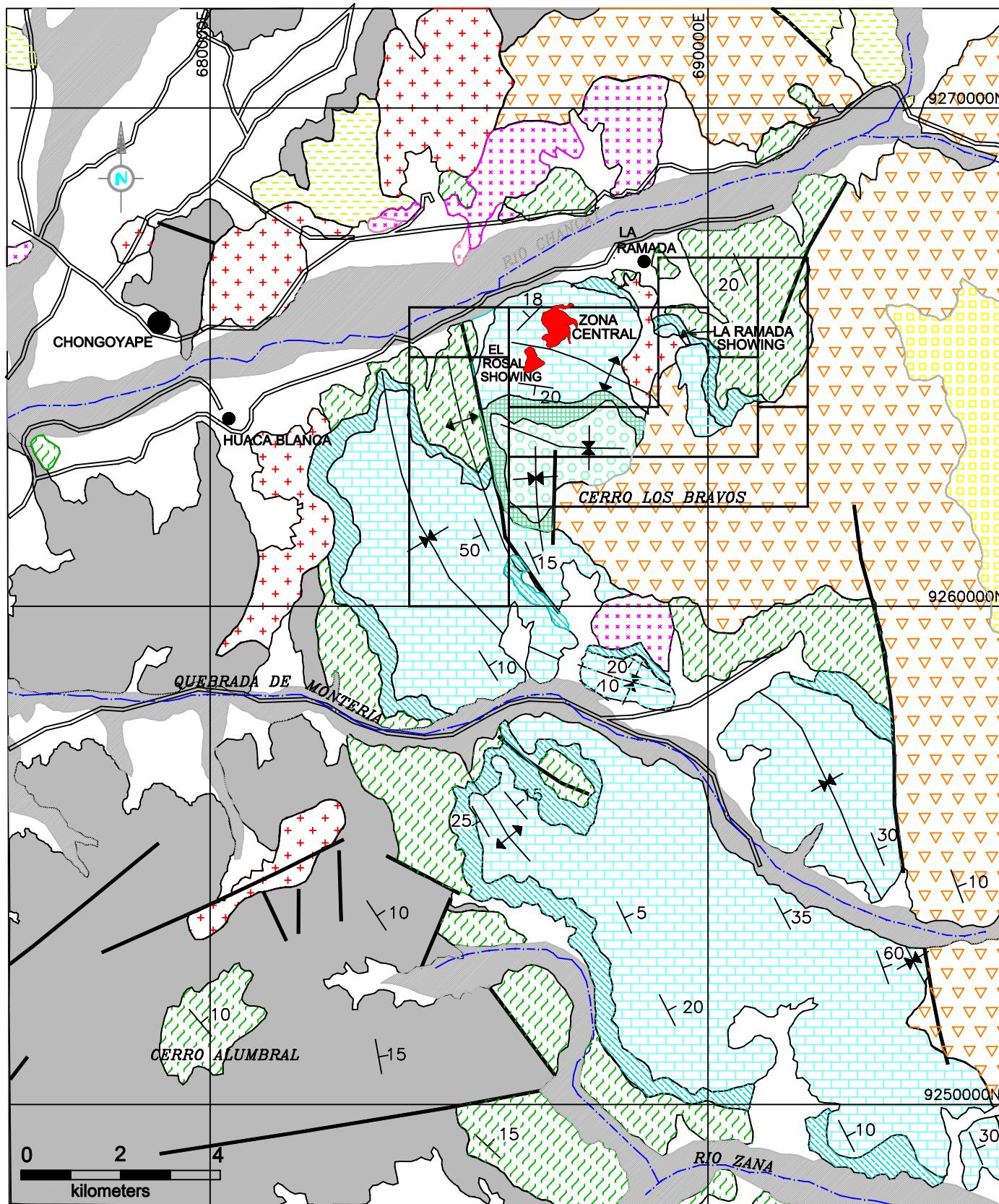
Cretaceous stratigraphy in the Peruvian trough records several marine transgressive-regressive cycles, and a transition from mainly siliciclastic to carbonate-rich sedimentation. In the property area, Cretaceous strata are exposed in a 5-10 km wide, north trending belt that separates older strata from Tertiary volcanic rocks to the east (Figure 4; Wilson, 1985). Shallow marine or deltaic quartzite, and subordinate siltstone and mudstone of the Lower Cretaceous Goyllarisquizga Formation unconformably overlie the Tinajones Formation and mark the beginning of the Cretaceous cycle of sedimentation in the Peruvian trough. The Goyllarisquizga Group is disconformably overlain by a mixed carbonate/siliciclastic sequence comprising the following units (Wilson, 1984; Cobbing et al., 1981):

- *The Inca Formation (Lower Albian age): This unit comprises ferruginous mudstone, sandstone and impure limestone. It is less than 20 m thick in the Chongoyape area.*
- *The Chulec Formation, composed of thinly bedded mudstone, siltstone, quartzite and subordinate nodular limestone, with a local thickness of approximately 50 m.*
- *The Pariatambo Formation (Middle Albian age), which consists of 100-300 m of limestone, black mudstone, and in the Chongoyape area, purple to white felsic tuff. Tuff is particularly important on the south side of the Rio Chancay valley near Huaca Blanca and on the property, where up to 300 m of cliff-forming*

GEOLOGICAL SETTING OF THE EL ROSAL PROPERTY, PERU

Modified after Rhys, 2003

FIGURE 3



laminated tuff and interbedded limestone comprise most of the Pariatambo Formation (Wilson, 1984).

- *The Pulluicana Formation (Upper Albian-Santonian age), which is composed of several hundred meters of marly limestone and black mudstone. Although generally >200 m thick elsewhere, this formation locally thins to less than 25 m thick on the property.*
- *The Quillquinan Formation (Santonian) is composed of thinly bedded mudstone and marls, and is approximately 120 m thick in the Rio Chancay valley.*
- *The Cajamarca Formation comprising less than 150 m of limestone.*

Tertiary volcanic rocks unconformably overlie the Mesozoic sequence. They comprise two formations that in turn are separated by an unconformity. The earliest, the Eocene Llama Formation (54-44 Ma; Noble et al., 1990) is composed of basal, heterolithic volcanic conglomerate (50 m) and overlying andesitic to rhyodacitic lithic tuff and flows (up to 1,200 m; Wilson, 1984). The overlying Huambos Formation is dominantly rhyolitic in composition and consists of a thick sequence of tuff and tuff breccia (Wilson, 1984). Miocene volcanic rocks of the Calipuy Group do not occur in the local area.

Diorite, tonalite and granodiorite stocks, dykes and sills of the Coastal Batholith are emplaced in the Mesozoic sequence throughout the Chiclayo-Chongoyape area (Figure 4; Wilson, 1984). Small plagioclase + quartz porphyritic bodies also occur locally. K-Ar dating and intrusive/stratigraphic relationships suggest that the plutonic rocks of the coastal batholith and isolated stocks and dykes throughout the region are broadly contemporaneous, and probably cogenetic with, the Early Tertiary volcanic rocks (Noble et al., 1990)."

6.2 Property Geology (Schmidt 2004)

Mapping in 2004, on the El Rosal project was mostly restricted to La Ramada grid area. This area was previously mapped by Panteleyev in 2003. The author was asked to map some areas in more detail and this work resulted in a partial reinterpretation of the geology of La Ramada grid. The property geology, map Fig.4 (1:5,000 scale) includes mapping by Rhys and Mullins of El Rosal area and Panteleyev and Schmidt mapping of La Ramada area up to 2004. Modifications to La Ramada area by Raraz(2006) are presented on Fig. 5 (1:5,000 scale). Both maps are appended to this report.

The following describes the mappable lithologies on the property, based on Rhys (2003) and Panteleyev (2003). The author's observations and re-interpretations are described where they differ from previous mapping and further sub-divisions made by Raraz (2006) are also included.

The geology of the property, up to 2004, is presented at 1:5,000 scale on Figure 4. Mapping of La Ramada area by Raraz (2006), is presented at 1:5,000 scale on Figure 5. Both maps are appended to this report.

Map Units of stratified rocks, on the property, are described as follows:

Goyllarisquizga Group, Unit 1

The oldest rocks belong to Unit 1 quartzite and minor black siltstone of the Goyllarisquizga Group. This unit is restricted to La Ramada area and crops out at the eastern limit of the map area in Quebrada Cana Brava. This unit typically occurs in thick bedded massive, pale beige to brown-weathering outcrops of fine-grained equigranular quartzite. Locally, cross-cutting and bedding-parallel fractures are filled with goethite and hematite. Narrow and discontinuous black siltstone beds are a rare occurrence. The overall outline of the unit indicates a gentle to moderate dip to the west. Locally the bedding is gently dipping but with variable strike directions.

Inca and Chulec Formations, Units 2 and 3

Unit 2 and 3, previously assigned to the Inca and Chulec Formations by Panteleyev (2003), conformably overlie the Goyllarisquizga Group quartzite. These rocks consist of siltstones, calcareous siltstones, marble horizons and thin-bedded laminated chert to siliceous siltstone. The trace of these units also indicates a northerly strike and westerly dip. Calcareous siltstones and inter-bedded marble were assigned to Unit 2 and 2a, respectively, of the Inca Formation. In the northern grid area it is difficult to define the contact between the calcareous siltstones of Unit 2 and the siliceous siltstones of Unit 3 Chulec Formation. This are is mapped as Unit 2/3.

Pariatambo Formation, Units 4 to 6

The Pariotambo Formation has been described in detail by Rhys (2003). Unit 4 laminated limestone and tuff, Unit 5 limestone “marker unit” do not occur in La Ramada map area. Unit 6b nodular limestone interbedded with pure limestone occurs along La Ramada ridge. This unit was mapped as Unit 5 limestone by Panteleyev (2003), and reassigned to Unit 6b limestone by the author in 2004 because the appearance fits an earlier description and photos by Rhys (2003), of the upper Pariatombo Formation. This unit is generally steeply westerly, to vertically dipping along La Ramada ridge.

Pullicana, Quillquinan and Cajamarca Formations, Unit 7

The Cretaceous limestone, mudstone of the Pullicana/Quillquinan Formations, Unit 7a and the limestone of the Cajamarca Formation, Unit 7b were not encountered in 2004.

Lower Calipuy Volcanics (Llamma Formation) Unit 8

The lithic tuffs and conglomerate beds of the Llama Formation were previously mapped in the headwaters of Quebrada Calabozo and Quebrada Papaya areas by Rhys (2003) and Pantaleyev (2003).

Unit 8, tuffaceous volcanic rocks on the west side of La Ramada ridge were re-interpreted in 2004, as a diatreme breccia intrusion and assigned to Unit 8a. This interpretation is supported by surface and drill core evidence. The eastern contact of the diatreme breccia and Unit 6b carbonates is tightly welded and has a narrow hornfels alteration zone in the carbonate. The intrusive breccia is a heterolithic, dense, silicified unit, containing mainly rounded fragments in a fine grained groundmass. The breccia is weakly to moderately altered throughout. Angular xenoliths of carbonate occur in the breccia, in the vicinity of the Unit 6b contact.

In drill holes RA01-04 and RA02-04 and nearby outcrops, the breccia contains abundant cobble size fragments of Goyllarisquizga Group, quartzite (Unit 1). Igneous fragments include Unit 10 diorite and Unit 11 quartz-feldspar porphyry. The diatreme breccia has been assigned to Unit 8a because of its proximity to Unit 8 and its similarity, on a hand specimen scale, to Unit 8 lithic tuff. However, at outcrop scale the units are quite different. Unit 8 is a bedded tuffaceous rock with well developed bedding and sedimentary features. The relationship between Unit 8 tuff and 8a breccia, at the southern end of the breccia body, was not determined by mapping in 2004. The relative position of Unit 8 to older rocks suggests that it has dropped down relative to older rocks, possibly in a collapse structure or graben.

Additional mapping of Unit 8a, diatreme breccia, by Cesar Raraz in 2006, extended the southern limit of breccia zone to 1400 metres in length. The dimensions of the breccia body have been defined by mapping and hand trenching. It has a northerly trend, which is interpreted as following a pre-existing fault or fault zone. The western contact, at the northern end, is faulted at 023° and dips 85° NW. The eastern, faulted contact trends at $027^{\circ}/65^{\circ}$ to 45° NW and is observed at the southern limit of breccia. At its extreme southern end it has a width of approximately 460 metres. The body narrows northward to 9 metres in trench T1900. Raraz (2006) recognized two to three injection phases and five mappable varieties of breccia which are assigned to Units 8a to e. Relationships among the various breccia varieties may be obscured by variations in the intensity of weathering. Both sharp and gradational contacts among the various breccia types have been observed. The details of the five breccia types are as follows:

Altered Diatreme Breccia Unit 8a

The intrusive breccia is a heterolithic, dense, silicified unit, containing mainly rounded fragments in a fine grained groundmass. The breccia is weakly to moderately altered throughout. A 70 cm diameter mineralized skarn fragment, with 3.1% copper and 12.25% zinc, was intersected in this unit by drill hole RA01-04. Elsewhere, in areas east of Trench 1100, this breccia is weakly silicified, chloritized and mineralized with pyrite and pyrrhotite. Secondary copper oxides may occur on fractures, along with abundant iron oxides associated with intense fracturing and crackling. Two forms of emplacement are recognized. One of these is along faults, at times associated with dikes of diorite. The second, is parallel to breccia 8b, producing a pseudo-stratification with 8b. The impression of Unit 8b intruding 8a is seen in some outcrops. Contact attitudes of this emplacement are $140^{\circ}/35\text{NE}$, $130^{\circ}/57\text{NE}$, $070^{\circ}/85\text{SE}$ and $180^{\circ}/58\text{E}$.

Intrusive Breccia Unit 8b

In sections that are strongly fractured, moderate amounts of manganese oxides and copper oxides are frequently encountered on fractures. Sporadic breccia fragments are also stained with iron oxides and copper oxides because of weathering. This breccia variety predominates to the north of trenches T1600 and T1900. In other trenches, T1400 and T1100 it comprises between 60 and 30% of the rock.

Felsic Breccia Unit 8c

This breccia occurs sporadically in isolated outcrops and in trenches T1100 and T1400. It has a green to creamy beige colour, lacks plagioclase and contains 10% sub-rounded, chloritized, epidotized, dark-green lithic fragments, in a moderately altered, grayish-green matrix.

Black Breccia 8d

This breccia unit is distinguished by a moderate manganese oxide content which occurs in fractures and as spots in the matrix. This unit is exposed in a narrow zone in trench T1400.

Hornblende Breccia Unit 8e

The hornblende breccia has a dark to black colour caused by black, fine grained mineral aggregates (hornblende?), covering 5 to 60% of the rock, which consists of clear clasts, 5-15% plagioclase, traces of quartz eyes, and lithic fragments. Approximately 20 to 50% of the fragments are, sub-angular and sub-rounded, grey and white lithic fragments, quartzite, chloritized lithic fragments and traces of quartz. Towards the east it grades into Unit 8b, but with the characteristic black spots of Unit 8e. This unit and Unit 8d are exposed in trench T1400, close to its western boundary.

The southern end of the breccia zone terminates near Quebrada La Papaya, where the volcanic Unit 8 Llama sequences continue to the south.

Skarn and Calc-Silicate Alteration Unit 9

Skarn development and associated calc-silicate alteration was assigned to Unit 9 during the 2004 mapping. Skarn, in La Ramada area, is developed in Unit 6b, nodular to massive limestone, located along the eastern margin of the Calabozo stock. Skarn minerals include wollastonite, green and dark brown garnets.

Igneous Rocks

Five igneous intrusive units were mapped in La Ramada grid in 2004. The largest intrusion and economically important are the two phases of the Calabozo stock, Units 10a and 10b. Skarn formation and copper-zinc mineralization are associated with the perimeter of this stock. Unit 10c, a dark green, hornblende-feldspar porphyry occurs both as an irregularly shaped body on the east slope of La Ramada ridge and as narrow dykes. Unit 11b, quartz-phyric felsite, described by Panteleyev (2003), also occurs in an irregularly-shaped exposure east of La Ramada ridge. Unit 12 is a rare mafic dyke phase which may be related to Unit 10c. Unit 11, a beige, quartz-feldspar porphyry appears to be the youngest intrusive phase. Dykes of this porphyry commonly trend in a northwesterly direction.

Calabozo Stock (Unit 10)

A re-mapping of the Calabozo stock, previously mapped as Unit 11, indicates that it is primarily composed of Unit 10 tonalite. Unit 10 was described by Rhys (2003) as consisting predominantly of tonalite, with local variations from quartz diorite to

granodiorite. He sub-divided the unit into a dark green fine grained variety (10a) and a medium grained, leucocratic, hornblende and feldspar-phyric variety (10b). The author primarily applied field terminology to this unit, which varied from granodiorite to diorite. A higher proportion of 10a occurs at higher levels in the stock. Anastomosing dikes of feldspar or hornblende-phyric, quartz diorite typically cut the dark fine grained diorite. Unit 10b, also commonly contains rounded xenoliths of 10a, but the reverse has not been observed, suggesting that 10a is an earlier phase of an evolving magmatic system. Dykes of Unit 11, quartz-feldspar porphyry, cut the dioritic intrusion of the Calabozo stock. Unit 11 is a minor component of the Calabozo stock and follows late, vertical structures. Most of the Calabozo stock is weathered to a sandy grus at surface. Colour and textural differences among the intrusive phases in this stock are sufficiently preserved to permit their identification.

Unit 10c

A medium to dark green hornblende-feldspar porphyry intrusion occurs east of the Calabozo stock, along La Ramada grid base line. This intrusion was previously mapped as Unit 11 and is reassigned to a new unit, Unit 10c. This rock type crops out in angular resistant outcrops. Although the age relationship between Unit 10c and the Calabozo stock is not evident, a dyke of Unit 11, quartz porphyry, with chilled margins, cuts the unit and indicates a relative age. Dark green, fine grained, carbonate-altered dykes are mapped east of the Unit 10c outcrops. These dikes are also assigned to Unit 10c because of their similar appearance and proximity to the larger intrusion.

Quartz-Feldspar Porphyry Unit 11

The quartz feldspar porphyry unit is one of the most distinctive intrusive rocks. This unit, typically has a beige coloured groundmass, containing clear, mm-scale, quartz phenocrysts. The porphyry only occurs as steeply dipping dykes. Most follow a northwest structural trend. There is some textural and colour variation depending on the width of the dyke, but the quartz phenocrysts are usually present. Thick dykes may display a green, chilled margin. The quartz phenocrysts also survive the pervasive weathering of the Calabozo stock. Mapping the occurrence of these phenocrysts, indicates that Unit 11 is only a minor component of the stock.

Quartz-Phyric Felsite Unit 11b

Panteleyev (2003) assigned a white quartz-phyric “felsite” with rare quartz phenocrysts to unit 11b. This unit occurs in an irregularly-shaped exposure on the east side of La Ramada ridge and narrows to the north. Contacts on the west side display a distinctive, flow-banded texture. A dike of Unit 11, quartz-feldspar porphyry, cuts 11b, indicating that this unit is older than Unit 11.

Unit 12

Unit 12 intrusion is a rare dark green dyke-forming diorite. This unit was mapped based on the descriptions of Panteleyev (2003). Dykes of this unit occur peripheral to Unit 10c and may be related to this intrusive phase.

6.3 Structure (Rhys 2003)

"The entire Mesozoic sequence in northern Peru is affected by at least one and probably two pulses of Early Tertiary contractional deformation in the Andean orogeny. This event generated upright to east-verging folds with northwest-trending axial traces, and southwest-dipping thrusts (Megard, 1984). The first compressional phase, Incaic I, is inferred from a regional angular unconformity that occurs at the base of Eocene volcanic rocks of the Llama Group (Noble et al., 1985; Noble and McKee, 1997). An unconformity within the volcanic rocks at 44-40 Ma is interpreted to be related to a second episode of contractional deformation, termed Incaic II by Noble et al. (1990). Miocene and younger dacitic volcanic rocks of the Calipuy group which unconformably overlie the Eocene volcanic succession to the east in the Andes Mountains were deposited during the Quechua series of Neogene tectonic pulses (Megard et al., 1984; Noble and McKee, 1997).

Middle to Late Tertiary extensional and strike slip faulting affects the entire region, locally remobilizing older thrust faults (Megard, 1984). North-northwest and northeast-trending faults are most common in the Chongoyape-Chiclayo area. Many river drainages in the area that trend northeast may be localized along fault zones."

6.4 Structural Geology of El Rosal Area

Rhys (2003) described open folds which are discordant to regional trends. The dominant fold at El Rosal is a northwest-trending anticline with a fold axis plunge that varies from shallow northwest dips to shallow southeast dips, defining an open, domal shape to the fold. Bedding strikes are highly variable, although dips are shallow.

He also described two faulting events at El Rosal. An earlier, semi-brittle phase produced steeply-dipping, faults and shear zones in northwest and northeast directions. This phase is often associated with calc-silicate alteration and mineralization. A later brittle phase is associated with clay gouge seams.

6.5 Structural Geology of La Ramada Area

Mapping in 2004, on La Ramada grid, in the vicinity of diamond drill holes RA03-04 and RA04-04 determined that the area is predominantly underlain by calcareous siltstone and limestone of unit 2. This unit is cut by several vertical northwesterly trending faults which juxtapose unit 2 carbonates and unit 10 intrusive. A large, steeply dipping, anticline is indicated by unit 2 bedding attitudes, observed between lines 1700S and 2750S, from Base Line 0 to about 300E. The axis of this fold plunges steeply to the northwest at about 70 degrees. The northwest trending faults appear to postdate Unit 10 intrusion but apparently provided pathways for Unit 11 dykes. To the east, in Quebrada Alumbre, Unit 1 quartzite generally dips variably southward at gentle to moderate dips, with the exception of a moderate westward dip on line 2400S. This suggests a major north-trending structural break must lie in the vicinity of 300 E on La Ramada grid.

At La Ramada Sur skarn, the southern end of the skarn zone terminates in black siliciclastic rocks, which are isoclinally folded. These rocks are mineralized with significant copper, gold and silver concentrations. If Unit 10 quartz diorite is the source of the mineralization, then a folding event must have preceded the intrusion.

A post intrusive faulting event has been observed in several locations, where unit 10 intrusion and unaltered carbonates of unit 2 are juxtaposed. This episode of faulting may have provided the pathways for unit 11 quartz-feldspar porphyry dykes.

The latest faulting event observed on La Ramada grid is the reactivation of intrusive contacts of unit 11. This occurred at La Ramada showing and may have significantly displaced the skarn zone.

7.0 DEPOSIT TYPES (Rhys 2003)

"The El Rosal property occurs on the western margin of the Miocene metallogenic belt, which runs northwest through much of the western Peruvian Andes (Noble et al., 1997). It is defined by a series of porphyry, epithermal Au, skarn, and polymetallic vein deposits that are spatially associated with, or hosted by Miocene intermediate volcanic rocks of the Calipuy Group and associated intrusions. The giant La Granja porphyry deposit (2,300 MT @0.59% Cu), hosted by a Miocene monzonite stock (Diaz et al., 1997), is approximately 30 km northeast of the El Rosal property (Figure 1). Other significant deposits in the region of Miocene age include the high sulphidation Yanacocha epithermal Au mine (>35 tonnes Au production/year), and the Cerro Corona Cu-Au porphyry, both approximately 100 km southeast of the El Rosal property (Figure 1). Regionally, north to northeast-trending faults are often associated with epithermal gold deposits (e.g. Yanacocha).

West of the Miocene belt, a series of Cu-Zn and Fe skarns and polymetallic veins occurs in the southern Lambayeque Department, for approximately 40 km to the northwest, southwest and southeast from the El Rosal property (Wilson, 1984). A large skarn also occurs at Catache, 30 km east of the property, in a window of Cretaceous carbonates beneath the Eocene volcanic sequence (C. Lodder, pers. comm., 1998). These deposits, which define a coastal metallogenic district, are associated with granodiorite and tonalite intrusions of the Early Tertiary Coastal Batholith that are emplaced in Cretaceous carbonate rocks and Jurassic volcanic rocks (Wilson, 1984; Noble et al., 1990).

The El Rosal property consequently occurs within a metallogenic region which has the potential to host a variety of intrusion-related, epithermal and porphyry style base and precious metal systems. As described below, the most significant prospects identified to date on the property comprise Cu-Zn +/- Ag +/- Au +/- Mo mineralization which occurs in skarns, associated intrusions and peripheral veins defining large intrusion-related systems. Consequently, during the exploration programs, emphasis has been placed on defining the architecture, alteration paragenesis and distribution, and zoning within the systems to better identify potentially economic portions of the systems. Target deposit types include similar styles of Cu-Zn mineralization of similar age and stratigraphic setting in northwestern Peru, including Antamina and Magistral, both of which display a

spatial association of porphyry style mineralization with fringing skarn alteration in calcareous country rocks. Other potential deposit types in the area include low and high sulphidation epithermal systems associated with Tertiary volcanic rocks, such as volcanic units present in eastern parts of the property.”

8.0 MINERALIZATION

Mineralization on the El Rosal property occurs in two areas, El Rosal and La Ramada. Earlier exploration programs in 1999, 2000 and 2003 focused on the copper and zinc mineralization associated with skarn zones developed within the limestone beds at El Rosal. This phase of exploration also recognized the underlying porphyry copper potential associated with intrusive centres at El Rosal and the Calabozo stock. Three areas of mineralization in the El Rosal area are El Rosal showing, Zona Central and Calabozo showing.

Earlier exploration programs of the El Rosal area are well documented by Rhys 1999, 2000 and 2003. In 2004, exploration emphasis focused on La Ramada area which had been identified as prospective by earlier reconnaissance programs. Three areas of skarn mineralization, La Ramada, La Ramada Sur and Calabozo Este, had been discovered in La Ramada area prior to 2004.

8.1 La Ramada Skarn

Three copper skarn showings occur at La Ramada zone. One is located at L1000-300E. Copper mineralization, which consists primarily of malachite, occurs in a calc-silicate to skarn unit that has cleavage planes developed at 10 to 20 centimetre intervals. These cleavage planes are likely developed parallel to bedding planes and strike at 135° azimuth and dip southwesterly at 50°. This unit lies in fault contact with massive limestone of unit 6b, which is also malachite stained. The mineralization is traceable along strike for about 25 metres. The width of the banded skarn is 4 metres. Malachite staining continues on a vertical face of limestone, above the banded rocks. The limits of mineralization are difficult to determine on this cliff face. Chalcopyrite and bornite are evident in hand specimens. The skarn zone parallels a dominant, post mineralization, fault zone, located in the footwall of the skarn. The down dip extension of the zone has not been tested. Diamond Drill hole RA02-04 was lost before reaching the zone.

The second skarn zone is located just north of L1000 at approximately 40 metres elevation higher than the previous zone. This showing is a malachite-stained green garnet skarn developed within limestone of Unit 6b. The lower contact of the zone is irregular while the upper contact trends at 130° azimuth and dips 55° to the southwest. The width of the zone at this location is 2.5 metres and it is exposed for about 8 m of strike length. The matrix of the skarn contains dark minerals, which include manganese oxide but may also contain bornite.

The third area of mineralization is located at Trench 98-9, where mineralization

consists of disseminated pyrite and chalcopyrite in a calc-silicate altered banded unit. Cleavage planes, likely developed on bedding planes, occur at 10 to 20 centimetre intervals. The mineralized horizon is stained by malachite over a true width of 4 to 5 metres. Copper-bearing rocks are overlain by massive, cliff-forming, carbonate rocks of Unit 6b, which trend at 140° and dip southwesterly at 40°. The mineralogy of these rocks is difficult to determine because of oxidation and malachite staining, but looks similar to mineralization located at 300E on line 1000. A light and dark grey banded siliciclastic horizon in the upper part of the zone looks like the banded horizon at La Ramada Sur showing.

The exposed strike length of La Ramada Zone is approximately 200m. The northwest extension is terminated by a fault, which juxtaposes Unit 6b carbonates and Unit 1 quartzites. This fault is interpreted to pass north of the showing. The zone is truncated by Unit 11b intrusion to the southeast.

8.2 La Ramada Sur

La Ramada Sur skarn zone was briefly examined while mapping on La Ramada grid. Mineralization at La Ramada Sur is hosted by sub-horizontal bands of dark green, garnet skarn, brown garnet skarn, dark green, calc-silicate or mafic igneous rock and a black siliciclastic unit. Mineralization is difficult to see in these rocks. The zone terminates to the south in a recumbent isoclinal fold nose, which is outlined by a black and white, copper-bearing banded siliciclastic metasedimentary. The stratigraphic position of this zone, relative to the Unit 6b is unknown. For analytical results and sample layout see section 9.2 and Fig.7

8.3 Calabozo Este

Calabozo Este was briefly examined in 2004 but not mapped in detail or sampled. A narrow skarn-forming dike was observed in an area of limited exposure. Up slope from this location is a significant concentration of white wollastonite skarn talus blocks.

8.4 Calabozo Showing

The Calabozo showing, on the west side of Quebrada Calabozo, was also briefly examined but not sampled, during 1:5,000 scale mapping of the area. The Calabozo showing is situated above a northeast-trending contact with the Calabozo stock. Calc-silicate and skarn development were observed over a length of 400 metres along this contact.

9.0 EXPLORATION

9.1 Exploration Program in 2004

The 2004 program included six diamond drill holes, surface mapping of La Ramada grid and limited sampling of the showings. Two of the diamond drill holes were

collared in El Rosal area of the property. These holes tested porphyry copper targets defined by previous programs. The remaining four drill holes were collared in La Ramada area to test the porphyry copper potential in areas where previous Induced Polarization (IP) geophysical surveys and grid soil geochemistry had outlined targets. Previous stream sediment surveys in the area also indicated the potential for copper mineralization in La Ramada area.

Additional time was spent mapping La Ramada grid area in more detail. Limited continuous chip sampling of mineralization was also carried out at La Ramada and La Ramada Sur.

9.2 Sampling in 2004

Mineralization at La Ramada and La Ramada Sur showings was sampled in June 2004 by local field assistants, under the supervision of geologist Dean DeLargie. Continuous chip samples were taken across the mineralized horizons over 2 metre sample intervals, where possible. The sample interval is the slope distance of the outcrop. Ten chip samples were taken at La Ramada Skarn (see Fig. 6). Assays range from 0.67 % copper over 1.5 metres to 2.14 % copper, with 1,000 ppb gold and 26.3 ppm silver, over 2 metres, true width.

Six select chip samples and eight continuous chip samples over 15 metres were taken at La Ramada Sur skarn zone (see Fig. 7). Selected chip samples were taken by the author to confirm earlier assays reported by Panteleyev (2003). These samples confirm the high copper concentrations previously reported, and range from 0.84% to 2.19% copper, with gold analyses of 99 to 2,500 ppb and silver ranging from 0.8 to 16.3 ppm. A black, siliciclastic unit was chip sampled at the south end of La Ramada Sur showing. This unit is uncommon but also occurs in a trench at the southern limit of La Ramada skarn zone. Malachite staining on outcrop surfaces, is the primary evidence of copper mineralization occurring in these rocks. The continuous chip samples over 15 metres of slope distance, returned assays ranging from 0.2% to 1.4% copper, 24 to 2,200 ppb gold and 1.3 to 3.6 ppm silver. This interval includes a 7 metre sample (slope distance) of 1.0% copper, 1,476 ppb gold and 2.7 ppm silver.

10.0 DRILLING

The 2004 program included six HQ/NQ diamond drill holes, totaling 1592 metres. Drilling was carried out using a man-portable hydraulic diamond drill rig. Drills were carried by local field assistants to the drill sites along man-made trails and reassembled at the drill pads. A man portable drill was chosen for this program to avoid using heavy machinery for the construction of access roads and drill pads and thereby reducing the environmental impact and reclamation cost.

The upper portions of all holes were drilled in HQ diameter core. The core diameter was reduced to NQ diameter core, when required by ground conditions. Holes ER08-04, RA01-04 and RA02-04 were drilled by Condor Drilling, and holes ER09-04, RA03-04 and RA04-04 were drilled by Bradley-MDH S.A.C, a subsidiary of Bradley Brothers Limited. Both companies are based in Lima Peru. Two of the diamond drill holes were collared in El Rosal area of the property and the remaining four holes were collared in La Ramada area. Drill hole locations from 2004 are shown on Figures 4, 5 and 8. A summary of the drill program statistics is presented in the following table.



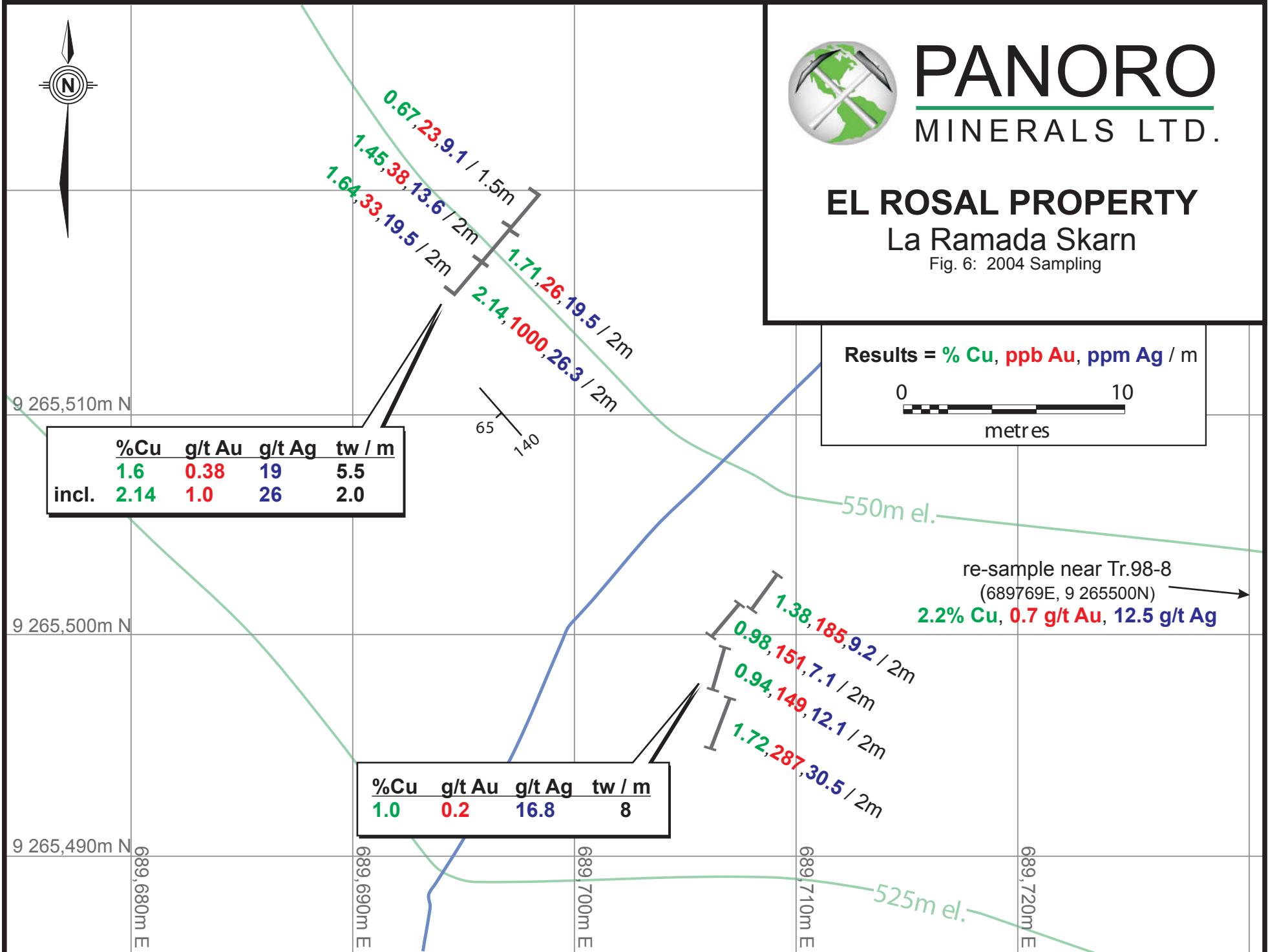
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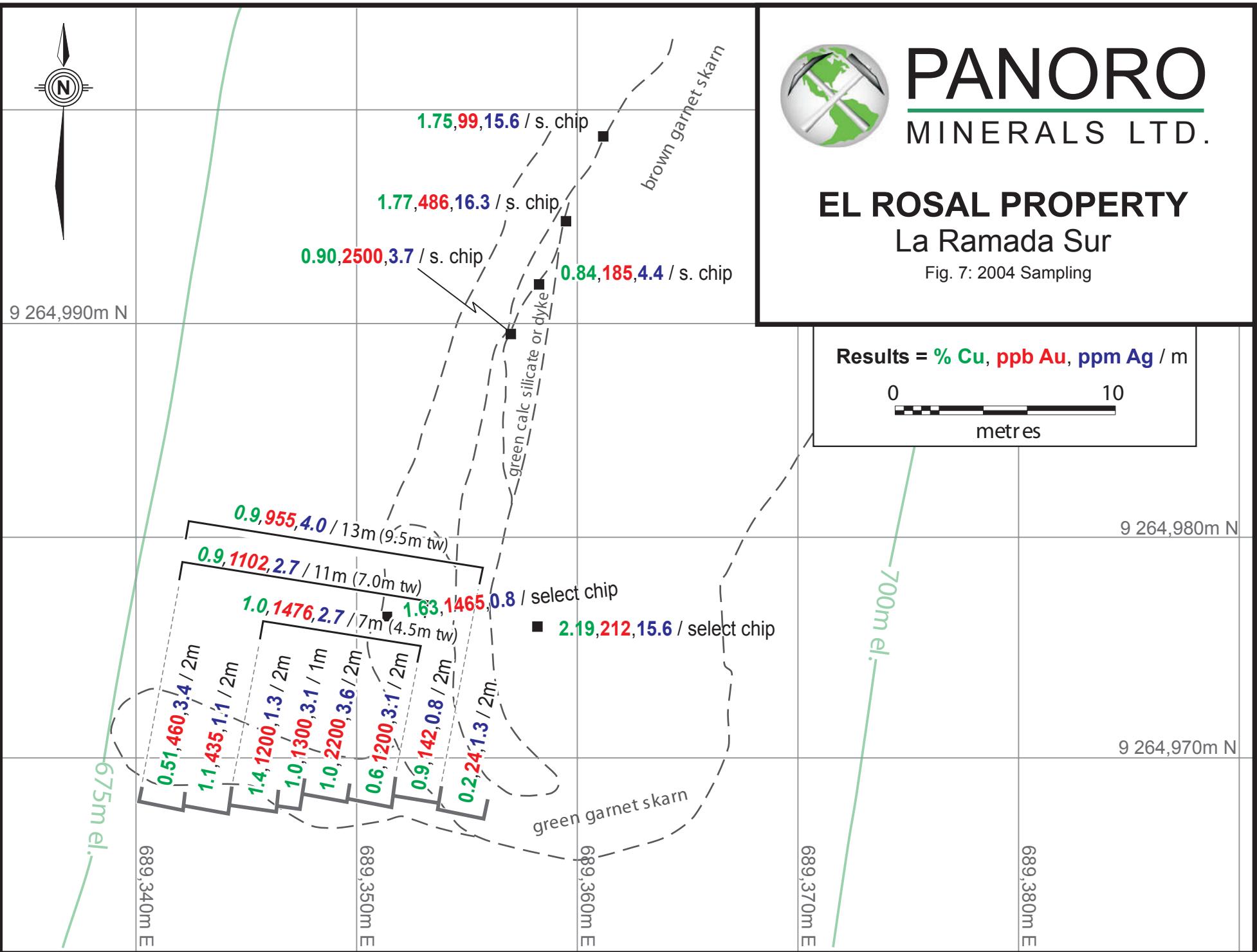
EL ROSAL PROPERTY

La Ramada Skarn

Fig. 6: 2004 Sampling

Results = % Cu, ppb Au, ppm Ag / m





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EL ROSAL PROPERTY La Ramada Sur

Fig. 7: 2004 Sampling

Table 2: Summary of 2004 Diamond Drilling Program

DDH	UTM E	UTM N	Elevation	Depth(m)	Angle	Azimuth	Start	Finish
ER08-04	688070	9265040	668 m	270.00	-90°	NA	13 Jan.04	25 Jan.04
ER09-04	687209	9264840	828 m	349.10	-60°	143°	25 Mar.04	8 Apr.04
RA01-04	689703	9265310	719 m	340.45	-55°	235°	4 Feb.04	23 Feb.04
RA02-04	689700	9265315	719 m	134.05	-60°	020°	26 Feb.04	17 Mar.04
RA03-04	689613	9264001	718m	277.65	-60°	225°	16 Apr.04	21 Apr.04
RA04-04	689931	9264352	645m	220.70	-90°	NA	22 Apr.04	27 Apr.04
			Total	1591.95				

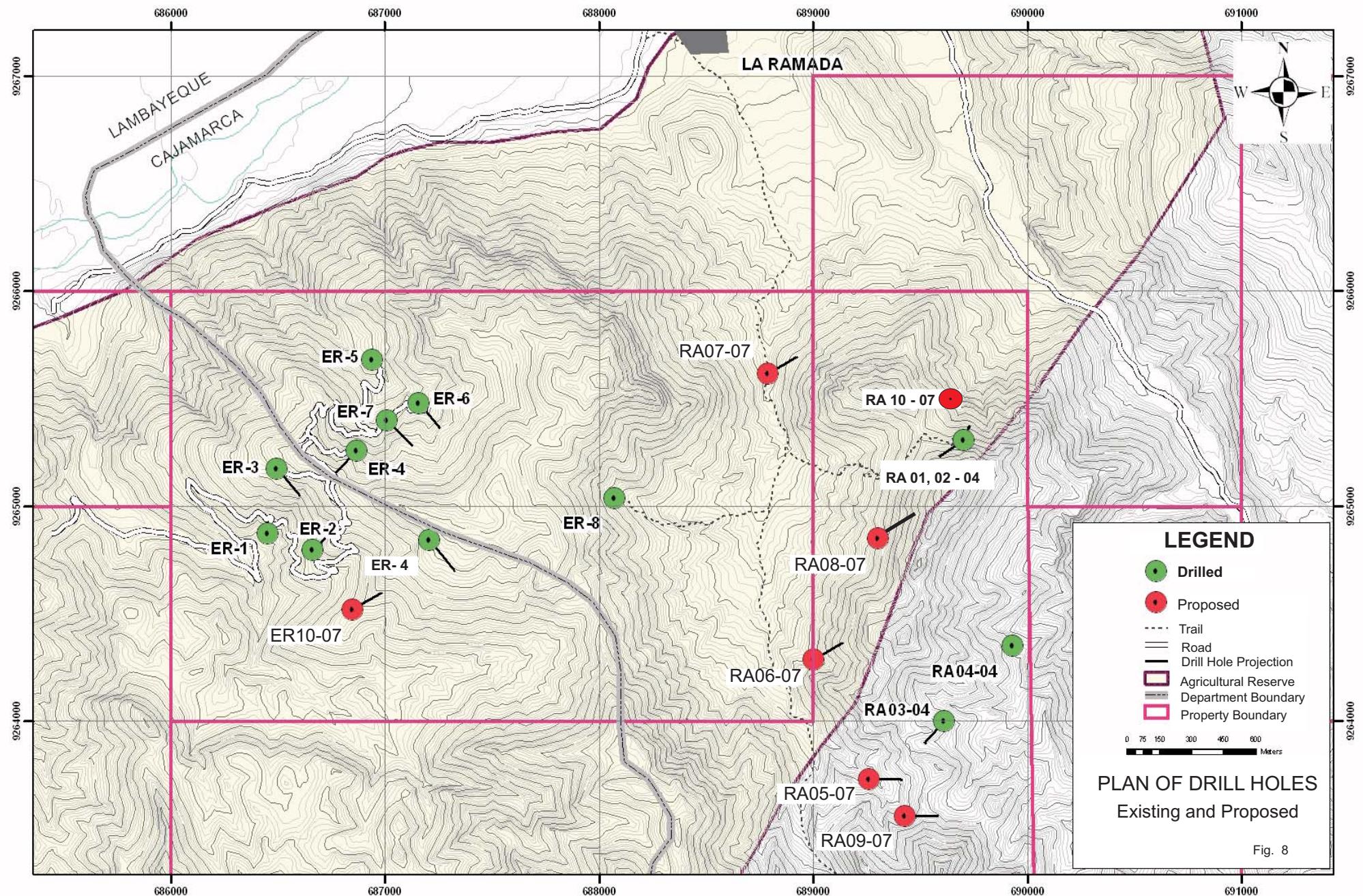
Drill core was logged and sampled in a rented, core storage yard in the village of La Ramada. Detail logs were made of each hole prior to sampling. Mineralized sections of core were split with a diamond saw and one-half of the core was sent for geochemical analyses or assay. Drill hole sections and summary logs with the analytical highlights are presented in the following pages. Detailed drill logs and analytical data are appended to this report.

