

NI 43-101 Technical Report

on the

El Centenario Property

Durango, Mexico

106° 29' West and 24°57' North

Map sheet G13-10, G13-7



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1 Summary

The report was prepared by Derrick Strickland, P. Geo., at the request of Harold Forzley President of Pacific Cascade Minerals Inc. ("Pacific Cascade") to provide an up to date review of the El Centenario Property project in Durango, Mexico. The El Centenario Property was recently optioned to earn up 70% by Pacific Cascade from Arcelia Gold Corp. ("Arcelia"). The objective of this report is to summarize previous work, appraise the exploration potential of the property, and make recommendations for future work.

The El Centenario property consists of twelve non-surveyed continuous minerals concessions totalling 9845.5 ha centered at -106° 29 West and 24°57' North on Mexican Map sheet G13-10 and G13-7 in project in Durango, Mexico

The El Centenario property is in the Sierra Madre Occidental. The majority of the Sierra Madre Occidental is underlain by Tertiary age (approx. 25-25 Ma.) volcanic rocks which have been divided into the older Lower Sequence comprised of andesite flows and breccias and the younger Upper Sequence comprised mostly of rhyolite ash flow tuffs or ignimbrites. Locally, the rock sequences range from older (pre-Cretaceous?), thin-bedded sequences of metasediments that include shales, sandstones and siltstones. These rocks are uncomfortably overlain by andesitic to rhyolitic rocks of the Tertiary Inferior and Superior Volcanic Complexes.

Pacific Cascade Minerals Inc has the exclusive right and option to acquire a 70% undivided interest in the Property under the following conditions: pay Arcelia \$200,000 (U.S.) and provide two million shares of Pacific Cascade Minerals. In addition Pacific Cascade will incur a total of \$10-million (U.S.) in exploration and development expenditures on the property by December 31 2015. Pacific Cascade has also agreed to make payments in the total amount of approximately \$1.5-million to the underlying property owners over a period of four years.

The regional fieldwork carried out by Arcelia Gold Corp. geologists has confirmed the presence a wide range of mineralization styles are found at the `El Centenario` project. They vary from gold-silver epithermal vein, stockwork and breccia systems to base-metal rich skarn zones, to copper veins, and to intrusive hosted poly-metallic porphyries. Anomalous mineralization is found throughout all types of rocks including the older meta-sedimentary package. The porosity and permeability of volcanic rocks control extent of disseminated mineralization around the vein structures.

The property is in a favourable geological setting, the close proximity and similarity of the mineral prospects to several precious metal deposits (La Cienega, Metates), and the abundance of old mine workings, the high grade nature of the assay values and the lack of any systematic exploration, all contribute to make the `El Centenario` property a promising grass-roots exploration projects.

The recommendations are to undertake a LiDAR survey over the entire property and to conduct a structural interpretation. Initiate a more extensive exploration program which would include detailed mapping, geochemical surface sampling (stream sediment and rock sampling) and trenching focusing on La Esperanza and Santa Margarita showings. The estimated cost of recommend work is \$425,000 USD

2 Introduction

2.1 Terms of Reference and Purpose

The report was prepared by Derrick Strickland, P. Geo., at the request of Harold Forzley President of Pacific Cascade Minerals Inc. ("Pacific Cascade") to provide an up to date review of the El Centenario Property project in Durango, Mexico. The El Centenario Property was recently optioned by Pacific Cascade from Arcelia Gold Corp. ("Arcelia"). The objective of this report is to summarize previous work, appraise the exploration potential of the property, and make recommendations for future work.

In the preparation of this report, the author utilized Geological Survey of Mexico geological maps and available geological reports. Information was also obtained from Pacific Cascade with respect to claim boundaries. A list of reports, maps and other information examined is provided in the reference section of this report. The author visited the Property on May 10th 2011 at which time he reviewed the geological setting and carried out an examination of the Property.

The writer was retained to complete this report in compliance with National Instrument 43-101 of the Canadian Securities Administrators ("NI 43-101") and the guidelines in Form 43-101 F1. The writer is a "Qualified Person" within the meaning of National Instrument 43-101. This report is intended to be filed with the Alberta and British Columbia Securities Commissions, and the TSX Venture Exchange.

This report is based on information collected by the writer during a site visit performed May 10th 2011 with additional information provided by Pacific Cascade and Arcelia. Other information was obtained from the public domain. The writer has no reason to doubt the reliability of the information provided by Pacific Cascade or Arcelia.

This technical report is based on the following sources of information:

- Discussion with Pacific Cascade and Arcelia personnel;
- Inspection of the El Centenario project area;
- Additional information obtained from public domain sources.

The technical report was written and assembled in Vancouver, Canada during the month of May 2011

As of the date of this report, the author is not aware of any material fact or material change with respect to the subject matter of this technical report that is not presented in this report, which the omission to disclose would make this report misleading.

2.2 Units

All units of measurement used in this report are metric unless otherwise stated. Tonnages are reported as metric tonnes ("t") and base metal values (copper, lead and zinc are reported in weight percent ("%") or parts per million ("ppm"). Precious metals values (silver and gold) are recorded as grams per metric tonne ("g/t"). Other references to geochemical analysis are in ppm or parts per billion ("ppb") as reported by the originating laboratories. The maps are ("UTM") are based on the Nad27 datum. The Property is located in UTM zone 13 unless otherwise stated.