DDH ER08-04, Fig.9, Table 3

Hole ER08-04 is located in southeastern El Rosal area. This hole is a 270 metre vertical hole, aimed at testing a deep Induced Polarization (IP) geophysical anomaly. After passing through 51.5 metres of weakly anomalous skarn and cal-silicate altered Unit 6a, calcareous siltstone, the hole cored intrusive rocks of Unit 10, of the Calabozo Stock. The intrusive rocks are vary in composition from tonalite to hornblende granodiorite. The core logging code for this unit is DIOR. Approximately 100 metres of intrusive below the contact, are geochemically anomalous in copper and zinc. Analyses locally increased to 1625 ppm zinc. The best assay interval in this hole is an intersection of a faulted vein at 154.3 metre depth. A 3.05 metre interval of this material returned an assay of 1.17% copper with 1,565 ppm zinc, 27 ppb gold and 10.2 ppm silver. The faulted vein contains chalcopyrite mineralization and displays distinctive epidote alteration. This mineralization and alteration style is typical of late mineralization, observed in drill holes and on surface, at El Rosal.

DDH ER09-04, Fig.10, Table 4

Hole ER09-04 is located southwest of previous drill holes at El Rosal. A 349 metre hole was drilled to the southeast at a 60 degree angle. This hole tested the centre of El Rosal stock below El Rosal anticline. Surface evidence of mineralization in the vicinity of the hole includes a cluster of quartz, epidote, chalcopyrite veins. A thick section of siltstone and limestone was cored before intersecting the intrusive contact at 296 metre depth. The first significant mineralization occurred in skarn and cal-silicate hornfels. An interval of 2.35 metres assayed 2.69% zinc starting at 279 metres. Four additional intervals, totaling 10.6 metres, within the skarn zone range from 1,555 to 5,000 ppm zinc. Zinc and copper concentrations are generally low within the intrusive sill, but increase in a second calc-silicate-altered horizon at the end of the hole. The skarn and calc-silicate alteration at the bottom of the hole indicate that this hole did not penetrate the El Rosal stock. Additional drilling is required to test this target.



Elev
800

ROCK CODES

DIOR	Diorite
GRAN	Granite
BWOL	Wollastonite/KSpar
WOL	Wollastonite
WG	Wollastonite
GB	Green-brown garnet
CL	Chlorite
LSTT	Tuff-limestone, Unit 4
LSTC	Limestone, cherty, Unit 5
LST	Limestone, Unit 5
SLST	Siltstone, Unit 6a
QE	Quartz-epidote
BP	Brown pyroxene

700

COLLAR

SLST
QE/WG
SLST
GG
GB/SLST
DIOR
GB/SLST

600

DIOR

500

FAULT

DIOR

Zinc

Cu 0.46%

Cu 1.17%

Metres
0 20 40 60 80 100

Copper

Copper & Zinc

PPM

500

1000

1500



EL ROSAL PROPERTY
DDH ER08-04
Section

Core Logging
Drafting

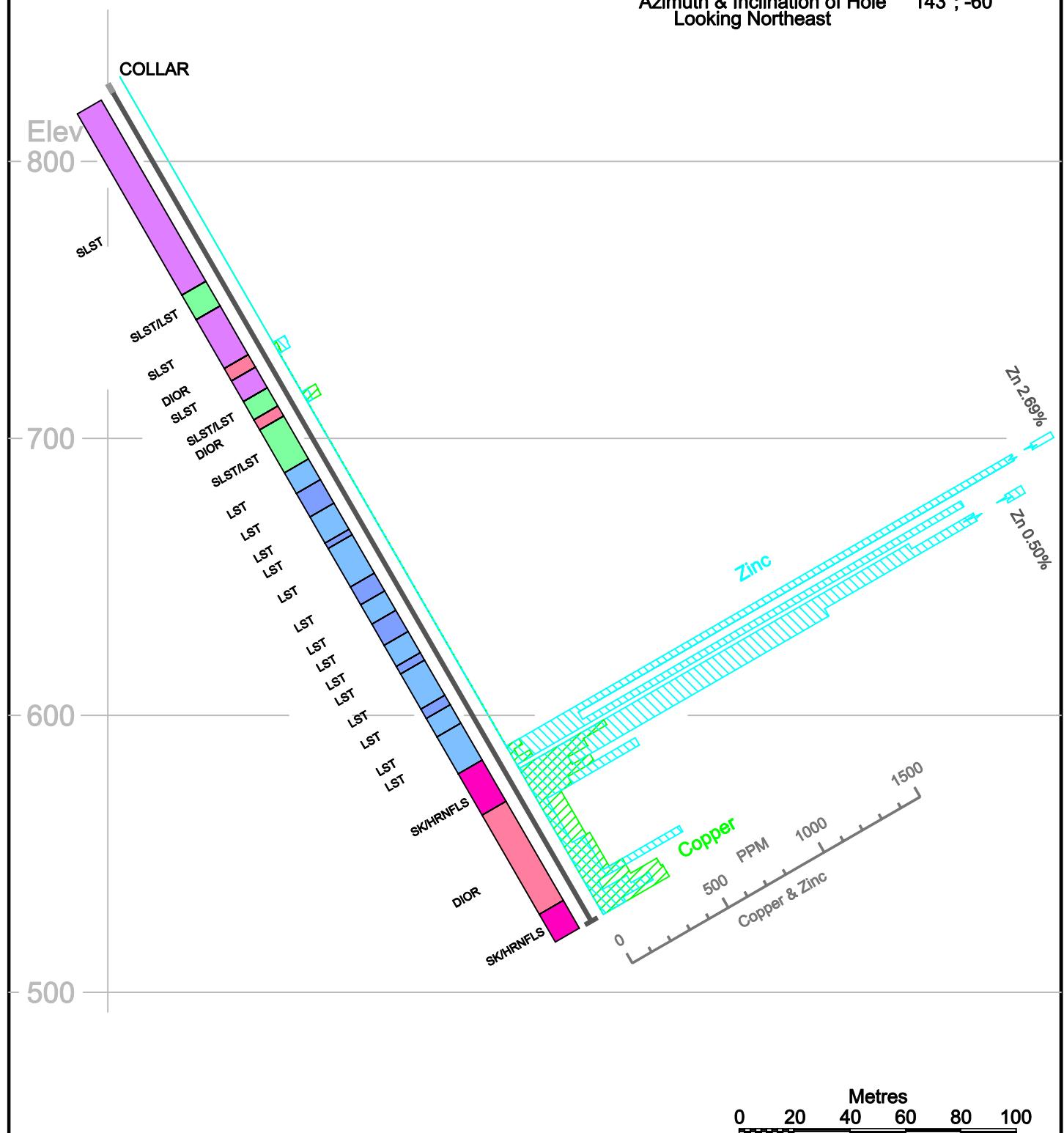
U.S.
R.L.

FIG
9

Table:3

Lithologic Boundaries				DDH ER08-04 SUMMARY						Sample Intervals								
From	To	calc. m	UNIT	Comments						From	To	calc.	ASSAY	Au ppb	Ag ppm	Cu ppm	Cu %	Zn ppm
0.00	5.05	5.05	OB	sand and boulders						37.10	41.80	4.70	B245086	8	0.7	366	99	
5.05	20.27	15.22	SLST	Unit 6a Siltstone, pale olive green to grey, non-calcareous						70.25	70.95	0.70	B245075	<5	1.9	488	240	
20.27	20.83	0.56	WG	Garnet-Wollastonite Skarn, pale grey to brown						89.75	92.30	2.55	B245067	<5	1.1	76	1590	
20.83	24.05	3.22	QE	Epidote Quartz Skarn, strongly calcareous						92.30	95.35	3.05	B245066	<5	0.5	82	1130	
24.05	25.00	0.95	WG	Garnet-Wollastonite Skarn, pale grey-green to brown, mottled						95.35	98.00	2.65	B245065	15	1.1	97	1750	
25.00	28.05	3.05	SLST	Unit 6a Siltstone, pale to medium brown, non-calcareous						98.00	101.45	3.45	B245064	13	0.8	300	996	
28.05	31.15	3.10	GG	Skarn: green and brown mottled and weakly banded, garnet, epidote and pyroxene skarn						124.20	127.55	3.35	B245054	167	0.8	198	396	
31.15	37.10	5.95	GB/SLST	Skarn/Hornfels: pale grey-green thinly laminated hornfels and green and brown mottled Skarn						127.55	129.70	2.15	B245053	136	0.5	49	295	
37.10	41.80	4.70	DIOR	Diorite: fractured and oxidized intrusive						132.50	135.50	3.00	B245051	15	1.8	223	1625	
41.80	51.50	9.70	GB/SLST	Skarn/Calc-Silicate Hornfels: interbanded pale grey-grn laminated hornfels and mottled Skarn						141.10	144.20	3.10	B245047	11	1	636	40	
51.50	70.05	18.55	DIOR	Unit 10 mixed Diorite: fine grained diorite cut by med grained leucocratic diorite						154.30	157.35	3.05	B245041	27	10.2	>10000	1.17	1565
70.05	110.30	40.25	DIOR	Unit 10 Diorite: alternating fine grained, dark diorite and med grained leucocratic diorite						157.35	160.04	2.69	B245040	17	2.7	4600	692	
110.30	140.50	30.20	DIOR	Unit 10 mixed Diorite: fine grained diorite cut by med grained leucocratic diorite						160.04	162.30	2.26	B245039	15	1.3	465	233	
140.50	146.00	5.50	DIOR	Unit 10 Hbl-phyric med grey-green Diorite						162.30	163.45	1.15	B245038	24	0.8	343	208	
146.00	152.90	6.90	DIOR	Unit 10 Feldspar-phyric Diorite						163.45	165.65	2.20	B245037	18	0.6	421	225	
152.90	154.30	1.40	DIOR	Unit 10 Hbl-phyric med grey-green Diorite						165.65	168.70	3.05	B245036	<5	<0.2	60	1165	
154.30	157.35	3.05	Fault	Fault Zone: calcareous fault gouge with epidote, trace sulphides						168.70	170.55	1.85	B245035	<5	<0.2	120	1595	
157.35	166.20	8.85	DIOR	Unit 10 Hbl-phyric med grey-green Diorite						170.55	172.60	2.05	B245034	<5	<0.2	113	1015	
166.20	172.70	6.50	DIOR	Unit 10 Feldspar-phyric > Hbl-phyric Diorite						206.95	210.00	3.05	B245022	5	0.5	515	26	
172.70	200.25	27.55	DIOR	Unit 10 mixed Feldspar-phyric > Hbl-phyric and fine grained Hbl Diorite						210.00	213.05	3.05	B245021	<5	0.4	328	68	
200.25	212.10	11.85	DIOR	Unit 10 mixed Hbl-phyric > feldspar-phyric and fine grained Hbl Diorite						228.05	231.10	3.05	B245015	14	1.2	440	56	
212.10	222.10	10.00	DIOR	Unit 10 mixed Feldspar-phyric > Hbl-phyric and fine grained Hbl Diorite						231.10	233.20	2.10	B245014	6	0.5	433	75	
222.10	225.40	3.30	DIOR	Unit 10 mixed Diorite: fine grained diorite cut by med grained leucocratic diorite						233.20	236.10	2.90	B245013	<5	0.6	335	74	
225.40	251.70	26.30	DIOR	Unit 10 fine grained diorite with narrow zones of feldspar-phyric leucocratic diorite						EOH								

Azimuth & Inclination of Hole 143°; -60°
Looking Northeast



EL ROSAL PROPERTY
DDH ER09-04
Section

(See ER08-04 for Rock Codes)

Core Logging U.S.
Drafting R.L. FIG
10

Table: 4

DDH ER09-04 SUMMARY									
From	To	calc. m	UNIT	Comments					
0.00	3.90	3.90	OB	weathered rock and OB					
3.90	14.55	10.65	SLST	Siltstone,Tuff Chert: non-calcareous, pale grey to beige, thinly laminated					
14.55	22.20	7.65	SLST	Siltstone, pale grey to red-brown weathered siltstone					
22.20	27.35	5.15	SLST	Siltstone: pale grey to white silicified siltstone, pervasive silification					
27.35	41.57	14.22	SLST	Siltstone: pale beige and pale grey mottled to thinly laminated, hornfels, weak calc-sil alteration					
41.57	79.40	37.83	SLST	Siltstone: pale olive brown, thinly laminated, weathered and broken core					
79.40	89.70	10.30	SLST/LST	Calcareous Siltstone: pale grey to white, weakly laminated with 10% cm scale carb bands					
89.70	97.20	7.50	SLST	Siltstone, Chert: gradational contact bleaching decreases with depth					
97.20	110.00	12.80	SLST	Chert/Siltstone: medium grey, vfg, thinly laminated siliceous siltstone					
110.00	115.20	5.20	DIOR	Intrusive Dike: pale grey, weak darker grey banding, feldspar phenocrysts, diss. po, py					
115.20	123.80	8.60	SLST	Siltstone: dark grey, thinly laminated siliceous siltstone					
123.80	131.40	7.60	SLST/LST	Calcareous Siltstone: pale grey and dark grey interbanded siliceous siltstone and carbonate bands					
131.40	135.60	4.20	DIOR	Unit 10 Sill: med to dark grey, fg, vfg diss. and blebby po					
135.60	147.65	12.05	SLST/LST	Calcareous Siltstone: white and med grey interbanded calcareous siltstone, weakly calc-sil altered					
147.65	153.50	5.85	SLST/LST	Interbedded Siltstone/Limestone: pale grey and dark grey interbedded limestone and siltstone					
153.50	162.10	8.60	LST	Unit 5 Limestone: light grey and dark grey mottled limestone					
162.10	171.90	9.80	LST	Calc-sil altered unit5: white and pale grey interbanded, weak calc-sil alteration II to banding					
171.90	182.80	10.90	LST	Unit 5 Limestone: light grey and dark grey mottled limestone					
182.80	185.05	2.25	LST	white and grey mottled bleached interval, silicified, weakly calcareous					
185.05	201.10	16.05	LST	Unit 5 Limestone: light grey and dark grey mottled limestone, variably silicified and altered to calc-sil					
201.10	208.50	7.40	LST	Banded Limestone:med grey and white banded, calcite xls in open fractures, calc-sil alteration					
208.50	216.60	8.10	LST	Unit 5 Limestone: light grey and dark grey mottled limestone					
216.60	225.45	8.85	LST	Calc-sil altered unit5: white and pale grey interbanded, weak calc-sil alteration II to banding					
225.45	234.25	8.80	LST	Unit 5 Limestone: light grey and dark grey mottled limestone					
234.25	237.35	3.10	LST	Calc-sil altered unit5: white and pale grey interbanded, weak calc-sil alteration II to banding					
237.35	252.30	14.95	LST	Unit 5 Limestone: light grey and dark grey mottled limestone					
252.30	255.95	3.65	LST	Calc-sil altered unit5: white and pale grey interbanded, weak calc-sil alteration II to banding					
255.95	263.60	7.65	LST	Unit 5 Limestone: light grey and dark grey mottled limestone					
263.60	279.00	15.40	LST	Massive Limestone:gradational from unit 5, limited bleaching parallel to bedding planes					
279.00	296.20	17.20	SK/HRNFLS	Skarn/Calc-silicate Hornfels:pxn, epidote, garnet skarn, chlorite overprinting, TR sph, py					
296.20	337.55	41.35	DIOR	Unit 10 Sill: fg med grey to gry-brn, Hbl Dior. pervasive secondary biot. later bleaching along fract.					
337.55	349.10	11.55	SK/HRNFLS	Skarn/Calc-silicate Hornfels:pxn, epidote, garnet skarn, in calcareous and cherty metasediments					
EOH									

Blocks Assay Tag									
From	To	calc. m	Number	Au ppb	Ag ppm	Cu ppm	Zn ppm	Zn%	Pb ppm
110.65	113.00	2.35	B245256	<5	0.4	14	60	53	
113.00	115.20	2.20	B245257	<5	0.4	12	56	55	

Blocks Assay Tag									
From	To	calc. m	Number	Au ppb	Ag ppm	Cu ppm	Zn ppm	Zn%	Pb ppm
131.35	133.50	2.15	B245258	<5	0.2	71	29	10	
133.50	135.60	2.10	B245259	<5	<0.2	69	27	8	

Blocks Assay Tag									
From	To	calc. m	Number	Au ppb	Ag ppm	Cu ppm	Zn ppm	Zn%	Pb ppm
279.00	281.35	2.35	B245260	8	2.7	67	>10000	2.69	62
281.35	284.40	3.05	B245261	<5	1.6	25	359	79	
284.40	286.75	2.35	B245262	<5	2.1	83	2330	104	

Blocks Assay Tag									
From	To	calc. m	Number	Au ppb	Ag ppm	Cu ppm	Zn ppm	Zn%	Pb ppm
288.35	290.50	2.15	B245263	11	4.9	441	2030	148	
290.50	293.55	3.05	B245264	<5	1.5	319	5000	93	
293.55	296.60	3.05	B245265	<5	1.5	218	1555	115	
296.60	299.65	3.05	B245266	<5	0.8	310	263	13	
299.65	302.70	3.05	B245267	5	0.8	172	523	43	

Blocks Assay Tag									
From	To	calc. m	Number	Au ppb	Ag ppm	Cu ppm	Zn ppm	Zn%	Pb ppm
332.60	335.10	2.50	B245269	<5	<0.2	132	103	8	
335.10	337.55	2.45	B245270	5	0.3	201	497	9	
337.55	341.20	3.65	B245271	10	0.2	200	57	19	
341.20	344.25	3.05	B245272	5	0.3	336	180	10	
344.25	347.30	3.05	B245273	<5	0.8	344	273	34	
347.30	349.10	1.80	B245274	6	0.8	344	117	16	

DDH RA01-04, Fig.11, Table 5

Hole RA01-04 is the first hole drilled in La Ramada area. It is located on the east side of La Ramada ridge, south of La Ramada skarn zone. A 340 metre hole was drilled to the southwest at a 55 degree angle. The hole tested the area between La Ramada and La Ramada Sur skarn zones. Most of the hole cored calcareous rocks or their altered equivalents to a depth of 311 metres. A diatreme breccia, was encountered from 21.1 to 47.9 metres. This rock type was encountered in drill core for the first time. A 0.7 m fragment of chalcopyrite, sphalerite mineralized skarn within the breccia, returned an assay of 3.1% copper, 12.25% zinc and 48.6 ppm (g/tonne) silver. A second intercept of magnetite, chalcopyrite, green garnet skarn in the footwall contact of the breccia assayed 1.27% copper and 22.4 ppm (g/tonne) silver over 1.37 metres. This skarn horizon and adjacent interval of mineralized breccia average 0.57% copper over 6.0 metres. The magnetite, chalcopyrite skarn is in place and is separated from the breccia by a narrow band of cherty siltstone. Alternating bands of skarn, calc-silicate alteration and limestone continue down the hole with minor intersections of altered and unaltered porphyritic dykes. Wollastonite-bearing skarn horizons are common to 185 metre depth. Below this depth, garnet-epidote bearing horizons become increasingly frequent. Altered equivalents of Unit 6b carbonate are anomalous in both copper and zinc over the length of the hole. Metal concentrations increase over short intervals up to 2,910 ppm Cu and 9,890 ppm zinc.

The abundance of quartzite fragments in the diatreme breccia indicates an upward movement of material, suggesting that the zinc-copper skarn has come from below. DDH RA02-04 did not intersect a similar skarn sequence and it is reasonable to conclude that this skarn zone strikes parallel to the strike of Unit 6b, carbonate outcrops, along the ridge to the southwest. These outcrops have steep to vertical dips, which is also indicated by the core angles of calc-silicate bands in RA01-04. This enhances the depth potential of the magnetite-copper skarn. The depth of the intrusive contact with the carbonate is unknown on the east side. It is clearly deeper than is indicated by surface outcrops of Unit 10. The zinc-copper fragment encountered in the diatreme breccia may be a sample of a similar skarn zone developed at a deeper level. There is no known equivalent mineralization on surface in La Ramada area. One fragment of porphyry-style mineralization was also observed in the diatreme section of the core.

DDH RA02-04, Fig.12, Table 6

Drill hole RA02-04 was collared at the same location as RA01-04. This hole was drilled in a north-northeasterly direction at a 60 degree angle. This hole was intended to test skarn mineralization toward La Ramada skarn zone but was lost in a fault zone and terminated at 134 metres. No samples were taken from the core because the diatreme breccia intercept suffered from very poor recovery and lacked mineralization. The lithologies cored by this hole also duplicated those seen in RA01-04, but with poorer recovery.

Azimuth & Inclination of Hole 235°; -55° Looking Northwest

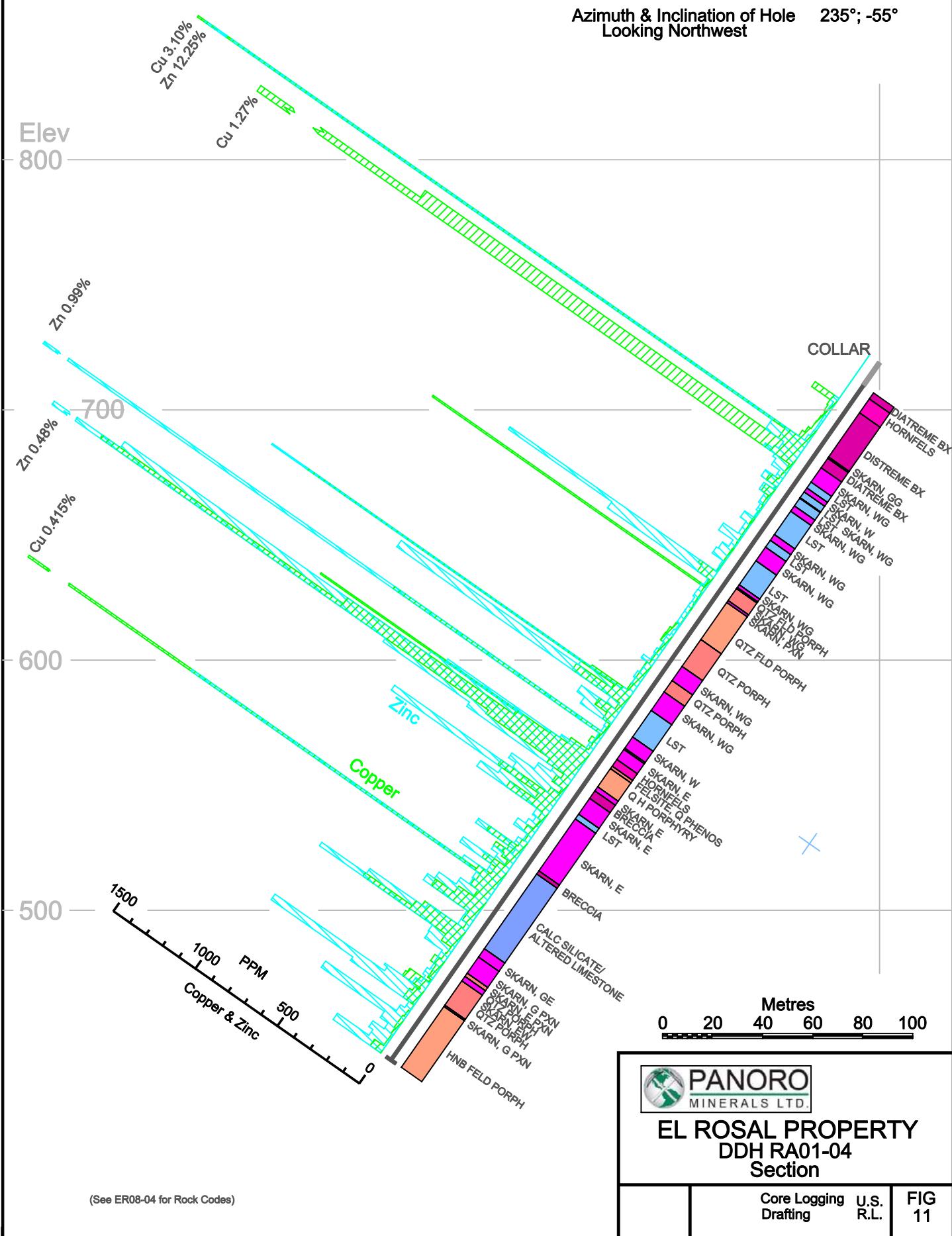


Table: 5

DDH RA01-04 SUMMARY & ASSAYS												
From	To	calc. m	UNIT	Comments								
0.00	11.40	11.40	OB	Overburden and quartz boulders								
11.40	14.30	2.90	1	Quartzite, possibly boulders								
14.30	21.10	6.80	HRNFLS	Med. green cal-sil altered fine grained carbonate								
21.10	42.65	21.55	8	DIATREME BRECCIA; with leucocratic quartz porphyry and quartzite? cobbles								
42.65	43.35	0.70	GG	Green garnet-FeOx CPv Skarn 30% sph, 10% Py, 3%Cpy, bo								
43.35	47.90	4.55	8	DIATREME BRECCIA; leucocratic quartz porphyry, quartzite? cobbles and lithic fragments								
47.90	51.30	3.40	GG	Green garnet Skarn and hornfels TR Py,Cpy								
51.30	53.85	2.55	GG	Green and black garnet-FeOx CPv Skarn 20% Magnetite, Py,Po, up to 3%Cpy								
53.85	54.90	1.05	WG	Beige weakly banded garnet-woll. skarn								
54.90	57.80	2.90	6b	Limestone, pale grey and dark grey mottled, weak calc-sil alteration								
57.80	59.70	1.90	WOL	White woll. ? skarn								
59.70	62.50	2.80	6b	Limestone, dark grey with white patches								
62.50	62.80	0.30	WG	Pale beige garnet-Woll. ? skarn								
62.80	66.50	3.70	6b	Limestone, pale grey and dark grey mottled								
66.50	69.10	2.60	WG	Pale beige garnet-Woll. ? skarn								
69.10	80.50	11.40	6b	Limestone, pale grey and dark grey mottled								
80.50	83.30	2.80	WG	Calc-silicate altered Limestone, bands of woll.-garnet								
83.30	86.65	3.35	6b	Limestone, pale grey and dark grey patches								
86.65	93.30	6.65	WG	Calc-silicate altered Limestone, bands of woll.-garnet								
93.30	100.55	7.25	6b	Pale grey and grey-green mottled Limestone, weak calc-silicate alteration, very calcareous								
100.55	105.00	4.45	6b	Dark grey Limestone, garnet-woll. alteration at 103.4-103.7, 103.8-104.3, very calcareous								
105.00	106.30	1.30	WG	Wollastonite-epidote-garnet skarn, weakly calcareous								
106.30	106.90	0.60	11	Porphyry dike, grey, fine grained, green altered phenocrysts or mineral aggregates								
106.90	112.70	5.80	WG	Garnet-wollastonite skarn, pale beige to pale green Pxn ?, weakly calcareous								
112.70	113.65	0.95	GPXN	Pale green mottled garnet pyroxene ? skarn, weakly calcareous								
113.65	131.70	18.05	11	Unit 11, QFP, quartz feldspar porphyry with clear qtz. phenocrysts or qtz. aggregates								
131.70	144.80	13.10	11b	White altered and silicified quartz porphyry, milky white, fractured, calcite along fractures								
144.80	151.75	6.95	WG	Wollastonite-garnet skarn, weakly calcareous								
151.75	157.30	5.55	11b	altered and silicified quartz porphyry, pale grey, fractured, calcite along fractures								
157.30	165.90	8.60	WG	Wollastonite-garnet skarn, weakly calcareous								
165.90	166.30	0.40	WG	Garnet-wollastonite skarn, weakly calcareous								
166.30	179.25	12.95	6b	Limestone; dark grey with lighter abnds, weak calc-silicate alteration								
179.25	184.70	5.45	WOL	Wollastonite skarn; pale grey and white mottled, rare pale brown garnet bands								
184.70	185.35	0.65	EG	Epidote-garnet skarn								
185.35	188.30	2.95	HRNFLS	Calc-silicate hornfels; pale grey-green								
188.30	190.25	1.95	HRNFLS	Calc-silicate hornfels; medium brown								
190.25	193.50	3.25	11b	White to grey siliceous, igneous rock, quartz phenocrysts, flow banded ?texture								
193.50	194.70	1.20	HQP	pale grey and black mottled Qtz-Hbl porphyry, angular qtz phenocrysts, po trace cpy								
194.70	203.60	8.90	EG	Garnet-epidote skarn, patches of disseminated bornite, chalcopy assoc. with epidote								
203.60	205.55	1.95		Breccia; limestone, lithic and intrusive rounded fragments in calc-silicate matrix								
205.55	209.20	3.65	EG	Garnet-epidote skarn, patches of disseminated bornite, chalcopy assoc. with epidote								
209.20	216.90	7.70	6b	Calc-silicate altered Limestone, bands of garnet, diopside? 30% calc-silicate								
216.90	219.25	2.35	EG	Garnet-diopside?-epidote skarn								
219.25	243.30	24.05	6b	Calc-silicate altered Limestone, mottled to weakly banded, garnet, diopside?, epidote								
243.30	244.55	1.25	6b	Calc-silicate altered Limestone, mottled brown and pink, weakly calcareous								
244.55	246.10	1.55		Breccia; calc-silicate altered fragments								
246.10	247.75	1.65	6b	Calc-silicate altered Limestone, mottled brown and pink, weakly calcareous								
247.75	248.30	0.55	6b	weakly altered very calcareous section								
248.30	256.50	8.20	6b	Pale grey calc-silicate altered carbonate, 20-30 % calc-silicate minerals								
256.50	278.20	21.70	6b	Calc-silicate altered Limestone, with dark green chloritic alteration along fractures, calcareous								
278.20	282.57	4.37	6b	pale grey, weakly calc-silicate altered limestone								
282.57	285.00	2.43	EG	Garnet-epidote-pyroxene skarn, highly fractured, chlorite along fractures								
285.00	286.65	1.65	EG	Epidote-Pyroxene-Wollastonite-Garnet Skarn								
286.65	290.40	3.75	WG	Garnet-Pyroxene-Wollastonite Skarn								
290.40	294.50	4.10	WG	Wollastonite-Garnet-Pyroxene Skarn, weakly calcareous								
294.50	296.10	1.60	EG	Garnet-Pyroxene-Epidote-Wollastonite Skarn								
296.10	298.25	2.15	10	Quartz Porphyry: vfg chilled margin of unit 10, minor endoskarn								
298.25	305.70	7.45	EG	Garnet-diopside?-epidote skarn								
305.70	307.70	2.00	EG	Epidote-Garnet Skarn								
307.70	310.10	2.40	EG	Epidote-Wollastonite-Garnet-Pyroxene Skarn								
310.10	310.75	0.65		Chloritic Garnet-Pyroxene Skarn								
310.75	316.10	5.35	10	Quartz Porphyry: vfg chilled margin of unit 10								
316.10	340.45	24.35	10	Hornblende-feldspar Porphyry (Diorite); med green fine grained/med grained hbl diorite								

Sample intervals												
from	to	calc.	Sample#	Aupp	Agppm	Cuppm	CU%	Znppm	ZN%			
42.65	43.35	0.70	B245103*	31	48.6	>10000	3.1	>10000	12.25			
43.35	47.90	4.55	B245104	<5	1	136	0.0136	214				
47.90	51.25	3.35	B245105	16	5.2	2290	0.229	104				
51.25	52.53	1.28	B245106	7	6.2	7090	0.709	130				
52.53	53.90	1.37	B245107	21	22.4	>10000	1.27	174				

B245103* also: 340 As 358 Co 15 Mo 6.9% S

Moppm												
from	to	calc.	Sample#	Aupp	Agppm	Cuppm	CU%	Znppm	ZN%			
105.85	107.00	1.15	B245110	18	0.5	107	27	1265				
107	110.05	3.05	B245111	5	0.2	85		634				

113.10 113.80 0.70 B245113 6 1.7 1670 36												
from	to	calc.	Sample#	Aupp	Agppm	Cuppm	CU%	Znppm	ZN%			
113.10	113.80	0.70	B245113	6	1.7	1670	36					

165.75 166.25 0.5 B245196 654 2.5 1990 2190												
from	to	calc.	Sample#	Aupp	Agppm	Cuppm	CU%	Znppm	ZN%			
165.75	166.25	0.5	B245196	654	2.5	1990	2190					

194.70 196.10 1.40 B245125 9 0.5 122 172												
from	to	calc.	Sample#	Aupp	Agppm	Cuppm	CU%	Znppm	ZN%			
194.70	196.10	1.40	B245125	9	0.5	122	172					
196.10	196.95	0.85	B245126	7	0.7	225	854					
196.95	197.50	0.55	B245127	17	2.5	1620	391					
197.50	199.05	1.55	B245128	16	0.9	427	945					

199.05 201.95 2.90 B245129 42 4.1 1440 2800												
from	to	calc.	Sample#	Aupp	Agppm	Cuppm	CU%	Znppm	ZN%			
199.05	201.95	2.90	B245129	42	4.1	1440	2800					
201.95	203.55	1.60	B245130	152	7							

Azimuth & Inclination of Hole 020°; -60°
Looking Northeast

Elev
800

700

600

500

COLLAR

DIATREMЕ BX

SKARN, CS
HRNFLS

LST

HRNFLS

LST

QTZ PORPH

HRNFLS

LST

HRNFLS

QTZ PORPH

HRNFLS

SKARN, CS

LST

HRNFLS

LST

Hole was
not Sampled

1500

1000

500

0

Metres

0 20 40 60 80 100



EL ROSAL PROPERTY
DDH RA02-04
Section

(See ER08-04 for Rock Codes)

Core Logging U.S.
Drafting R.L.

FIG
12

Table: 6

DDH RA02-04 SUMMARY					
From	To	calc. m	UNIT	Comments	
0.00	32.55	32.55	Breccia?	Quartzite, small sub-angular fragments, minor clay and weathered intrusive possible breccia?	
32.55	34.70	2.15	Breccia	Intrusive breccia, small rounded igneous and lithic fragments	
34.70	41.95	7.25	Breccia?	Quartzite fragments, white sub-rounded fragments	
41.95	49.10	7.15		Calc-silicate hornfels/Skarn, green, partly oxidized, faulted	
49.10	54.60	5.50	HRNFLS	Calc-silicate hornfels pale grey to beige and pink calc-silicate alteration	
54.60	58.95	4.35	LST	Limestone; pale grey and dark grey bands, with weak calc-silicate alteration and bleaching	
58.95	67.90	8.95	LST	Limestone; dark grey and pale mottled, weak calc-silicate alteration and bleaching along fractures	
67.90	74.55	6.65	HRNFLS	Calc-silicate altered Limestone: pale green and dark grey	
74.55	77.25	2.70	LST	Limestone; pale grey and dark grey, with weak calc-silicate alteration strongly calcareous	
77.25	86.30	9.05	QP?	Quartz Porphyry?, marginal phase?, pale grey vfg quartz, low percentage of quartz phenocryst	
86.30	91.20	4.90	HRNFLS	Calc-silicate hornfels, pale green and brown calc-silicate hornfels	
91.20	97.40	6.20	LST	Limestone, pale grey and dark grey weakly banded to mottled texture, weak calc-silicate locally	
97.40	99.80	2.40	LST	Limestone, pale grey and dark grey weakly banded to mottled texture	
99.80	104.30	4.50	HRNFLS	Altered Limestone, pale grey to white, non-calcareous to weakly calcareous	
104.30	105.60	1.30	QP?	Intrusive, pale grey-green, marginal phase, vfg groundmass, sub-rounded po/py aggregates 10%	
105.60	107.50	1.90	HRNFLS	Calc-silicate altered Limestone, pale green to beige, with short intervals of less altered limestone	
107.50	115.55	8.05	SKARN	Skarn/calc-silicate banded limestone, trace bo, cpy associated with epidote	
115.55	116.95	1.40	LST	Limestone, less altered interval	
116.95	123.20	6.25	HRNFLS	Calc-silicate altered limestone, and skarn bands	
123.20	124.60	1.40	LST	Limestone, less altered interval	
124.60	134.05	9.45	HRNFLS	Calc-silicate altered limestone	

EOH

Note: RA02-04 Not Assayed, Hole abandoned

DDH RA03-04, Fig. 13, Table 7

Drill hole RA03-04 was collared in southern La Ramada area and was intended to test a strong and extensive IP anomaly outlined in 2003. This hole was drilled in a southwesterly direction at a 60 degree angle. The hole is collared in Unit 2, which comprises interlayered calcareous siltstone and limestone. The upper 166 metres of core intersected interlayered, black limestone, intruded by sills of Unit 10b, quartz diorite, rare intrusive breccia and endoskarn. This sequence terminates at a 2.35 metre wide fault zone. Below the fault zone, Unit 2 is represented by calcareous siltstone, siltstone and cherty siltstone. This sequence is also intruded by sills and dykes? of Unit 10b and minor intrusive breccia. Sphalerite mineralization occurs in the intrusive host rocks over narrow intervals. The strongest concentration, occurs over a 90 cm interval of intrusive breccia containing porphyry and non-calcareous lithic fragments. Two massive sulphide fragments, containing pyrite and sphalerite, and measuring 2 x 8cm and 1.5 x 3 cm occur in this interval. Core samples from 94.1 to 199.8 metres and from 236.35 to 259.35 metres, returned anomalous zinc concentrations, including 2370 ppm zinc over 1.30 metres, 2,570 ppm zinc over 3.05 metres and three additional sample intervals exceeding 1,000 ppm zinc. The highest assay in this interval is 4.65% zinc, 2.47% lead, with 43.5 ppm (g/tonne) silver and 794 ppm copper over 30 cm from a pyrite, sphalerite, calcite vein with a true thickness of 13 cm. The sulphide fragments and veining suggest a mineralizing system at greater depth.