Currency conversion rates used as of May 27th 2011 are as follows: \$1.00 Canadian Dollar = \$0.976 United States Dollar = \$0.0841 Mexico Pesos

2.3 *Site Visit*

In accordance with the NI 43-101 guidelines, Mr. Derrick Strickland visited the El Centenario Property project area on May 10th 2011. Mr. Strickland was accompanied by Hermilo Mendoza Hernandez Eng., Senior Geologist for Arcelia. During the visit, Mr. Strickland reviewed aspects of previous work in the region and on the property and possibilities for future exploration programs. This visit allowed Mr. Strickland to ascertain the geological and structural controls on the known anomalies at El Centenario Property which represent possible exploration targets.

Mr. Strickland was given full access to relevant data and conducted interviews of Arcelia personnel. During the visit, Mr. Strickland collected nine (9) independent samples subsequently submitted for analysis.

2.4 *Mexican Mining Law*

Mineral exploration and mining in Mexico are regulated by the Mining Law of 1992, which establishes that all minerals found in Mexican territory are owned by the Mexican nation, and that private parties may exploit such minerals (except oil and nuclear fuel minerals) through mining licenses, or concessions, granted by the Federal Government.

Under the terms of the original law, exploration concessions were granted for a period of six years and exploitation concessions for a period of fifty years. There was no provision to extend the term of the exploration concession but exploitation concessions were renewable once for an additional term of fifty years.

On April 29, 2005 the Mexican Congress published several amendments to the Mining Law of 1992. According to these amendments, old exploration and exploitation concessions were replaced by a single concession type, the mining concession, which gives the holder both exploration and exploitation rights subject to the payment of relevant taxes. Old exploration and exploitation concessions were automatically transformed into mining concessions with a single term of 50 years from the date the concession was first registered at the Public Registry of Mines. Accordingly, exploration concessions that were originally issued for a term of 6 years now have a term of 50 years from the date the exploration concession was originally registered. Under the new amendments, the concession holder has all the rights previously granted for an exploitation concession under the old law.

Concessions may be granted to (or acquired by, since they are freely transferable) Mexican individuals, local communities with collective ownership of the land known as ejidos and companies incorporated pursuant to Mexican law, with no foreign ownership restrictions for such companies. While the Constitution makes it possible for foreign individuals to hold mining concessions, the Mining Law does not allow it. This means that foreigners wishing to engage in mining in Mexico must establish a Mexican corporation for that purpose, or enter into joint ventures with Mexican individuals or corporations.

Maintenance obligations which arise from a mining concession, and which must be kept current to avoid its cancellation are the performance of assessment work, the payment of mining taxes and the compliance with environmental laws. The Regulations of the Mining Law establish minimum amount of assessment work that must be performed during the exploration in the case of exploration concessions, or exploration and/or exploitation work, in the case of exploitation concessions (<http://www.smvv.com.mx/art3.htm>). See Table 1

Table 1: Mexican Tax Payments

Year	Payment per Hectare (Mexican Pesos)
1-2	4.42
3-4	6.61
5-6	13.68
7-8	27.51
9-10	55.01
After 10	96.83

3 Reliance on Other Experts

The information, opinions and conclusions contained herein are based on:

- Information available to the writer at the time of preparation of this report;
- Assumptions, conditions, and qualifications as set forth in this report;
- Data, reports, and other information supplied by Pacific Cascade and Arcelia and other third party sources; and
- Other NI 43-101 reports in the area which can be found on Sedar (www.sedar.com).

A legal opinion on the property has been provided by DBR (Diaz, Bouchot & Raya) Lawyers of Durango Mexico (www.dbr-law.com) See Appendix A. DBR in its opinion stated

"Arcelia Gold has the sufficient rights to explore the mining claims covered by the Concessions. The Concessions: Based on our research done at the GBM and the Registry we inform you of the following:

- a) Arcelia Gold has the sufficient rights to explore the mining claims covered by the Concessions listed in this opinion;*
- b) The Concessions are free and clear of any lien or encumbrance; and*
- c) The Concessions are not in good standing."*

The author expresses no legal opinion as to the ownership status of the Property.

4 Property Description and Location

4.1 Property Area and Location

The El Centenario property consists of twelve non-surveyed continuous minerals concessions totalling 9845.5 ha centered at -106° 29 West and 24°57' North on Mexican Map sheet G13-10 and G13-7. See table 2 and figure 1 and 2.

The property has not been legally surveyed to the authors' knowledge, although multiple claim markers and monuments were noted on the property during the site visit.

As the bird flies, the `El Centenario` project is located 210 km NW of Durango City, very close to the Sinaloa state border. The small towns of San Juan de Camarones and San José de Cañas, located a few kilometres south of the project area, are the two main points of entry to the southern part of the project area. Another road access exists when coming from the north, following a poorly-maintained dirt road that reaches the old Mina El Carbón prospect situated at

the heart of the `El Centenario` claim block. The property has not been legally surveyed to the authors' knowledge, although multiple claim markers and monuments were noted on the property during the site visit.

In order to reach San Juan de Camarones starting from the city of Durango, one must follow a two-lane paved road that goes northwest through Santiago de Papasquero, then further to Ojito de Camellones for a total distance of about 320 km. At this point one must take a dirt road going to the west, all the way down to the small town of San Juan de Camarones about 80 km away. It takes approximately 8 to 9 hours to drive from Durango City to San Juan de Camarones. There also exist small plane airstrips in both San Juan de Camarones and San José de Cañas. The flight time from the city of Durango to these local airstrips is approximately one hour.