The pyrite and pyrrhotite content of the rocks, appears to be responsible for the IP-anomaly.

DDH RA04-04, Fig.14, Table 8

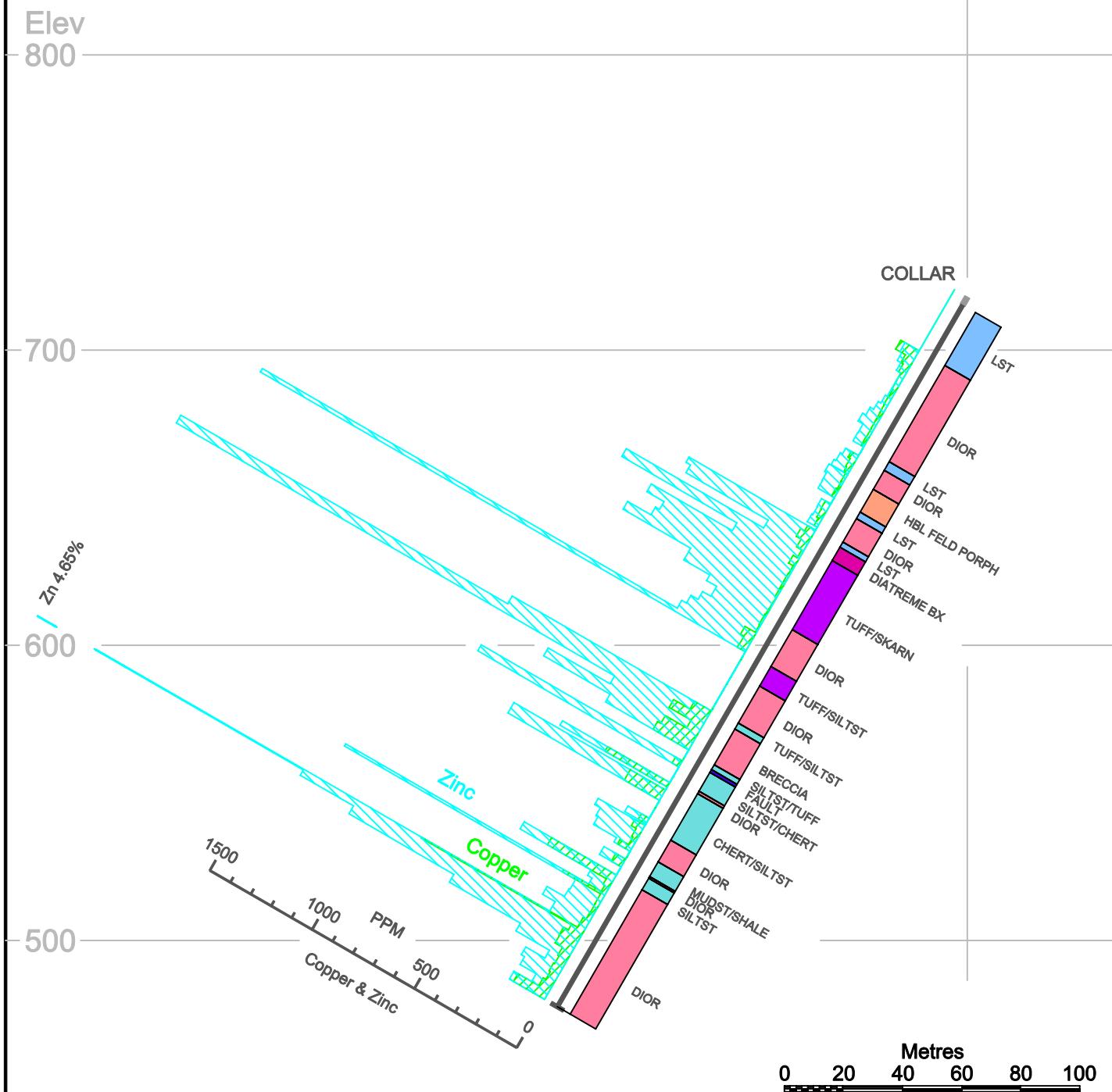
Drill hole RA04-04, a 221 metre, vertical hole, also tested the strong IP anomaly in the southern part of La Ramada area. This hole intersected calcareous, non calcareous siltstone and limestone of Unit 2, intruded by Unit 10a diorite and post-mineralization, quartz feldspar porphyry over an interval from about 74 to 180 metres. Selected pyritic sections of core were analyzed but are not anomalous. The sulphide content in the entire hole was low, indicating that the drill hole apparently did not test the IP-anomaly.

11.0 EXPLORATION PROGRAM 2006

In 2006, Panoro explored the La Ramada area of the property under the direction of geologist César Raraz. The purpose of the 2006 program was to map and sample the diatreme breccia, re-examine Ramada, Ramada Sur and Calabozo Este showings, develop a better understanding of La Ramada geology and to look for indications of a possible underlying deep porphyry system to guide a future drill program.

This program was carried out from March 20 to May 14, 2006 in two periods, totaling 47 days. Fifteen hundred metres of trails were cut along the breccia zone in La Ramada area. Four hand trenches, with a total length of 781 metres, were excavated perpendicular to the trend of the breccia zone. A total of 325 chip and channel samples

Azimuth & Inclination of Hole 225°; -60°
Looking Northwest



EL ROSAL PROPERTY
DDH RA03-04
Section

(See ER08-04 for Rock Codes)

	Core Logging Drafting	U.S. R.L.	FIG 13
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Table: 7

DDH RA03-04 SUMMARY							
From	To	calc.m.	UNIT	Comments			
0.00	3.20	3.20	OB	pale grey-brown clay and small rock fragments			
3.20	23.95	20.75	UNIT2	LIMESTONE: med. grey to black thinly laminated, trace diagenetic py, weakly weathered			
23.95	61.60	37.65	DIOR	Unit 10b Diorite: Sill, contact parallel to bedding at 75deg.CA, Hbl, med grained, fg diss po>py 4:1%			
61.60	64.95	3.35	UNIT2	BLACK LIMESTONE: no alteration			
64.95	72.40	7.45	DIOR	DIORITE: medium and fine grained Hbl diorite			
72.40	81.30	8.90		Olive green fine grained porphyry			
81.30	83.80	2.50	UNIT2	BLACK LIMESTONE: xenolith, no alteration			
83.80	93.00	9.20	DIOR	DIORITE: medium grained Hbl diorite and diorite breccia; lower contact is faulted			
93.00	95.00	2.00	UNIT2	BLACK LIMESTONE: no alteration			
95.00	100.25	5.25	BRECCIA	INTRUSIVE BRECCIA: pale olive green porphyry and lithic fragments,			
100.25	127.30	27.05		CALCAREOUS TUFF / SKARN			
127.30	141.70	14.40	DIOR	INTRUSIVE: Unit 10b greenish-grey, porphyritic breccia, pyritic stockwork and silicification			
141.70	149.35	7.65	UNIT2	XENOLITH: medium greenish grey, to olive green altered metasediments			
149.35	163.80	14.45	ENDOSKARN	Mixed grey-green, intrusive, intrusive breccia, metasedimentary, lithic breccia, endoskarn unit			
163.80	166.15	2.35		Fault Zone			
166.15	180.10	13.95	UNIT2	Black calcareous siltstone			
180.10	182.00	1.90	UNIT2	Mixed olive green intrusive and hornfels			
182.00	183.10	1.10	UNIT2	medium olive green calcareous and pyritic metasediments and breccia			
183.10	188.20	5.10	UNIT2	medium green calcareous siltstone, po aggregates and py in fractures			
188.20	190.45	2.25	UNIT2	pale olive green, weakly calcareous, vfg thinly laminated hornfels, po			
190.45	191.40	0.95	DIOR	Unit 10b Diorite: pale greenish grey Hbl diorite			
191.40	192.75	1.35	UNIT2	olive green and black thinly laminated hornfels with po			
192.75	202.60	9.85	DIOR	Intrusive breccia			
202.60	209.60	7.00	UNIT2	SILTSTONE / CHERT: non-calcareous to weakly calcareous, black to olive green shale to chert			
209.60	218.10	8.50	DIOR	UNIT 10b diorite sill, upper contact parallel to banding			
218.10	223.85	5.75	UNIT2	MUDSTONE / CHERT: dark grey to olive green shale to chert, locally siliceous			
223.85	224.50	0.65	DIOR	UNIT 10b altered, sill, upper contact parallel to banding, lower contact is faulted			
224.50	229.00	4.50	UNIT2	SILTSTONE / CHERT: non-calcareous to weakly calcareous, black to olive green shale to chert			
229.00	231.80	2.80	BRECCIA	INTRUSIVE BRECCIA: medium to pale green porphyry and lithic fragments, gradational with 10b			
231.80	277.65	45.85	DIOR	Unit 10b porphyritic diorite, py & calcite vns 4/m, sphalerite, py vein at 251m			
EOH							

Sample No	From	To	metres	Au ppb	Ag ppm	Cu ppm	Zn ppm	Zn %	Pb %
B245296	94.10	96.15	2.05	18	0.8	39	619		
B245297	96.15	99.20	3.05	<5	1.5	58	597		
B245298	99.20	102.25	3.05	<5	0.6	34	195		
B245299	102.25	105.30	3.05	<5	1.2	9	866		
B245300	105.30	108.35	3.05	5	0.6	29	304		
B245301	108.35	111.40	3.05	<5	0.5	7	700		
B245302	111.40	114.45	3.05	<5	0.2	9	616		
B245303	114.45	117.50	3.05	<5	<0.2	9	636		
B245304	117.50	120.55	3.05	<5	0.3	8	750		
B245305	120.55	122.10	1.55	<5	0.2	2	420		
B245306	122.10	125.15	3.05	<5	<0.2	4	420		
B245307	125.15	127.35	2.20	<5	<0.2	5	293		
B245308	127.35	131.25	3.90	<5	0.2	8	244		
B245309	131.25	134.30	3.05	<5	0.3	5	284		
B245310	134.30	137.35	3.05	<5	0.3	55	319		
B245311	137.35	140.40	3.05	<5	0.5	38	342		
B245312	140.40	141.70	1.30	6	0.5	40	2370		

B245313	164.80	167.85	3.05	26	8.3	82	973		
B245314	167.85	170.90	3.05	39	13.8	162	2570		
B245315	170.90	173.95	3.05	11	2.7	54	428		
B245316	173.95	177.00	3.05	63	2.8	158	731		
B245317	177.00	180.05	3.05	19	2.2	174	406		
B245318	184.35	186.70	2.35	13	1.2	33	983		
B245319	192.85	194.60	1.75	22	0.4	304	524		
B245320	195.75	199.80	4.05	20	1.7	172	741		

B245330	236.35	237.20	0.85	133	3.7	205	1270		
B245331	237.20	241.05	3.85	<5	0.3	18	140		
B245332	241.05	244.10	3.05	<5	0.3	17	145		
B245333	244.10	247.15	3.05	<5	0.8	18	230		
B245334	247.15	250.90	2.00	<5	0.4	32	168		
B245335	250.90	251.20	0.30	77	43.5	794	>10000	4.65	2.47
B245336	251.20	253.25	2.05	24	1.6	60	1370		
B245337	253.25	256.30	3.05	16	1.3	83	1110		
B245338	256.30	259.35	3.05	7	0.6	81	597		

Bearing & Inclination of Hole Vertical

Elev
800

700

COLLAR

MUDST
LST
MUDST/CHERT
LST
MUDST
FELD PORPH
LST
DIOR

FELD PORPH
DIORITE
QTZITE
DIOR
QTZITE

Zinc

Metres
0 20 40 60 80 100
Copper & Zinc
0 50 100 PPM



EL ROSAL PROPERTY
DDH RA04-04
Section

(See ER08-04 for Rock Codes)

Core Logging U.S.
Drafting R.L.
FIG
14

Table: 8

DDH RA04-04 SUMMARY & ASSAYS							
From	To	calc. m	UNIT	Comments			
0.00	3.50	3.50	OB	pale grey-brown clay and small rock fragments			
3.50	26.40	22.90	UNIT2	CALCAREOUS MUDSTONE: strongly calcareous, dark grey to black			
26.40	30.30	3.90	LS	LIMESTONE: looks like Unit 5, dark grey and light grey mottled limestone			
30.30	40.00	9.70	UNIT2	MUDSTONE / CHERT: non-calcareous, dark grey to black			
40.00	40.60	0.60	LS	LIMESTONE: medium grey, brecciated limestone			
40.60	53.80	13.20	UNIT2	MUDSTONE: black fossiliferous, non-calcareous mudstone			
53.80	57.90	4.10	Unit 11?	FELDSPAR PORPHYRY: medium green feldspar porphyry, f.g. groundmass few phenocrysts			
57.90	61.25	3.35	UNIT2	LIMESTONE: pale grey to beige limestone			
61.25	73.70	12.45	DIOR	DIORITE: Unit 10a medium green, fine grained diorite, faulted upper contact			
73.70	78.85	5.15	UNIT 11?	FELDSPAR PORPHYRY: medium green feldspar porphyry, chilled margin of unit 11?, contact 20 deg.			
78.85	171.75	92.90	UNIT 11	UNIT 11: pale green quartz feldspar porphyry			
171.75	179.95	8.20	UNIT 11?	FELDSPAR PORPHYRY: medium green feldspar porphyry, chilled margin of unit 11?, contact 25 deg.			
179.95	181.05	1.10	DIOR	DIORITE: Unit 10a, medium green, fine grained diorite			
181.05	197.20	16.15	UNIT 1	QUARTZITE: pale grey, fine grained equigranular quartzite, minor siltstone			
197.20	205.30	8.10	DIOR	DIORITE: Unit 10a, medium green, fine grained diorite			
205.30	220.70	15.40	UNIT 1	QUARTZITE: pale grey, fine grained equigranular quartzite, minor siltstone, trace py and po			
EOH							

Sample Interval							
From	To	calc.	Sample #	Au ppb	Ag ppm	Cu ppm	Zn ppm
129.85	132.95	3.10	B245345	<5	<0.2	4	26
132.95	136.05	3.10	B245346	<5	<0.2	4	28
136.05	139.15	3.10	B245347	<5	<0.2	5	30
139.15	142.25	3.10	B245348	<5	<0.2	5	28
155.20	158.25	3.05	B245349	<5	<0.2	5	22
158.25	161.30	3.05	B245350	<5	<0.2	5	20
161.30	164.35	3.05	B245351	<5	<0.2	4	21
214.60	217.65	3.05	B245352	<5	<0.2	4	26
217.65	220.70	3.05	B245353	<5	<0.2	4	28

were collected with sample intervals of 1 to 4 metres. Additional sampling of isolated outcrops brings the sample total to 415.

11.1 Mapping 2006

Diatreme Breccia

Raraz (2006) mapped the diatreme breccia and sub-divided the breccia into 5 mappable units. These units are described in section “6.2 Property Geology” of the report. The diatreme breccia is interpreted to follow a zone of structural weakness. The breccia unit was extended by mapping to a total of 1400 metres in a north south direction. At the south end it has a width of 460 metres and narrows to 9 metres, at the north end, in trench T1900. Discontinuous branches of breccia continue to the northeast towards La Ramada skarn. The breccia comprises two to three phases of injection and five breccia varieties. The effects of weathering may mask the contacts of the various breccia units.

11.2 Trenching and Sampling 2006

The 2006 program included detailed mapping, trenching and sampling of three areas and four trenches. These areas are presented from south to north in the following discussion.

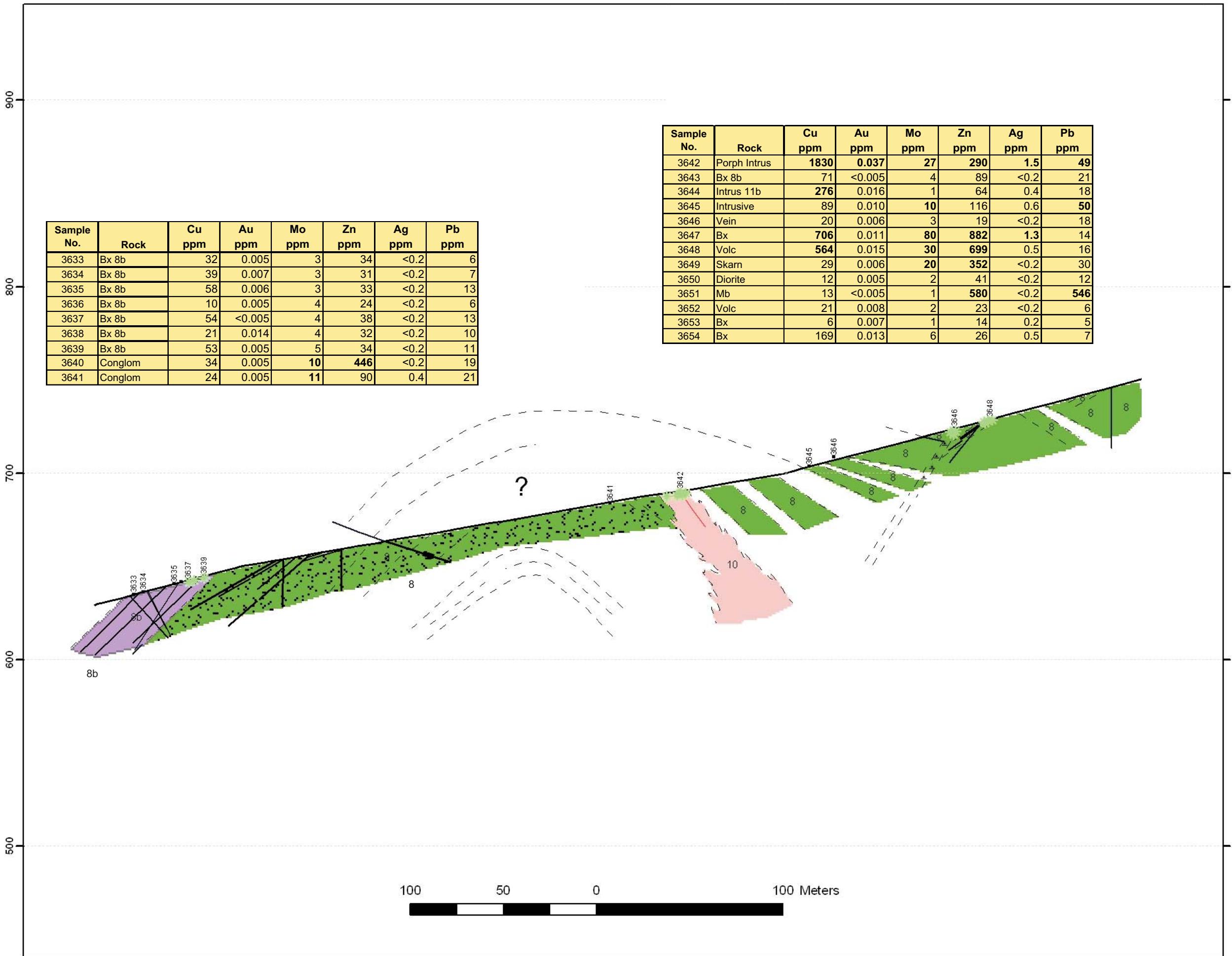
La Papaya Area Fig. 15

The Papaya area is located at the south end of Quebrada Calabozo map area in Quebrada LaPapaya. Chip and channel samples were taken at selected sites from a variety of rock types, including intrusive breccia, porphyritic dykes, quartz diorite and a number of different rock types belonging to the Unit 8 Llama volcanics. Sporadic concentrations of copper, zinc, gold and molybdenum occur in these rocks. The highest copper concentration is 1,830 ppm over 1.8 metres, obtained from a sample of porphyritic intrusive, assigned to unit 10. This sample also returned 37 ppb gold, 290 ppm zinc and 27 ppm molybdenum. Elevated metal concentrations were also detected in six other samples. A cross-section of the interpreted geology of Quebrada La Papaya, looking northeast, is presented on Fig. 15.

A 1500 m long base line was cut on the west side of La Ramada ridge. Four hand trenches were excavated across the diatreme breccia, perpendicular to the baseline. The trenches are labeled, based on the distance north, from the starting point of the base line. The details of these trenches are presented in the following table.

Table 9: Summary of 2006 Trenching

Trench	Slope distance (m)	Number of Samples
T-1100	310	132
T-1400	339.1	135
T-1600	102.5	44
T-1900	29.6	14
Total	781.2	325



Trench T-1100 Fig. 16

Trench T-1100 crosses the diatreme breccia in west-northwesterly direction in the vicinity of geophysical line L 2050S. The trench consists of seven discontinuous excavations over a slope distance of 385 metres. Continuous chip samples were taken of bedrock over intervals from one to four metres. The combined sample distance totaled 310 metres. Intrusive breccia and diatreme breccia are the dominant rock types exposed in the trench. The intrusive breccia, Unit 8b, contains strongly oxidized clasts with halos of secondary copper minerals. Silicification and chloritization associated with disseminated pyrite and pyrrhotite is evident in this trench along reactivated structures. These rocks are intruded by dykes of Unit 11 and 12. Structures and intrusive contacts dip to the west and east. The eastern contact, with a post mineralization fault, dips to the east. The western contact, with the Calabozo stock, also dips easterly.

Geochemically anomalous analyses occur in six areas of the trench. Copper analyses range from 12 to 6,750 ppm, with 15 samples exceeding 1,000 ppm. The anomalous values occur in groups of samples with higher analysis increasing towards the east. Zinc, silver and gold analyses are anomalous to a lesser extent. Zinc analyses range from 21 to 551 ppm, silver from 0.2 to 19.2 ppm and gold from <5 to 879 ppb.

A cross-section and plan, Fig. 16, of this trench is appended to this report.

Trench T-1400 Fig. 17

Trench T-1400 consists of 12 discontinuous hand-trenches excavated across the diatreme breccia zone in two parallel northwest-trending lines. The trenches cover a length of approximately 290 metres. A total of 135 continuous chip samples were taken over 339.1 metres. The greatest range of anomalous values are copper concentrations, which range from 8 to 14,700 ppm. The highest concentration is a 1.4 metre sample of unit 12 diorite. Eight other samples returned greater than 1,000 ppm copper. Zinc concentrations range from 125 to 1,165 ppm, silver concentrations range from 0.2 to 5.5 ppm, and gold ranges from 5 to 1,995 ppb. The highest gold concentration comes from a 2 metre long sample of Unit 11b, quartz-phyric felsite, mapped as a dyke by Raraz (2006). This narrow interval of Unit 11b, may be a fragment in the breccia because of the relative age relationships among Unit 11b, Unit 11, quartz-feldspar porphyry and the diatreme breccia. As described in the Property Geology section, Unit 11 cuts Unit 11b as a dyke and Unit 11, quartz feldspar porphyry, is found as fragments within the diatreme breccia. The highest overall concentrations of copper and gold were obtained from Unit 8e, hornblende diatreme breccia. Most structures and contacts of the breccia with other intrusive varieties, dip towards the east. The diatreme breccia is hosted by intrusive rocks of Unit 11a, 11b porphyries and Unit 12 diorite.

A plan and cross-section of trench 1400 is appended to this report.

Trench T-1600 Fig. 18

Trench T-1600 is located approximately 150 metres south of La Ramada Sur showing. The trench crosses the diatreme breccia over a slope distance of 103.7 metres. Forty-

four continuous chip samples were taken over this interval with individual samples varying from 1.5 to 3 metres in length. Zinc analyses show the widest range from 37 to 3,660 ppm. Copper concentrations are generally low with analyses ranging from 9 to 240 ppm. Gold analyses are generally anomalous in the range from 7 to 246 ppb. Silver concentrations are low in the range of <0.2 to 1.7 ppm. The anomalous metal values occur in the centre of the trench over the transition from diatreme to intrusive breccia. The breccia intrudes the Calabozo stock to the west and calc-silicate altered carbonate of Unit 6b to the east.

Trench T-1900 1900 Fig. 19

Trench 1900 cuts across the northern end of one branch of the diatreme breccia, located about 100 metres north of La Ramada Sur skarn. At this location the diatreme has a width of 9 metres. Fourteen continuous chip samples were collected over a distance of 29.6 metres. Individual sample intervals range from one to three metres. All samples have low metal concentrations. Copper analyses range from 35 to 240, gold range from 6 to 79 ppb and zinc range from 34 to 132 ppb. The higher metal concentrations are associated with Unit 11b, quartz-phyric felsite.

La Ramada Sur Skarn Fig. 20

Additional mapping and sampling were carried out in 2006 in Ramada Sur skarn area. Ten additional channel and chip samples were collected, with sample lengths vary from 2 to 7 metres. Mineralization is controlled by faults and fractures trending at 140 and 115 degrees azimuth. A magnetite-rich copper oxide zone located at sample site 3664 (Fig. 20) occurs at the intersection of these structures. The sample returned 1.10% copper with 3,650 ppb (3.6 g/tonne) Au, 56 ppm (g/tonne) Ag and 3,664 ppm Zn. The remaining samples returned analyses and assays ranging from 10 to 3,230 ppm copper, 6 to 327 ppb gold and 0.01 to 3.15% zinc.

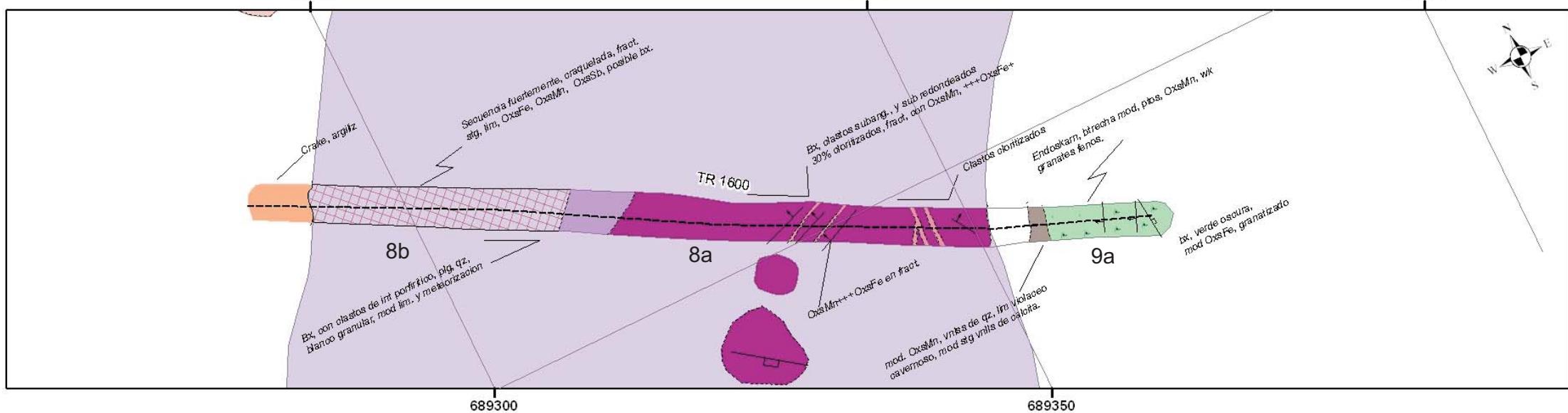
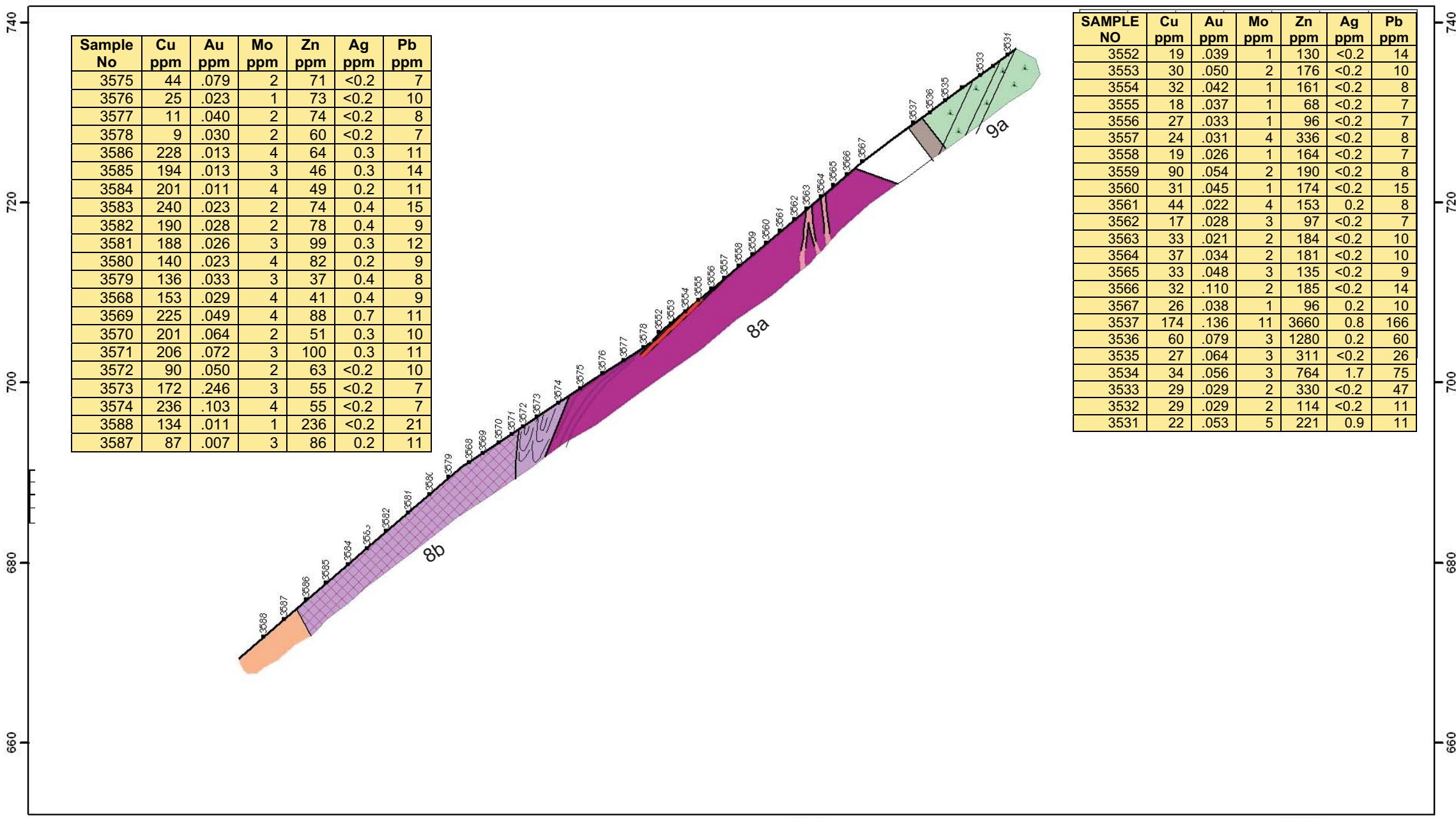
The 2004 sampling is presented on Figure 7 in a previous section of this report.

Calabozo Este Showing

The Calabozo Este showing is largely obscured by large talus fragments. Raraz (2006) mapped outcrops along a 140 m long section of gully which passes through the area. Fracture-controlled calc-silicate alteration in the marble includes pale coloured garnets and wollastonite. Chip samples over 1.5 m to 2 metres range from 103 ppm to 1.84% copper with zinc values ranging from 451 to 5,030 ppm. The Calabozo Este skarn showing lies along the eastern contact of the Calabozo stock and Unit 6b limestone. A large dyke of Unit 11, quartz feldspar porphyry, intruded this contact area in a northwest direction. Unit 11 post-dates mineralization and has had no alteration affect on the intruded rocks.

12.0 SAMPLING METHOD AND APPROACH

Drill core from the various drill sites was collected daily, in sealed core boxes and transported by donkey and local field assistants to a secure storage and logging facility in the village of La Ramada. The core boxes were arranged sequentially on an elevated platform in preparation for logging. Logging preparation included cleaning and



LEGEND

Breccias

8a DIATREME BRECCIA
Dull green, 20% chlorite, 70% clasts
Subangular to 1-2cm

8b INTRUSIVE BRECCIA
Green, clear, cream; 10-30% plagioclase,
2-50% clasts,

Intrusive Rocks

10 Quartz diorite

12 Diorite

Mineralization

▲ 9a Carbonate alteration;
Calcsilicates, Wollastonite

▨ Strong crackle breccia with FeOx

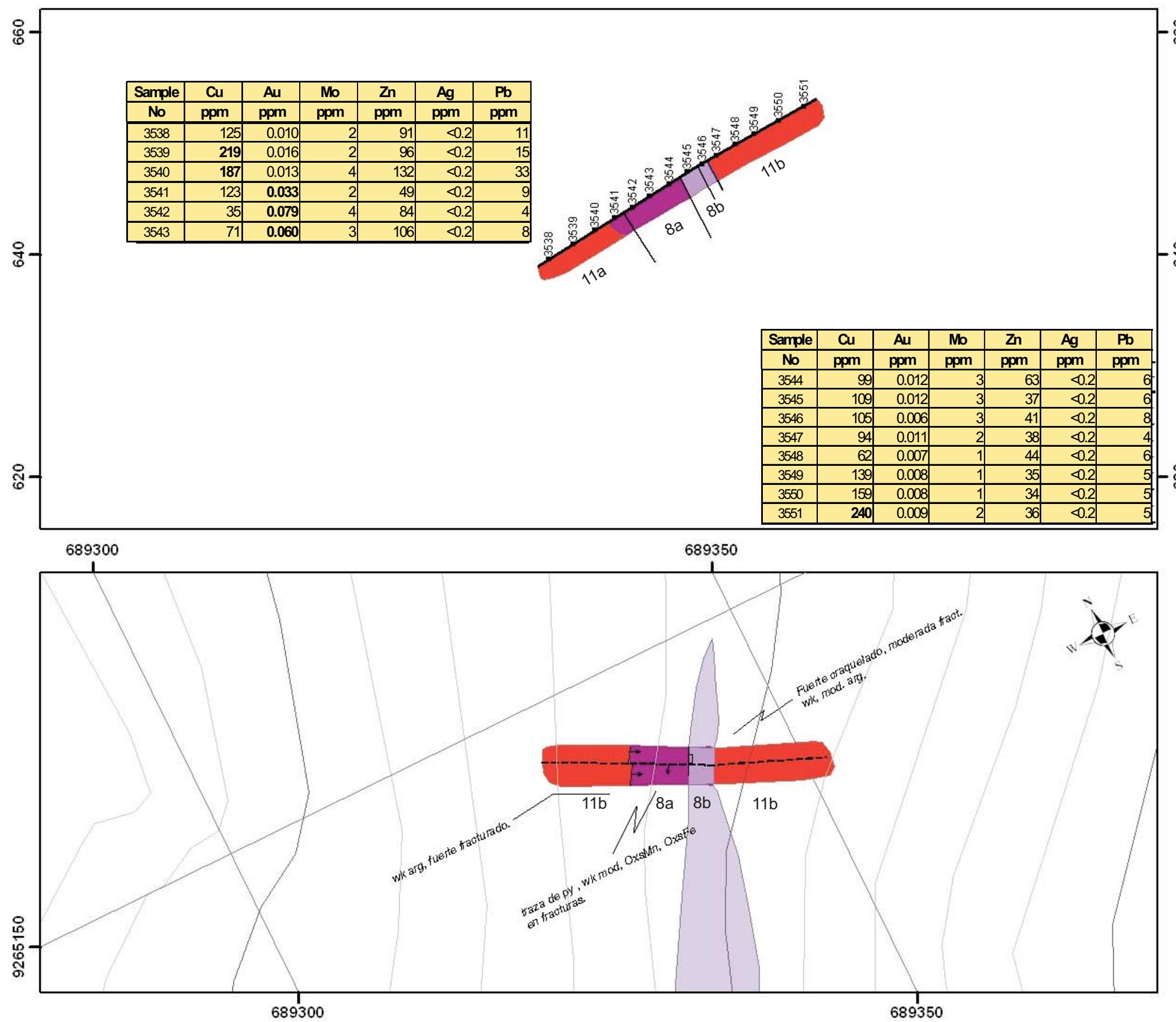
Structures

- Local contact
- Fault
- Fractures
- Veinlets
- Vein

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Geological Section Trench 1600

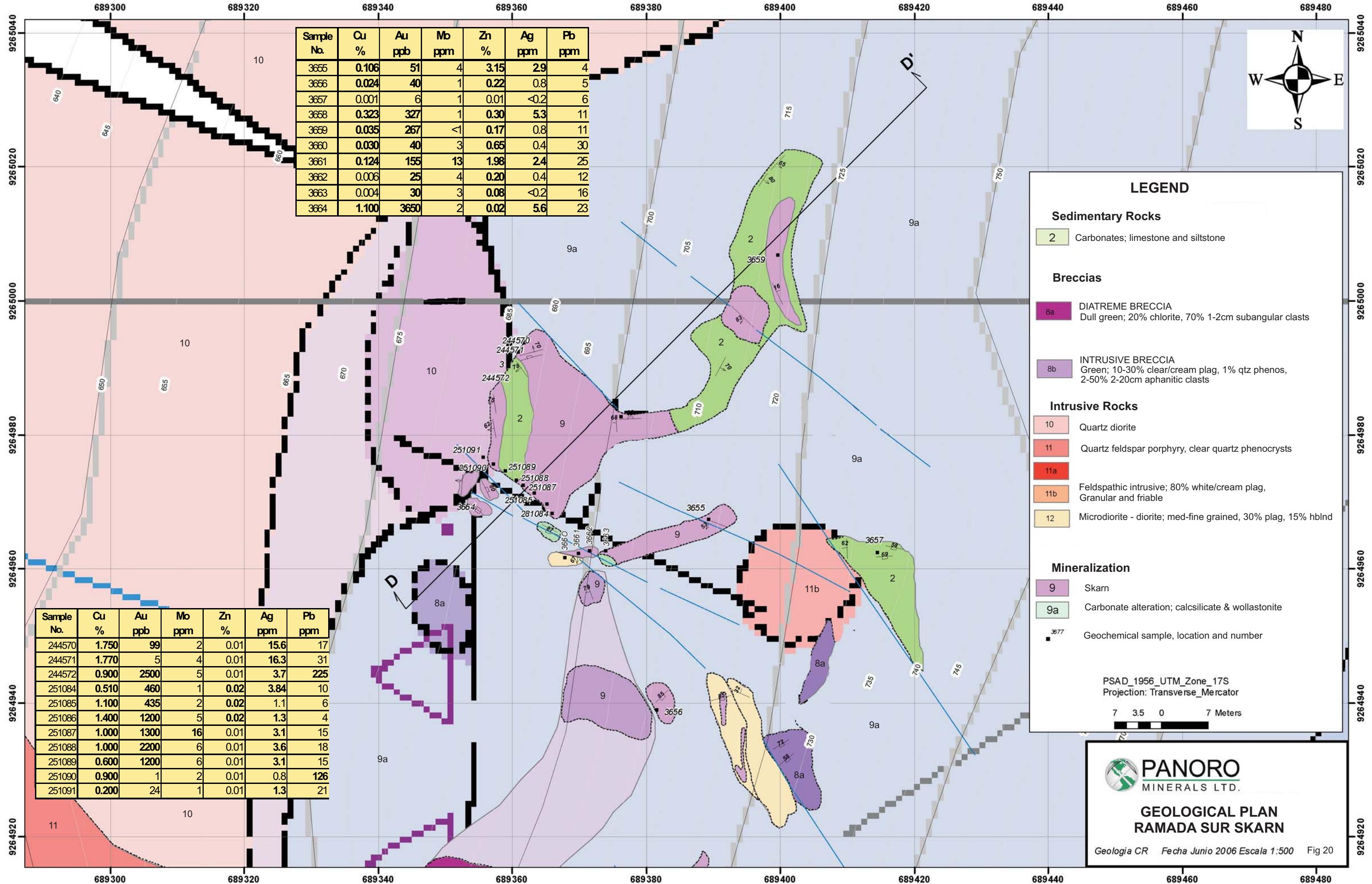
Geologia: CR Fecha: Junio 2006 Escala 1:500 Fig 18



 PANORO
MINERALS LTD.

GEOLOGICAL SECTION TRENCH 1900

Geología: CR Fecha: Junio 2006 Escala 1:500 Fig 19



checking the core for marking and placement errors. Detailed core logs were made of lithology, alteration, mineralization and structural information. Sample intervals were marked and recorded by the author. Assay tags were stapled to core boxes to identify each interval.

Drill core samples were selected on the basis of mineralization. Core was split with a diamond saw, parallel to the steepest fracture or foliation angle to core axis. Core splitting was done by two local field assistants, under the supervision of the author. The core sample intervals in low sulphide areas were generally laid out between marker blocks in the core boxes, which typically represents a distance of 3.04 metres. In mineralized sections the sample interval was determined by visual grade estimates or lithological boundaries. The cut line for the diamond saw was drawn on the core by the author. Both halves of the core were returned to the box before sampling. The diamond core saw was washed and cuttings were removed at the end of each sample interval, to prevent cross contamination. All core samples were selected and bagged by the author. One half of the core was retained in the core box for further reference. Sealed sample bags were packed into rice sacks and stored in a secure storage area in the village of La Ramada and shipped to Lima by bus, on a weekly schedule. Every effort was made to preserve a consistent core direction in the retained core in order to preserve structural information for future reference. Core from the 2004 program and previous drill program is stored in a rented storage yard in the village of La Ramada.

13.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

The core logging and sampling facility was located in a rented storage yard in the village of La Ramada. Split sections of drill core were double bagged in heavy plastic sample bags, packed into rice bags and sealed for shipment. Sample bags were labeled on the outside and waterproof labels were also placed inside the sample bags. No other identification was associated with the drill core. Samples were transported by pickup truck to Chiclayo by the project manager and shipped to Lima by bus. Samples were submitted to the Chemex Lima preparation lab where they were pulverized to -150 mesh. The pulverized samples were then sent by courier to Chemex Labs Ltd. in North Vancouver, British Columbia.

The ALS Chemex quality system complies with the requirements of the international standards ISO 9001:2000 and ISO 17025:2005 and operates in all laboratory sites. Thirty-four elements were determined by ICP (inductively couple plasma) analysis described as “ALS Chemex ME – ICP41 package” and gold was analyzed by fire assay-atomic absorption spectroscopy according to “Method code Au-AA24”. No standards were placed into the sample suite, apart from those inserted internally by the laboratory, to test the accuracy and precision of results.

Only the drilling contractor’s employees, Panoro’s contract geologists and locally employed field assistants had access to the core. No employee, officer, director or associate of Panoro Minerals Ltd. was involved in sampling, the preparation or shipment of samples.

Core recoveries were routinely measured and recorded on recovery and sample logs. In the author's opinion, core recoveries do not affect analytical results.

Assay and analytical data are appended to this report.

14.0 DATA VERIFICATION

Because of the early stage of exploration at the El Rosal property, the company has relied on internal quality controls provided by ALS Chemex Laboratory for analytical quality. Duplicate sample pulps of the same sample were also reanalyzed at regular intervals. At the current stage of exploration, the primary purpose of sampling is to test for the presence or absence of metals. Most of the samples collected, are from new areas. The geochemical analytical techniques chosen for this purpose provide sufficient accuracy at the early exploration stage but do not provide the level of accuracy required at advanced stages of exploration or for ore grade estimation.

Analytical results were compared with field notes and in one case, La Ramada Sur skarn, mineralization was re-sampled to confirm the high copper analyses obtained in this area. It is the author's opinion that none of the 2004 analyses reported misleading results. Results for the 2006 sampling were not checked in the field, but based on previous experience, the results appear to reflect the sampled lithologies.

15.0 INTERPRETATION AND CONCLUSIONS

15.1 Interpretation

Mapping in 2004, resulted in the discovery of a diatreme breccia, the reinterpretation of the Calabozo stock and the reassignment of carbonate units in La Ramada area.

The diatreme breccia zone at La Ramada is an important discovery because these zones are often late intrusive features, associated with porphyry copper deposits. Secondly, mineralized fragments have given an indication of the style of mineralization which may occur at depth. Fragments of mineralization found within the breccia to date, have been high grade and indicate the presence of skarn and porphyry copper styles of mineralization. The copper, zinc, gold and silver mineralization in the breccia is most likely derived from transported fragments within the breccia. The size of these fragments ranges from boulders to fine grained, which makes it difficult to determine the nature of the mineralization with certainty. So far, there is no evidence to suggest that the breccia represents a mineralizing event associated with these elements, although there is evidence of late alteration which is characterized by silicification, accompanied by pyrite and pyrrhotite.

Although most of the Calabozo stock is weathered to a sandy grus at surface. Colour and textural differences among the intrusive phases in this stock are sufficiently preserved to permit their identification. A re-mapping of the Calabozo stock, previously mapped as Unit 11, indicates that it is primarily composed of two phases Unit 10, quartz diorite. Dykes of Unit 11, quartz-feldspar porphyry, cut the dioritic

intrusion of the Calabozo stock. Unit 11, is a post-mineralization intrusion and a minor component of the Calabozo stock, which follows late, vertical structures. This re-interpretation suggests an enhanced potential for finding mineralization in La Ramada area because the quartz diorite is mineralized and closely associated with skarn mineralization.

Carbonates, previously assigned to Unit 5 in La Ramada area, have been reassigned to unit 6b of Rhys(2003), based on his description. This unit is generally steeply westerly, to vertically dipping along the southern end of La Ramada ridge. These steep dips are not reflected in the underlying rocks and may have been caused by a pre-intrusive folding/faulting event or this section of Unit 6b is a pendant within the Unit 10 quartz diorite and was detached from the surrounding rocks during the intrusion event.

Drilling in 2004 intersected mineralization at El Rosal and La Ramada which indicates the presence of mineralization over a larger area and the potential of mineralization at greater depth. Hole ER09-04 ended in mineralized calc-silicate alteration and failed to reach El Rosal stock, suggesting an intrusive contact at greater depth and an expanded area of interest at El Rosal.

At La Ramada hole RA01-04 intersected a high grade zinc-copper skarn fragment and a magnetite copper skarn zone. The skarn fragment is a sample of mineralization from an unknown source below and indicates further mineralization potential along strike and depth.

Zinc and copper mineralization in hole RA03-04 extends the area of interest farther south in La Ramada area and indicates the potential for mineralization at greater depths.

Mapping and Sampling 2006 extended the southern boundary of the diatreme breccia and outlined copper and zinc mineralization, carried by fragments within the breccia. This indicates mineralization sampled by the diatreme from an unknown source.

15.2 Conclusions

Recent work in 2006, and previous drill results in 2004, met the objectives of these exploration programs and have confirmed the potential of the El Rosal property to host significant copper and zinc deposits with large tonnage potential, associated with skarn and porphyry copper style mineralization. Significant gold grades, in La Ramada and La Ramada Sur skarn zones, are also encouraging from a precious metals by-product standpoint.

The magnetite-chalcopyrite skarn encountered in hole RA01-04 is open to depth and along strike. The intersection of a high grade zinc-copper skarn fragment in the adjacent diatreme breccia makes this an intriguing target.

Significant gold concentrations in Unit 11b, quartz-phyric felsite dyke, in Trench T-1400, indicates an under-explored target in La Ramada area. This unit has not been

sampled in the past because it lacks visible signs of mineralization. A reassessment of this unit is required.

16.0 RECOMMENDATIONS

A diamond drilling program, with seven diamond drill holes, totalling 2,600 metres is recommended for the El Rosal property. The cost of this program is estimated at US \$542,500 (Table 11) and includes six holes in La Ramada area and one hole in El Rosal area. The proposed drill holes are plotted on Fig. 8, located in a previous section of the report. The recommended holes are as follows:

Table 10: Summary of Proposed 2007 Diamond Drilling Program						
DDH	East	North	Azimuth	Dip	Depth (m)	Remarks
RA 05-07	689261	9263730	090°	-50°	400	Priority
RA 06-07	689088	9264337	060°	-60°	400	Priority
RA 07-07	688790	9265616	060°	-55°	350	Secondary
RA 08-07	689302	9264848	060°	-50°	350	Priority
RA 09-07	689429	9263559	090°	-55°	400	Secondary
RA 10-07	689609	9265468	-	-90°	350	Priority
ER 10-07	686850	9264520	055°	-60°	350	Priority
TOTAL m					2600	

DDH RA 05-07 (La Papaya Fig.21)

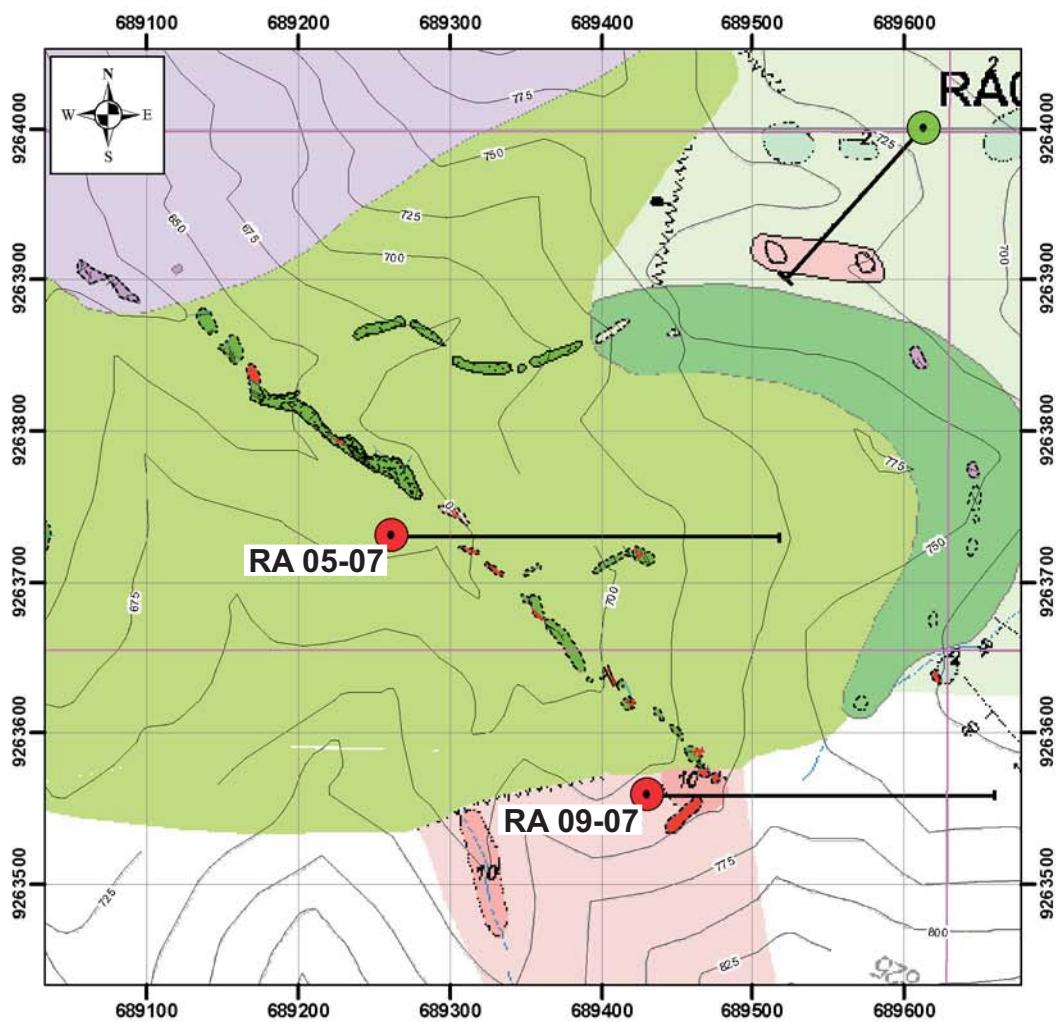
Drill hole RA050-07 is intended to test for mineralization associated with the extension of the Unit 10 intrusion and possible intrusive breccias, below the younger volcanic cover rocks. The hole location is parallel and 70 m north of geophysical line L 12750S. The target may be defined by a high chargeability and low resistivity zone located below the projected contact of the Llama Formation.

DDH RA 06-07 (Calabozo Breccia Fig.22)

This hole is designed to test the diatreme breccia body in an area of surface mineralization and anomalous geochemical response. The eastern breccia contact will also be determined and Unit 6b limestone tested at depth. Previous drilling indicates that Unit 6b, limestone, can occur at a lower level than is indicated by surface exposures and surface mapping suggests that there may be an intrusive contact with Unit 10, quartz diorite at depth.

DDH RA 07-07 (Calabozo Este Fig.23)

This hole will test geophysical anomalies on line L 500S and possible skarn mineralization north of Calabozo Este showing. Geophysical line L 500 S has coincident zones of high chargeability and high resistivity, which may be associated with the Calabozo Este skarn. Stream sediment samples, in the area, from an earlier survey, are anomalous in Cu, and Zn.



LEGEND

Sedimentary Rock

- 8 Llama Volcanics (Tuffs and conglomerates)
- 2 Limestone
- 1 Breccia; inferred

Intrusive Rock

- 10 Intrusive; porph, qtz-plag
- 11a Intrusive; feldspar phric

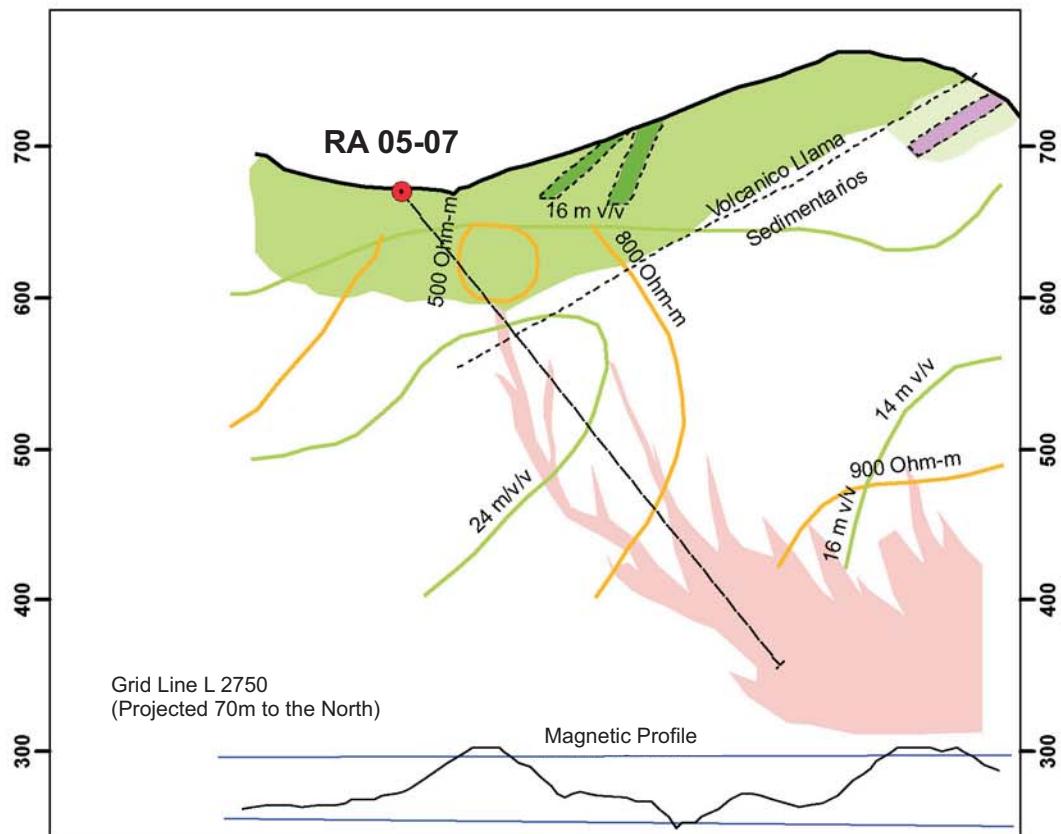
Mineralization

- 9 Skarn
- * Copper Oxides

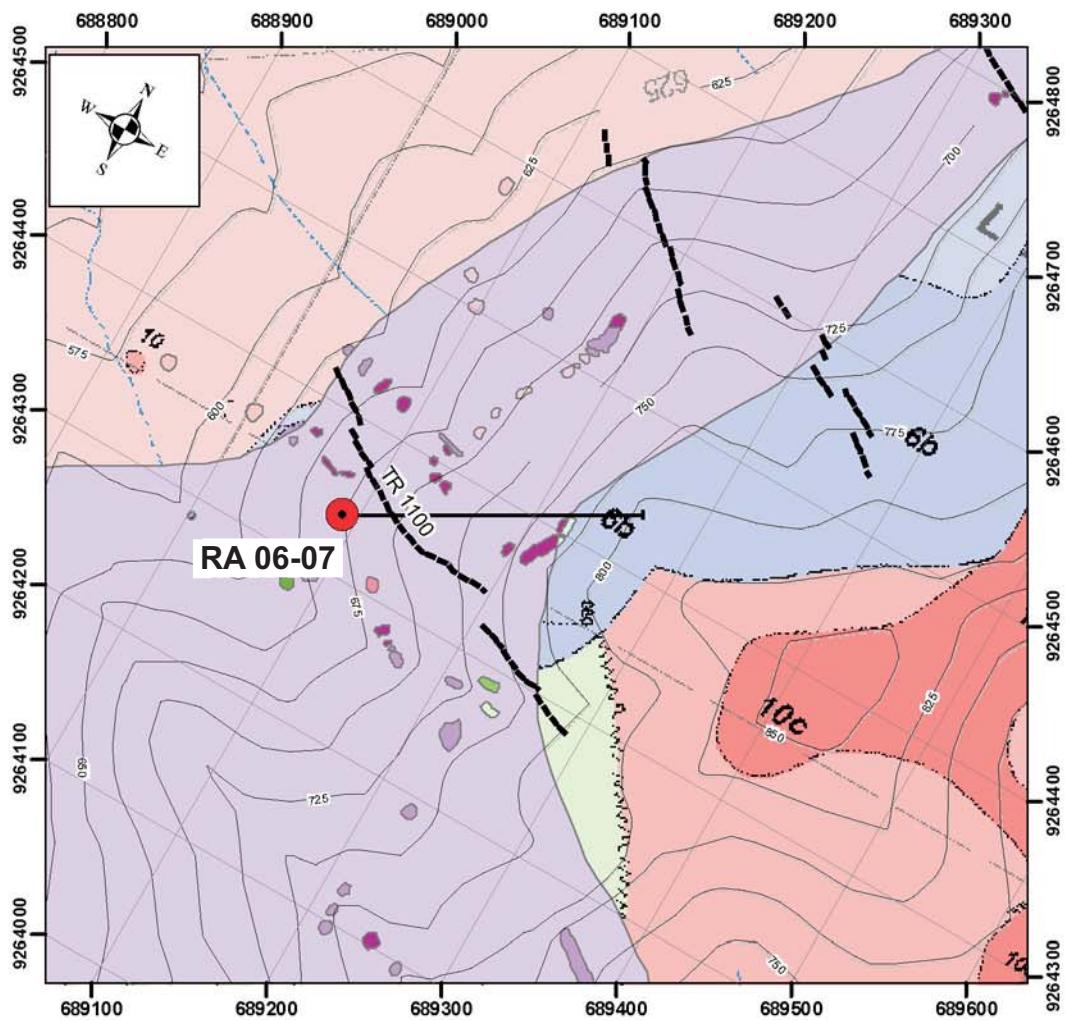
Geophysics

- Resistivity
- Chargeability
- Grid Lines

60 30 0 60 Meters
1:5,000



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Proposed Drill Hole
RA 05-07 Fig 21
Geologia: CR Fecha Junio 2006



LEGEND

Intrusive Rock

- 8a Diatreme Breccia
- 8b Intrusive Breccia

Geophysics

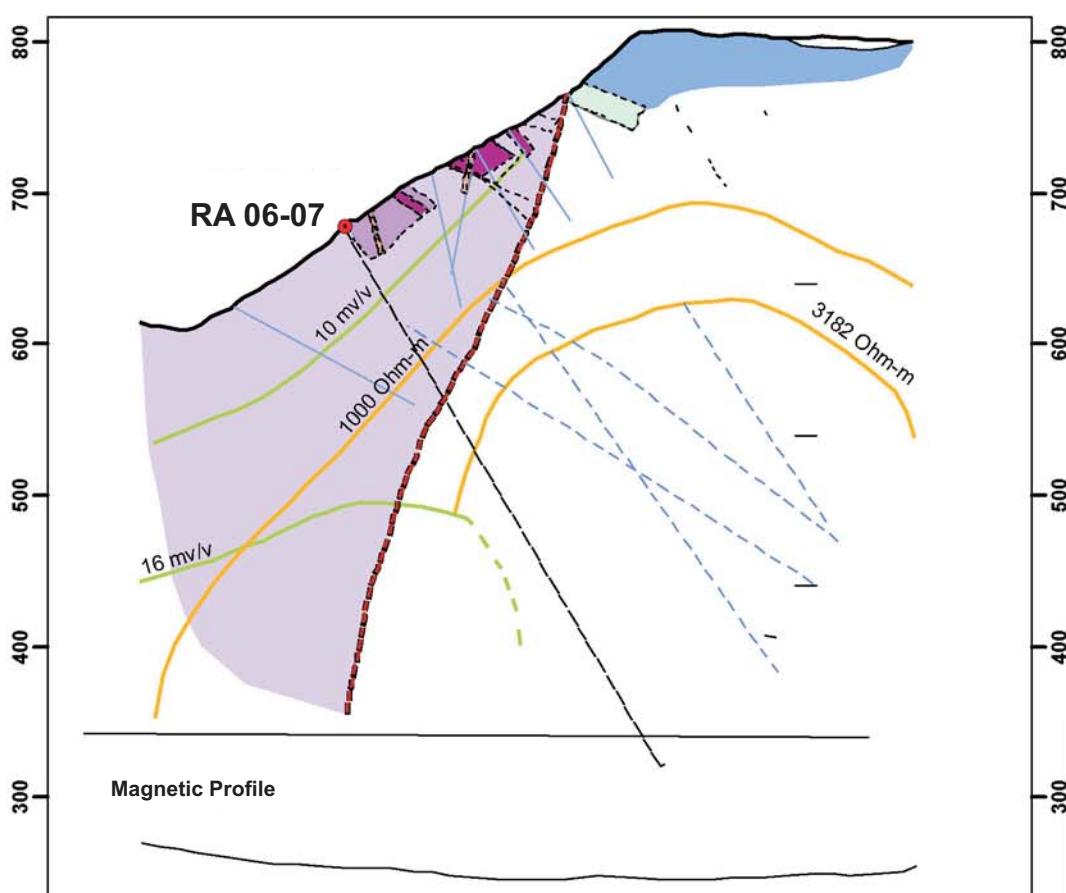
- Resistivity
- Chargeability

Sedimentary Rock

- 9 Limestone
- 6b Limestone; massive, chert nodules

60 30 0 60 Meters

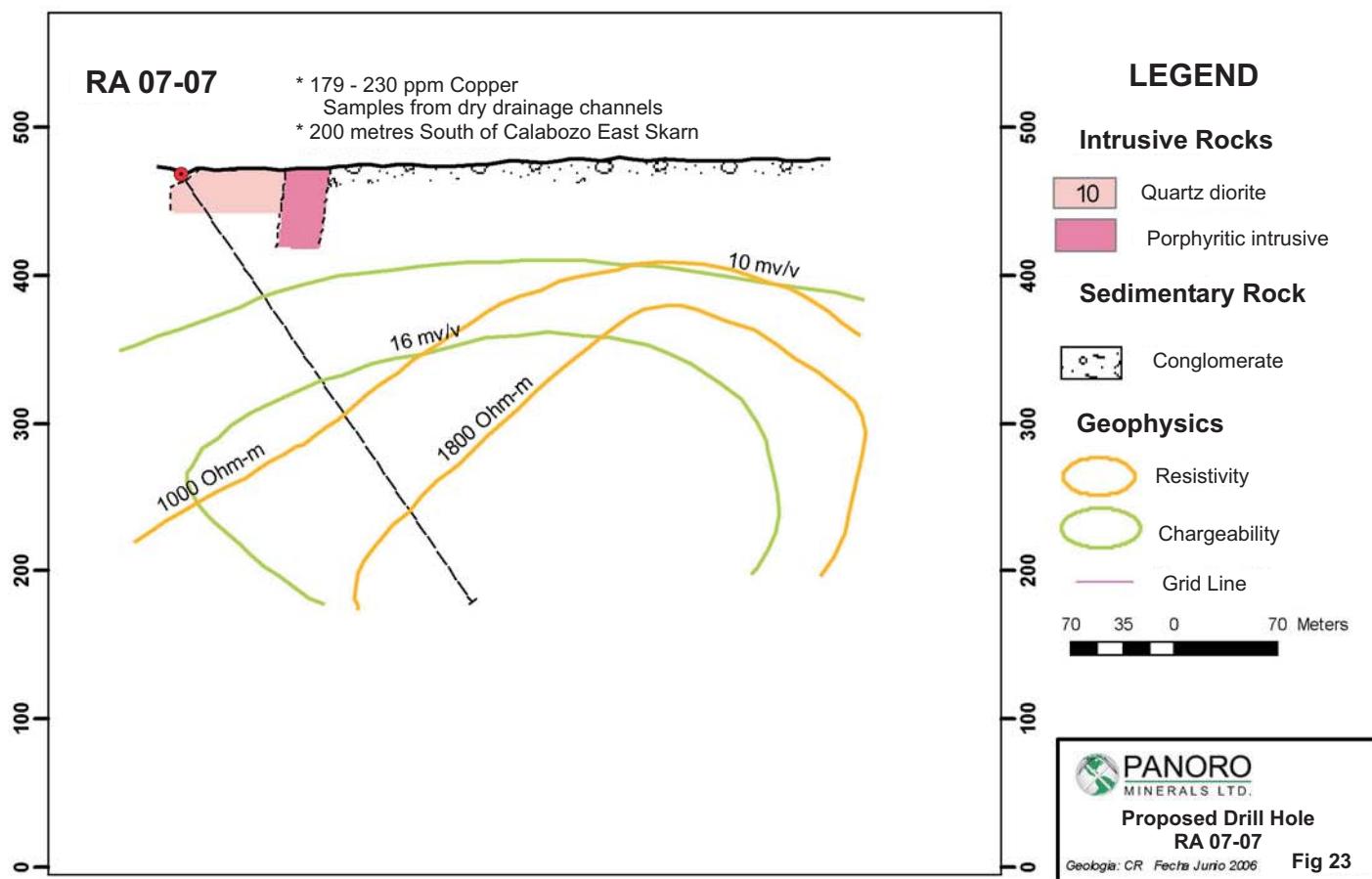
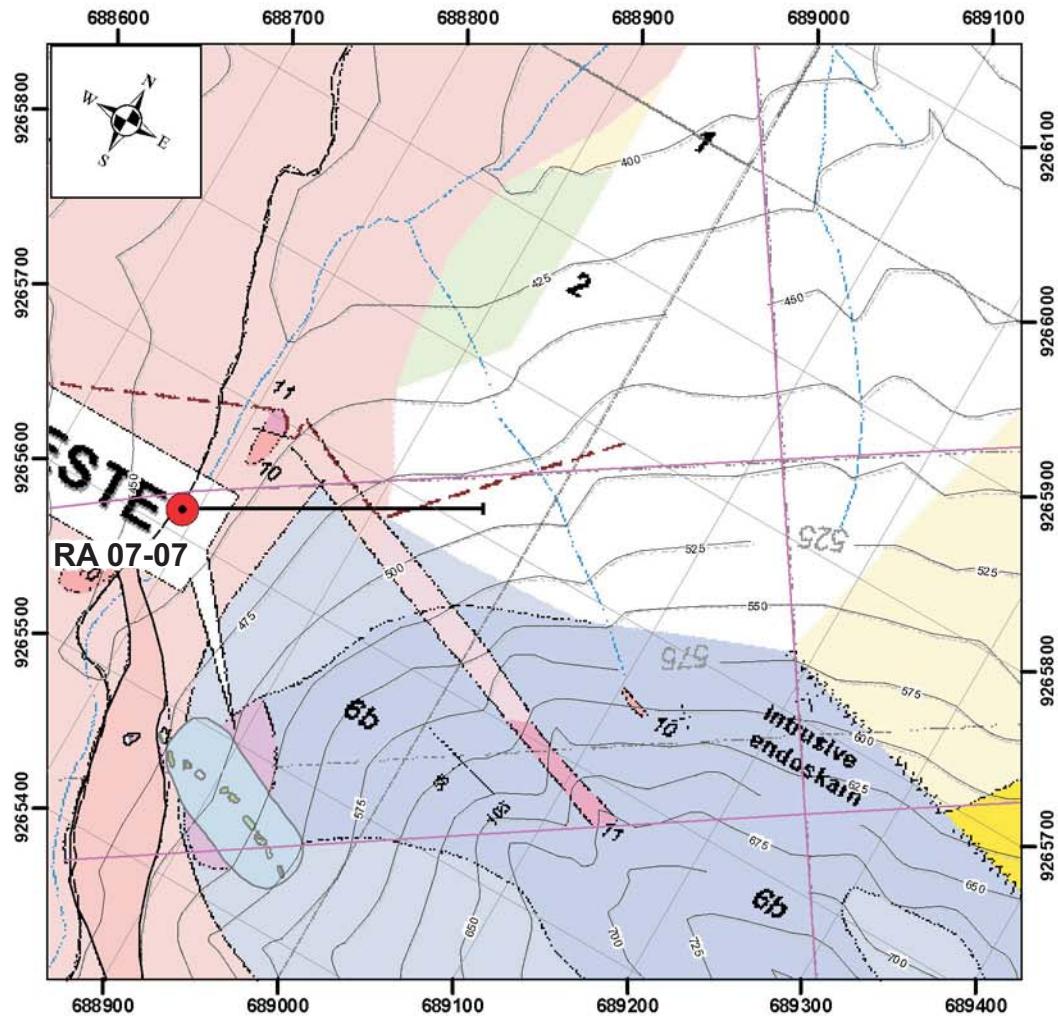
1:5,000



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Proposed Drill Hole
RA 06-07

Geologia: CR Fecha Junio 2006 Fig 22



DDH RA 08-07 (Ramada Sur Fig.24)

This hole is intended to test La Ramada Sur skarn zone at depth. Previous sampling in 2004 and 2006 has identified significant copper and zinc mineralization associated with skarn and calc-silicate alteration. High gold concentrations, in one area of the zone, is interpreted to occur at the intersection of two steeply dipping fracture trends. This hole will also test the geophysical anomalies on line L 1350S.

DDH RA 09-07 (La Papaya Sur Fig.25)

Alternate drill programmed for following the sequence to the east of the drill RA 05-07 and to confirm the existence of a mineralized zone, which would be to the SE where it coincides with a zone of low chargeability and high resistance.

DDH RA 10-07 (Ramada Skarn Fig.26)

This drill hole is intended to test La Ramada showing mineralization at depth. The geophysical signature of the skarn, limestone contact will also be tested. A vertical zone of low resistance and a magnetic peak occur at this contact.

DDH ER 10-07 (El Rosal - no section)

This hole is designed to further test mineralization encountered in DDH ER09-04, which intersected 2.35 metres of 2.69% zinc and four additional intervals, totaling 10.6 metres, with zinc concentrations from 1,555 to 5,000 ppm. The hole ended in skarn and calc-silicate alteration.

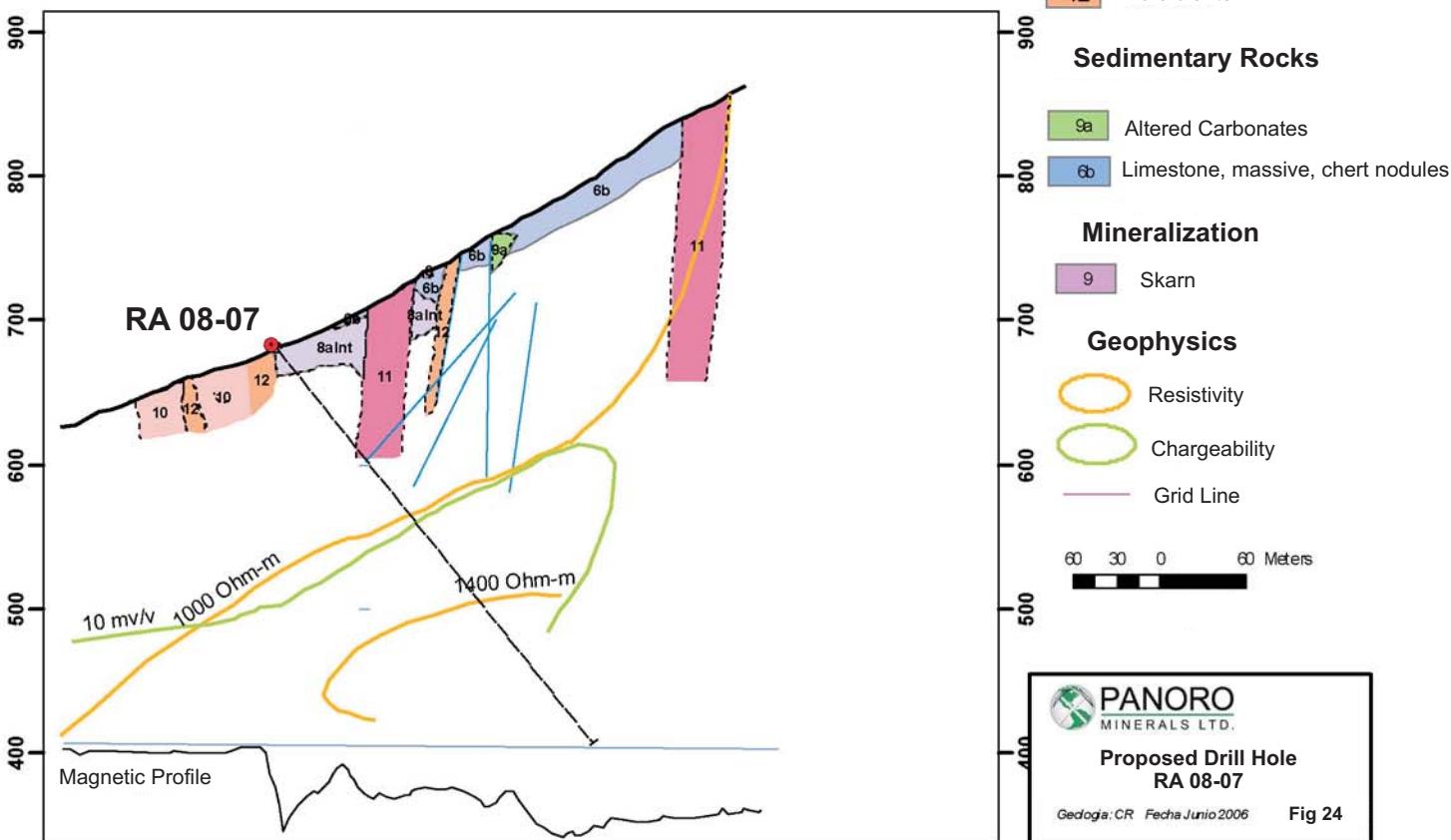
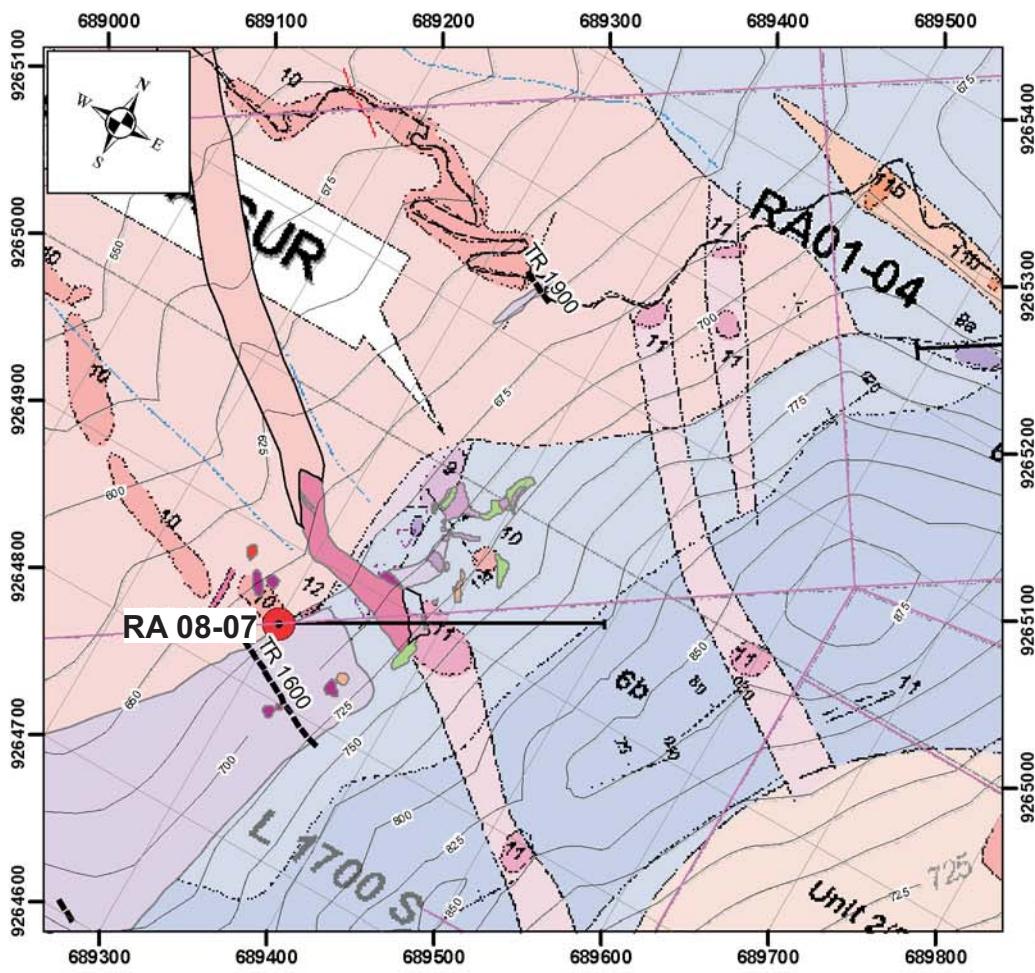
A two metre wide sample of Unit 11b, quartz-phyric felsite dyke, in Trench T-1400 returned 1,995 ppb gold. This unit is under-explored elsewhere in La Ramada area and has not been sampled in the past because it lacks visible signs of mineralization. A reassessment of this unit, by additional mapping and sampling, is recommended.