Figure 1: General Location Map

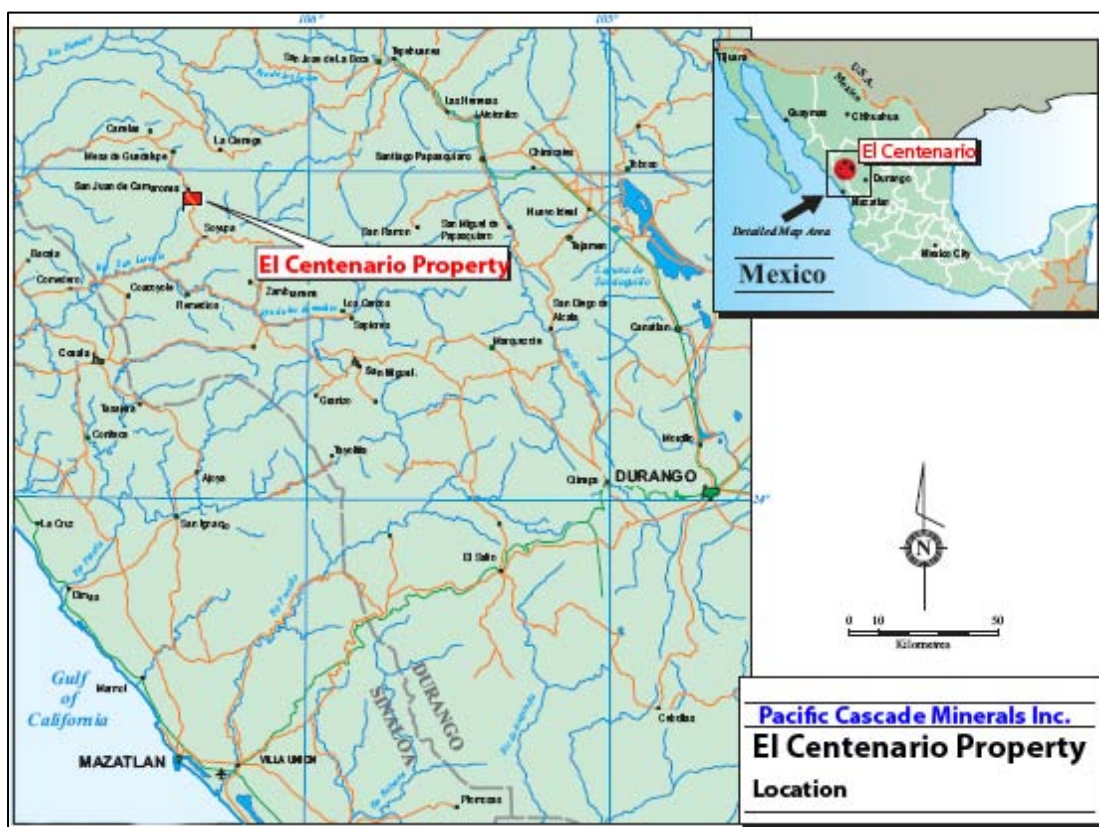
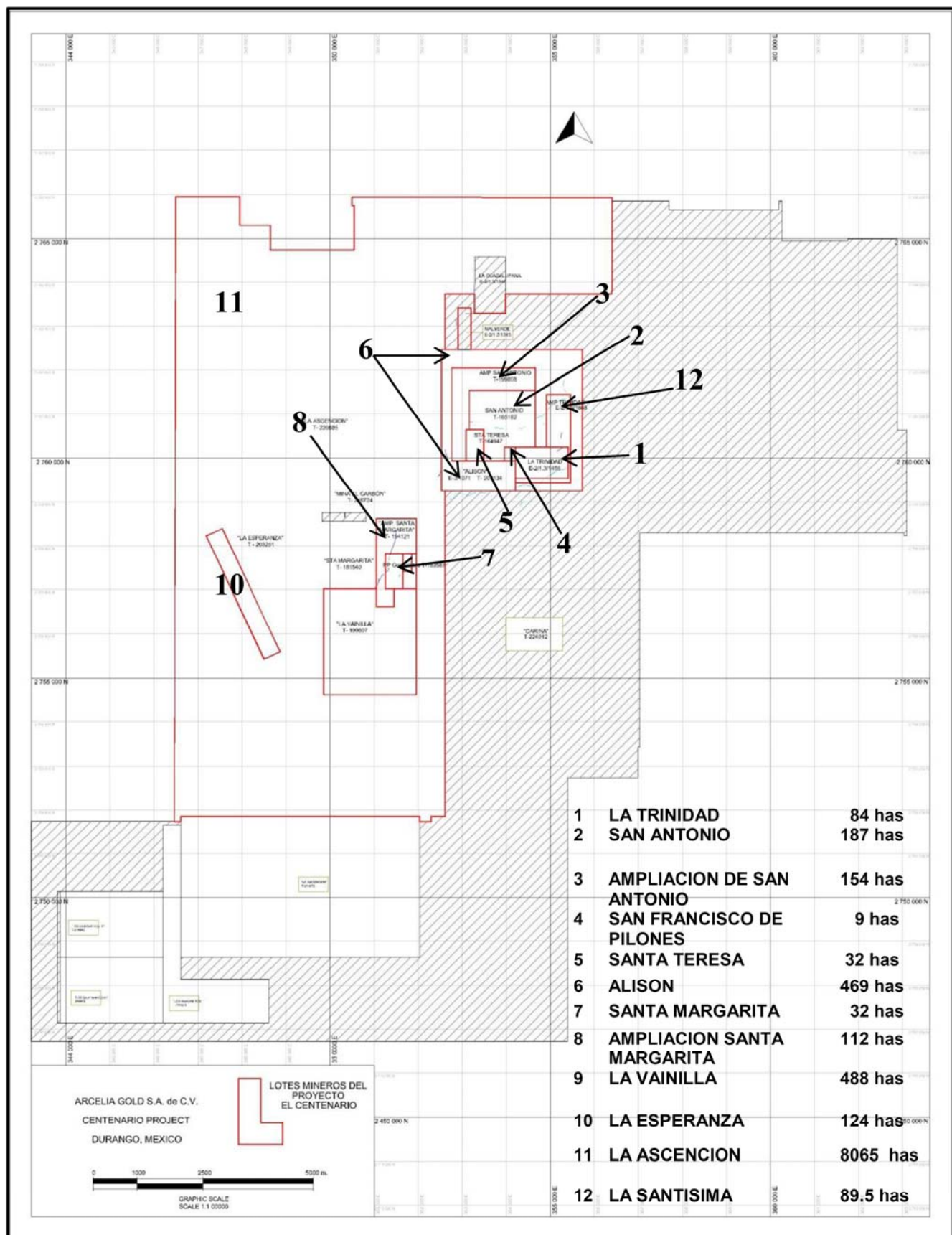