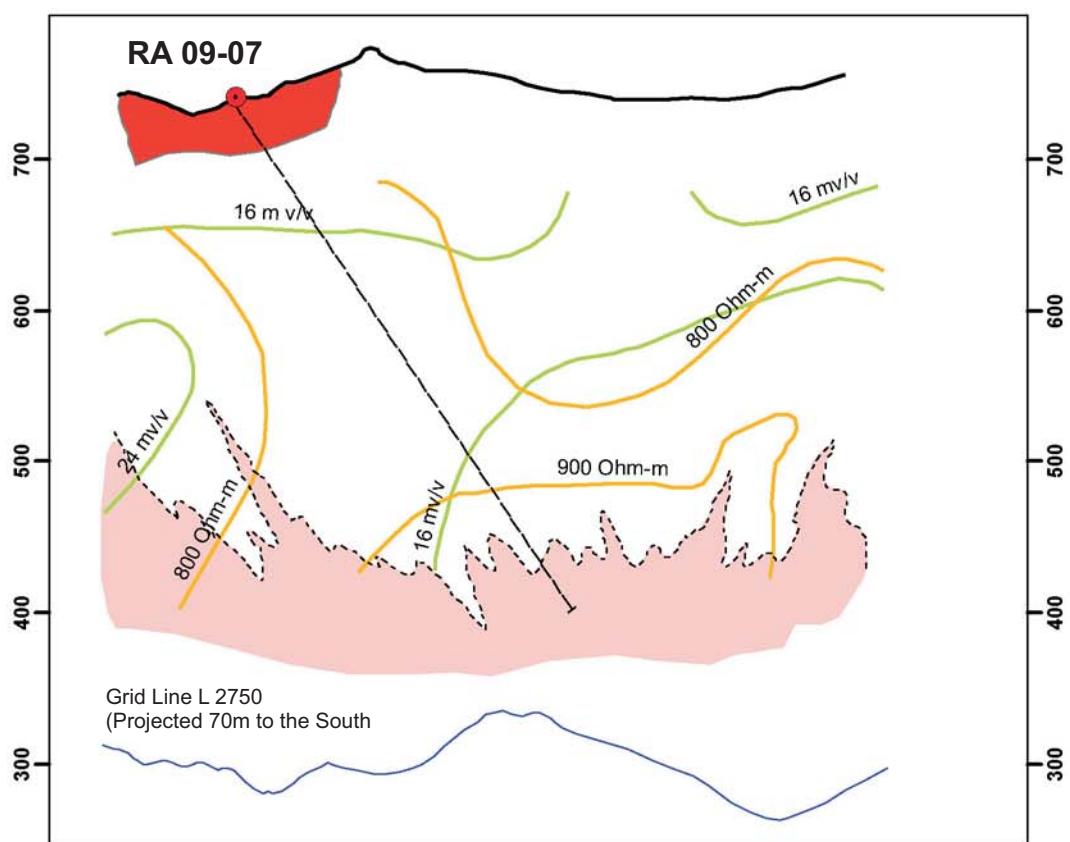
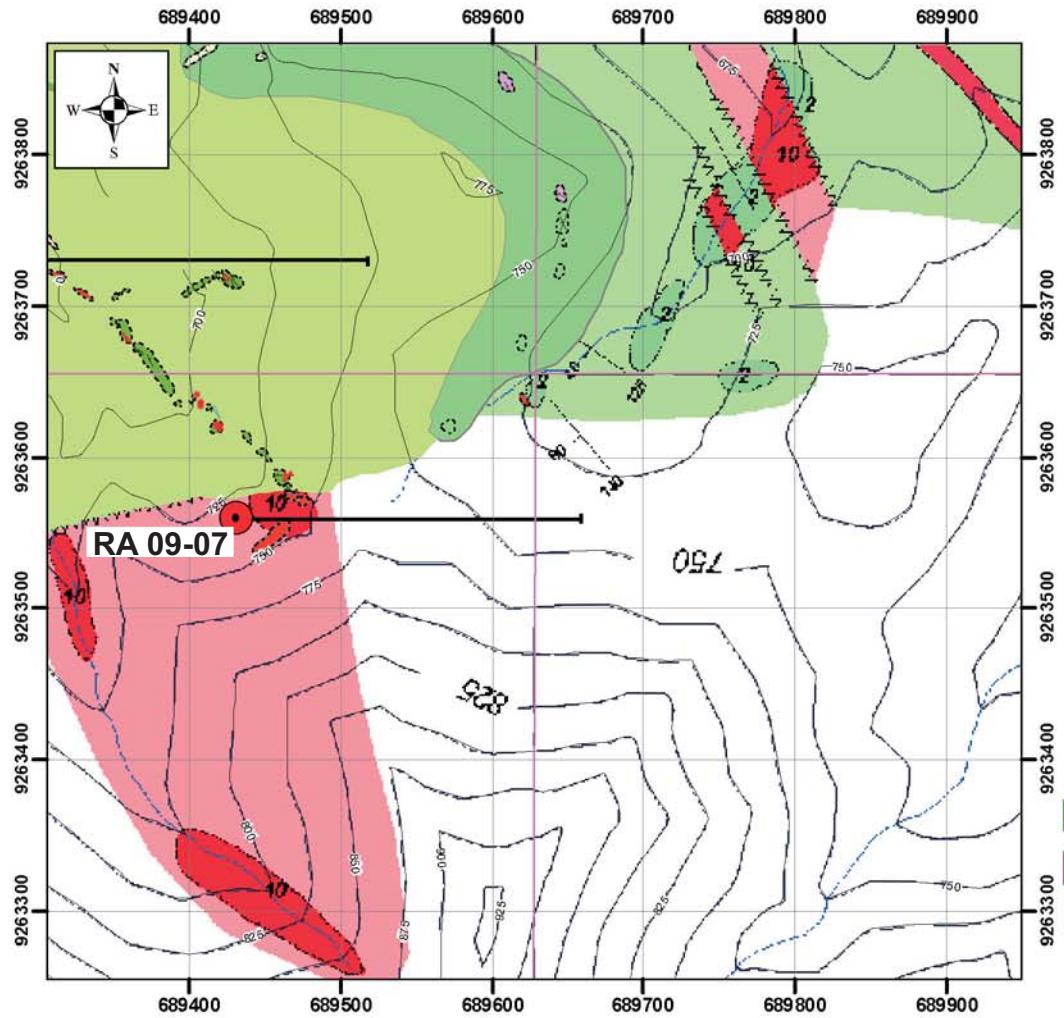
Respectfully submitted,

signed by and sealed

"Uwe Schmidt"

Uwe Schmidt, B.Sc., P. Geo.
Consulting Geologist,
December 30, 2006





PANORO MINERALS LTD.
Proposed Drill Hole
RA 09-07
Geologia: CR Fecha Junio 2006
Fig 25

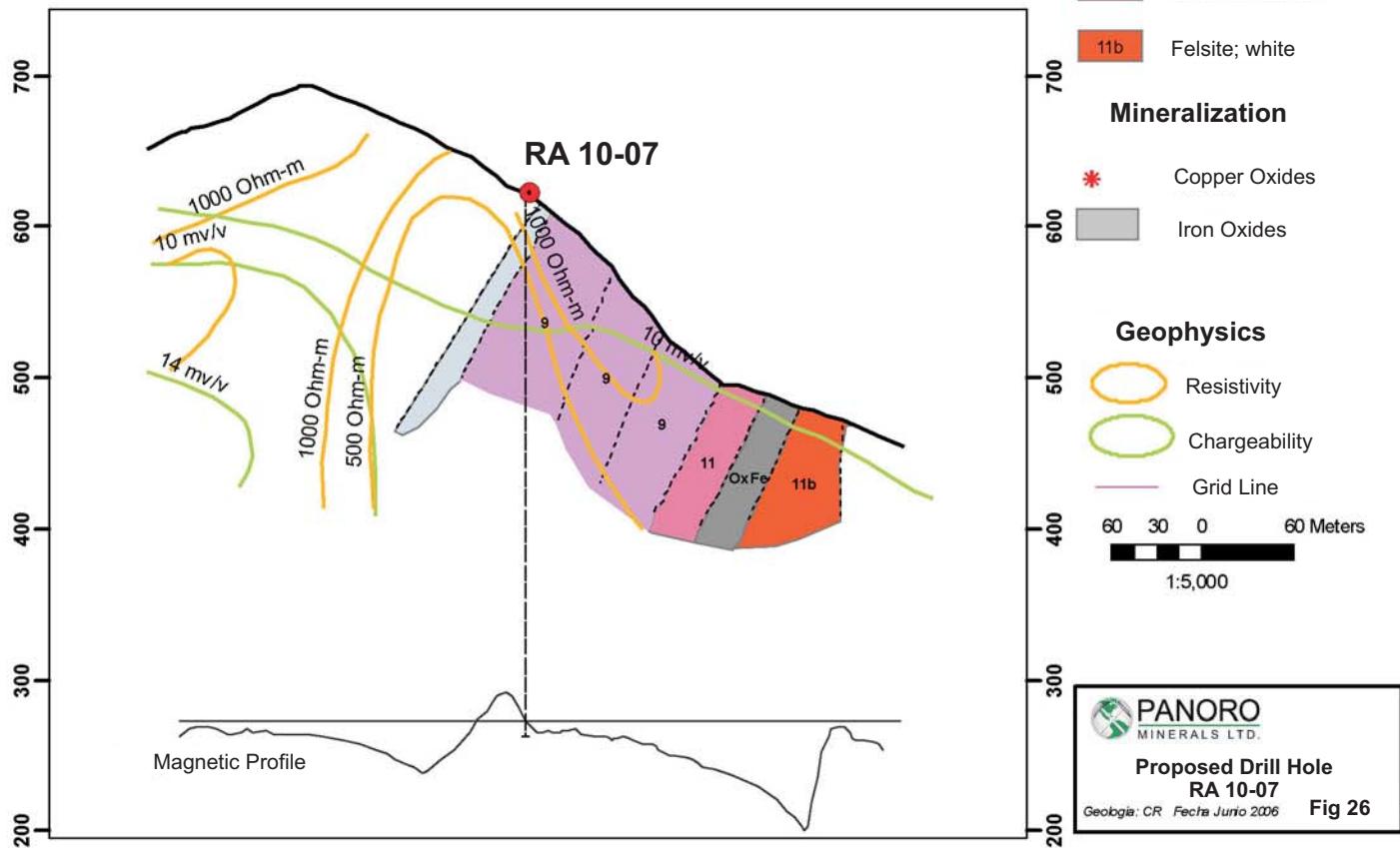
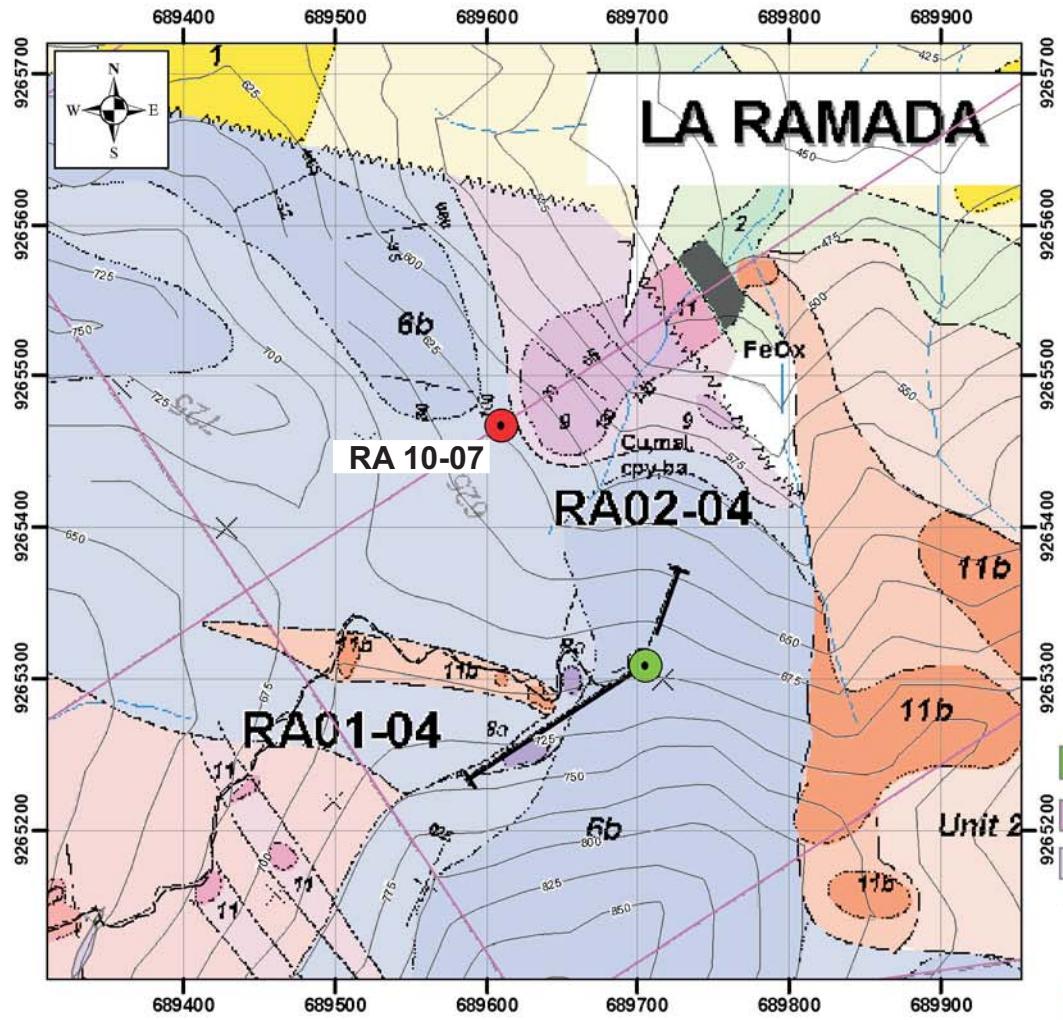


Table: 11 Proposed Budget for 2007 Drill Program

	US \$
1) Travel & Accommodation	
Airfare	\$2,800.00
Lima to La Ramada	\$1,000.00
Hotel and Meals	\$1,000.00
Wages during Travel	\$4,600.00
2) Field Labour	
Project Geologist (QP)	\$40,500.00
Peruvian Geologist	\$20,250.00
Field Accountant	\$4,050.00
Field Labour	\$26,000.00
3) Room and Board (La Ramada)	\$7,000.00
4) Equipment Rental	
Core saw	\$800.00
4x4 truck	\$5,000.00
5) Fuel	\$500.00
6) Supplies and Consumables	
Sampling Supplies	\$500.00
Diamond blades	\$1,500.00
7) Communications	\$300.00
8) Freight	
Sample Shipment	\$4,500.00
9) Trail and Drill Pad Construction	
Trail Construction crew	\$8,400.00
10) Diamond Drilling	
Drill Mobe/Demobe	\$9,000.00
Drilling Contractor-drilling cost (2,600m)	\$241,800.00
Drill Moves	\$28,000.00
Consumable Supplies and Contract Charges	\$25,000.00
11) Assay	
Core Assay	\$22,500.00
12) Permitting and Community Relations	\$25,000.00
13) Reports, Drafting and Reproduction	
Report writing	\$10,000.00
Drafting and Reproduction	\$2,500.00
Contingency	\$50,000.00
US Dollars Total	\$542,500.00

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18.0 CERTIFICATE OF THE AUTHOR

I, Uwe Schmidt, residing at 656 Foresthill Place, Port Moody, BC., hereby declare that:

1. I am a Consulting Geologist and owner of Northwest Geological Consulting Ltd.
2. I am a graduate of the University of British Columbia in 1971 with a Bachelor of Science degree in Geology.
3. I have practiced my profession continuously since graduation.
4. I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (License #19823).
5. I am a Fellow of the Geological Association of Canada.
6. I am the author of this report and have based this report on a review of, both public and private, information covering the exploration history of the El Rosal property and my personal involvement in the 2004 exploration program from January 3 to May 6, 2004. I am responsible for sections of the report which deal with exploration carried out in 2004. Material quoted from previous authors is clearly identified by italic text.
7. I own 30,000 common shares of Panoro Minerals Ltd., which I acquired in the public market in January 2005, and April 2006. At the time of my employment by Panoro, from January 3 to May 6, 2004, I was a contract geologist and was not required to act as an independent Qualified Person for this project.
8. I have read National Instrument 43-101, Form 43-101F1 and this report has been prepared in compliance with NI 43-101.
9. To the best of my knowledge, at the time of writing, this report contains all current technical information on the property and that there are no omissions which would make this report misleading.

Dated at Port Moody, British Columbia, December 30, 2006

signed by and sealed

"Uwe Schmidt"

Uwe Schmidt, B.Sc., P.Geo.

Appendix I 2004 Diamond Drill Logs

Panoro (Peru) S.A.C.-El Rosal Project, DDH Log

Page 1 of 8

DDH No.: ER08-04		Logged by: US		Rock Codes						Structure codes						
Date started: 13 Jan. 04		Date finished: 25 Jan. 04														
Northing 9,265,040		Azimuth N/A		DIOR	Diorite	LSTT	Tuff/Limest. Unit 4									
Easting 688,070		Collar		-90 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5						FLT Fault		
Collar Elev.: 668 m		m		BWOL	Wollast/Kspar	LST	Limestone, Unit 5							VN Vein		
Total Depth: 270 m		m		WOL	Massive wollast	SLST	Siltstone, unit 6a							S0 Bedding		
Casing	4.15m	m		WG	Mot gar wol	QE	Quartz epidote							CT Contact		
HQ - NQ Reduction 70.95 m		m		GB	Ban gr br garnet	BP	Brown Pyroxene							JNT Joint		
		m		GG	Mas gr garnet	OB	Overburden									
		m		CL	Chlorite	SB	Secondary Biotite	Mineralization								
INTERVAL		Interval	P	ROCK CODE	DESCRIPTION						From	To	Type	CA	CuO FeO	py cpy sph mo po
From	To	m	S													
1.50	4.60	3.10		OB	Sand											
	4.60	5.05	0.45	OB	boulder, bedrock at 5.05 m											
5.05	20.27	15.22		SLST	UNIT 6a SILTSTONE pale olive green to grey, very fine grained, non-calcareous siltstone broken core, oxidized on fracture surfaces, 5-10mm from fracture						5.05	20.27			10	
8.20	14.95	6.75			pale beige to grey-green, very fine grained, non-calcareous siltstone, broken core, .5-1 mm calcite filled fractures with Fe oxide selvages, 20-30deg, approx 20/m						8.10	8.20	clay/fault?	?		
													10.2	So	60	
14.95	15.05	0.10			SLST, bleached, cut by calcite veins with quartz? Selvages, harder than typical SLST								11.90	fracture	20-30	
													13.45	gouge	?	
17.50	20.27	2.77			highly broken core								17.50	JNT	20.25	
													17.50	JNT	55	
20.27	20.83	0.56		WG	MOTTLED GARNET WOLLASTONITE SKARN pale grey to brown mottled, calc-silicate altered SLST ?, hard, cut by .5-1mm calcite veins, pale green retrograde? Alteration along hairline fractures this interval is a possible selvage to an epidote skarn vein											
20.83	24.05	3.22		QE	EPIDOTE QUARTZ SKARN strongly calcareous, minor Mn & Fe stain											
24.05	25.00	0.95		WG	MOTTLED GARNET WOLLASTONITE SKARN pale grey-green to brown mottled, calc-silicate altered SLST ?, hard, cut by .5-1mm calcite veins, pale green retrograde? Hard, strongly calcareous, this interval is a possible selvage to an epidote skarn vein, highly broken 21.8-24.5											
25.00	28.05	3.05		SLST	UNIT 6a SILTSTONE pale to medium brown, oxidized siltstone, med. brown Fe oxides associated with hairline fractures, highly broken core, non-calcareous						27.00		So	70		
													28.05			
					contact? ground core											

Panoro (Peru) S.A.C.-EI Rosal Project, DDH Log

Page 2 of 8

DDH No.:		ER08-04		Logged by:		US		Rock Codes		Structure codes				
Date started:	13 Jan. 04	Date finished:	25 Jan. 04 <th>Azimuth</th> <td>N/A</td> <th>Dip</th> <td>Collar</td> <th>-90 deg.</th> <td>DIOR</td> <td>Diorite</td> <td>LSTT</td> <td>Tuff/Limest. Unit 4</td> <td></td>	Azimuth	N/A	Dip	Collar	-90 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4		
Nothing	9,265,040								GRAN	Granite	LSTC	Cherty Limestone, Unit 5	FLT Fault	
Easting	688,070								BWOL	Wollast/Kspar	LST	Limestone, Unit 5	VN Vein	
Collar Elev.:	668 m								WOL	Massive wollast	SLST	Siltstone, unit 6a	S0 Bedding	
Total Depth:	270 m								WG	Mot gar wol	QE	Quartz epidote	CT Contact	
Casing	4.15m	in/out							GB	Ban gr br garnet	BP	Brown Pyroxene	JNT Joint	
HQ - NQ Reduction	70.95 m								GG	Mas gr garnet	OB	Overburden		
									CL	Chlorite	SB	Secondary Biotite	Mineralization	
INTERVAL		Interval	P	ROCK	CODE	DESCRIPTION				From	To	Type	CA	CuO FeO py cpy sph mo po
From	To	m	S											
28.05	31.15	3.10		GG		SKARN				28.10		JNT	40,65	
						med. green & brown, mottled and banded garnet, epidote, pyroxene? skarn								
						green garnet, brown garnet, epidote, pyroxene? , moderately calcareous to 29.75								
						non-calcareous from 29.75								
						Fe oxides associated with hairline fractures								
31.15	33.75	2.60		GB/SLST		SKARN / HORNFELS				31.50		banding	70	
						pale grey-green, thinly laminated, non-calcareous, calc-silicate? hornfels with				32.6		JNT	20	
						interbanded, mottled green and brown skarn sections				33.20		silt/clay		
						some skarn sections are moderately calcareous, calcareous sections:32.5-32.65				33.40		banding	70	
33.75	37.10	3.35		WG		SKARN / CLAC-SILICATE HORNFELS				33.40		JNT	5	
						calcareous, pale green and brown, mottled skarn, very fine grained diss. py				33.40		VN .5mm	35	
						dark brown fine grained mineral aggregates in white groundmass (wollastonite?)								
						core cut by very narrow fractures with pale green and olive green selvages at 1 to 2 cm								
						spacing								
						weakly to moderately calcareous to 36.50,								
33.75	37.10	3.35				<-very hard silicified section, trace vfg py in fractures and disseminations				33.75	37.10		<1	
						broken core, <7cm fragments				34.80	37.10			
						"-----contact? broken core-----"								
37.10	41.80	4.70		DIOR		DIORITE				37.10			10	
						Highly fractured and broken weathered core, red-brown Fe oxide stained with clay seams				40.00		JNT	45,60	
						medium grained, equigranular, diorite fragments <7CM				40.30	40.60	FLT	?	
						"-----contact? ground core-----"								
41.80	51.50	9.70		GB/SLST		SKARN / CALC-SILICATE HORNFELS				42.35		So	70	<.5
						green and brown mottled and weakly banded garnet, pyroxene, actinolite? skarn				42.35		VN	65	<.5
						interbanded with very fine grained, thinly laminated, pale grey to grey-green				42.35		VN	45	CL GYP
						very hard hornfels; trace vfg py,po,cpy disseminated parallel to laminations				42.25	42.85	VN	18/m	<.5
						trace py, po, cpy in fractures with Albite? selvages				42.75	43.20	FRCT	5	TR <.5
41.80	42.25	0.45				weakly calcareous skarn				43.30		JNT	35	CA
42.25	43.30	1.05				non-calcareous hornfels, calcite veins				43.40			25	Ep Mn
														Ca Ep

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DDH No.: ER08-04		Logged by: US		Rock Codes					Structure codes						
Date started: 13 Jan. 04		Date finished: 25 Jan. 04													
Northing	9,265,040	Azimuth	N/A	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4								
Easting	688,070	Dip	Collar	-90 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5					FLT Fault		
Collar Elev.:	668 m		m	BWOL	Wollast/Kspar	LST	Limestone, Unit 5						VN Vein		
Total Depth:	270 m		m	WOL	Massive wollast	SLST	Siltstone, unit 6a						S0 Bedding		
Casing	4.15m in/out		m	WG	Mot gar wol	QE	Quartz epidote						CT Contact		
HQ - NQ Reduction	70.95 m		m	GB	Ban gr br garnet	BP	Brown Pyroxene								
				GG	Mas gr garnet	OB	Overburden								
				CL	Chlorite	SB	Secondary Biotite								
INTERVAL		Interval	P	ROCK	DESCRIPTION					Mineralization					
From	To	m	S	CODE						From	To	Type	CA	CuO FeO	py cpy sph mo po
				GB/SLST	SKARN /CALC-SILICATE HORNFELS continued					43.75	44.55	FRCT	20/m		TR
	43.90				narrow band of garnet-actinolite skarn, (blue-green fibrous xls)					43.75	44.55	FRCT	35.20		TR
46.30	49.90	3.60			Med. green and pale brown to red-brown, mottled to weakly banded pyroxene-epidote-garnet skarn					46.30	49.90				TR
48.80	49.10	0.30			minor pale green and brown thinly laminated calc-silicate hornfels interval					48.70		FRCT	15		Ca
49.10	49.90	0.80			skarn interval as above					48.80	49.10	diss/FRCT			TR
49.90	50.60	0.70			minor hornfels interval as above					49.10	49.90	diss/FRCT			TR
50.60	51.00	0.40			sill or dyke of pale grey-green porphyry, with Hbl ? phenocrysts altered to chlorite										
51.00	51.50	0.50			calc-silicate hornfels as above										
51.50	270.00	218.50		DIOR	UNIT 10 DIORITE										
51.25	70.05	18.80			medium grey to grey-green fine grained equigranular diorite (75%) cut by anastomosing intervals of medium grained equigranular, hornblende diorite (25%) chloritized hbl, 1-5 mm, 2 mm average, (25%), white cloudy feldspar phenocrysts, 2-4mm (25%), pale grey-green groundmass 50%										
					trace py, rare magnetite, minor calcite along fractures										
					small xenoliths of dark grey fine grained diorite in med. grained lighter coloured varieties										
					1mm wide py filled fractures, with 2mm darker green selvages, tr magnetite										
					1mm wide py filled fractures, with 2mm darker green selvages, tr magnetite					62.30	VN	30	<1		
					selective mafic replacement by epidote->					63.90	64.90	10 VN	20-35	1	
										65.50	JNT	35.60			
										65.60	JNT	65			
										66.70					EP

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DDH No.: ER08-04		Logged by: US		Rock Codes					Structure codes											
Date started:	13 Jan. 04	Date finished:	25 Jan. 04 <th></th>																	
Northing	9,265,040	Azimuth	N/A	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4													
Easting	688,070	Dip	Collar	-90 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5					FLT Fault							
Collar Elev.:	668 m		m	BWOL	Wollast/Kspar	LST	Limestone, Unit 5						VN Vein							
Total Depth:	270 m		m	WOL	Massive wollast	SLST	Siltstone, unit 6a						S0 Bedding							
Casing	4.15m in/out		m	WG	Mot gar wol	QE	Quartz epidote						CT Contact							
HQ - NQ Reduction	70.95 m		m	GB	Ban gr br garnet	BP	Brown Pyroxene													
				GG	Mas gr garnet	OB	Overburden													
				CL	Chlorite	SB	Secondary Biotite						Mineralization							
INTERVAL	Interval	P	ROCK	DESCRIPTION					From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	
From	To	m	S	CODE																
				DIOR	Unit 10 continued weak chloritic alteration in darker fine grained sections, weak selective epidote alteration along fractures py in fractures increased over the interval, 1-4 mm py in fractures, red-brown oxidation along veins dark xenoliths in this interval have coarser phenocrysts of feldspar than typical dark v.f.g. diorite					67.90	69.00	VN	35			1				
70.05	72.12	2.07			py in fractures increased over the interval, Fe oxide trace of very fine grained moly along hairline fractures py and brown Fe oxides occur in irregular veinlets and blebby disseminations near fractures, mostly 20-30degrees to core axis fine grained diorite is softer and paler colour than usual					70.25	VN	50								
72.15	75.85	3.70			fine to med. grained Hbl diorite, med. grey-green to grey, variably chloritized, fresh black hornblende in sections, 5-10% weak pervasive chlorite epidote alteration weak pervasive selective biotite alteration 1-5%, diss. py .5-1%, higher concentrations in veined sections trace calcite					70.15	70.95			5to10		TR				
75.85	82.70	6.85			more lighter coloured sections 1-2 mm phenocrysts of Hbl and cloudy felspars, med. grained equigranular with xenoliths of grey Hbl diorite , selective pervasive chlorite-epidote alteration of mafics 1-2 % 80% leucocratic med. grained Hbl diorite, 20% med. grey-green xenoliths of fine grained Hbl diorite, weak secondary biotite in xenoliths					71.75	72.30	FRCT/VN	5to10	ox						
82.70	83.90	1.20			darker fine grained med. grey-green Diorite sulphides in anastomosing veins up to 5cm, tr vfg sericite?					72.15	75.85	diss			0.5					
83.90	89.70	5.80			lighter coloured interval, secondary biotite in rounded fine grained xenoliths 1-2 mm Hbl in very fine grained groundmass, 1-2 mm feldspar phenocrysts in upper part of interval, weak pervasive chlorite-epidote and selective pervasive biot. alteration and diss. py in xenoliths, minor py and calcite veins					73.50	74.00	VN	20		1					
										75.00	JNT	60								
										75.85	82.70	diss		<.5						
										78.00	JNT	60								
										78.10	JNT	40								
										82.70	83.90	VN		5						
										82.70	83.90	diss		2						
										82.95	VN 2cm	30		60						
										83.90	89.70	diss		0.5						
										86.80	88.50	Vn	20-60							
										89.00	VN,4mm	15		20?		Ca				

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DDH No.:		ER08-04		Logged by:		US		Rock Codes		Structure codes										
Date started:	13 Jan. 04 <th>Date finished:</th> <td>25 Jan. 04<th>Azimuth</th><td>N/A<th>Dip</th><td>Collar</td><th>-90 deg.</th><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th></th></td></td>	Date finished:	25 Jan. 04 <th>Azimuth</th> <td>N/A<th>Dip</th><td>Collar</td><th>-90 deg.</th><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th></th></td>	Azimuth	N/A <th>Dip</th> <td>Collar</td> <th>-90 deg.</th> <th>DIOR</th> <td>Diorite</td> <th>LSTT</th> <td>Tuff/Limest. Unit 4</td> <th></th>	Dip	Collar	-90 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4								
Nothing	9,265,040								GRAN	Granite	LSTC	Cherty Limestone, Unit 5	FLT Fault							
Easting	688,070								BWOL	Wollast/Kspar	LST	Limestone, Unit 5	VN Vein							
Collar Elev.:	668 m								WOL	Massive wollast	SLST	Siltstone, unit 6a	S0 Bedding							
Total Depth:	270 m								WG	Mot gar wol	QE	Quartz epidote	CT Contact							
Casing	4.15m	in/out							GB	Ban gr br garnet	BP	Brown Pyroxene								
HQ - NQ Reduction	70.95 m								GG	Mas gr garnet	OB	Overburden								
									CL	Chlorite	SB	Secondary Biotite								
INTERVAL		Interval	P S	ROCK CODE	DESCRIPTION				From	To	Type	CA	Mineralization							
From	To	m							From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	
89.70	95.35	5.65			medium grey-green Hbl Diorite 1-2 mm altered Hbl phenocrysts, 30% variable concentrations of pale grey to white feldspar phenocrysts, indistinguishable in the groundmass in sections diss. euhedral py up to 1mm, also mm scale py veins				89.70	95.35	diss				5					
95.35	98.00	2.65			Hbl Diorite fractured and bleached interval, medium grained, equigranular, chloritized Hbl, white feldspar phenocrysts, groundmass altered to pale grey diss. py replacing or associated with mafics, minor epidote along fractures weak selective pervasive alteration of Hbl				89.70	95.35	VN				1					
98.00	100.00	2.00			darker interval of medium grained Hbl diorite; diss py associated with or replacing mafics, py epidote veins (evidence of movement during mineralization) selective pervasive chlorite alteration				91.50	95.35	20				5mm					
100.00	110.30	10.30			medium grained Hbl Diorite lighter coloured interval with fewer dark xenoliths 96% medium grained Hbl Diorite rare dark grey-green fine grained xenoliths minor epidote along fractures, euheiral quartz crystals along open space veins py veins with 2 to 4 cm vein selvages, diss py increases in selvages selective pervasive weak chloritization broken core, sheared py veins and diss py clay and calcite xls in open voids				94.95	95.35	25,40				1cm					
110.30	140.50	30.20			Unit 10 mixed Diorite continues darker variety over this interval, dark grey-green groundmass with dark grey-green 2 mm chloritized phenocrysts of hornblende, selective pervasive chloritization groundmass lightens and 2 to 3 mm feldspar phenocrysts are evident over short intervals diss py associated with or replacing mafics, also mm scale py veins				94.40	95.35	JNT	15								
112.60	113.90	1.30							95.35	98.00	diss				5					
98.00	100.00	2.00							95.50	98.00	FLT									
109.90	111.40	1.50							95.35	98.00	VN	10,40			<.5					
110.00	110.30	.30							98.00	100.00	diss				3to5					
110.00	110.30	.30							98.00	100.00	VN				<.5	TR		Ep		
110.00	110.30	.30							110.00	110.30	diss					TR				
110.00	110.30	.30							110.00	110.30	TR									
109.90	111.40	1.50							109.90	111.40	5to10				5					
110.30	112.60	2.30							110.30	112.60	diss				3to5					
110.30	112.60	2.30							110.30	112.60	VN				<1					
111.90	116.30	4.40							111.90	116.30	VN	40			1mm					
111.90	116.30	4.40							111.90	116.30	VN	15			1mm					
109.90	111.40	1.50							109.90	111.40	5to10				5					
110.30	112.60	2.30							110.30	112.60	diss				3to5					
110.30	112.60	2.30							110.30	112.60	VN				<1					
111.90	116.30	4.40							111.90	116.30	VN	40			1mm					
114.10	114.80	.70							114.10	114.80	shear/VN	15			5					
114.50	116.60	2.10							114.50	116.60	diss/VN				2to5					
121.80	122.50	.70							121.80	122.50	FLT	?								
124.60	124.90	.30							124.60	124.90	VN	15,35	(2mm- 3cm)							

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DDH No.:		ER08-04		Logged by:		US		Rock Codes		Structure codes									
Date started:	13 Jan. 04 <th>Date finished:</th> <td>25 Jan. 04<th>Azimuth</th><td>N/A<th>DIP</th><td>Collar</td><th>-90 deg.</th><td>DIOR</td><td>Diorite</td><td>LSTT</td><td>Tuff/Limest. Unit 4</td></td></td>	Date finished:	25 Jan. 04 <th>Azimuth</th> <td>N/A<th>DIP</th><td>Collar</td><th>-90 deg.</th><td>DIOR</td><td>Diorite</td><td>LSTT</td><td>Tuff/Limest. Unit 4</td></td>	Azimuth	N/A <th>DIP</th> <td>Collar</td> <th>-90 deg.</th> <td>DIOR</td> <td>Diorite</td> <td>LSTT</td> <td>Tuff/Limest. Unit 4</td>	DIP	Collar	-90 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4							
Northing	9,265,040	Easting	688,070	m		m		m	GRAN	Granite	LSTC	Cherty Limestone, Unit 5							
Collar Elev.:	668 m	Total Depth:	270 m	m		m		m	BWOL	Wollast/Kspar	LST	Limestone, Unit 5							
Casing	4.15m in/out	HQ - NQ Reduction	70.95 m	m	<th>m</th> <td></td> <td>m</td> <td>WOL</td> <td>Massive wollast</td> <td>SLST</td> <td>Siltstone, unit 6a</td>	m		m	WOL	Massive wollast	SLST	Siltstone, unit 6a							
INTERVAL		Interval	P S	ROCK CODE	DESCRIPTION				From	To	Type	CA	Mineralization						
From	To	m							From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po
					continued (112.60-113.90)				116.60	124.60	diss				TR				
					sub-vertical fractures, open space filling with calcite				121.80	122.50	FLT								
					fault, pale to dark green, weakly calcareous, calcite, epidote 10% py 5%				124.60	124.90	VN	15,35			3cm				EP CHL
					sub-vertical, vein/fracture, calcite, epidote, py				125.90	128.50	VN	5to15							Ca
									124.90	130.30	diss				TR				
									130.30	131.40	FLT	35			5				EP
									133.50	135.40	VN	10			1cm				EP
									132.80	135.40		5to15							
									131.40	132.8	diss				3				
									135.00	135.40	VN	10to20			5mm				
									135.40	140.50	diss				<1				
									140.50	146.00	diss				3to5				
140.50	146.00	5.50			Hbl-phyric, medium grey-green Diorite				140.50	146.00	VN	5to15			1				
					selective pervasive chlorite, very fine grained 1% diss mica (sericite?)														
									146.00	152.90	diss				TR				
146.00	152.90	6.90			Feldspar-phyric interval				147.80	148.20	VN/FRCT	5							EP Ca
					selective pervasive chlorite epidote alteration of Hbl, calcite, epidote along open space fractures				149.10	150.30	VN/FRCT	5to30							EP Ca
					diss 1 to 2 mm euhedral py associated with mafics				152.90	154.30	diss				5				
					py veins 1 to 5 cm, epidote, calcite				152.90	154.30	VN				<.5				
									153.20	154.30	diss				5				
152.90	154.30	1.40			Hbl-phyric interval				153.20	154.30	Vn				1				
					lighter colour near fault zone														
154.30	157.35	3.05			Fault zone, calcareous fault gouge with epidote, core broken into small fragments				154.30	157.35	VN				TR				
157.35	166.20	8.85			Hbl-phyric interval				157.35	166.20	diss				5				
					lighter colour near fault zone,				157.35	166.20	VN				2				
					selective pervasive chlorite epidote alteration, epidote in veins										163.45	15to20	>6cm		
					selective pervasive vfg diss white mica (sericite?)>				161.40	162.30									
					Feldspar-phyric > Hbl -phyric				166.20	172.70	diss/VN				TR				
					vertical oxidized fractures->				168.70	170.55		0to 5			2cm				Ca

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DDH No.:		ER08-04		Logged by:		US		Rock Codes		Structure codes															
Date started:	13 Jan. 04 <th>Date finished:</th> <td>25 Jan. 04<th>Azimuth</th><td>N/A<th>DIP</th><th>COLLAR</th><th>-90 deg.</th><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th>FLT</th><td>Fault</td></td></td>	Date finished:	25 Jan. 04 <th>Azimuth</th> <td>N/A<th>DIP</th><th>COLLAR</th><th>-90 deg.</th><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th>FLT</th><td>Fault</td></td>	Azimuth	N/A <th>DIP</th> <th>COLLAR</th> <th>-90 deg.</th> <th>DIOR</th> <td>Diorite</td> <th>LSTT</th> <td>Tuff/Limest. Unit 4</td> <th>FLT</th> <td>Fault</td>	DIP	COLLAR	-90 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4	FLT	Fault											
Nothing	9,265,040			GRAN	Granite	LSTC			Cherty Limestone, Unit 5				VN	Vein											
Easting	688,070			BWOL	Wollast/Kspar	LST			Limestone, Unit 5				S0	Bedding											
Collar Elev.:	668 m			WOL	Massive wollast	SLST			Siltstone, unit 6a				CT	Contact											
Total Depth:	270 m			WG	Mot gar wol	QE			Quartz epidote																
Casing	4.15m in/out			GB	Ban gr br garnet	BP			Brown Pyroxene																
HQ - NQ Reduction	70.95 m			GG	Mas gr garnet	OB			Overburden																
				CL	Chlorite	SB			Secondary Biotite																
INTERVAL		Interval	P	ROCK	CODE	DESCRIPTION				Mineralization															
From	To	m	S							From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	Ca	EP			
172.70	200.25	27.55				Mixed Feldspar > Hbl-phyric and fine grained Hbl Diorite selective pervasive propylitic alteration epidote occurs along fractures rare darker green selvages along some veins epidote alteration in veins increases to depth of 196 m feldspar-phyric cuts fine grained Hbl diorite				172.65		VN	50			2cm					Ca	EP			
										172.90	192.20	diss/VN													
										174.85		FLT?													
										172.70		VN													
										188.30		2.5cmVN				10					20	50			
										192.20	192.45	diss				5									
										192.45	202.25	diss				TR									
										192.45	192.6														
										202.25															
										202.00		VN/FRCT	25			1cm									
200.25	212.10	11.85				Mixed Hbl-phyric > Feldspar-phyric and fine grained Hbl Diorite Hbl altered to chlorite epidote				204.20	208.80	diss/VN				2									
										208.80	212.90	diss/VN				TR									
										212.90	222.10	diss				TR									
										212.90	222.10	diss													
										213.50		FRCT	30								Ca				
										214.00		FRCT	3								Ca				
										218.60		FRCT	30,50												
										218.70	222.10	broken core	<10cm												
										222.10	225.40	diss				TR									
										222.10	225.40	diss 2%									SB				
222.10	225.40	3.30				fine grained med. green diorite / light grey feldspar-phyric diorite frequency and size of cross cutting lighter feldspar-phyric bands is decreasing with depth, epidote veins and vfg diss epidote , vfg diss biotite in darker sections vfg chlorite in lighter colours sections selective pervasive alteration of Hbl by chlorite epidote very fine grained disseminated secondary biotite approximately 1-2% occurs preferentially in f.g.. darker sections				223.00	228.00	VNs	5to15										Ca	EP	
										227.80	228.00	FLT	15									Ca	CHL		

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DDH No.:		ER08-04		Logged by:		US		Rock Codes		Structure codes						
Date started:	13 Jan. 04 <th>Date finished:</th> <td>25 Jan. 04<th>Azimuth</th><td>N/A<th>Dip</th><td>Collar</td><th>-90 deg.</th><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th></th></td></td>	Date finished:	25 Jan. 04 <th>Azimuth</th> <td>N/A<th>Dip</th><td>Collar</td><th>-90 deg.</th><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th></th></td>	Azimuth	N/A <th>Dip</th> <td>Collar</td> <th>-90 deg.</th> <th>DIOR</th> <td>Diorite</td> <th>LSTT</th> <td>Tuff/Limest. Unit 4</td> <th></th>	Dip	Collar	-90 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4				
Nothing	9,265,040								GRAN	Granite	LSTC	Cherty Limestone, Unit 5	FLT Fault			
Easting	688,070								BWOL	Wollast/Kspar	LST	Limestone, Unit 5	VN Vein			
Collar Elev.:	668 m								WOL	Massive wollast	SLST	Siltstone, unit 6a	S0 Bedding			
Total Depth:	270 m								WG	Mot gar wol	QE	Quartz epidote	CT Contact			
Casing	4.15m	in/out							GB	Ban gr br garnet	BP	Brown Pyroxene				
HQ - NQ Reduction	70.95 m								GG	Mas gr garnet	OB	Overburden				
									CL	Chlorite	SB	Secondary Biotite				
INTERVAL		Interval	P S	ROCK CODE	DESCRIPTION				From	To	Type	CA	Mineralization			
From	To	m							CuO	FeO	py	cpx	sph	mo	po	
225.40	251.70	26.30			fine grained med. green diorite with narrow zones of light grey feldspar-phyric diorite, decreasing in frequency with depth, selective pervasive alteration of Hbl by chlorite epidote very fine grained disseminated secondary biotite approximately 1-2% epidote and calcite veins in fractures, +/- py				225.40	251.70	diss 1-2%					SB
									225.40	251.70	diss 1-2%					
									229.00	231.00	VN	0to5		5		Ca EP
									231.30	232.20	broken core	<10cm				Ca
									235.10	235.70	broken core					
									236.90	237.20	broken core			2		Ca
									238.50	239.60	FRCT	5to15		TR		Ca
									246.00	246.50	FRCT	5to20		TR		Ca EP
									249.40	249.70	FRCT	25				10 3
									252.10	258.60	broken core					Ca
									252.10	252.60	VN	20-80				Ca
														10		
															Ca EP	
									252.60	254.60	VN	15to30				10 3
									251.70	267.40	diss			TR		Ca EP
															5 10	
									251.70	267.40	VN			TR		
									251.70	267.40	diss					EP
									251.70	267.40	VN					20
															EP	
															2	
									255.60	267.40	diss					SB
															5	
									256.10	256.70	diss					CHL
															5	
									267.40	270.00	diss			TR		
									267.40	270.00	VN			TR		Ca EP
									260.10	260.60				5		Ca EP
															10 5	
									260.50	2cmVN	5to25			20		Ca EP
															30 30	
EOH					EOH											