Table 2: Concessions

	Concession Name	Size(ha)	Title No.	Ownership
1	LA TRINIDAD	84	208555	100% Cia. Vainilla
2	SAN ANTONIO	187	165162	100% Cia. Vainilla
3	AMPLIACION DE SAN ANTONIO	154	199808	100% Cia. Vainilla
4	SAN FRANCISCO DE PILONES	9	164946	100% Cia. Vainilla
5	SANTA TERESA	32	164947	100% Cia. Vainilla
6	ALISON	469	203134	100% Cia. Vainilla
7	SANTA MARGARITA	32	203309	100% Cia. Vainilla
8	AMPLIACION SANTA MARGARITA	112	211431	100% Cia. Vainilla
9	LA VAINILLA	488	199807	100% Cia. Vainilla
10	LA ESPERANZA	124	203251	100% Cia. Vainilla
11	LA ASCENCION	8065	220685	100 % Sr. F. Torres
12	LA SANTISIMA	89.5	236912	100 % Sr. F. Torres

Figure 2: El Centenario Property,



There no known, mineral resources, tailings ponds on the property. There are indications that there are artisanal producers on the property, however the nature and extent is not is known. It is unlikely that any of artisanal extraction of minerals from the ground met the current standards of reporting. The author is unaware of any permits required to conduct work and if such permits have been issued

4.2 Legal Agreements

The Arcelia Gold Corp hereby grants to Pacific Cascade Minerals Inc the sole and exclusive right and option to acquire a 70% undivided interest in and to the Arcelia Gold Corp interest in the Property free and clear of all liens, charges, encumbrances and claims, subject to the Underlying Agreements. Arcelia Gold Corp is the beneficial holder of an option to earn a 100% interest in the Property, subject to a 2.5% net smelter return royalty retained by the underlying mineral concessions owners. Pacific Cascade Minerals Inc at any time to purchase from the Arcelia Gold Corp 1.5% of the 2.5% NSR, for the sum of \$1,500,000.

Pacific Cascade Minerals Inc shall (i) pay to the Arcelia Gold Corp up to the sum of USD\$200,000 (Two Hundred Thousand US Dollars); and (ii) issue up to 2,000,000 common shares in the capital of Pacific Cascade Minerals Inc, to be paid in four instalments on the dates set forth below, with the first payment made on the date (the “**Closing Date**”) which is the earlier of i) the date of closing of a Pacific Cascade Minerals Inc Financing July 31, 2011.

Table 3: Property Payments

Date for Option Payment	Amount USD\$	Share Issuance
Closing Date	\$50,000	250,000
January 1, 2012	\$50,000	500,000
January 1, 2013	\$50,000	500,000
January 1, 2014	\$50,000	750,000
TOTAL	\$200,000	2,000,000

Pacific Cascade Minerals Inc shall also pay to the Arcelia Gold Corp, on or before the Closing Date, funds necessary to satisfy all outstanding claim fees due to the Mexican Government, See table 6. Arcelia estimates that this payment to be approximately CDN\$110,000 (One Hundred and Ten Thousand Canadian Dollars), however Arcelia shall provide the final amount of this obligation to Pacific Cascade Minerals Inc not less than five (5) business days prior to the Closing Date.

Pacific Cascade Minerals Inc shall also pay to the Arcelia Gold Corp the following payments in accordance with the schedule set forth below, which shall be the applied to the Company's obligations due to the mineral concession holders pursuant to the Underlying Agreements:

Table 4: Underlying Agreement Payments

Date for Property Payment	Amount USD\$
May 31, 2011 (non-refundable)	23,000
December 2, 2011	23,000
June 2, 2012	23,000
December 2, 2012	23,000
June 2, 2013	23,000
December 2, 2013	23,000
June 2, 2014	23,000
December 2, 2014	23,000
June 2, 2015	734,231
June 2, 2015	830,000
TOTAL	1,748,231

Pacific Cascade Minerals Inc shall also incur a total of USD\$10,000,000 (Ten Million US Dollars) in Exploration and Development Expenditures on the Property, in stages to be completed on or before the dates specified below:

Table 5: Exploration and Development Expenditures

Date for Completion	Exploration and Development Expenditures
December 31, 2011	\$1,000,000
December 31, 2012	\$2,000,000
December 31, 2013	\$2,000,000
December 31, 2014	\$2,000,000
December 31, 2015	\$3,000,000
TOTAL	USD\$10,000,000

On or before the Closing Date Pacific Cascade Minerals Inc shall have completed a financing, the net proceeds of which shall include allocation of the sum of USD\$1,000, 000 in order to fund the 2011 exploration program.