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DDH No.:		ER09-04		Logged by:		US		Rock Codes						Structure codes							
Date started:		25-Mar-04		Date finished:		8-Apr-04															
Northing		9,264,840		Azimuth	143 deg.		Collar	-60 deg.		DIOR	Diorite	LSTT	Tuff/Limest. Unit 4								
Easting		687,209			Collar			m		GRAN	Granite	LSTC	Cherty Limestone, Unit 5	FLT Fault							
Collar Elev.:		828 m			m			m		BWOL	Wollast/Kspar	LST	Limestone, Unit 5	VN Vein							
Total Depth:		349.10 m			m			m		WOL	Massive wollast	SLST	Siltstone, unit 6a	S0 Bedding							
Casing		in/out			m			m		WG	Mot gar wol	QE	Quartz epidote	CT Contact							
HQ - NQ Reduction		156.95m			m			m		GB	Ban gr br garnet	BP	Brown Pyroxene	JNT Joint							
					m			m		GG	Mas gr garnet	OB	Overburden								
					m			m		CL	Chlorite	SB	Secondary Biotite								
INTERVAL		Interval	P	ROCK	DESCRIPTION		From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	bo			
From	To	m	S	CODE																	
0.00	3.90	3.90		OB	Weathered Rock and Overburden																
3.90	13.05	9.15		SLST	SILTSTONE, CHERT,TUFF, non-calcareous																
					pale grey to beige, thinly laminated to mottled, siliceous siltstone, hornfels																
					pale yellow alteration (weak epidote) and dendritic manganese oxide																
13.05	14.55	1.50			medium grey gravel																
14.55	22.20	7.65		SLST	SILTSTONE: pale grey to red-brown, weathered, siltstone, highly fractured core <5 cm																
					clay fault gouge and small rock fragments->																
					small fragments->																
22.00	27.35	5.35			broken core contact?																
					Silicified Siltsone: pale grey to white, pervasive silicification, weak banding and breccia																
					texture, fractured core																
27.35	41.57	14.22		SLST	gradational contact																
41.57	79.40	37.83		SLST	SILTSTONE																
					pale beige and pale grey mottled to thinly laminated siltstone hornfels, locally weak calc-silicate alteration																
					broken core most fragments in the 1to 2 cm range->																
					38.95						broken core										
					45.30						45.60										
					48.00						48.10										
					47.70						47.80										
					49.10						49.50										
					50.70						51.15										
					59.60						S0										
					59.60						JNT										
					65.80						FLT										

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DDH No.:				Logged by: US																				
Date started:		Date finished:		Rock Codes										Structure codes										
Northing Easting Collar Elev.: Total Depth: Casing HQ - NQ Reduction	9,264,840 687,209 828 m 349.10 m in/out 156.95m	Azimuth Dip	143 deg. Collar m m m m m CL	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4																	
				GRAN	Granite	LSTC	Cherty Limestone, Unit 5																	
				BWOL	Wollast/Kspar	LST	Limestone, Unit 5																	
				WOL	Massive wollast	SLST	Siltstone, unit 6a																	
				WG	Mot gar wol	QE	Quartz epidote																	
				GB	Ban gr br garnet	BP	Brown Pyroxene																	
				GG	Mas gr garnet	OB	Overburden																	
														Secondary Biotite										
														Mineralization										
														CuO	FeO	py	cpx	sph	mo	po	bo			
INTERVAL		Interval	P	ROCK CODE	DESCRIPTION				From	To	Type	CA												
From	To	m	S	SLST	SILTSTONE continued																			
79.40	89.70	10.30		SLST/LST	CALCAREOUS SILTSTONE																			
					pale grey to white, weakly laminated, with calcareous bands, silicified and bleached, chert with 10% interbedded carbonate, weakly calc-silicate altered pale brown and pale green bands, bleaching decreases with depth, grades into med. grey thinly laminated chert / siliciclastic / siltstone																			
89.70	97.20	7.50			Transition Zone: bleaching diminishes with depth, thinly laminated cherty siltstone end of calcareous bands, weak calcite veining below->																			
97.20	110.00	12.80		SLST	CHERT / SILTSTONE																			
					medium grey vfg thinly laminated, siliceous siltstone, bleaching and calc-silicate alteration, pink, pale green and medium green alteration minor epidote alteration parallel and crossing S0																			
110.00	115.20	5.20		DIOR	DIORITE DIKE																			
					upper contact 15deg. to CA opposite to S0 pale grey fg groundmass with weak darker grey banding (40 deg.CA) qtz phenocrysts in fg ground mass lower contact about 70 deg. to CA, finely diss. py and blebby po, white 1 to 2 mm feldspar phenocrysts, rimmed by vfg sulphides, sulphide veinlets cross-cut weak foliation																			
115.20	123.80	8.60		SLST	SILTSTONE																			
					dark grey, thinly laminated, siliceous siltstone, weak bleaching along hairline fractures, parallel and across laminations; bleached, weakly calcareous layers->				118.00	118.25	FRCT/VN	50												
									118.25	119.80														

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DDH No.: RA01-04				Logged by: US		Rock Codes										Structure codes					
Date started:	4-Feb-04 <th>Date finished:</th> <td>23-Feb-04<th>Azimuth</th><td>235 deg.</td><th>DIOR</th><td>Diorite</td><th>LSTT</th><td>Tuff/Limest. Unit 4</td><th data-cs="10" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Date finished:	23-Feb-04 <th>Azimuth</th> <td>235 deg.</td> <th>DIOR</th> <td>Diorite</td> <th>LSTT</th> <td>Tuff/Limest. Unit 4</td> <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>	Azimuth	235 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4												
Northing	9,265,310 <th>Dip</th> <th>Collar</th> <td>-55 deg.</td> <th>GRAN</th> <td>Granite</td> <th>LSTC</th> <td>Cherty Limestone, Unit 5</td> <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th> <th>FLT Fault</th>	Dip	Collar	-55 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5											FLT Fault		
Easting	689,703	m	BWOL	Wollast/Kspar	LST	Limestone, Unit 5											VN Vein				
Collar Elev.:	719 m	m	WOL	Massive wollast	SLST	Siltstone, unit 6a											S0 Bedding				
Total Depth:	340.45 m	m	WG	Mot gar wol	QE	Quartz epidote											CT Contact				
Casing	0 in/out	m	GB	Ban gr br garnet	BP	Brown Pyroxene											JNT Joint				
HQ - NQ Reduction	34.2 m	m	GG	Mas gr garnet	OB	Overburden															
INTERVAL		Interval	P	ROCK CODE	DESCRIPTION				From	To	Type	CA	Mineralization								
From	To	m	S						From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	bo	
46.05	47.90	1.85			Intrusive Breccia with quartzite, porphyry and lithic fragments continued																
					Calc-silicate hornfels: med grey, con-calcareous, hornfels, calcareous along veins and fractures																
47.90	51.30	3.40		GG	GREEN GARNET-FeOx SKARN black and green mottled fine grained diss FeOx in garnet skarn with disseminated and blebby cpx, py, po and possible bornite, lower contact at ~60 CA				47.90	51.30	diss				30	TR	5	?	2	Ca	?
51.30	53.85	2.55		GG	GREEN AND BLACK GARNET-MAGNETITE SKARN fine grained, green garnet-epidote skarn with weakly banded and mottled black magnetite, cpx, po, py, possible bo, very fine grained disseminated and coarser blebs of cpx grades into minor diss py and trace po outside the magnetite zone mineral banding ~ 50 CA , core has higher SG than previous zone				51.30	53.55	diss				20	TR	3to5		TR	Ca	?
53.85	54.90	1.05		WG	BEIGE WEAKLY BANDED GARNET-WOLLASTONITE SKARN pale brown garnet bands in light beige coloured Wollastonite? skarn; minor green pnx								54.55	S1	30						
54.90	57.80	2.90		LST	LIMESTONE pale grey and dark grey mottled, weak calc-silicate alteration ~50								56.90	JNT	45						
57.80	59.70	1.90		WOL	WOLLASTONITE SKARN pale beige to white, wollastonite skarn, minor patchy pale brown garnet, weak colour banding ~40 ; very hard, weakly calcareous																
59.70	62.50	2.80		LST	LIMESTONE dark grey with white patches, colour banding ~50, very calcareous																
62.50	62.80	0.30		WG	GARNET-WOLLASTONITE SKARN pale beige with pale brown garnet patches																
62.80	66.50	3.70		LST	LIMESTONE pale grey and dark grey mottled, and weakly colour banded, very calcareous very calcareous								65.30	S0	45						

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DDH No.:	RA01-04		Logged by:		US		Rock Codes						Structure codes							
Date started:	4-Feb-04		Date finished:	23-Feb-04																
Northing	9,265,310		Azimuth	235 deg.		DIOR	Diorite	LSTT	Tuff/Limest. Unit 4											
Easting	689,703		Dip	Collar	-55 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5							FLT Fault				
Collar Elev.:	719 m			m		BWOL	Wollast/Kspar	LST	Limestone, Unit 5							VN Vein				
Total Depth:	340.45 m			m		WOL	Massive wollast	SLST	Siltstone, unit 6a							S0 Bedding				
Casing	0	in/out				WG	Mot gar wol	QE	Quartz epidote							CT Contact				
HQ - NQ Reduction	34.2 m					GB	Ban gr br garnet	BP	Brown Pyroxene											
						GG	Mas gr garnet	OB	Overburden											
						CL	Chlorite	SB	Secondary Biotite											
INTERVAL		Interval	P	ROCK	CODE	DESCRIPTION						From	To	Type	CA	Mineralization				
From	To	m	S									CuO	FeO	py	cpy	sph	mo	po		
112.70	113.65	0.95		GPXN		GARNET-PYROXENE? SKARN														
						Pale green mottled, weakly calcareous						112.90	113.10	broken core						
113.65	131.70	18.05		11		UNIT 11 QUARTZ-FELDSPAR PORPHYRY														
						clear quartz phenocrysts or quartz aggregates, intrusive contact is at 65 deg. opposite calc-silicate banding, 10 cm chilled margin, glassy translucent groundmass, finely diss py 3%, cloudy sub-rounded white feldspar phenocrysts						113.65	113.65	contact	65					
						red-brown FeOx staining from diss. py -> pale green to pale grey groundmass, 3-5 mm angular to sub-rounded qtz phenocrysts						113.65	131.70	diss		1				
						5-10 % , lower contact, pale green chilled margin as above, glassy groundmass						113.80	115.00							
												131.40	131.55		4-Feb					
131.70	144.80	13.10		11b		UNIT 11b "FELSITE" QUARTZ PORPHYRY														
						white to translucent feldspar porphyry, fractured throughout may be a chilled margin, bleached? or silicified? feldspar porphyry														
						Mn staining on some fractures, calcite and minor epidote along fractures, ghosts of euhedral feldspar phenocrysts evident in some sections														
144.80	151.75	6.95		WG		WOLLASTONITE- GARNET SKARN						144.80	151.75			TR				
						Pale brown to white, med to pale brown, garnet, mottled texture, pale green, very fine grained sections of pxn?, minor epidote, minor green garnet, trace py, weakly calcareous; texture varies from weakly banded, mottled to brecciated														
151.75	157.30	5.55		11b		UNIT 11b "FELSITE" QUARTZ PORPHYRY						151.75	157.30			TR				
						pale grey quartz porphyry; chilled margin, altered or silicified, pale brown to pale green fractured, very hard, non-calcareous, calcite along hairline fractures, translucent groundmass with sub-angular ghosts of phenocrysts; locally flow-banded texture with quartz fragments, medium green chloritic alteration in some sections						157.60	159.30	broken core						
157.30	165.90	8.60		WG		WOLLASTONITE-GARNET SKARN						157.30	165.90			TR	TR			
						pale grey to green, vfg, hard skarn; pale brown bands of garnet, medium green alteration cross-cuts garnet, possibly pxn, overprints medium brown calc-silicate hornfels lower in this interval						160.85	VN	40				Ca		
												163.25	VN	30				Ca		
												163.25	JNT	20						

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DDH No.:		RA01-04		Logged by:		US		Rock Codes								Structure codes												
Date started:		4-Feb-04		Date finished:		23-Feb-04																						
Northing		9,265,310		Azimuth		235 deg.		DIOR	Diorite	LSTT	Tuff/Limest. Unit 4																	
Easting		689,703		Dip		Collar		-55 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5									FLT Fault							
Collar Elev.:		719 m		m				BWOL	Wollast/Kspar	LST	Limestone, Unit 5									VN Vein								
Total Depth:		340.45 m		m				WOL	Massive wollast	SLST	Siltstone, unit 6a									S0 Bedding								
Casing		0 in/out		m				WG	Mot gar wol	QE	Quartz epidote									CT Contact								
HQ - NQ Reduction		34.2 m		m				GB	Ban gr br garnet	BP	Brown Pyroxene																	
								GG	Mas gr garnet	OB	Overburden																	
								CL	Chlorite	SB	Secondary Biotite																	
INTERVAL		Interval	P	ROCK	Mineralization																							
From	To	m	S	CODE	DESCRIPTION														CuO	FeO	py	cpy	sph	mo	po	bo		
194.70	209.20	14.50			GARNET-EPIDOTE SKARN																1				1			
					pale brown to yellow-green mottled skarn; moderately calcareous, disseminated bo, cp in some sections of this interval, associated with epidote trace po, pale brown garnet, also olive brown mineral, (diopside or vesuvianite)																			Chl				
																								Chl				
																								Ep				
																								10				
203.60	205.55	1.95			brecciated interval, limestone, lithic and igneous rock fragments in a calc-silicate altered matrix, lower boundary uncertain, TR cpy														202.90	203.55					2			
																								Ep				
																								5				
209.20	216.90	7.70		6b	CALC-SILICATE ALTERED LIMESTONE																			Ep				
					30% calc-silicate minerals in bands and patches, in pale grey limestone pale olive green bands, medium brown garnets, pale brown garnets dark olive green diopside?																			10				
216.90	219.25	2.35			GARNET-DIOPSID-EPIDOTE SKARN														216.90	219.25				TR	TR			
					pale brown to pink garnets, dark olive brown diopside 15%, weakly banded, epidote 5% also dark brown mineral, possibly vesuvianite?														217.60	banding	45							
219.25	243.30	24.05		6b	CALC-SILICATE ALTERED LIMESTONE														219.25	243.30			TR	TR	TR			
					30% calc-silicate minerals in bands and patches, in pale grey limestone pale olive green bands, pale brown to pink garnets 10% dark olive green diopside? 15%; yellow green epidote 2%														235.00	banding	35							
229.00	235.00	6.00			trace cpy, bo associated with epidote, trace sphalerite, pale grey, limestone, texture looks like carbonate fragments in medium olive brown calc-silicate matrix																							
243.30	247.75	4.45		6b	CALC-SILICATE ALTERED LIMESTONE																							
					medium brown and pink, weakly calcareous																							
244.55	246.10	1.55			brecciated interval calc-silicate and limestone breccia														244.55	contact	25							
																			246.10	contact	25				Ep			

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DDH No.:		RA03-04		Logged by:		US																					
Date started:		16-Apr-04		Date finished:		21-Apr-04		Rock Codes						Structure codes													
Northing		9,264,001		Azimuth		225 deg.		DIOR	Diorite	LSTT	Tuff/Limest. Unit 4																
Easting		689,613		Dip		Collar		-60 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5			FLT	Fault											
Collar Elev.:		718m		m		BWOL		Wollast/Kspar		LST	Limestone, Unit 5			VN	Vein												
Total Depth:		277.65		m		WOL		Massive wollast		SLST	Siltstone, unit 6a			S0	Bedding												
Casing		in/out		m		WG		Mot gar wol		QE	Quartz epidote			CT	Contact												
HQ - NQ Reduction		58.40		m		GB		Ban gr br garnet		BP	Brown Pyroxene			JNT	Joint												
				m		GG		Mas gr garnet		OB	Overburden																
				m		CL		Chlorite		SB	Secondary Biotite																
INTERVAL		Interval	P	ROCK	DESCRIPTION												Mineralization										
From	To	m	S	CODE													py	cpx	sph	mo	po	bo					
0.00	3.20	3.20		OB	OVERBURDEN: clay and rock fragments																						
3.20	23.95	20.75			LIMESTONE UNIT 2												3.20	23.95	diss.			TR					
15.00	22.90	7.90			medium grey to black, thinly laminated to massive limestone, weakly weathered and oxidized, broken core <10 cm fragments, local fossil shell fragments, <-dark grey to black thinly laminated, 40% of core is bleached to beige colour parallel to lamination and cross-cutting fractures												5.55	5.85	clay								
21.20	23.95	2.75			Trace concentrations of diagenetic pyrite parallel to lamination and fractures black limestone increased pyrite and harder core than above												10.00	S0	80								
23.95	61.60	37.65		DIOR	UNIT 10b DIORITE SILL												13.10	S0	75								
					upper contact is parallel to bedding at 75 deg. to core axis pale greenish-grey, medium grained, equigranular, Hbl diorite, 10 to 15% Hbl laths from 1 to 3 mm in length, generally unaltered, two populations of med grained feldspars with indistinct crystal boundaries, one is greenish-grey weakly altered and the second population has white cloudy laths to 4mm, in a very fine granular, grey groundmass, fine grained disseminated pyrrhotite occurs throughout from 3 to 5% fine grained pyrite and pyrite aggregates occur along and in the vicinity of hairline fractures, the upper contact has a 10 cm chilled margin which has a slightly higher concentration of pyrite, there is no alteration of the intruded limestone a small number of cm scale xenoliths of fine grained diorite occur with increasing depth widely spaced calcite veins with shallow core angles occur around 32 m, pyrite along hairline fractures also increases to 7/ m over 2 m												16.75	VN	45				Ca				
																	18.25	VN	15								
																	22.85	S0	80								
61.60	64.95	3.35			LIMESTONE UNIT 2												23.95	61.60			1		4				
					black, thinly laminated, calcite filled fractures and minor breccia, disseminated and aggregates of diagenetic pyrite												23.95	contact	75								
																	25.90	FRCT/VN	20		10		Ca				
64.95	72.40	7.45		DIOR	intrusive contact parallel to S0, 75 deg.												28.95	FRCT/VN	10		5		Ca				
					UNIT 10b HORNBLENDE DIORITE												35.40	FRCT	60		TR						
					pale greenish-grey, Hbl diorite, medium grained, equigranular, 1-2 mm Hbl, 10% 1-3 mm white, cloudy feldspar phenocrysts 40%, very fine grained, greenish-grey groundmass, widely spaced, mm scale calcite veins, approx. 4 / m												FRCT	35	TR								
																	61.60	64.95	diagenetic		3		Ca				
																	63.20	S0	70								
																	64.50	VN	15				Ca				
																	64.95	contact	75								
																	66.15	VN	60				Ca				
																	66.25	VN	50				Ca				
																	67.50	FRCT	30								

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DDH No.: RA03-04				Logged by: US				Rock Codes								Structure codes																						
Date started:	16-Apr-04 <th>Date finished:</th> <td>21-Apr-04<th>DIOR</th><td>Diorite<th>LSTT</th><td>Tuff/Limest. Unit 4</td><th>GRAN</th><td>Granite</td><th>LSTC</th><td>Cherty Limestone, Unit 5</td><th>WOLL</th><td>Wollast/Kspar</td><th>LST</th><td>Limestone, Unit 5</td><th>WOL</th><td>Massive wollast</td><th>SLST</th><td>Siltstone, unit 6a</td><th>WG</th><td>Mot gar wol</td><th>QE</th><td>Quartz epidote</td><th>GB</th><td>Ban gr br garnet</td><th>BP</th><td>Brown Pyroxene</td><th>GG</th><td>Mas gr garnet</td><th>OB</th><td>Overburden<th>CL</th><td>Chlorite</td><th>SB</th><td>Secondary Biotite<th>FLT</th><td>Fault</td></td></td></td></td>	Date finished:	21-Apr-04 <th>DIOR</th> <td>Diorite<th>LSTT</th><td>Tuff/Limest. Unit 4</td><th>GRAN</th><td>Granite</td><th>LSTC</th><td>Cherty Limestone, Unit 5</td><th>WOLL</th><td>Wollast/Kspar</td><th>LST</th><td>Limestone, Unit 5</td><th>WOL</th><td>Massive wollast</td><th>SLST</th><td>Siltstone, unit 6a</td><th>WG</th><td>Mot gar wol</td><th>QE</th><td>Quartz epidote</td><th>GB</th><td>Ban gr br garnet</td><th>BP</th><td>Brown Pyroxene</td><th>GG</th><td>Mas gr garnet</td><th>OB</th><td>Overburden<th>CL</th><td>Chlorite</td><th>SB</th><td>Secondary Biotite<th>FLT</th><td>Fault</td></td></td></td>	DIOR	Diorite <th>LSTT</th> <td>Tuff/Limest. Unit 4</td> <th>GRAN</th> <td>Granite</td> <th>LSTC</th> <td>Cherty Limestone, Unit 5</td> <th>WOLL</th> <td>Wollast/Kspar</td> <th>LST</th> <td>Limestone, Unit 5</td> <th>WOL</th> <td>Massive wollast</td> <th>SLST</th> <td>Siltstone, unit 6a</td> <th>WG</th> <td>Mot gar wol</td> <th>QE</th> <td>Quartz epidote</td> <th>GB</th> <td>Ban gr br garnet</td> <th>BP</th> <td>Brown Pyroxene</td> <th>GG</th> <td>Mas gr garnet</td> <th>OB</th> <td>Overburden<th>CL</th><td>Chlorite</td><th>SB</th><td>Secondary Biotite<th>FLT</th><td>Fault</td></td></td>	LSTT	Tuff/Limest. Unit 4	GRAN	Granite	LSTC	Cherty Limestone, Unit 5	WOLL	Wollast/Kspar	LST	Limestone, Unit 5	WOL	Massive wollast	SLST	Siltstone, unit 6a	WG	Mot gar wol	QE	Quartz epidote	GB	Ban gr br garnet	BP	Brown Pyroxene	GG	Mas gr garnet	OB	Overburden <th>CL</th> <td>Chlorite</td> <th>SB</th> <td>Secondary Biotite<th>FLT</th><td>Fault</td></td>	CL	Chlorite	SB	Secondary Biotite <th>FLT</th> <td>Fault</td>	FLT	Fault	
Northing	9,264,001 <th>Azimuth</th> <td>225 deg.</td> <th>m</th> <td></td> <th>VN</th> <td>Vein</td>	Azimuth	225 deg.	m		m		m		m		m		m		m		m		m		m		m		m		m		m		VN	Vein					
Easting	689,613	Dip	Collar	-60 deg.	m		m		m		m		m		m		m		m		m		m		m		m		m		S0	Bedding						
Collar Elev.:	718m																												CT	Contact								
Total Depth:	277.65 <th></th> <th>JNT</th> <td>Joint</td>																												JNT	Joint								
Casing	in/out																																					
HQ - NQ Reduction	58.40 <th></th>																																					
INTERVAL	Interval	P S	ROCK CODE	DESCRIPTION								From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	bo	Mineralization														
166.15	180.10	13.95		BRECCIA AND CALCITE VEINING								166.15	180.10	diss.																								
				angular lithic fragments, generally lighter than the dark grey matrix, matrix supported fragments with disseminated f.g.. pyrite in matrix, breccia runs sub-parallel to core, cuts weakly altered tuff unit at approximately 10 deg. To core axis, breccia bisects core for much of the interval, breccia is cut by later calcite veining									167.00	VN		10															Ca							
													170.90	JNT		15																						
													176.60	JNT		10																						
													177.50	small flt.		10																						
													179.50	banding		30																						
180.10	182.00	1.90		CALCAREOUS SILTSTONE / TUFF																																		
182.00	183.10	1.10		FAULT ZONE 15 deg. To CA																																		
183.10	188.20	5.10	UNIT 2	CALCAREOUS SILTSTONE/ LIMESTONE																																		
				medium grey to olive green, fine grained, weakly laminated, weakly altered calcareous siltstone and limestone									183.10	1888.20	diss./VN																	3	Ca					
													185.00	186.00	1cm VN		20															10	Ca					
188.20	190.45	2.25	UNIT 2	CHERT																													1					
				pale olive green, altered, fractured and bleached, py along fractures																																		
190.45	191.40	0.95	Unit 10b	UNIT 10b HORNBLENDE PORPHYRY																													1					
				pale green altered porphyry sill? Medium green propylitically altered Hbl? and Hbl aggregates in pale green-grey f.g. groundmass, diss. And vein py									190.45	191.40	diss./VN																							
191.40	192.75	1.35	UNIT 2	CHERT																															1			
				pale olive-green bleached chert, pyritic along fractures																																		
192.75	202.60	9.85	UNIT 2	CALCAREOUS SILTSTONE / LIMESTONE																															4	3		
				medium grey and medium green to olive-green, weakly banded to massive, diss. py /po									193.70	193.90	diss.																				10			
													196.75	197.50	VN																		15					
													198.40	198.60	replacement																		60					
													199.10	199.40	diss.																		7					
													192.80	193.10	VN		15																5					
													193.40	193.40	banding		35																	5	Ca			

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DDH No.: RA03-04		Logged by: US		Rock Codes						Structure codes													
Date started:	16-Apr-04	Date finished:	21-Apr-04	Azimuth	225 deg.	DIOR	Diorite	LSTT	Tuff/Limest. Unit 4														
Northing	9,264,001	Dip	Collar	-60 deg.	GRAN	Granite	LSTC	Cherty Limestone, Unit 5	FLT Fault														
Easting	689,613	m			BWOL	Wollast/Kspar	LST	Limestone, Unit 5	VN Vein														
Collar Elev.:	718m	m			WOL	Massive wollast	SLST	Siltstone, unit 6a	S0 Bedding														
Total Depth:	277.65	m			WG	Mot gar wol	QE	Quartz epidote	CT Contact														
Casing	in/out	m			GB	Ban gr br garnet	BP	Brown Pyroxene	JNT Joint														
HQ - NQ Reduction	58.40	m			GG	Mas gr garnet	OB	Overburden															
INTERVAL		Interval	P	ROCK	DESCRIPTION						Mineralization												
From	To	m	S	CODE							From	To	Type	CA	CuO	FeO	py	cpx	sph	mo	po	bo	
202.60	209.60	7.00		UNIT 2	SILTSTONE / CHERT non-calcareous, medium grey, dark grey and pale olive green siltstone to chert, thinly laminated to mottled texture, v.f.g. diss. py>>po						202.60	209.60					TR				0.5		
												203.55	JNT	25									
												206.30	lamination	50									
												207.80	lamination	50									
												208.80	lamination	60									
209.60	218.10	8.50		UNIT 10b	UNIT 10b DIORITE (Sill) upper contact parallel to banding pale greenish-grey to medium grey Hbl Diorite, Hbl variably altered to chlorite, barren, widely spaced calcite veins, py along fractures, 4 / m						209.60	218.10					1				TR		
218.10	223.85	5.75		UNIT 2	MUDSTONE / SHALE / CHERT dark grey to pale olive green thinly laminated, locally brecciated , variable py in fractures and parallel to laminations, highest concentrations 1 metre below intrusive contact						218.10	223.85	VN/diss.				1				TR		
223.85	224.50	0.65		UNIT 10b	UNIT 10b DIORITE SILL upper contact sub parallel to banding, lower contact is faulted 25 deg. calcite vein breccia pale green altered																		
												224.50	229.00					TR					
224.50	229.00	4.50		UNIT 2	SILTSTONE/CHERT non-calcareous, black to weakly calcareous, olive green shale to chert, brecciated, cut by calcite veins TR pyrite																		
												229.00	231.80	diss./VN			1	TR	TR				
229.00	231.80	2.80		UNIT 10b	INTRUSIVE BRECCIA medium to pale green intrusive breccia with porphyritic fragments and lithic fragments, gradational contact with 10b diorite							233.50	VN	35			TR						
												233.40	VN	70			TR						
												234.30	VN	5			TR					Ca	
												237.50	VN	25			TR					Ca	
												237.95	VN	25			TR					Ca	
												238.30	VN	25			TR					Ca	
												240.70	VN	15								Ca	
												243.05	VN	25			TR					Ca	

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Appendix II 2004 Analyses

EI Rosal 2004
Diamond Drill Hole Assay and Analyses

Sample No	DDH #	From	To	metres	Zn	Cu	Cu	Zn	Pb	Au	Ag	Pb	Cd	As	Mo	Fe	Ca	Al	B	Ba	Be	Bi	Sb
					ppm	ppm	%	%	%	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	
B245091	ER8	19.40	21.80	2.40	78	67				<5	0.3	34	<0.5	20	1	2.31	3.45	2.17	10	40	1.5	<2	2
B245090	ER8	21.80	27.90	6.10	70	29				<5	0.5	29	<0.5	34	3	3.23	2.15	2.92	10	40	1.7	<2	<2
B245089	ER8	27.90	31.35	3.45	128	112				8	0.8	31	0.5	45	7	2.34	4.91	1.98	10	10	1.2	2	7
B245088	ER8	31.35	34.00	2.65	111	69				<5	0.8	50	0.6	20	7	1.88	3.84	2	70	20	0.9	2	4
B245087	ER8	34.00	37.10	3.10	99	132				<5	0.7	28	0.7	14	8	1.88	6.38	3.32	30	20	1	<2	<2
B245086	ER8	37.10	41.80	4.70	99	366				8	0.7	7	0.5	61	4	4.57	1.72	3.73	10	70	0.6	<2	<2
B245085	ER8	41.80	43.30	1.50	137	94				<5	0.5	54	0.5	12	8	2.03	5.06	3.29	70	10	1	<2	<2
B245084	ER8	43.30	46.30	3.00	209	114				<5	1	93	0.8	16	10	2.31	4.23	2.32	30	20	1.3	<2	3
B245083	ER8	46.30	49.30	3.00	252	74				5	0.9	19	1	20	7	3.55	5.55	2.09	10	10	1.1	<2	9
B245082	ER8	49.30	52.30	3.00	232	91				<5	0.5	9	1.2	17	9	2.83	4.29	2.38	<10	10	0.8	<2	2
B245081	ER8	52.30	54.70	2.40	152	134				5	0.5	12	<0.5	15	2	3.09	0.7	1.34	<10	30	<0.5	<2	<2
B245080	ER8	54.70	58.30	3.60	95	55				<5	<0.2	51	<0.5	5	2	3.75	2.1	1.74	<10	30	<0.5	<2	<2
B245079	ER8	58.30	61.20	2.90	258	33				<5	0.6	104	1.5	9	1	4.26	1.68	1.99	<10	30	<0.5	<2	<2
B245078	ER8	61.20	64.20	3.00	200	72				<5	0.8	60	1.1	10	2	3.54	1.48	1.78	<10	30	<0.5	<2	<2
B245077	ER8	64.20	67.20	3.00	124	60				<5	0.3	22	<0.5	6	2	4.18	1.04	2	<10	40	<0.5	<2	<2
B245076	ER8	67.20	70.25	3.05	198	52				<5	0.3	71	1	28	9	3.72	0.72	1.54	<10	50	<0.5	<2	<2
B245075	ER8	70.25	70.95	0.70	240	488				<5	1.9	83	2.2	356	2	6.06	0.22	0.99	<10	30	0.5	9	2
B245074	ER8	70.95	74.00	3.05	329	158				<5	0.9	97	1	65	3	4.94	1.49	2.39	<10	40	<0.5	6	<2
B245073	ER8	74.00	77.05	3.05	298	34				<5	<0.2	82	2.1	2	2	3.15	0.79	1.56	<10	50	<0.5	<2	<2
B245072	ER8	77.05	80.10	3.05	223	15				<5	<0.2	82	1.6	4	2	2.17	0.59	0.94	<10	40	<0.5	<2	<2
B245071	ER8	80.10	82.70	2.60	130	15				<5	<0.2	50	0.5	2	2	2.5	0.7	1.12	<10	50	<0.5	<2	<2
B245070	ER8	82.70	84.70	2.00	850	166				<5	0.8	111	9.4	162	2	7.68	0.17	1.32	<10	40	<0.5	2	<2
B245069	ER8	84.70	86.20	1.50	488	34				<5	0.6	108	2.6	8	1	2.94	0.77	1.54	<10	50	<0.5	<2	<2
B245068	ER8	86.20	89.75	3.55	693	29				<5	0.5	214	5.2	11	1	2.1	0.84	1.18	<10	50	<0.5	<2	<2
B245067	ER8	89.75	92.30	2.55	1590	76				<5	1.1	331	14.3	93	2	4.74	0.18	1.38	<10	80	0.5	2	2
B245066	ER8	92.30	95.35	3.05	1130	82				<5	0.5	463	7.5	60	1	3.39	0.14	1.32	<10	70	<0.5	2	<2
B245065	ER8	95.35	98.00	2.65	1750	97				15	1.1	689	16.4	130	3	4.34	0.47	1.12	<10	70	0.5	2	2
B245064	ER8	98.00	101.45	3.45	996	300				13	0.8	213	10.7	81	2	3.44	0.17	0.92	<10	40	<0.5	2	<2
B245063	ER8	101.45	104.45	3.00	160	20				<5	0.2	66	1	9	1	1.56	0.4	0.65	<10	40	<0.5	<2	<2
B245062	ER8	104.45	107.70	3.25	106	49				<5	<0.2	73	<0.5	4	3	1.6	0.7	0.78	<10	40	<0.5	<2	<2
B245061	ER8	107.70	110.60	2.90	469	119				6	0.7	148	3.4	51	2	3.9	0.56	1.66	<10	100	<0.5	<2	<2
B245060	ER8	110.60	113.65	3.05	489	138				<5	0.5	58	3.1	83	2	4.46	0.23	1.54	<10	100	0.5	3	<2
B245059	ER8	113.65	115.70	2.05	356	149				5	0.7	108	2.3	61	1	5.53	0.35	1.51	<10	60	0.5	3	4
B245058	ER8	115.70	119.75	4.05	239	72				<5	0.3	65	1.1	16	1	3.89	0.64	1.62	<10	50	<0.5	<2	<2
B245057	ER8	119.75	122.20	2.45	427	77				<5	0.6	174	3.8	50	2	5.12	1.09	1.98	<10	60	<0.5	2	<2
B245056	ER8	122.20	124.20	2.00	277	61				8	0.8	69	1.2	15	3	4.09	0.66	1.74	<10	80	<0.5	2	2
B245054	ER8	124.20	127.55	3.35	396	198				167	0.8	124	2.5	110	2	6.97	1	1.86	<10	40	<0.5	3	<2
B245053	ER8	127.55	129.70	2.15	295	49				136	0.5	93	2	19	2	3.68	3.73	1.92	<10	40	<0.5	<2	<2
B245052	ER8	129.70	132.50	2.80	176	91				15	1.5	52	1.1	106	4	4.67	0.75	1.64	<10	50	<0.5	14	<2
B245051	ER8	132.50	135.50	3.00	1625	223				15	1.8	100	13.5	166	3	5.51	0.56	1.1	<10	30	<0.5	11	2
B245050	ER8	135.50	137.65	2.15	368	60				<5	0.9	178	2.4	11	3	3.04	0.38	1.34	<10	30	<0.5	2	<2
B245049	ER8	137.65	139.40	1.75	251	39				<5	0.3	206	1.4	8	2	2.94	0.59	1.38	<10	30	<0.5	2	<2
B245048	ER8	139.40	141.10	1.70	429	116				<5	0.2	77	3.2	20	3	3.84	0.36	1.46	<10	50	<0.5	2	<2
B245047	ER8	141.10	144.20	3.10	40	636				11	1	20	<0.5	161	3	7.9	0.47	1.1	<10	40	<0.5	6	<2
B245046	ER8	144.20	147.00	2.80	164	245				<5	0.4	24	1	68	3	5.46	0.34	1.78	<10	40	<0.5	3	<2
B245045	ER8	147.00	148.20	1.20	71	38				<5	<0.2	8	<0.5	4	1	3.08	1	1.22	<10	30	<0.5	7	3
B245044	ER8	148.20	148.20	2.70	91	43				<5	<0.2	11	<0.5	9	2	3.39	0.89	1.27	<10	30	<0.5	7	3
B245043	ER8	150.90	152.65	1.75	125	110				<5	<0.2	8	<0.5	13	3	4.65	0.85	1.78	<10	30	<0.5	6	<2
B245042	ER8	152.65	154.30	1.65	171	617				5	0.6	11	<0.5	94	2	6.42	0.64	2.07	<10	40	<0.5	6	<2
B245041	ER8	154.30	157.35	3.05	1565	>10000	1.17			27	10.2	227	13.6	278	9	8.55	1.92	0.75	<10	40	<0.5	<2	5
B245040	ER8	157.35	160.04	2.69	692	4600				17	2.7	148	5.1	278	6	6.61	0.59	0.76	<10	40	<0.5	5	3
B245039	ER8	160.04	162.30	2.26	233	465				15	1.3	83	2	288	2	9.08	0.38	1.17	<10	30	<0.5	6	2
B245038	ER8	162.30	163.45	1.15	208	343				24	0.8	76	1.5	230	3	8.5	0.35	2.17	<10	60	<0.5	5	<2

El Rosal 2004
Diamond Drill Hole Assay and Analyses

					Zn	Cu	Cu	Zn	Pb	Au	Ag	Pb	Cd	As	Mo	Fe	Ca	Al	B	Ba	Be	Bi	Sb
					ppm	ppm	%	%	%	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm
Sample No	DDH #	From	To	metres	ME-ICP41	ME-ICP41				AU-AA24	ME-ICP41												
B245037	ER8	163.45	165.65	2.20	225	421				18	0.6	23	1.4	324	2	8.79	0.47	1.83	<10	40	<0.5	5	<2
B245036	ER8	165.65	168.70	3.05	1165	60				<5	<0.2	34	9.9	19	1	4.33	1.21	1.9	<10	60	<0.5	6	3
B245035	ER8	168.70	170.55	1.85	1595	120				<5	<0.2	87	18.6	32	1	4.17	0.98	1.89	<10	60	<0.5	4	<2
B245034	ER8	170.55	172.60	2.05	1015	113				<5	<0.2	72	9.8	17	2	3.73	0.54	1.62	<10	60	<0.5	4	<2
B245033	ER8	172.60	175.65	3.05	194	72				10	<0.2	27	0.5	39	7	3.97	1.23	1.78	<10	30	<0.5	3	<2
B245032	ER8	175.65	178.70	3.05	128	28				<5	<0.2	61	<0.5	3	3	3.46	1.28	1.54	<10	40	<0.5	7	2
B245031	ER8	178.70	181.50	2.80	321	88				<5	<0.2	87	1.6	18	2	4.4	1.64	1.8	<10	40	<0.5	7	3
B245030	ER8	181.50	184.50	3.00	85	47				<5	<0.2	36	<0.5	7	1	3.96	1.48	1.83	<10	30	<0.5	8	3
B245029	ER8	184.50	187.55	3.05	84	71				<5	<0.2	29	<0.5	9	2	4.24	2.24	2.06	<10	40	<0.5	8	3
B245028	ER8	187.55	190.85	3.30	158	202				10	0.2	27	0.8	20	6	3.45	1.77	1.56	<10	40	<0.5	6	2
B245027	ER8	190.85	193.75	2.90	133	80				6	0.2	36	0.5	6	2	3.62	0.9	1.64	<10	40	<0.5	5	2
B245026	ER8	193.75	196.80	3.05	58	77				7	<0.2	16	<0.5	2	1	2.48	0.75	1.16	<10	30	<0.5	5	<2
B245025	ER8	196.80	199.85	3.05	74	132				<5	0.2	7	<0.5	<2	2	3.91	0.95	1.7	<10	100	<0.5	7	3
B245024	ER8	199.85	203.90	4.05	58	252				6	0.6	13	<0.5	102	5	6.43	0.4	1.84	<10	50	<0.5	3	<2
B245023	ER8	203.90	206.95	3.05	52	188				<5	0.5	6	<0.5	69	2	6.36	0.2	2.16	<10	60	<0.5	3	<2
B245022	ER8	206.95	210.00	3.05	26	515				5	0.5	5	<0.5	201	6	7.87	0.29	1.64	<10	50	<0.5	4	2
B245021	ER8	210.00	213.05	3.05	68	328				<5	0.4	10	<0.5	70	2	6.75	0.53	2.14	<10	60	<0.5	3	<2
B245020	ER8	213.05	216.00	2.95	59	91				<5	<0.2	6	<0.5	4	8	3.72	1.46	1.65	<10	70	<0.5	7	2
B245019	ER8	216.00	219.05	3.05	54	73				<5	<0.2	5	<0.5	<2	3	3.4	1.35	1.46	<10	50	<0.5	7	3
B245018	ER8	219.05	222.10	3.05	42	84				12	0.2	6	<0.5	60	4	3.66	2.85	1.48	<10	20	0.5	5	<2
B245017	ER8	222.10	224.95	2.85	68	50				<5	<0.2	10	<0.5	10	4	3.9	2.29	1.87	<10	30	<0.5	6	3
B245016	ER8	224.95	228.05	3.10	68	241				<5	0.2	7	<0.5	14	2	3.39	1.52	1.72	<10	30	<0.5	6	2
B245015	ER8	228.05	231.10	3.05	56	440				14	1.2	12	<0.5	72	3	4.23	2.17	1.5	<10	40	<0.5	5	3
B245014	ER8	231.10	233.20	2.10	75	433				6	0.5	6	<0.5	25	2	4.46	1	1.78	<10	50	<0.5	2	<2
B245013	ER8	233.20	236.10	2.90	74	335				<5	0.6	8	<0.5	2	2	3.86	1.28	1.68	<10	60	<0.5	7	3
B245012	ER8	236.10	237.35	1.25	54	52				<5	<0.2	6	<0.5	6	3	3.23	1.92	2.06	<10	20	<0.5	7	3
B245011	ER8	237.35	240.00	2.65	48	78				<5	<0.2	8	<0.5	7	2	2.88	1.44	1.61	<10	80	<0.5	6	3
B245010	ER8	240.00	243.45	3.45	57	41				<5	<0.2	7	<0.5	3	6	3.7	1.28	1.72	<10	40	<0.5	10	3
B245009	ER8	243.45	246.50	3.05	58	86				<5	<0.2	4	<0.5	10	4	3.77	1.62	1.8	<10	30	<0.5	8	3
B245008	ER8	246.50	249.55	3.05	62	59				<5	<0.2	7	<0.5	2	10	4.08	1.26	1.92	<10	40	<0.5	9	4
B245007	ER8	249.55	252.60	3.05	94	140				<5	0.2	10	<0.5	7	14	5.08	2.25	2.31	<10	40	<0.5	8	4
B245006	ER8	252.60	255.65	3.05	81	56				13	<0.2	10	<0.5	69	3	4.72	3.81	2.33	<10	20	0.5	8	4
B245005	ER8	255.65	258.70	3.05	68	20				<5	<0.2	5	<0.5	7	2	4	1.86	2.05	<10	10	<0.5	8	2
B245004	ER8	258.70	261.75	3.05	88	70				<5	<0.2	11	<0.5	10	2	3.53	1.04	1.58	<10	20	<0.5	7	3
B245003	ER8	261.75	264.80	3.05	72	33				<5	<0.2	11	<0.5	4	3	3.37	1.16	1.59	<10	40	<0.5	6	2
B245002	ER8	264.80	267.85	3.05	112	97				<5	0.2	15	<0.5	4	48	3.93	1.37	1.84	<10	30	<0.5	8	3
B245001	ER8	267.85	270.00	2.15	104	71				<5	<0.2	11	<0.5	6	3	3.82	1.22	1.85	<10	50	<0.5	7	4
B245256	ER9	110.65	113.00	2.35	60	14				<5	0.4	53	<0.5	35	2	2.81	0.94	1.06	<10	20	<0.5	<2	<2
B245257	ER9	113.00	115.20	2.20	56	12				<5	0.4	55	<0.5	16	2	2.09	0.82	0.92	<10	10	<0.5	<2	2
B245258	ER9	131.35	133.50	2.15	29	71				<5	0.2	10	<0.5	15	2	4.99	2.08	3.12	<10	110	<0.5	<2	<2
B245259	ER9	133.50	135.60	2.10	27	69				<5	<0.2	8	<0.5	28	2	5.28	1.77	3.36	<10	90	<0.5	<2	<2
B245260	ER9	279.00	281.35	2.35	>10000	67	2.69			8	2.7	62	102.5	47	5	4.88	16.2	2.01	<10	10	0.6	43	4
B245261	ER9	281.35	284.40	3.05	359	25				<5	1.6	79	<0.5	39	2	4.63	13.6	2.03	<10	8	11	33	
B245262	ER9	284.40	286.75	2.35	2330	83				<5	2.1	104	7.7	43	5	4.93	13.6	2.46	90	<10	0.5	8	15
B245263	ER9	288.35	290.50	2.15	2030	441				11	4.9	148	8.1	90	7	3.38	11.65	1.74	170	<10	0.7	34	71
B245264	ER9	290.50	293.55	3.05	5000	319				<5	1.5	93	23.3	57	5	2.19	7.63	1.39	330	<10	0.6	7	13
B245265	ER9	293.55	296.60	3.05	1555	218				<5	1.5	115	7.2	47	12	3.88	9.61	1.93	10	<10	0.5	2	6
B245266	ER9	296.60	299.65	3.05	263	310				<5	0.8	13	0.7	491	7	2.63	3.75	3.25	10	30	0.7	<2	2
B245267	ER9	299.65	302.70	3.05	523	172				5	0.8	43	1.7	250	14	3.54	4.7	2.89	10	70	0.5	<2	3
B245268	ER9	302.70	321.00	18.30	41	113				6	0.2	12	<0.5	97	5	4.58	2.53	2.78	10	70	0.5	<2	2
B245269	ER9	321.00	335.10	14.10	103	132				<5	<0.2	8	<0.5	103	14	2.24	4.58	4.14	30	30	0.6	<2	2
B245270	ER9	335.10	337.55	2.45	497	201				5	0.3	9	1.9	143	22	2.37	4.34	3.31	10	20	0.6	<2	5
B245271	ER9	337.55	341.20	3.65	57	200				10	0.2	19	<0.5	52	6	5.41	10.5	2.11	10	10	<0.5		

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					Zn	Cu	Cu	Zn	Pb	Au	Ag	Pb	Cd	As	Mo	Fe	Ca	Al	B	Ba	Be	Bi	Sb
					ppm	ppm	%	%	%	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm
Sample No	DDH #	From	To	metres	ME-ICP41	ME-ICP41				AU-AA24	ME-ICP41												
B245092	RA1	14.30	16.85	2.55	118	12				<5	0.7	67	<0.5	21	4	2.49	2.78	1.06	<10	20	0.9	2	4
B245093	RA1	16.85	18.80	1.95	158	28				<5	1	118	<0.5	39	7	3.73	4.85	1.6	10	20	1.7	3	8
B245094	RA1	18.80	21.10	2.30	142	44				5	1.6	82	<0.5	43	16	3.55	5.16	1.56	10	20	0.8	<2	2
B245095	RA1	21.10	23.50	2.40	31	146				<5	1.5	24	<0.5	24	3	1.9	2.15	1.78	<10	20	1	<2	<2
B245096	RA1	23.50	25.80	2.30	13	33				<5	1	17	<0.5	12	2	1.46	1.1	1.36	<10	20	0.6	<2	2
B245097	RA1	25.80	28.50	2.70	15	27				<5	0.4	12	<0.5	12	2	1.32	1.38	0.9	<10	10	<0.5	<2	<2
B245098	RA1	28.50	30.85	2.35	13	19				<5	1.3	10	<0.5	11	2	1.04	0.93	0.62	<10	10	<0.5	<2	<2
B245099	RA1	30.85	33.60	2.75	11	25				<5	0.4	16	<0.5	7	2	1.54	1.24	1.26	<10	10	<0.5	<2	2
B245100	RA1	33.60	37.35	3.75	10	28				<5	0.3	11	<0.5	7	2	1.66	0.93	0.79	<10	10	<0.5	<2	3
B245101	RA1	37.35	39.95	2.60	12	45				5	0.5	6	<0.5	15	1	1.92	1.26	0.96	<10	20	<0.5	<2	<2
B245102	RA1	39.95	42.65	2.70	22	59				<5	0.6	9	<0.5	59	18	1.64	2.07	1.24	<10	20	0.6	<2	2
B245103	RA1	42.65	43.35	0.70	>10000	>10000	3.1	12.25		31	48.6	15	>500	340	15	14.8	9.55	0.99	<10	<10	<0.5	39	7
B245104	RA1	43.35	47.90	4.55	214	136				<5	1	8	1.4	21	2	1.54	3.31	0.97	<10	10	0.5	<2	3
B245105	RA1	47.90	51.25	3.35	104	2290				16	5.2	9	0.8	56	82	8.27	14.6	2.08	<10	<10	0.7	13	2
B245106	RA1	51.25	52.53	1.28	130	7090				7	6.2	<2	<0.5	74	6	23.6	12.6	1.37	<10	<10	1.4	9	<2
B245107	RA1	52.53	53.90	1.37	174	>10000	1.27			21	22.4	10	<0.5	81	4	22.9	11.35	1.5	<10	<10	1.3	29	3
B245108	RA1	53.90	55.20	1.30	105	16				<5	<0.2	10	0.5	104	1	1.07	20.2	1.38	60	<10	0.9	13	7
B245207	RA1	55.20	58.25	3.05	87	13				<5	0.4	89	0.6	15	1	0.23	24.2	0.67	50	10	<0.5	<2	5
B245208	RA1	58.25	61.30	3.05	38	17				<5	0.2	12	<0.5	10	1	0.22	24.2	0.69	20	10	<0.5	<2	3
B245209	RA1	61.30	64.35	3.05	97	67				<5	0.4	46	<0.5	19	2	0.17	>25.0	0.63	10	30	<0.5	<2	6
B245210	RA1	64.35	65.80	1.45	11	6				<5	0.2	11	<0.5	14	1	0.11	24.4	0.81	10	<10	<0.5	<2	2
B245211	RA1	65.80	69.05	3.25	67	55				<5	0.3	11	0.6	26	6	0.39	21.1	1.05	20	<10	0.6	4	11
B245212	RA1	69.05	73.50	4.45	33	11				<5	0.5	28	<0.5	16	1	0.33	>25.0	0.62	20	10	<0.5	<2	4
B245213	RA1	73.50	76.50	3.00	20	5				<5	0.3	17	<0.5	12	<1	0.16	23.8	1.12	10	10	<0.5	<2	2
B245214	RA1	76.50	79.55	3.05	10	6				<5	0.3	31	<0.5	9	<1	0.15	>25.0	0.87	10	<10	<0.5	<2	<2
B245215	RA1	79.55	82.60	3.05	64	9				<5	0.4	95	0.6	5	1	0.17	20.2	0.81	270	10	<0.5	<2	3
B245216	RA1	82.60	85.65	3.05	28	6				<5	0.5	52	<0.5	12	1	0.2	23	0.94	40	10	<0.5	<2	4
B245217	RA1	85.65	88.35	2.70	27	7				11	0.4	9	<0.5	32	2	0.52	18.2	1.45	50	<10	1	<2	7
B245218	RA1	88.35	91.75	3.40	116	6				<5	0.7	90	0.8	38	5	0.5	19.8	1.21	40	10	0.9	3	5
B245219	RA1	91.75	94.80	3.05	28	4				<5	0.5	64	<0.5	17	1	0.34	>25.0	0.97	30	30	0.5	<2	3
B245220	RA1	94.80	97.85	3.05	66	6				<5	0.6	60	<0.5	30	<1	0.37	>25.0	0.84	20	30	<0.5	<2	3
B245221	RA1	97.85	100.80	2.95	76	7				<5	0.6	26	<0.5	22	<1	0.54	>25.0	1.18	60	20	0.5	<2	2
B245222	RA1	100.80	103.20	2.40	12	4				<5	0.3	11	<0.5	20	<1	0.36	>25.0	1.08	10	10	<0.5	<2	2
B245109	RA1	103.20	105.85	2.65	10	6				<5	<0.2	14	<0.5	24	1	0.17	23	0.67	110	10	0.5	<2	4
B245110	RA1	105.85	107.00	1.15	1265	107				18	0.5	28	12.6	102	27	0.65	9.47	3	290	10	0.5	5	10
B245111	RA1	107.00	110.05	3.05	634	85				5	0.2	6	5.5	57	2	3.49	11.6	2.31	120	<10	0.9	3	7
B245112	RA1	110.05	113.10	3.05	20	12				<5	<0.2	8	<0.5	30	8	0.76	10.7	2.88	600	20	1.8	<2	12
B245113	RA1	113.10	113.80	0.70	36	1670				6	1.7	12	<0.5	102	2	6.63	16	2.58	10	30	<0.5	19	3
B245114	RA1	113.80	116.15	2.35	30	11				<5	<0.2	8	<0.5	9	2	1.28	0.76	0.61	<10	20	<0.5	<2	<2
B245115	RA1	116.15	119.20	3.05	32	7				<5	<0.2	6	<0.5	14	1	1.34	0.84	0.68	<10	10	<0.5	<2	2
B245116	RA1	119.20	122.25	3.05	22	6				<5	<0.2	4	<0.5	14	<1	1.18	0.73	0.59	<10	20	<0.5	<2	<2
B245117	RA1	122.25	125.30	3.05	24	3				<5	<0.2	4	<0.5	13	<1	1.38	0.75	0.65	<10	20	<0.5	<2	<2
B245118	RA1	125.30	128.35	3.05	24	3				<5	<0.2	6	<0.5	9	1	1.36	0.77	0.61	<10	20	<0.5	<2	<2
B245119	RA1	128.35	131.70	3.35	23	3				<5	<0.2	5	<0.5	7	1	1.44	0.75	0.66	<10	20	<0.5	<2	<2
B245120	RA1	131.70	134.50	2.80	7	25				5	0.2	27	<0.5	7	1	0.35	0.59	0.24	<10	30	0.5	<2	<2
B245121	RA1	134.50	137.50	3.00	15	37				5	0.3	38	<0.5	14	3	0.51	1.22	0.3	<10	50	<0.5	<2	<2
B245122	RA1	137.50	141.05	3.55	25	40				6	0.3	24	<0.5	12	3	0.64	0.75	0.37	<10	50	<0.5	<2	<2
B245187	RA1	141.05	144.45	3.40	20	19				<5	0.4	20	<0.5	7	1	0.39	0.81	0.28	<10	40	<0.5	<2	<2
B245188	RA1	144.45	146.65	2.20	31	18				<5	<0.2	16	<0.5	17	4	0.92	10.6	0.87	730	20	0.7	<2	<2
B245189	RA1	146.65	149.70	3.05	25	18				<5	0.2	14	<0.5	10	31	0.23	18.8	1.31	170	20	1.1	<2	<2
B245190	RA1	149.70	151.35	1.65	67	17				<5	<0.2	29	0.6	11	8	0.29	15.4	1.7	860	20	1	<2	2
B245191	RA1	151.35	156.40	5.05	30	33				<5	0.4	24	0.5	5	3	0.67	1.7	0.4	50	40	<0.5	<2	<2
B245192	RA1	156.40	159.30	2.90	44	32				<5	0.2	14	0.5	9	4	0.71	6.63	0.78	270	30	0.5	<2	<2
B245193	RA1	159.30	161.90	2.60	34</																		

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					Zn	Cu	Cu	Zn	Pb	Au	Ag	Pb	Cd	As	Mo	Fe	Ca	Al	B	Ba	Be	Bi	St
					ppm	ppm	%	%	%	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm
Sample No	DDH #	From	To	metres	ME-ICP41	ME-ICP41				AU-AA24	ME-ICP41												
B245196	RA1	165.75	166.25	0.50	2190	1990				654	2.5	25	105	166	1	7.91	17.4	1.86	540	10	0.7	25	13
B245197	RA1	166.25	168.00	1.75	304	102				29	0.6	4	2.4	30	1	0.41	24.7	0.7	280	<10	<0.5	<2	6
B245198	RA1	168.00	171.05	3.05	1385	315				17	1.2	23	13.8	54	1	0.51	24.9	0.89	250	20	<0.5	<2	3
B245199	RA1	171.05	174.10	3.05	80	28				<5	0.3	2	0.6	15	1	0.29	24.8	0.81	150	<10	<0.5	<2	2
B245200	RA1	174.10	177.15	3.05	232	123				<5	0.6	42	1.4	18	3	0.42	>25.0	1.14	40	40	<0.5	<2	4
B245201	RA1	177.15	180.20	3.05	186	50				<5	0.2	5	1.5	16	2	0.3	>25.0	1.44	170	<10	<0.5	<2	2
B245202	RA1	180.20	182.15	1.95	26	6				<5	0.2	21	<0.5	6	1	0.14	13.95	0.54	1520	<10	<0.5	<2	<2
B245203	RA1	182.15	184.55	2.40	21	7				<5	<0.2	15	<0.5	7	4	0.17	14.4	1.16	460	<10	0.5	<2	2
B245204	RA1	184.55	185.60	1.05	4820	1280				7	6.9	19	69.3	130	2	1.62	17.5	1.7	2750	<10	0.6	6	156
B245205	RA1	185.60	188.30	2.70	24	18				<5	0.3	15	<0.5	8	3	0.44	10.3	4.29	160	10	1.6	<2	4
B245206	RA1	188.30	190.70	2.40	24	44				<5	0.5	24	<0.5	12	17	1.14	3.05	3.17	80	20	1.4	<2	3
B245123	RA1	190.70	193.52	2.82	34	19				<5	0.2	60	0.6	4	3	0.33	1.32	0.25	280	40	<0.5	<2	<2
B245124	RA1	193.52	194.70	1.18	29	125				8	0.4	23	0.6	23	10	1.2	2.25	1.06	100	30	0.5	<2	<2
B245125	RA1	194.70	196.10	1.40	172	122				9	0.5	11	1.6	24	2	0.67	16.4	1	80	<10	1	<2	5
B245126	RA1	196.10	196.95	0.85	854	225				7	0.7	12	7.7	39	1	0.98	12.05	1.7	280	<10	1	4	5
B245127	RA1	196.95	197.50	0.55	391	1620				17	2.5	11	3.6	58	5	1.76	10.95	1.84	600	<10	0.9	15	5
B245128	RA1	197.50	199.05	1.55	945	427				16	0.9	9	7.8	83	7	1.86	12.55	2.89	310	10	1.8	25	12
B245129	RA1	199.05	201.95	2.90	2800	1440				42	4.1	10	29.7	124	4	2.19	14.2	2.24	110	<10	1.2	41	18
B245130	RA1	201.95	203.55	1.60	9890	2910				152	7.3	20	162.5	124	2	1.98	14.1	2.01	550	<10	1	21	29
B245131	RA1	203.55	205.25	1.70	1170	542				13	1	7	13.5	41	4	0.76	16	1.13	440	<10	0.7	<2	4
B245156	RA1	205.25	207.25	2.00	642	153				<5	0.3	10	6.7	48	4	0.59	18	1.36	300	<10	0.8	2	<2
B245157	RA1	207.25	209.20	1.95	112	50				33	<0.2	2	0.8	14	2	0.33	22.2	0.74	160	<10	<0.5	2	<2
B245158	RA1	209.20	212.20	3.00	186	77				10	0.5	16	1.3	41	1	0.53	22.3	1.22	50	<10	0.6	40	3
B245159	RA1	212.20	214.45	2.25	323	16				16	<0.2	2	2.3	59	2	0.85	21.2	2.22	70	<10	0.9	7	2
B245160	RA1	214.45	216.90	2.45	279	64				<5	<0.2	4	2.1	25	4	0.5	>25.0	0.9	90	<10	0.6	2	<2
B245161	RA1	216.90	219.25	2.35	997	347				11	1.6	18	10.6	64	4	1.34	19.2	2.36	250	<10	1.5	5	2
B245162	RA1	219.25	221.80	2.55	323	100				6	0.2	2	2.5	25	4	0.59	>25.0	1.01	100	<10	0.5	3	<2
B245163	RA1	221.80	224.50	2.70	429	249				14	0.4	3	4.1	22	3	0.61	23.6	1.08	220	10	0.6	2	<2
B245164	RA1	224.50	227.60	3.10	63	30				<5	<0.2	2	0.5	24	1	0.6	>25.0	1.16	40	<10	<0.5	<2	<2
B245165	RA1	227.60	229.80	2.20	41	15				<5	<0.2	5	<0.5	17	<1	0.54	>25.0	1.12	80	<10	0.5	<2	<2
B245166	RA1	229.80	232.05	2.25	66	17				<5	<0.2	9	0.5	23	<1	0.5	>25.0	1.2	90	10	0.7	<2	<2
B245167	RA1	232.05	235.10	3.05	112	52				<5	<0.2	4	0.8	25	1	0.56	24.1	1.41	320	<10	0.8	2	<2
B245168	RA1	235.10	238.15	3.05	29	21				<5	<0.2	2	<0.5	11	1	0.28	>25.0	0.6	160	<10	<0.5	<2	<2
B245169	RA1	238.15	241.20	3.05	57	32				<5	<0.2	4	<0.5	21	1	0.37	>25.0	0.96	340	10	<0.5	<2	<2
B245170	RA1	241.20	243.30	2.10	272	207				9	0.2	4	2.9	35	1	0.54	24.6	1.34	80	<10	0.6	2	35
B245171	RA1	243.30	244.80	1.50	32	68				<5	0.3	2	<0.5	35	10	0.65	20.6	1.64	170	10	0.9	<2	3
B245172	RA1	244.80	246.55	1.75	85	134				<5	0.2	4	0.8	35	1	0.84	24.6	1.08	280	<10	0.5	<2	5
B245173	RA1	246.55	248.30	1.75	132	70				<5	<0.2	17	1.4	16	1	0.44	>25.0	0.83	240	10	<0.5	<2	<2
B245174	RA1	248.30	250.75	2.45	93	32				<5	<0.2	2	1.2	17	3	0.38	24.9	0.95	140	10	<0.5	<2	<2
B245175	RA1	250.75	253.20	2.45	282	146				6	0.2	3	3.5	16	2	0.54	22.9	0.8	120	20	<0.5	<2	<2
B245176	RA1	253.20	256.50	3.30	90	64				11	0.2	4	0.8	26	4	0.95	24	1.4	280	<10	0.7	5	<2
B245177	RA1	256.50	258.10	1.60	226	136				13	1.5	4	2	82	6	1.3	>25.0	1.36	70	10	0.9	22	<2
B245178	RA1	258.10	258.95	0.85	1870	4150				58	11.7	21	18	1410	2	6.12	24	2.31	60	10	0.9	194	5
B245179	RA1	258.95	262.05	3.10	128	106				5	0.4	3	1	34	4	0.85	24.8	1.09	50	10	0.7	2	3
B245180	RA1	262.05	264.80	2.75	122	115				<5	0.3	6	1.1	43	1	1.14	>25.0	0.91	20	10	0.5	11	21
B245181	RA1	264.80	267.90	3.10	176	69				<5	0.3	4	1.4	26	3	0.91	>25.0	1.08	10	10	0.8	<2	<2
B245182	RA1	267.90	270.95	3.05	280	159				5	0.7	6	2.3	25	<1	0.99	>25.0	1.39	20	10	0.8	<2	<2
B245183	RA1	270.95	274.00	3.05	322	274				8	1.1	4	3.8	14	1	0.5	>25.0	0.82	10	<10	0.5	<2	2
B245184	RA1	274.00	276.25	2.25	55	46				33	<0.2	3	<0.5	14	<1	0.68	>25.0	0.78	10	10	0.5	<2	<2
B245185	RA1	276.25	278.20	1.95	56	47				12	<0.2	4	<0.5	9	1	0.4	>25.0	0.69	10	10	<0.5	<2	<2
B245186	RA1	278.20	280.65	2.45	55	21				<5	<0.2	16	0.5	17	<1	0.24	>25.0	0.52	10	10	<0.5	<2	<2
B245187	RA1	280.65	282.57	1.92	232	254				<5	1	9	2.3	31	1	0.43	21.9	1.05	20	20	<0.5	<2	4
B245188	RA1	282.57	285.00	2.43	573	292				<5	1.3	6	5.2	45	<1	0.86	20	1.76	20	<10	0.6	<2	6
B245189																							

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					Zn	Cu	Cu	Zn	Pb	Au	Ag	Pb	Cd	As	Mo	Fe	Ca	Al	B	Ba	Be	Bi	Sb
					ppm	ppm	%	%	%	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm
Sample No	DDH #	From	To	metres	ME-ICP41	ME-ICP41				Au-AA24	ME-ICP41												
B245137	RA1	292.70	295.75	3.05	43	21				10	0.8	4	<0.5	41	<1	2.85	21.8	1.7	10	10	<0.5	<2	2
B245138	RA1	295.75	298.80	3.05	42	61				<5	0.2	4	<0.5	32	4	1.3	11	2.61	210	50	0.7	<2	2
B245139	RA1	298.80	301.85	3.05	39	26				5	<0.2	2	<0.5	26	<1	1.28	15.2	2.49	470	10	0.6	<2	<2
B245140	RA1	301.85	304.90	3.05	55	25				<5	0.6	8	<0.5	32	1	2.52	17.5	2.33	260	10	0.7	<2	3
B245141	RA1	304.90	306.05	1.15	40	7				<5	0.2	14	<0.5	22	<1	0.87	18.9	2.73	140	10	0.7	<2	3
B245142	RA1	306.05	307.70	1.65	39	124				12	1.4	4	<0.5	115	1	4.3	19.6	1.72	60	<10	<0.5	<2	3
B245143	RA1	307.70	310.10	2.40	73	134				6	1.1	4	0.5	65	<1	2.98	22.3	1.27	70	<10	<0.5	<2	28
B245144	RA1	310.10	310.75	0.65	239	24				39	1	25	<0.5	50	2	5.2	19.4	3.01	150	10	0.9	<2	3
B245145	RA1	310.75	312.70	1.95	220	51				<5	0.5	110	2.3	7	4	0.65	3.1	0.51	<10	20	<0.5	<2	<2
B245146	RA1	312.70	315.40	2.70	888	67				6	0.3	516	4.1	18	4	0.84	2.59	0.61	<10	60	0.5	<2	<2
B245147	RA1	315.40	317.10	1.70	389	68				<5	<0.2	129	2.3	13	1	1.34	3.18	0.94	<10	20	0.5	<2	<2
B245148	RA1	317.10	320.15	3.05	32	2				<5	0.3	31	<0.5	50	<1	1.12	4.2	0.81	<10	20	<0.5	<2	2
B245149	RA1	320.15	323.05	2.90	57	10				5	0.2	10	<0.5	38	1	1.45	2.93	0.8	<10	20	<0.5	<2	<2
B245150	RA1	323.05	326.05	3.00	489	18				19	0.9	147	5	96	1	1.52	4.58	0.61	<10	30	<0.5	<2	<2
B245151	RA1	326.05	328.95	2.90	104	19				<5	0.2	41	0.7	14	2	2.82	2.23	1.42	<10	30	<0.5	<2	<2
B245152	RA1	328.95	331.75	2.80	56	14				<5	<0.2	6	<0.5	5	2	3.81	1.94	1.82	<10	30	<0.5	<2	<2
B245153	RA1	331.75	334.60	2.85	124	9				6	<0.2	26	<0.5	44	1	3.76	3.36	1.7	<10	30	<0.5	2	<2
B245154	RA1	334.60	337.40	2.80	99	10				<5	<0.2	22	<0.5	16	1	4.03	2.48	1.88	<10	40	<0.5	<2	<2
B245155	RA1	337.40	340.45	3.05	291	65				7	0.3	29	2.4	16	1	3.91	2.54	1.86	<10	20	<0.5	<2	<2
B245275	RA3	23.95	27.45	3.50	69	90				<5	0.3	9	<0.5	3	2	4.26	2.67	1.11	<10	80	<0.5	<2	<2
B245276	RA3	27.45	30.50	3.05	60	42				<5	0.2	10	<0.5	2	1	3.94	1.98	1.15	10	110	<0.5	<2	<2
B245277	RA3	30.50	33.55	3.05	42	31				<5	<0.2	8	<0.5	31	2	4.51	2.18	1.43	10	140	<0.5	<2	<2
B245278	RA3	33.55	36.60	3.05	20	20				<5	<0.2	5	<0.5	4	1	4.14	2.3	1.35	<10	90	<0.5	<2	<2
B245279	RA3	36.60	39.65	3.05	21	19				<5	<0.2	6	<0.5	2	1	4.31	2.89	1.84	<10	110	<0.5	<2	<2
B245280	RA3	39.65	42.70	3.05	21	15				<5	<0.2	5	<0.5	<2	2	4.28	2.44	1.71	<10	110	<0.5	<2	<2
B245281	RA3	42.70	45.75	3.05	30	16				<5	<0.2	4	<0.5	6	2	4.42	2.45	1.75	<10	130	<0.5	<2	<2
B245282	RA3	45.75	48.80	3.05	43	14				<5	<0.2	4	<0.5	<2	1	4.27	2.32	1.86	<10	130	<0.5	<2	<2
B245283	RA3	48.80	51.85	3.05	60	13				<5	<0.2	5	<0.5	6	1	4.37	1.92	1.43	<10	150	<0.5	<2	2
B245284	RA3	51.85	54.90	3.05	75	12				<5	<0.2	11	<0.5	<2	2	4.57	2.22	1.61	<10	190	<0.5	<2	<2
B245285	RA3	54.90	58.40	3.50	51	11				<5	<0.2	9	<0.5	<2	1	4.13	2.01	1.45	<10	130	<0.5	<2	<2
B245286	RA3	58.40	61.55	3.15	52	13				<5	0.2	6	<0.5	2	2	4	1.86	1.4	<10	80	<0.5	<2	<2
B245287	RA3	64.95	67.20	2.25	63	36				<5	0.4	6	0.5	110	1	4.39	4.96	1.79	<10	40	<0.5	<2	<2
B245288	RA3	67.20	70.25	3.05	73	25				16	0.4	7	<0.5	248	2	4.14	4.46	1.77	<10	40	<0.5	<2	<2
B245289	RA3	70.25	72.25	2.00	82	21				8	0.4	7	<0.5	170	2	4.35	3.52	2.08	<10	40	<0.5	<2	<2
B245290	RA3	72.40	75.40	3.00	91	11				<5	0.2	7	0.8	25	5	4.63	3.28	2.14	<10	50	<0.5	<2	<2
B245291	RA3	75.40	78.40	3.00	82	9				<5	0.2	8	0.5	104	2	4.9	3.32	2.08	<10	80	<0.5	<2	2
B245292	RA3	78.40	81.40	3.00	80	14				<5	0.2	6	0.7	74	5	4.5	4.04	2.16	<10	40	<0.5	<2	<2
B245293	RA3	83.85	86.90	3.05	45	26				9	0.7	10	0.7	111	3	4.32	6.59	1.86	<10	50	0.8	<2	3
B245294	RA3	86.90	90.05	3.15	43	24				<5	0.2	5	<0.5	268	2	3.54	6.06	1.67	<10	60	0.8	2	<2
B245295	RA3	90.05	93.00	2.95	48	16				33	0.9	8	<0.5	152	3	3.41	6.53	1.42	<10	50	0.6	4	<2
B245296	RA3	94.10	96.15	2.05	619	39				18	0.8	16	10.2	216	30	3.21	11.8	2.05	10	90	1.8	<2	2
B245297	RA3	96.15	99.20	3.05	597	58				<5	1.5	143	5.4	128	16	4.25	11.9	1.86	10	40	1	4	2
B245298	RA3	99.20	102.25	3.05	195	34				<5	0.6	39	1.7	100	13	3.52	14.1	2.46	10	40	1.4	<2	3
B245299	RA3	102.25	105.30	3.05	866	9				<5	1.2	1195	7	98	14	1.88	17.3	2.67	10	40	1.4	5	6
B245300	RA3	105.30	108.35	3.05	304	29				5	0.6	160	3	97	67	2.31	13.45	1.84	10	50	1	5	2
B245301	RA3	108.35	111.40	3.05	700	7				<5	0.5	21	6.1	218	20	2.35	16.6	2.45	10	20	1.4	3	7
B245302	RA3	111.40	114.45	3.05	616	9				<5	0.2	4	5.5	156	76	2.3	17.3	2.24	10	20	1	<2	2
B245303	RA3	114.45	117.50	3.05	636	9				<5	<0.2	17	8.5	34	51	2.58	17.4	2.35	10	30	1.4	<2	<2
B245304	RA3	117.50	120.55	3.05	750	8				<5	0.3	98	8	41	22	2.21	14.55	2	<10	30	1.2	<2	<2
B245305	RA3	120.55	122.10	1.55	420	2				<5	0.2	34	4.7	50	32	1.99	12.35	2.16	<10	30	1.1	<2	<2
B245306	RA3	122.10	125.15	3.05	420	4				<5	<0.2	22	5.1	19	65	2.03	13.65	2.24	110	20	1	<2	<2
B245307	RA3	125.15	127.35	2.20	293	5				<5	<0.2	17	3.9	42	49	1.7	12.05	1.82	10	30	1.1	2	<2
B245308	RA3	127.35	131.25	3.90	244	8				<5	0.2	11	3.6	19	34	2.03	7.38	1.52	10	40	0.7	2	<2
B245309	RA3	131.25	134.30	3.05</																			

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					Zn	Cu	Cu	Zn	Pb	Au	Ag	Pb	Cd	As	Mo	Fe	Ca	Al	B	Ba	Be	Bi	Sb
					ppm	ppm	%	%	%	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm
Sample No	DDH #	From	To	metres	ME-ICP41	ME-ICP41				AU-AA24	ME-ICP41												
B245312	RA3	140.40	141.70	1.30	2370	40				6	0.5	168	29.9	52	15	3.79	7.82	1.47	<10	80	0.6	<2	<2
B245313	RA3	164.80	167.85	3.05	973	82				26	8.3	220	11	122	5	2.76	17	1.5	10	30	0.7	4	2
B245314	RA3	167.85	170.90	3.05	2570	162				39	13.8	330	33.7	278	13	3.83	11.95	0.83	<10	40	0.7	7	<2
B245315	RA3	170.90	173.95	3.05	428	54				11	2.7	61	5.2	124	19	2.79	16.7	1.66	10	40	1.1	3	4
B245316	RA3	173.95	177.00	3.05	731	158				63	2.8	186	7.9	482	50	3.05	13.7	0.79	10	40	0.8	2	2
B245317	RA3	177.00	180.05	3.05	406	174				19	2.2	77	4.4	174	19	4.74	11	1.68	10	50	1.1	5	3
B245318	RA3	184.35	186.70	2.35	983	33				13	1.2	22	13.7	147	25	7.12	12.9	2.43	<10	70	1	<2	4
B245319	RA3	192.85	194.60	1.75	524	304				22	0.4	19	5.2	133	7	22.8	8.26	3.95	<10	20	1.1	7	<2
B245320	RA3	195.75	199.80	4.05	741	172				20	1.7	37	9.4	219	11	11.4	8.58	2.6	10	40	1.3	40	<2
B245321	RA3	206.80	208.95	2.15	104	38				<5	0.2	24	0.8	44	2	8.05	2.66	2.23	<10	40	1	<2	<2
B245322	RA3	209.60	212.00	2.40	229	50				<5	0.3	130	3.5	18	2	5.54	3.43	2.01	<10	70	0.6	2	2
B245323	RA3	212.00	215.05	3.05	201	26				<5	0.2	71	2.3	14	1	4.69	3.5	2.14	<10	60	<0.5	2	<2
B245324	RA3	215.05	218.00	2.95	191	20				<5	0.2	62	2.6	25	1	4.67	2.41	1.98	<10	60	0.5	<2	<2
B245325	RA3	218.00	219.70	1.70	79	62				<5	0.4	14	<0.5	122	3	8.53	1.66	2.81	<10	40	1.1	2	<2
B245326	RA3	222.75	225.80	3.05	106	48				137	1	18	1.2	3650	4	4.78	1.6	1.73	10	60	1.2	2	9
B245327	RA3	229.00	231.80	2.80	451	317				41	2	76	5.1	2840	7	3.89	4.87	1.87	10	50	0.8	2	3
B245328	RA3	231.80	234.00	2.20	105	29				<5	0.3	18	1.5	315	3	4.21	2.9	2.07	10	80	0.6	2	4
B245329	RA3	234.00	236.35	2.35	83	21				<5	0.3	10	1	257	2	4.15	2.39	1.94	10	60	0.5	<2	<2
B245330	RA3	236.35	237.20	0.85	1270	205				133	3.7	1040	14.8	2720	10	6.85	1.22	1.2	<10	50	0.6	3	15
B245331	RA3	237.20	241.05	3.85	140	18				<5	0.3	17	1.8	152	1	4.12	2.25	1.9	10	30	0.5	<2	<2
B245332	RA3	241.05	244.10	3.05	145	17				<5	0.3	10	2.1	25	2	3.91	2.82	1.76	10	40	<0.5	2	<2
B245333	RA3	244.10	247.15	3.05	230	18				<5	0.8	61	3	21	1	4.06	3.12	1.91	10	120	<0.5	4	<2
B245334	RA3	247.15	250.90	2.00	168	32				<5	0.4	75	2.2	55	2	3.83	2.39	1.77	10	60	0.5	<2	<2
B245335	RA3	250.90	251.20	0.30	>10000	794	4.65	2.47	77	43.5	>10000	>500	1035	5	37.2	3.02	3.93	<10	10	<0.5	16	26	
B245336	RA3	251.20	253.25	2.05	1370	60				24	1.6	676	16	1270	2	4.39	2.21	1.52	10	40	<0.5	2	42
B245337	RA3	253.25	256.30	3.05	1110	83				16	1.3	552	16	245	3	4.22	3.44	1.3	<10	60	0.5	2	3
B245338	RA3	256.30	259.35	3.05	597	81				7	0.6	267	6.6	63	4	3.79	2.49	1.82	10	140	0.5	2	2
B245339	RA3	259.35	262.40	3.05	250	45				<5	0.4	24	3.2	29	1	3.51	1.82	1.75	10	90	0.5	<2	<2
B245340	RA3	262.40	265.45	3.05	86	39				29	0.3	52	1	265	2	3.82	2.01	1.48	10	70	0.6	<2	2
B245341	RA3	265.45	268.50	3.05	180	44				<5	0.4	51	2	26	2	3.53	2.66	2.11	<10	50	0.5	<2	2
B245342	RA3	268.50	271.55	3.05	164	38				<5	0.5	32	1.5	14	1	3.72	1.84	2.15	10	50	0.5	2	2
B245343	RA3	271.55	274.60	3.05	85	51				<5	0.2	26	0.6	94	2	3.65	2.5	2.19	10	80	0.5	<2	3
B245344	RA3	274.60	277.65	3.05	172	152				21	0.8	49	1.2	662	3	4.55	3.53	2.21	<10	30	0.5	3	2
B245345	RA4	129.85	132.95	3.10	26	4				<5	<0.2	11	<0.5	12	1	1.26	0.46	0.6	<10	20	<0.5	<2	<2
B245346	RA4	132.95	136.05	3.10	28	4				<5	<0.2	13	<0.5	6	1	1.18	0.61	0.57	<10	20	<0.5	<2	<2
B245347	RA4	136.05	139.15	3.10	30	5				<5	<0.2	15	<0.5	5	1	1.28	0.63	0.56	<10	20	<0.5	<2	<2
B245348	RA4	139.15	142.25	3.10	28	5				<5	<0.2	11	<0.5	<2	1	1.26	0.66	0.54	<10	40	<0.5	<2	<2
B245349	RA4	155.20	158.25	3.05	22	5				<5	<0.2	7	<0.5	14	2	1.25	0.83	0.61	<10	30	<0.5	<2	<2
B245350	RA4	158.25	161.30	3.05	20	5				<5	<0.2	6	<0.5	6	1	1.24	0.7	0.6	<10	20	<0.5	<2	<2
B245351	RA4	161.30	164.35	3.05	21	4				<5	<0.2	10	<0.5	9	2	1.2	0.66	0.55	<10	20	<0.5	<2	<2
B245352	RA4	214.60	217.64	3.04	67	22				7	0.4	15	0.6	55	2	3.78	0.36	1.07	<10	20	1	<2	<2
B245353	RA4	217.64	220.70	3.06	65	20				<5	0.5	28	0.5	140	1	3.28	0.66	1.18	<10	20	0.8	<2	<2