4.2.1 El Centenario 51% Property Underlying Agreements

Property Size & Status: 9,846 hectares (Group of 12 adjoining mineral claims). Ten of the mineral concessions are owned by Cia. Minera La Vainilla SA de CV, and two mineral concessions, La Santisima and Ascencion, Title no. 220685, are owned by Sr. Filiberto Torres.

Arcelia has an option-to-buy contract for 51% of the Property's mineral rights spread over 5 years, subject to a 2% NSR retained by the owners. Contract includes bi-annual payments of

\$20,000 US, and a final bulk payment at the end of \$638,462 US for a total of \$838,462 US. The 2 % NSR can be bought out any time for 2 million \$ US.

4.2.2 El Centenario 49% Property Underlying Agreements

The remaining 49% portion of the Property is controlled by Roxanna Gold SA de CV. This interest is in the process of being acquired by the Arcelia Gold Corp in consideration for the assumption of \$830,000 US debt that Cia. Minera La Vainilla SA de CV owes to Roxanna Gold SA de CV from previous expenses that a third party incurred on the Property during 2006 to 2010. This debt represents only the direct, incurred expenses that were made on the El Centenario Property such as property payments, current and back taxes payments (more than \$600,000 US), and about \$100,000 US of grass-root exploration work.

Table 6: Underlying Property Payment and Claim Fees to the Mexican Government

Remaining Claim Taxes to be paid on El Centenario			
(***) 1 CDN \$ = 11.5 MX pesos)			
1st September of 2011			
Title No.	Claim Name	MX pesos	CDN \$
203251	LA ESPERANZA	16,391.00	1,425.30
199807	LA VAINILLA	58,627.00	5,098.00
203309	SANTA MARGARITA	4,717.00	410.17
199808	AMPL. DE SAN ANTONIO	19,829.00	1,724.26
211431	AMPL. DE SANTA MARGARITA	15,998.00	1,391.13
203134	ALISON	56,370.00	4,901.74
208555	LA TRINIDAD	11,750.00	1,021.74
165162	SAN ANTONIO	23,737.00	2,064.09
164947	SANTA TERESA	3,717.00	323.22
164946	SAN FRANCISCO DE PILONES	3,047.00	264.96
220685	LA ASCENCION	275,944.00	23,995.13
Sub Total:		490,127.00	42,619.74

2009-2010 pending Taxes on the LA ASCENCION claim			
Title No.	Claim Name	MX pesos	CDN \$
2do-2009	LA ASCENCION	168,942.00	14,690.61
1er-2010	LA ASCENCION	314,066.00	27,310.09
2do-2010	LA ASCENCION	291,785.00	25,372.61
Sub Total:		774,793.00	67,373.30
Grand Total:		1,264,920.00	109,993.04

4.3 Environmental Liabilities

The writer is not aware of any existing environmental liabilities related to the El Centenario area. This area is under explored in comparison to other regions of Mexico and has a limited documented history available. No obvious environmental liabilities were observed during the property visit but there are a number of small adits, borrow pits, and trails

5 Accessibility, Climate, Local Resources, Infrastructure & Physiography

Flight access to the site from Durango City, Durango State, or Mazatlan or Culiacan, Sinaloa State is about one hour via fixed wing aircraft. All of these cities have regularly scheduled commercial air service. There are several 200 to 500 m long dirt air strips in the vicinity of the property, including ones in the nearby villages of Vascogil and San Juan de Camarones. Alternatively the property can be reached by road in 8 to 10 hours from Durango, with a total distance of about 230 road kilometres. The road from Durango to Santiago Papasquiaro and then on to El Ojito de Camallones is paved and is a distance of 172 km. From El Ojito de Camallones there is a further 55 km of primitive dirt road which allows access to the property and the surrounding villages of Vascogil and San Juan de Camarones. The dirt road portion of this route is occasionally blocked during the rainy season but it does allow for the transport of heavy equipment and drill rigs.

The climate is highly variable (from sub-tropical to temperate) because of the property's location and elevation extremes. The dry season is generally from October to May and the wet season from June to September. Approximately two thirds of the average of 1,420 mm of annual rainfall occurs during the monsoonal wet season. During May and June temperatures can reach 40°C at the lower elevations and during December and January subzero temperatures and snow can be expected at higher elevations.

The climate at the property is amenable to year round operations. Running water is sometimes available where sourced from local springs, while electricity can be generated by gas or diesel powered generators. There is no land line based telephone service but cell phone service is available. Economic activity consists of subsistence agriculture and cattle ranching.

Elevation in the general project area varies from 600 to 2,600 metres with much of the topography consisting of steep slopes or cliffs. In the area immediately surrounding the property the elevations vary from 800 to 1,300 metres the area immediately surrounding the property

There are several small villages scattered throughout the general project area including San Miguel El Alto, population about 350, located about 16 km south of the property, San Juan de Camarones, population 300, located about 3 km southeast of the property and Vascogil, population about 150, located about 7 km to the south of the property. Living conditions are primitive in this isolated, mountainous area where the roads are sometimes impassable during the rainy season. Running water is sometimes available where sourced from local springs, while electricity can be generated by gas or diesel powered generators. There is no land line based telephone service but cell phone service is available. Economic activity consists of subsistence agriculture and cattle ranching

In the event that a mine is established at the site, the majority of the workforce, and also the necessary services, will come from larger population centers such as Durango, Mazatlan, or Culiacan, etc.

There appear to be no issues regarding the sufficiency of surface rights for mining operations. The availability and sources of power, water, mining personnel, potential tailings storage areas, potential waste disposal areas, heap leach pad areas and potential processing plant sites are all unknown at this time. These details will need to be addressed as part of ongoing exploration on the property.

6 History

Much of this historical understanding comes from Arcelia Gold and the author has relied on this information and has not been able to independently verify any of the historical numbers provided by Arcelia. The author was given an excel spread sheet with 456 rock/soil/stream sediments assays and locations, however in that database the year the sample was taken and what company took the sample was not indicated. Based on the information to date it appears that the these 456 samples taken on the property where taken some time between 2006 and 2010 (Seen appendix B)

Mining activity in the `El Centenario` district was quite extensive in the late 1600`s and early 1700`s when Spaniard Colonialists ruled Mexico. Remnants of historical small workings, including pits, adits, tailing piles, shafts, tunnels and hand-powered mills (tahonas) are found around and on the property. More recent records, dating back to the early 1950`s, consisting mainly of rock assay results, production data and government geological study reports, have been collected and kept by Sr. Filiberto Torres. This data, although it has little importance, has been re-organized and is available for review in Arcelia's office in Durango city.

After the Mexican Revolution, in the early 1900`s, many of the small-scale operations in the area were gradually shut down and abandoned. Small scale, on and off, artisanal mining activity resurfaced in the area between 1950 and 1975 where several of the , gold-silver, vein structures such as the ones found at the La Esperanza, La Trinidad, Santa Margarita and Cerro La Vainilla prospects were exploited.

6.1 The Santa Margarita Showing

Located 6 km east of the town of San Juan Camarones (See Figure 3), the Santa Margarita is a gold-silver showing, low-sulphidation epithermal vein system that strikes N-NE and dips between 45 and 65 degrees to the west. The surface trace of the vein structure has been recognized for more than 1.5 km along strike. There are abundant small mine workings, pits and adits associated with the mineralized structure. In the latest exploration program completed to date (2007), field geologists confirmed the strike extent of the Santa Margarita vein system and found another important mineralized structure (Santa Margarita West) located 500 metres west of the south end of the Santa Margarita structure (See Figure 3, 4, 5 and 6).

The mineralization of the Santa Margarita vein ranges between 1.0 and 2.0 metres in width and can be divided in two distinct components: a 40 to 60 cm wide quartz-limonitic oxidized core and 1to 1.5 metre-wide limonitic breccias zone that sits mainly on the foot-wall. The main mineralized structure is open at both ends and is believed to extend more than 2.0 km along strike. The fracture-filling vein structure outcrops through the younger rhyolitic rocks (Upper Volcanic Sequence) more to the north, at elevations greater than 2,200 ,metres. From here the Santa Margarita structure extends for more than 1000 metres south, down to 1800 metres of elevation, cutting through the underlying andesitic rocks (Lower Volcanic Sequence).

In 2007 Arcelia Gold sampled the northernmost vein outcrop of the Santa Margarita structure and found in a small creek drainage 100 metres east of the `Campamento La Línea`, an old, run-down, mining shack sitting on a ridge top, at more than 2,200 metres in elevation. At this particular location, the vein is approximately one metre wide, dips moderately to the west and cuts through a package of argillitized rhyolitic tuffs. The rock channel samples taken across this outcrop returned anomalous grades of Au with Ag values ranging from 3 ppm to 234 ppm Au and 1 to 189 Ag. See table 7 for select assays. The complete assays are in appendix B. Arcelia believes that this northern portion of the Santa Margarita vein sits in the upper levels of the low-sulphidation epithermal system.

About 1.5 to 2 km further north of the `Campamento La Línea`, another N-S trending vein structure, one that appears to line up with the Santa Margarita structure, is found at the bottom of Arroyo Boca del Infierno canyon.

To the south end of the Santa Margarita structure, at lower elevations (1900m) is one of the most important historical workings that exists along the Santa Margarita vein system, called *Via Reales*: This system contains several sub-parallel mining adits, located at different levels that exploited portions of the Santa Margarita vein structure. The *Via Reales* zone is located about 1,200 metres south of `Campamento La Línea`, and is about 300 metres lower in elevation (1,900 m) than the `Via Reales` mine workings.

One short-lived operation, dating back to 1966 by CRM (Consejo de Recursos Mineros) excavated a 5 m wide, 10 m deep, 100 metre-long block of the Santa Margarita vein structure at *Via Reales*. The reported head assay grades ranged 1.28 g/t to 15.87g/t Au with an reported average 5.32 g/t Au, and range of 32 kg/t Ag to 1217g/t with an average of 210. Later in 2007, Arcelia obtained several rock channel samples taken from some of the vein exposures that returned anomalous gold and silver values. See table 7 and figure 6

Cautionary statement: Investors are cautioned that the potential quantity indicated above has not been verified by the author nor does it comply with the current NI 43-101 standard. It has been provided only for illustration purposes. At this time, there is insufficient public information to verify the information.

In the southern part of the area, near the *Via Reales* drift, there is a 30 to 40 metre wide zone of quartz stockwork outcropping in the footwall rocks of the structure. The workings here are more than 60 metres long. Bad air, water and cave-ins did not allow Arcelia to sample inside the *Via Reales* portal. Earlier, a local prospector cut a rock chip sample from a small oxidized shear zone, 20 metres up slope from the drift that returned 3.5 oz/T gold and 128 g/t silver.