Appendix III 2006 Analyses

2006 Rock Geochemical Analyses

2006 Rock Geochemical Analyses

		2006 Rock Geochemical Analyses																																			
Sample No.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn				
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
3263	0.01	0.5	1.28	149	<10	30	0.6	<2	1.89	<0.5	5	12	186	2.44	10	<1	0.12	10	0.83	887	3	0.07	9	1260	8	0.04	<2	6	31	0.11	<10	10	58	<10	49		
3264	0.01	0.8	1.86	73	<10	50	0.9	<2	1.03	2.4	6	13	194	3.18	10	<1	0.2	10	0.85	2230	3	0.04	7	1400	186	<0.01	<2	6	27	0.07	<10	<10	61	<10	472		
3265	0.01	1	1.85	89	<10	40	0.7	<2	3.52	<0.5	12	32	368	2.65	10	<1	0.15	10	0.97	1475	2	0.12	11	1140	12	0.02	<2	8	66	0.1	<10	<10	73	<10	96		
3266	0.02	0.6	4.2	168	10	80	1.1	<2	6.29	<0.5	27	190	645	5.35	10	1	0.18	<10	1.91	2500	2	0.05	40	750	89	<0.01	<2	4	24	66	0.2	<10	<10	201	<10	280	
3267	0.01	0.5	3.09	91	10	50	0.6	<2	6.44	<0.5	16	94	419	3.44	10	<1	0.14	10	1.45	1320	2	0.08	21	1140	10	<0.01	<2	3	15	114	0.17	<10	<10	108	<10	49	
3268	0.01	0.6	2.09	144	10	30	0.6	<2	0.95	0.5	9	<1	141	4.36	10	<1	0.16	10	0.91	1015	2	0.08	1	1590	10	<0.01	<2	13	31	0.25	<10	<10	67	<10	90		
3269	0.01	1	1.32	47	<10	40	0.8	<2	0.85	0.6	14	13	1515	3.01	10	<1	0.13	10	0.75	981	2	0.08	14	1360	21	<0.01	<2	6	27	0.11	<10	<10	63	<10	128		
3270	0.01	1	1.39	23	<10	50	0.7	<2	1	<0.5	7	13	610	2.63	10	1	0.11	10	0.82	947	1	0.08	7	1370	12	<0.01	<2	6	30	0.1	<10	10	59	<10	76		
3271	0.01	1.2	1.9	42	10	60	0.9	<2	1.27	0.6	7	10	869	3.4	10	<1	0.17	10	0.73	1475	3	0.05	11	1410	85	<0.01	<2	6	29	0.06	<10	<10	62	<10	274		
3272	0.005	1.1	1.76	33	10	50	0.8	2	0.83	0.8	12	11	2570	3.07	10	<1	0.13	10	0.76	1735	2	0.07	10	1380	143	<0.01	<2	6	27	0.07	<10	<10	64	<10	416		
3273	0.005	0.4	0.12	12	<10	50	0.8	<2	1.14	<0.5	3	10	302	2	10	<1	0.11	10	0.59	529	1	0.09	7	1150	7	<0.01	<2	5	27	0.1	<10	<10	40	<10	42		
3274	0.005	0.4	1.3	29	<10	40	0.7	<2	1.04	<0.5	4	12	78	2.73	10	<1	0.1	10	0.89	788	1	0.06	7	1320	6	<0.01	<2	6	23	0.09	<10	<10	62	<10	43		
3275	0.005	0.4	1.34	17	<10	50	0.6	<2	0.86	<0.5	3	12	92	2.42	10	1	0.11	10	0.8	665	1	0.06	5	1110	6	<0.01	<2	5	20	0.09	<10	<10	53	<10	50		
3276	0.005	0.4	1.34	22	<10	50	0.7	<2	1.3	<0.5	4	14	110	2.62	10	<1	0.12	10	0.77	715	1	0.05	7	1210	4	<0.01	<2	6	24	0.09	<10	<10	58	<10	37		
3277	0.005	0.2	1.26	28	<10	60	0.7	<2	0.93	<0.5	5	10	269	2.73	10	<1	0.14	10	0.76	712	1	0.05	10	1240	6	<0.01	<2	7	23	0.1	<10	<10	56	<10	41		
3278	0.005	0.2	1.26	26	<10	60	0.6	<2	1.25	<0.5	5	12	146	2.66	10	<1	0.13	10	0.77	706	1	0.06	9	1150	6	<0.01	<2	6	27	0.1	<10	<10	55	<10	31		
3279	0.005	0.2	1.39	30	<10	60	0.7	<2	0.97	<0.5	4	12	63	2.92	10	<1	0.13	10	0.83	856	1	0.06	7	1240	4	<0.01	<2	6	26	0.1	<10	<10	56	<10	33		
3280	0.005	<0.2	1.28	25	<10	40	0.6	<2	1.24	<0.5	4	10	108	2.59	10	<1	0.11	10	0.89	716	1	0.06	7	1190	5	<0.01	<2	6	25	0.1	<10	<10	55	<10	35		
3281	0.01	0.5	1.7	29	<10	60	0.7	<2	0.92	<0.5	6	13	442	3.29	10	<1	0.13	10	0.79	931	2	0.04	11	1280	5	<0.01	<2	6	25	0.09	<10	<10	64	<10	62		
3282	0.01	0.3	1.41	77	<10	60	0.6	<2	0.46	0.9	5	3	31	2.59	10	<1	0.16	10	0.38	799	1	0.03	1	500	78	<0.01	<2	4	20	0.02	<10	<10	48	<10	183		
3283	0.02	0.2	1.6	43	<10	50	0.6	<2	0.51	2.2	5	<1	20	2.54	10	1	0.17	10	0.43	1005	1	0.03	2	410	178	<0.01	<2	4	21	0.02	<10	<10	47	<10	551		
3284	0.005	0.5	1.1	23	<10	30	0.6	<2	0.78	0.5	5	12	86	2.02	<10	<1	0.11	10	0.34	461	2	0.12	8	1080	24	<0.01	<2	5	36	0.09	<10	<10	44	<10	71		
3285	0.01	<0.2	0.95	27	<10	30	0.5	<2	0.8	<0.5	7	14	90	1.86	<10	<1	0.1	10	0.33	373	1	0.14	9	1160	18	<0.01	<2	5	30	0.11	<10	<10	43	<10	50		
3286	0.01	0.2	1.56	28	10	40	0.7	2	0.75	0.8	6	11	102	2.48	10	<1	0.23	10	0.48	670	1	0.06	10	1440	39	<0.01	<2	6	27	0.07	<10	<10	52	<10	146		
3287	0.01	0.5	1.04	21	<10	50	0.5	<2	0.72	1.2	6	14	93	2.32	<10	<1	0.15	10	0.41	508	2	0.11	11	1180	73	<0.01	<2	6	26	0.09	<10	<10	51	<10	172		
3288	0.02	0.7	1.36	44	<10	50	0.7	<2	0.83	1.2	7	13	110	2.86	10	<1	0.15	10	0.58	940	3	0.07	8	1280	112	<0.01	<2	6	27	0.08	<10	<10	59	<10	188		
3289	0.02	0.5	2.39	47	<10	70	1.1	<2	0.81	1.8	10	6	156	3.46	10	<1	0.24	10	0.75	1475	2	0.03	6	1180	44	<0.01	<2	3	8	32	0.03	<10	<10	73	<10	304	
3290	0.01	0.5	1.72	39	<10	40	0.8	<2	0.69	2.3	6	14	106	3.01	<10	<1	0.22	20	0.67	1320	3	0.04	8	1180	41	<0.01	<2	6	22	0.05	<10	<10	52	<10	305		
3291	0.005	<0.2	1.75	31	<10	40	0.9	<2	2.45	0.8	7	12	102	2.89	10	<1	0.26	10	0.76	1640	4	0.03	9	1290	22	<0.01	<2	5	38	0.03	<10	<10	49	<10	136		
3292	0.005	0.2	1.67	18	<10	50	0.8	<2	1.42	0.6	5	11	78	2.76	10	<1	0.21	10	0.78	1315	3	0.05	8	1210	15	<0.01	<2	6	28	0.06	<10	<10	55	<10	106		
3293	0.005	0.4	1.7	21	<10	50	0.8	<2	1.55	0.6	5	14	70	2.85	10	<1	0.2	10	0.8	1145	3	0.05	9	1300	18	<0.01	<2	6	29	0.05	<10	<10	56	<10	88		
3294	0.005	0.3	1.22	31	<10	60	0.7	<2	1.35	0.6	5	15	82	2.37	10	1	0.13	10	0.63	791	4	0.1	8	1300	26	<0.01	<2	6	34	0.08	<10	<10	58	<10	77		
3295	0.005	0.4	1.51	43	<10	50	0.7	<2	0.75	0.5	10	13	179	2.74	<10	<1	0.15	10	0.69	825	3	0.08	8	1340	19	<0.01	<2	6	25	0.09	<10	<10	63	<10	77		
3296	0.01	0.3	1.86	63	<10	50	0.9	<2	0.76	1.2	15	15	224	3.17	10	<1	0.16	10	0.16	10	0.74	1025	3	0.06	11	1260	34	<0.01	<2	7	30	0.08	<10	<10	68	<10	150
3297	0.005	0.3	1.44	52	<10	30	0.7	<2	0.84	0.5	14	14	208	2.73	10	<1	0.1	10	0.61	652	2	0.12	10	1320	27	<0.01	<2	6	32	0.1	<10	<10	63	<10	83		
3298	0.01	0.2	1.36	27	<10	30	0.6	<2	0.83	<0.5	8	10	122	2.21	<10	<1	0.09	10	0.55	591	2	0.12	8	1340	21	<0.01	<2	5	31	0.1	<10	<10	51	<10	70		
3299	0.005	0.2	1.08	8	<10	20	0.5	<2	1.01	<0.5	3	12	55	1.44	<10	<1	0.08	10	0.49	322	1	0.19	6	1370	17	<0.01	<2	4	35	0.13	<10	<10	57	<10	57		
3300	0.01	0.4	1.03	7	<10	20	<0.5	<2	1.03	<0.5	2	12	52	1.3																							

2006 Rock Geochemical Analyses

2006 Rock Geochemical Analyses																																			
Sample No	Au-AA23	ME-ICP41																																	
	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	ppm	ppm	%	ppm	ppm																														
3382	0.01	<0.2	2.44	21	10	30	0.8	<2	3.79	<0.5	6	18	8	2.18	<10	<1	0.05	10	0.55	1115	<1	0.02	12	3760	5	<0.01	2	7	63	0.1	<10	<10	31	<10	85
3383	0.005	<0.2	2.22	24	10	50	0.8	<2	2.99	0.5	7	30	11	2.2	<10	<1	0.09	10	0.51	847	1	0.02	13	4200	12	0.01	<2	9	85	0.11	<10	<10	38	<10	89
3384	0.01	<0.2	2.08	44	10	60	0.9	<2	3.42	0.6	5	36	12	2.04	<10	1	0.08	20	0.62	959	1	0.01	16	6030	9	0.01	3	6	128	0.09	<10	<10	35	<10	93
3385	0.005	<0.2	3.79	51	10	80	1	<2	1.45	5.2	25	17	287	5.53	10	<1	0.16	10	1.63	3250	1	0.06	18	1310	7	0.01	<2	18	156	0.2	<10	<10	190	<10	907
3386	0.005	<0.2	2.67	29	10	50	0.8	<2	1.44	2.2	24	76	22	4.19	10	<1	0.08	10	1.3	3130	1	0.05	38	1450	11	<0.01	4	18	118	0.27	<10	10	150	<10	194
3387	0.005	<0.2	2.92	15	10	70	0.7	<2	1.39	1	14	18	21	3.49	10	1	0.12	10	1.43	2030	<1	0.07	14	1340	6	<0.01	<2	13	142	0.22	<10	<10	109	<10	105
3388	0.01	0.3	1.54	56	<10	20	1.1	<2	2.59	5.1	15	27	13	9.96	<10	<1	0.03	10	1.35	5340	2	0.03	18	3640	8	0.01	12	7	146	0.09	<10	<10	94	<10	508
3389	0.01	1.8	2.02	52	<10	30	0.9	4	2.3	6	14	26	13	7.67	<10	<1	0.03	10	1.33	3830	1	0.02	15	3050	46	0.01	3	7	110	0.11	<10	<10	106	<10	1165
3390	0.01	2.6	2.11	79	10	50	0.9	4	2.14	5.8	17	33	9	6.76	<10	<1	0.05	10	1.32	2720	2	0.02	16	3120	11	0.02	3	8	108	0.13	<10	10	131	<10	805
3391	0.01	0.5	3.3	120	10	40	1	30	2.08	3.4	14	38	19	5.77	10	<1	0.06	10	2.29	2770	5	0.03	21	3440	14	<0.01	6	11	110	0.15	<10	<10	154	<10	350
3392	0.01	<0.2	2.64	38	10	70	0.7	6	1.17	1.5	14	14	69	3.39	<10	1	0.08	10	1.58	1915	1	0.05	10	1080	10	<0.01	<2	13	122	0.2	<10	<10	106	<10	201
3393	0.02	2.1	2.35	97	<10	80	1.1	2	3.05	3	12	42	12	6.16	<10	<1	0.01	10	1.43	2980	2	0.01	20	5290	7	0.02	6	6	96	0.1	<10	<10	110	<10	580
3394	0.01	<0.2	3.65	74	10	60	0.6	<2	2.25	1	24	29	76	4.91	10	<1	0.08	10	1.51	959	1	0.05	18	1260	10	0.01	<2	17	73	0.23	<10	<10	150	<10	98
3395	0.01	<0.2	4.04	41	10	60	0.5	2	3.07	0.7	18	25	42	4.33	10	1	0.07	10	1.67	747	<1	0.08	18	1260	11	0.02	<2	18	82	0.29	<10	<10	140	<10	63
3396	0.01	<0.2	3.34	47	10	60	0.9	8	2.39	1.4	13	29	132	3.77	10	<1	0.11	10	2	1670	1	0.03	19	1240	7	0.01	2	17	122	0.18	<10	10	146	<10	296
3398	0.01	0.4	3	79	<10	60	1	2	4.28	2	13	36	22	4.6	10	<1	0.05	10	1.97	2430	4	0.02	19	3230	6	0.01	5	11	146	0.16	<10	<10	106	<10	232
3399	0.01	<0.2	3.1	41	10	60	0.8	<2	2.62	1.1	15	27	42	3.51	10	<1	0.08	10	1.62	1290	1	0.05	16	2040	8	<0.01	4	14	85	0.17	<10	<10	106	<10	140
3400	0.01	<0.2	3.56	49	10	70	0.6	<2	4.14	0.6	19	19	87	3.6	10	<1	0.08	10	1.42	1275	<1	0.07	17	1340	24	0.01	2	15	86	0.22	<10	<10	123	<10	65
3402	0.01	<0.2	2.88	36	<10	70	0.9	<2	8.44	0.8	14	25	97	4.52	10	1	0.15	10	1.76	2710	1	0.03	16	1520	45	0.01	<2	12	125	0.15	<10	<10	132	<10	156
3404	0.01	<0.2	3.98	30	10	60	0.6	<2	7.67	<0.5	14	16	134	3.08	10	<1	0.15	10	1.63	1350	<1	0.22	14	1020	9	0.01	<2	10	214	0.22	<10	<10	118	<10	51
3406	0.005	<0.2	2.71	29	10	40	0.5	<2	1.65	<0.5	9	5	96	3.01	10	<1	0.13	10	1.13	542	1	0.17	3	840	14	<0.01	<2	7	110	0.15	<10	<10	65	<10	52
3408	0.005	0.2	2.89	12	10	40	0.5	<2	1.28	<0.5	8	4	51	3.06	10	<1	0.1	10	1.11	410	<1	0.23	<1	740	15	<0.01	<2	7	130	0.16	<10	<10	60	<10	67
3409	0.005	<0.2	2.74	45	10	50	0.6	<2	0.96	0.7	8	1	21	4.1	10	<1	0.14	10	1.05	576	<1	0.16	<1	720	19	0.01	3	8	73	0.16	<10	<10	69	<10	47
3410	0.005	0.2	3.22	14	10	60	0.5	<2	1.37	<0.5	10	3	17	3.84	10	<1	0.13	10	1.08	646	<1	0.27	<1	760	9	0.02	<2	7	122	0.15	<10	<10	66	<10	43
3411	0.005	<0.2	3.32	5	<10	50	0.5	<2	1.47	<0.5	9	3	14	3.8	10	<1	0.07	10	1.04	610	<1	0.31	<1	720	11	0.03	<2	6	134	0.17	<10	<10	68	<10	53
3412	0.01	<0.2	3.03	13	<10	50	0.5	<2	1.07	0.6	9	1	15	4	10	1	0.09	10	1	919	1	0.19	<1	770	24	<0.01	2	7	91	0.17	<10	<10	67	<10	85
3413	0.005	0.3	2.73	25	<10	50	0.6	<2	0.93	<0.5	8	2	15	3.74	10	1	0.16	10	0.8	681	1	0.17	1	690	14	0.1	2	6	94	0.14	<10	<10	61	<10	55
3414	0.005	0.4	2.73	63	<10	60	0.6	<2	0.82	<0.5	10	2	18	3.96	10	<1	0.14	10	0.89	907	1	0.11	2	720	15	<0.01	<2	7	71	0.13	<10	<10	62	<10	65
3415	0.005	0.2	2.75	53	10	60	0.6	<2	0.8	<0.5	10	1	15	3.81	10	<1	0.11	10	0.99	986	1	0.08	1	700	10	<0.01	3	7	58	0.14	<10	<10	63	<10	54
3416	0.005	0.3	2.51	51	<10	40	0.5	2	2.71	<0.5	11	2	16	3.79	10	1	0.15	10	1.05	968	1	0.14	<1	740	12	0.01	3	7	63	0.16	<10	<10	62	<10	52
3418	0.03	0.2	2.3	64	<10	40	0.6	<2	0.67	<0.5	9	2	27	3.39	10	<1	0.18	10	0.89	1420	1	0.11	1	720	7	0.01	2	6	59	0.13	<10	<10	56	<10	49
3420	0.01	0.7	2.26	154	<10	60	0.8	<2	0.63	<0.5	10	<1	22	3.97	10	<1	0.2	10	0.83	1660	1	0.04	<1	710	11	0.01	3	6	40	0.04	<10	<10	57	<10	53
3422	0.01	0.4	2.51	10																															

2006 Rock Geochemical Analyses																																			
Sample No	Au-AA23	ME-ICP41																																	
	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm																											
3439	0.01	<0.2	2.58	7	<10	40	1	<2	1.94	<0.5	7	15	106	1.7	10	<1	0.11	10	0.19	224	13	0.36	12	1190	7	0.04	4	4	115	0.16	<10	<10	48	<10	30
3440	0.02	0.2	2.85	9	10	20	1.1	<2	1.99	<0.5	8	20	170	2.21	10	<1	0.1	10	0.23	257	9	0.34	14	1280	10	0.03	2	5	112	0.15	<10	<10	59	<10	37
3441	0.01	<0.2	2.89	9	10	30	1.1	<2	2.05	<0.5	5	21	134	1.68	10	<1	0.1	20	0.26	250	9	0.33	14	1260	6	0.01	2	4	120	0.15	<10	<10	68	<10	35
3442	0.03	1.2	3.16	400	20	50	2.6	100	9.21	1.4	8	28	107	6.08	10	1	0.09	10	1.57	3950	3	0.03	14	3680	26	0.01	21	8	140	0.13	<10	10	66	<10	209
3443	0.02	0.8	1.99	116	10	20	1.1	17	12.6	0.7	8	18	180	7.71	10	<1	0.06	10	1.17	2970	5	0.02	11	3190	13	0.01	14	5	87	0.09	<10	10	43	10	99
3444	0.02	5.5	1.37	213	10	10	1.5	24	11.6	3.5	43	10	14700	12	<10	<1	0.03	<10	0.44	3330	8	0.02	13	4030	22	0.02	17	3	80	0.06	<10	10	22	10	377
3445	<0.005	1	2.43	100	10	10	1	<2	2.78	0.6	7	14	419	4.65	10	<1	0.13	10	0.9	2620	4	0.04	11	1550	20	0.01	6	4	194	0.12	<10	10	55	<10	106
3446	<0.005	0.5	2.44	15	<10	10	1	<2	5.37	1.4	5	21	32	3.74	10	<1	0.12	10	1.08	1655	1	0.04	17	1710	16	0.01	4	5	170	0.15	<10	<10	67	<10	180
3447	0.01	0.9	2.37	44	<10	10	1.2	2	6.11	2.7	8	18	103	6.19	10	1	0.05	10	1.12	2200	2	0.02	14	3200	36	0.01	4	4	163	0.11	<10	10	47	<10	438
3448	0.01	0.7	2.52	170	<10	40	0.7	<2	2.23	0.8	8	11	118	4.3	10	<1	0.12	10	1.11	1095	3	0.11	8	1740	13	<0.01	2	9	81	0.12	<10	<10	70	<10	87
3449	0.01	0.3	2.37	144	<10	30	0.7	<2	0.88	0.9	7	3	36	4.36	10	<1	0.13	10	1.06	1015	2	0.04	1	1650	9	<0.01	3	10	32	0.1	<10	<10	58	<10	73
3450	0.01	0.4	2.12	166	<10	30	0.7	<2	0.72	0.7	10	2	58	4.18	10	<1	0.15	20	1.02	1575	2	0.04	2	1580	11	<0.01	5	8	28	0.04	<10	<10	60	<10	84
3451	0.01	0.7	2.28	224	<10	40	1	<2	1.61	0.6	11	27	118	5.23	10	<1	0.14	10	0.98	1595	5	0.05	16	1760	12	<0.01	3	6	59	0.08	<10	<10	88	<10	102
3452	<0.005	<0.2	1.24	40	<10	70	0.9	<2	1.62	0.5	7	22	64	2.62	10	<1	0.11	10	0.49	1225	2	0.07	17	1240	10	<0.01	3	6	50	0.17	<10	<10	72	<10	87
3453	0.01	0.4	1.68	133	<10	80	0.9	<2	2.03	0.5	10	21	57	3.16	10	<1	0.14	10	0.63	2580	4	0.08	17	1270	19	0.02	4	7	60	0.15	<10	<10	88	<10	124
3454	0.02	0.8	2.04	111	<10	100	1	2	1.34	<0.5	10	26	45	3.63	10	<1	0.15	20	0.76	1865	6	0.03	19	1310	12	0.01	3	6	43	0.12	<10	<10	80	<10	136
3455	0.02	0.8	1.99	49	<10	80	1.1	<2	1.45	<0.5	10	28	58	4.4	10	<1	0.11	10	0.83	1265	4	0.03	18	1540	11	0.01	3	7	42	0.11	<10	<10	92	<10	114
3456	0.02	1.2	1.92	99	<10	60	1	3	5.79	<0.5	10	20	75	3.64	10	<1	0.18	10	0.8	1765	5	0.04	17	1380	9	0.01	3	6	91	0.12	<10	<10	84	<10	96
3457	0.03	1.9	2.03	244	<10	70	1.1	<2	1.69	<0.5	11	28	36	3.62	10	<1	0.15	10	0.78	1280	5	0.08	18	1380	9	0.01	3	7	56	0.13	<10	<10	99	<10	88
3458	0.01	0.7	1.9	86	<10	110	1	3	2.85	<0.5	10	26	37	3.45	10	<1	0.11	10	0.94	1090	5	0.09	16	1420	11	0.03	2	7	72	0.18	<10	<10	97	<10	136
3459	0.01	0.4	2.03	100	<10	60	0.8	2	1.06	<0.5	9	17	30	3.51	10	<1	0.13	10	0.81	1165	4	0.03	11	1480	8	<0.01	2	6	36	0.13	<10	<10	75	<10	124
3460	0.01	0.4	2.12	140	<10	90	0.9	2	1.26	<0.5	10	23	68	3.91	10	<1	0.1	10	0.91	1235	5	0.04	18	1400	9	<0.01	3	6	49	0.14	<10	<10	89	<10	84
3461	<0.005	<0.2	1.61	17	<10	50	1.3	<2	1.32	<0.5	7	24	156	3.54	10	<1	0.09	10	0.39	780	1	0.05	17	1280	12	<0.01	3	8	35	0.18	<10	<10	87	<10	67
3462	<0.005	<0.2	1.5	15	<10	40	1.3	<2	1.66	<0.5	5	21	130	2.96	10	<1	0.08	10	0.38	673	1	0.06	15	1250	11	<0.01	3	7	32	0.17	<10	<10	78	<10	57
3463	<0.005	<0.2	1.39	16	<10	50	1.1	<2	1.39	<0.5	6	23	120	2.9	10	<1	0.11	10	0.43	640	2	0.08	16	1300	11	<0.01	4	6	33	0.16	<10	<10	76	<10	61
3464	<0.005	0.4	1.24	14	<10	40	1	<2	1.65	0.5	6	21	98	2.57	10	<1	0.14	10	0.43	608	2	0.07	15	1400	9	<0.01	2	5	34	0.16	<10	<10	70	<10	59
3465	0.01	0.8	1.77	88	<10	60	1	<2	1.38	<0.5	6	20	100	3.19	10	<1	0.11	10	0.56	762	3	0.11	15	1260	12	<0.01	<2	6	49	0.14	<10	<10	85	<10	62
3466	0.02	0.6	1.9	128	<10	70	1.1	<2	1.01	0.6	9	22	394	3.55	10	<1	0.11	10	0.6	858	3	0.07	16	1240	20	<0.01	3	7	39	0.11	<10	<10	94	<10	101
3467	0.01	0.4	1.74	85	<10	80	1.1	<2	0.85	0.5	9	23	344	3.47	10	<1	0.11	10	0.52	798	3	0.05	16	1100	16	<0.01	<2	6	32	0.09	<10	<10	73	<10	89
3468	<0.005	0.4	1.84	33	<10	50	0.9	<2	1.27	0.7	9	16	256	3.78	10	<1	0.1	10	0.63	778	2	0.1	12	1280	10	<0.01	2	6	52	0.14	<10	<10	77	<10	90
3469	0.01	0.3	2.02	50	<10	60	1	<2	1.22	<0.5	7	19	206	2.87	10	<1	0.14	10	0.42	721	2	0.1	14	1140	16	<0.01	2	6	56	0.1	<10	<10	64	<10	76
3470	0.02	0.3	1.78	184	<10	40	1.2	18	1.15	0.6	17	20	775	4.98	10	<1	0.14	10	0.49	948	6	0.06	16	1160	53	<0.01	9	5	43	0.1	<10	<10	105	<10	170
3472	0.01	0.2	1.36	10	10	40	1.2	<2	1.54	<0.5	7	18	128	2.38	10	<1	0.11	10	0.44</																


2006 Rock Geochemical Analyses

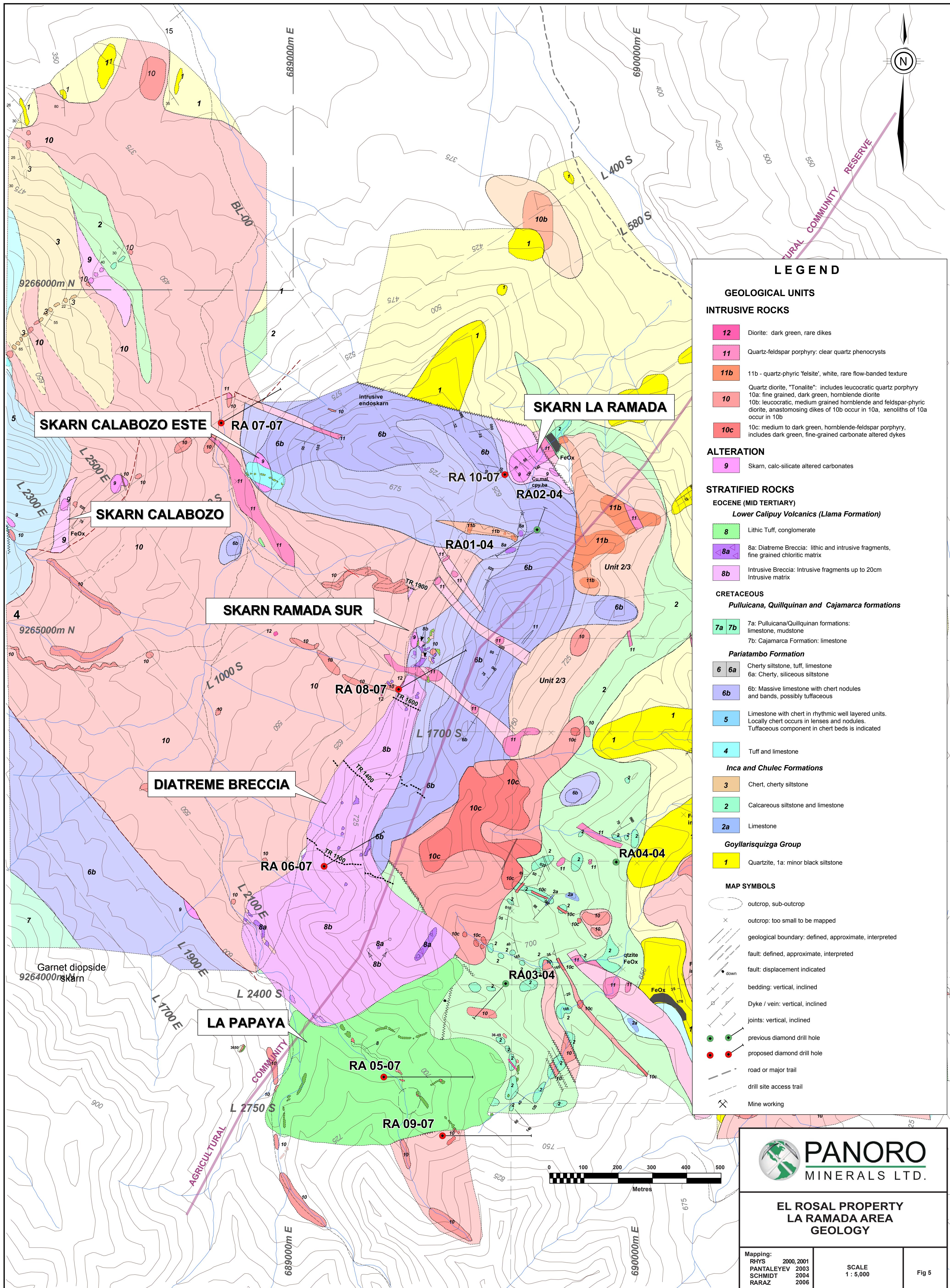
2006 Rock Geochemical Analyses																																			
Sample No.	Au-AA23	ME-ICP41																																	
	ppm	ppm	%	ppm																															
3558	0.03	<0.2	1.88	8	<10	20	0.8	<2	1.52	2	8	10	19	3.67	10	1	0.1	10	0.57	1160	1	0.18	7	2210	7	<0.01	2	5	84	0.11	<10	<10	46	<10	164
3559	0.05	<0.2	1.8	30	<10	30	1	<2	1.28	1	11	18	90	5.55	10	<1	0.08	10	0.78	2200	2	0.07	15	2180	8	<0.01	<2	8	55	0.09	<10	<10	76	<10	190
3560	0.05	<0.2	1.66	17	<10	30	1.2	<2	1.67	<0.5	10	13	31	5.79	10	<1	0.09	20	0.67	2060	1	0.14	14	2360	15	<0.01	<2	5	90	0.09	<10	<10	50	<10	174
3561	0.02	0.2	2.36	26	<10	40	0.8	<2	1.37	<0.5	11	16	44	4.34	10	<1	0.1	10	0.78	1280	4	0.17	13	1900	8	<0.01	<2	6	91	0.11	<10	<10	75	<10	153
3562	0.03	<0.2	2.18	12	<10	30	0.7	<2	1.62	<0.5	5	9	17	1.9	10	<1	0.08	10	0.46	847	3	0.33	7	1360	7	<0.01	<2	4	133	0.15	<10	<10	41	<10	97
3563	0.02	<0.2	1.87	18	<10	20	0.8	2	1.47	0.9	8	12	33	3.32	10	<1	0.1	10	0.59	1170	2	0.18	8	1960	10	<0.01	<2	6	92	0.14	<10	<10	51	<10	184
3564	0.03	<0.2	2.35	15	<10	30	1	2	1.92	0.7	7	12	37	3.09	10	<1	0.1	10	0.49	1325	2	0.25	8	2140	10	<0.01	<2	5	132	0.13	<10	<10	45	<10	181
3565	0.05	<0.2	2.13	13	<10	20	0.8	2	2.03	0.6	5	10	33	2.76	10	1	0.09	10	0.27	1115	3	0.24	6	1970	9	0.01	<2	3	144	0.1	<10	<10	31	<10	135
3566	0.11	<0.2	1.92	15	<10	20	0.7	2	1.5	1	6	10	32	3.02	<10	1	0.08	10	0.45	1210	2	0.19	7	1930	14	0.01	<2	4	100	0.1	<10	<10	37	<10	185
3567	0.04	0.2	1.62	7	<10	20	0.6	2	1.56	0.5	4	8	26	1.98	<10	<1	0.09	10	0.24	699	1	0.24	5	1660	10	0.01	<2	3	104	0.12	<10	<10	28	<10	96
3568	0.03	0.4	2.18	11	<10	20	0.5	2	1.42	0.5	10	11	153	3.14	10	1	0.06	10	0.39	462	4	0.32	13	1220	9	0.01	<2	6	102	0.12	<10	<10	59	<10	41
3569	0.05	0.7	2	56	<10	20	0.5	<2	1.17	1.8	12	12	225	4.4	10	<1	0.07	10	0.48	919	4	0.22	12	1260	11	0.02	<2	7	82	0.12	<10	<10	78	<10	88
3570	0.06	0.3	2.14	8	<10	20	0.5	2	1.47	0.6	11	12	201	2.96	<10	2	0.06	10	0.26	343	2	0.31	10	1230	10	0.01	<2	8	96	0.15	<10	<10	57	<10	51
3571	0.07	0.3	2.17	9	<10	20	0.6	2	1.38	1.5	11	12	206	3.2	10	1	0.05	10	0.36	427	3	0.26	10	1300	11	0.01	<2	8	89	0.12	<10	<10	53	<10	100
3572	0.05	<0.2	1.88	8	<10	20	0.5	2	1.44	1	5	8	90	1.8	<10	<1	0.07	10	0.23	407	2	0.3	8	1190	10	0.01	<2	4	95	0.13	<10	<10	33	<10	63
3573	0.25	<0.2	1.88	6	<10	20	0.5	4	1.42	0.5	9	10	172	2.34	<10	1	0.06	10	0.25	360	3	0.27	10	1180	7	0.02	<2	6	87	0.13	<10	<10	40	<10	55
3574	0.1	<0.2	1.84	12	<10	20	0.5	2	1.35	<0.5	13	9	236	2.87	<10	1	0.06	10	0.31	396	4	0.23	8	1210	7	0.02	<2	6	77	0.13	<10	<10	46	<10	55
3575	0.08	<0.2	2.4	8	<10	20	0.6	<2	1.8	0.5	5	6	44	1.44	10	1	0.07	10	0.23	384	2	0.37	5	1420	7	0.02	<2	3	128	0.11	<10	<10	24	<10	71
3576	0.02	<0.2	1.92	5	<10	20	<0.5	2	1.68	0.6	4	5	25	1.35	<10	1	0.06	10	0.26	369	1	0.28	4	1360	10	0.02	<2	4	103	0.13	<10	<10	24	<10	73
3577	0.04	<0.2	1.83	5	<10	20	0.5	<2	1.76	<0.5	3	5	11	1.34	<10	1	0.07	10	0.19	303	2	0.27	4	1620	8	0.02	<2	2	102	0.1	<10	<10	20	<10	74
3578	0.03	0.2	1.92	6	<10	30	0.5	2	1.62	<0.5	4	7	9	1.62	<10	1	0.09	10	0.29	564	2	0.3	5	1670	7	0.02	<2	2	121	0.1	<10	<10	25	<10	60
3579	0.03	0.4	2.5	8	<10	20	0.6	3	1.72	0.8	9	10	136	2.82	10	1	0.06	10	0.19	275	3	0.4	10	1290	8	0.02	<2	5	122	0.11	<10	<10	52	<10	37
3580	0.02	0.2	2.23	8	<10	20	0.6	<2	1.54	2.2	10	11	140	2.72	10	1	0.06	10	0.25	521	4	0.35	8	1200	9	0.02	<2	6	108	0.12	<10	<10	53	<10	82
3581	0.03	0.3	2.15	10	<10	20	0.6	<2	1.49	2	10	10	188	2.83	10	1	0.07	10	0.25	437	3	0.31	10	1300	12	0.01	<2	6	96	0.11	<10	<10	51	<10	99
3582	0.03	0.4	2.29	8	<10	20	0.5	2	1.73	1.4	10	9	190	2.63	<10	2	0.07	10	0.2	311	2	0.34	8	1220	9	0.01	<2	6	108	0.13	<10	<10	48	<10	78
3583	0.02	0.4	2.15	10	<10	10	0.5	2	1.51	1.2	12	9	240	2.95	<10	1	0.05	10	0.21	304	2	0.31	8	1170	15	0.02	<2	7	95	0.11	<10	<10	51	<10	74
3584	0.01	0.2	2.18	8	<10	10	<0.5	2	1.55	0.5	10	9	201	2.62	<10	<1	0.07	10	0.27	272	4	0.31	10	1120	11	0.01	<2	5	102	0.12	<10	<10	49	<10	49
3585	0.01	0.3	2.26	12	<10	10	0.5	2	1.58	0.7	10	11	194	2.71	<10	<1	0.06	10	0.22	274	3	0.35	9	1160	14	0.01	<2	6	109	0.12	<10	<10	57	<10	46
3586	0.01	0.3	2.86	11	<10	20	0.6	<2	1.84	<0.5	11	8	228	2.69	10	1	0.06	10	0.22	424	4	0.45	10	1250	11	0.02	<2	4	154	0.1	<10	<10	45	<10	64
3587	0.01	0.2	3.01	14	<10	20	0.6	<2	1.95	0.5	6	7	87	1.76	10	<1	0.05	10	0.22	326	3	0.47	7	1340	11	0.02	<2	3	168	0.09	<10	<10	33	<10	86
3588	0.01	<0.2	3.79	22	<10	30	<0.5	<2	1.74	3.8	21	33	134	3.53	10	1	0.11	10	0.96	398	1	0.23	26	800	21	0.01	<2	7	114	0.31	<10	<10	97	<10	236
3589	0.01	0.3	2.58	78	<10	80	0.5	3	0.85	0.6	19	111	246	3.49	10	2	0.11	<10	1.42	683	3	0.04	24	790	14	0.02	<2	12	39	0.13	<10	<10	90	<10	72
3590	0.01	0.3	2.63	65	<10	70	0.5	<2	1.16	1	19	22	84	5.89	10	1	0.07	10	1.72	1240	2	0.04	7	1560	25	0.02	<2	15	41	0.36	<10	<10	170	<10	126
3591	0.01	0.2	2.71	77	<10	70	0.																												

2006 Rock Geochemical Analyses

2006 Rock Geochemical Analyses																																			
Sample No.	Au-AA23	ME-ICP41																																	
	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	ppm	ppm	%	ppm	ppm	ppm	ppm																												
3656	0.04	0.8	2.14	34	270	<10	1.3	5	13.5	37.9	5	34	238	4.55	<10	<1	0.01	30	0.62	1240	1	<0.01	6	2030	5	<0.01	11	6	58	0.13	<10	10	45	<10	2230
3657	0.01	<0.2	0.7	27	660	20	0.5	2	23.2	0.9	1	9	7	0.65	<10	<1	0.04	10	0.55	1190	1	0.01	4	2660	6	<0.01	8	1	980	0.05	<10	10	8	<10	79
3658	0.33	5.3	2.56	105	80	10	1.6	12	15.7	41.7	9	16	3230	5.46	<10	1	0.01	20	0.39	581	1	<0.01	6	5130	11	0.01	15	3	112	0.13	<10	10	21	<10	3010
3659	0.27	0.8	1.89	98	1020	10	0.5	13	15.2	18.4	2	14	347	7.41	<10	<1	0.01	10	0.23	650	<1	<0.01	3	5640	11	0.04	71	2	72	0.1	<10	10	14	<10	1710
3660	0.04	0.4	3.85	117	10	50	0.8	<2	3.18	33.2	21	45	304	7.52	10	<1	0.12	20	1.91	2770	3	0.02	12	2910	30	<0.01	4	13	43	0.16	<10	<10	125	<10	6450
3661	0.16	2.4	2.94	561	10	30	1.1	6	6.33	30	58	23	1235	17.7	<10	1	0.09	40	1.1	3370	13	0.01	11	7730	25	0.01	25	5	59	0.05	<10	10	144	<10	19800
3662	0.03	0.4	2.57	24	10	60	0.8	<2	9.97	17.4	12	32	55	3.1	10	<1	0.2	10	1.52	2620	4	0.05	12	720	12	0.01	<2	15	122	0.15	<10	10	119	<10	2040
3663	0.03	<0.2	1.8	49	<10	20	<0.5	2	13.6	8.6	<1	11	44	8.57	<10	<1	0.03	10	0.26	1290	3	0.01	3	4690	16	0.01	2	2	36	0.09	<10	10	15	<10	771
3664	3.65	5.6	0.49	36	<10	20	<0.5	9	0.78	<0.5	4	4	11000	16.5	10	<1	0.1	<10	0.14	485	2	0.03	4	2990	23	0.07	2	1	21	0.03	<10	10	9	<10	231
3667	0.01	0.5	0.78	20	<10	60	<0.5	<2	0.39	<0.5	4	5	30	1.57	<10	<1	0.14	10	0.32	481	2	0.06	2	310	51	0.01	2	3	28	0.1	<10	<10	22	<10	111
3668	0.05	1.8	1.86	126	200	90	0.5	7	14.6	7.2	6	27	2040	5.23	<10	<1	0.1	10	0.56	2660	2	0.04	11	6150	156	0.09	24	4	157	0.07	<10	10	38	<10	990
3669	0.34	8.2	1.28	88	170	30	<0.5	45	12.6	12.2	20	6	18400	8.06	<10	1	0.01	10	0.29	1245	6	0.01	14	4940	47	0.06	12	2	38	0.08	<10	10	31	10	3120
3670	0.03	1.4	1.52	132	590	50	0.7	9	16.2	12.9	6	20	281	3.59	<10	<1	0.01	20	0.3	1020	1	0.01	6	7810	23	0.12	14	2	137	0.1	<10	10	21	10	2540
3671	0.33	1.7	1.71	119	10	20	<0.5	49	13.1	41.6	15	12	7380	7.92	<10	<1	0.01	10	0.33	1270	2	0.01	8	2780	56	0.02	5	3	69	0.08	<10	10	34	<10	5030
3672	<0.005	<0.2	5.1	9	10	40	<0.5	3	3.74	2.4	27	26	103	4.33	10	<1	0.04	10	3.07	772	<1	0.25	118	700	5	<0.01	<2	6	130	0.3	<10	10	98	<10	451

Pocket I





Pocket II