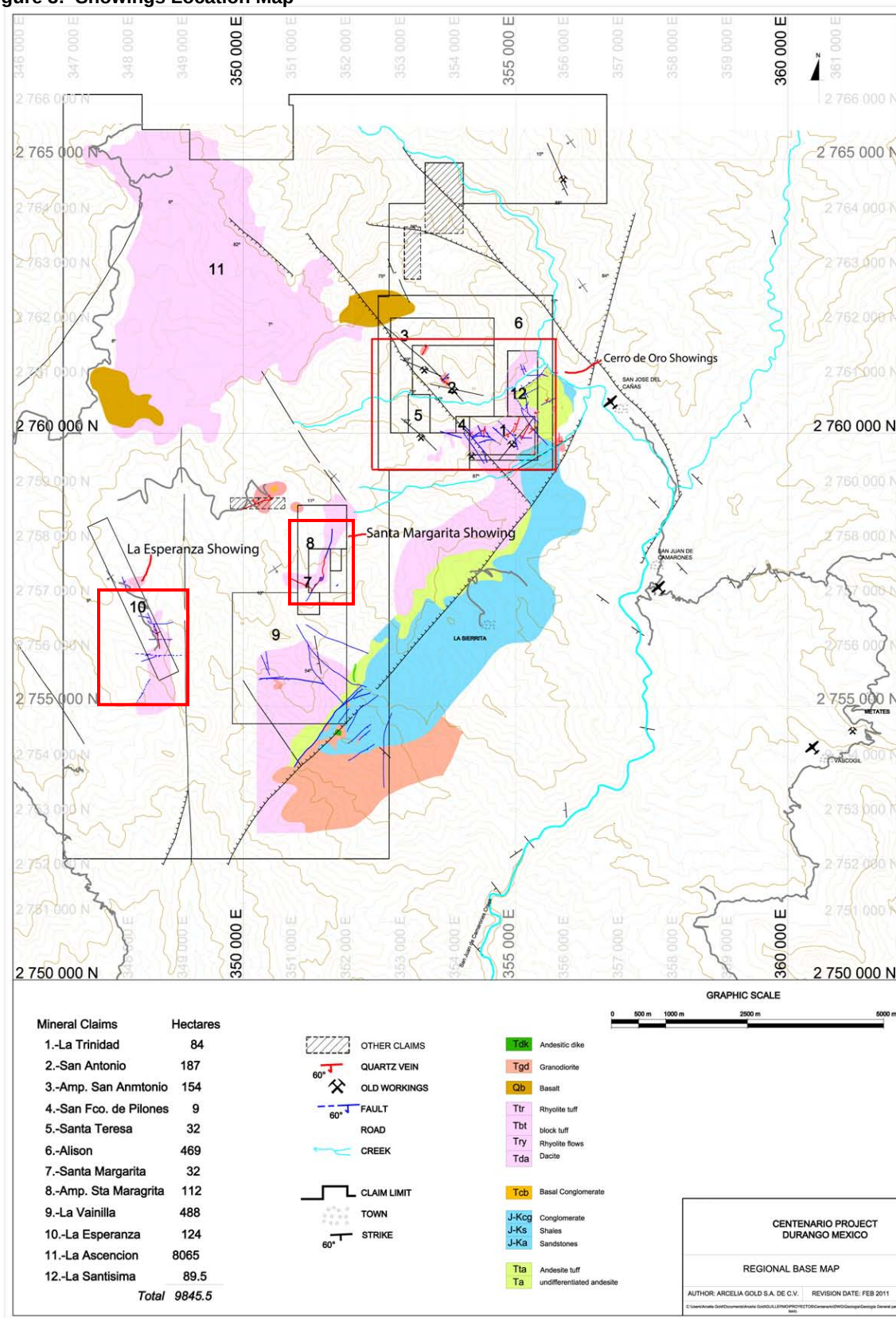
Cautionary statement: Investors are cautioned that the potential quantity indicated above has not been verified by the author nor does it comply with the current NI 43-101 standard. It has been provided only for illustration purposes. At this time, there is insufficient public information to verify the information.

Table 7: Select Assays for Santa Margarita

Sample No	Target	UTM_E	UTM_N	Type	WIDTH(m)	Au ppm	Ag ppm	Zn ppm	Pb ppm	CU ppm
17445	Margarita	351400	2757516	Channel	0.35	2.36	17.7	17500	1470	12
17447	Margarita	351394	2757496	Channel	0.55	1.95	31.9	12800	3940	49.7
17448	Margarita	351365	2757386	Channel	1.2	6.5	36.9	29900	22700	
17450	Margarita	351365	2757391			12.35	140	39500	41300	5.7
17521	Margarita	351337	2757591	Channel	2.6	3.26	6.4	9220	2350	28
17522	Margarita	351387	2757628	Channel	0.6	6.25	10.9	23400	724	
17528	Margarita	351357	2757233	Channel	0.6	2.93	76.2	876	767	762
17534	Margarita	350998	2757126	Channel	2.6	3.19	2.3	298	184	124
17536	Margarita	350989	2757123	Channel	1.3	2.71	3.5	428	249	185
17541	Margarita	350960	2757252	Float		6.94	98.9	4470	1965	
17548	Margarita	350917	2757156	Channel	1.1	2.28	5	34300	19500	11
18001	Margarita	351364	2757404	Channel	0.91	1.18	10.8	1430	605	
18002	Margarita	351364	2757404	Channel	0.35	8.9	36.7	41700	29200	7
18004	Margarita	351364	2757414	Channel	1	6.98	32.6	7120	1970	
18007	Margarita	351370	2757360	Channel	1.3	26.5	25.9	3680	3120	120
18008	Margarita	351358	2757257	Channel	1.25	3.36	3.7	703	326	133
18009	Margarita	351358	2757250	Channel	1.2	7.84	51.2	2790	1050	
18010	Margarita	351358	2757250	Channel	1.3	6.79	62.1	2300	687	
18011	Margarita	351358	2757250	Channel	1.2	6.92	119	4100	4900	
18012	Margarita	351358	2757230	Channel	0.3	31.2	121	4880	6350	20
18013	Margarita	351358	2757217	Channel	1.75	2.97	38.9	1680	1110	77
18017	Margarita	351326	2757221	Channel	0.7	1.13	9.2	404	593	
18018	Margarita	351326	2757221	Channel	0.8	12.1	81.6	9510	115	1910
18020	Margarita	351322	2757209	Channel	1.2	19.1	10.1	3200	1160	163
18024	Margarita	351314	2757188	Channel	1	15.9	110	3040	1020	85
18035	Margarita	351363	2757208	Channel	1.5	1.2	86.4	2080	1630	
18048	Margarita	351296	2757200	Channel	0.9	1.5	94.6	4340	1085	7
18049	Margarita	351297	2757200	Channel	1	1.21	210	3440	807	5.1
18051	Margarita	351296	2757198	Channel	1	2.26	107	5410	2630	12
18053	Margarita	351294	2757196	Channel	0.75	1.51	223	7770	3460	18
18054	Margarita	351290	2757188	Channel	1.1	2.68	39.3	2580	459	213
18056	Margarita	351289	2757184	Channel	1.1	9.38	39.6	7720	1680	12
18059	Margarita	351307	2757175	Channel	1.6	1.08	174	5500	1025	57
18069	Margarita	351267	2757140	Channel	0.8	2.5	21.3	1910	527	703
18070	Margarita	351269	2757140	Channel	1	1.09	21.8	359	249	
18117	Margarita	351032	2757111	Channel	0.5	4.04	1	692	143	55
18121	Margarita	351005	2757130	Channel	0.4	12.5	3	797	221	10
18122	Margarita	351005	2757129	Channel	0.9	2.1	1	270	147	61
18124	Margarita	350950	2757164	Channel	1.2	3.45	39.7	13500	8830	171
18125	Margarita	350950	2757164	Channel	1	3.93	5	2250	667	43
18131	Margarita	350779	2757232	Channel	0.4	8.3	42.2	8540	5870	
18132	Margarita	350779	2757232	Channel	0.7	4.81	189	1890	1580	

Full assays are in appendix B

Figure 3: Showings Location Map



This map is to be for the location map for the preceding maps

Figure 4: Santa Margarita Maps

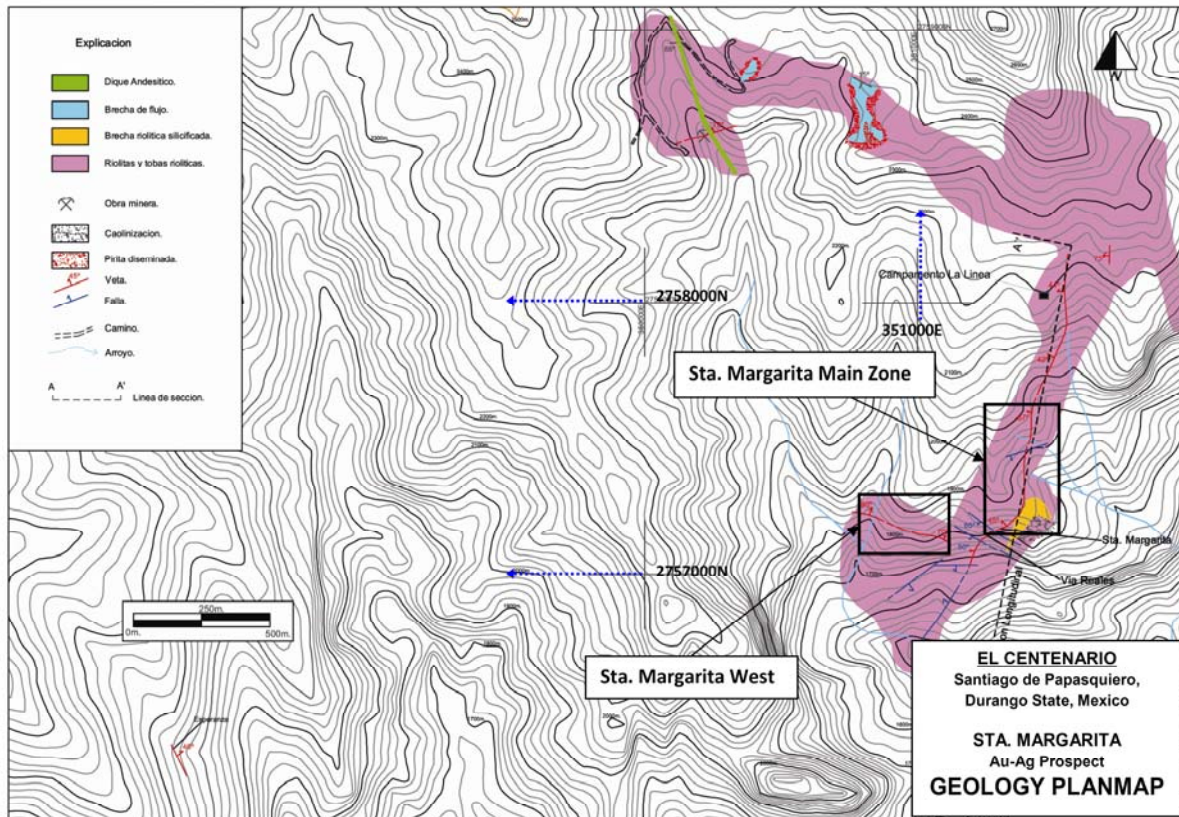


Figure 5: Santa Margarita West Sample Locations

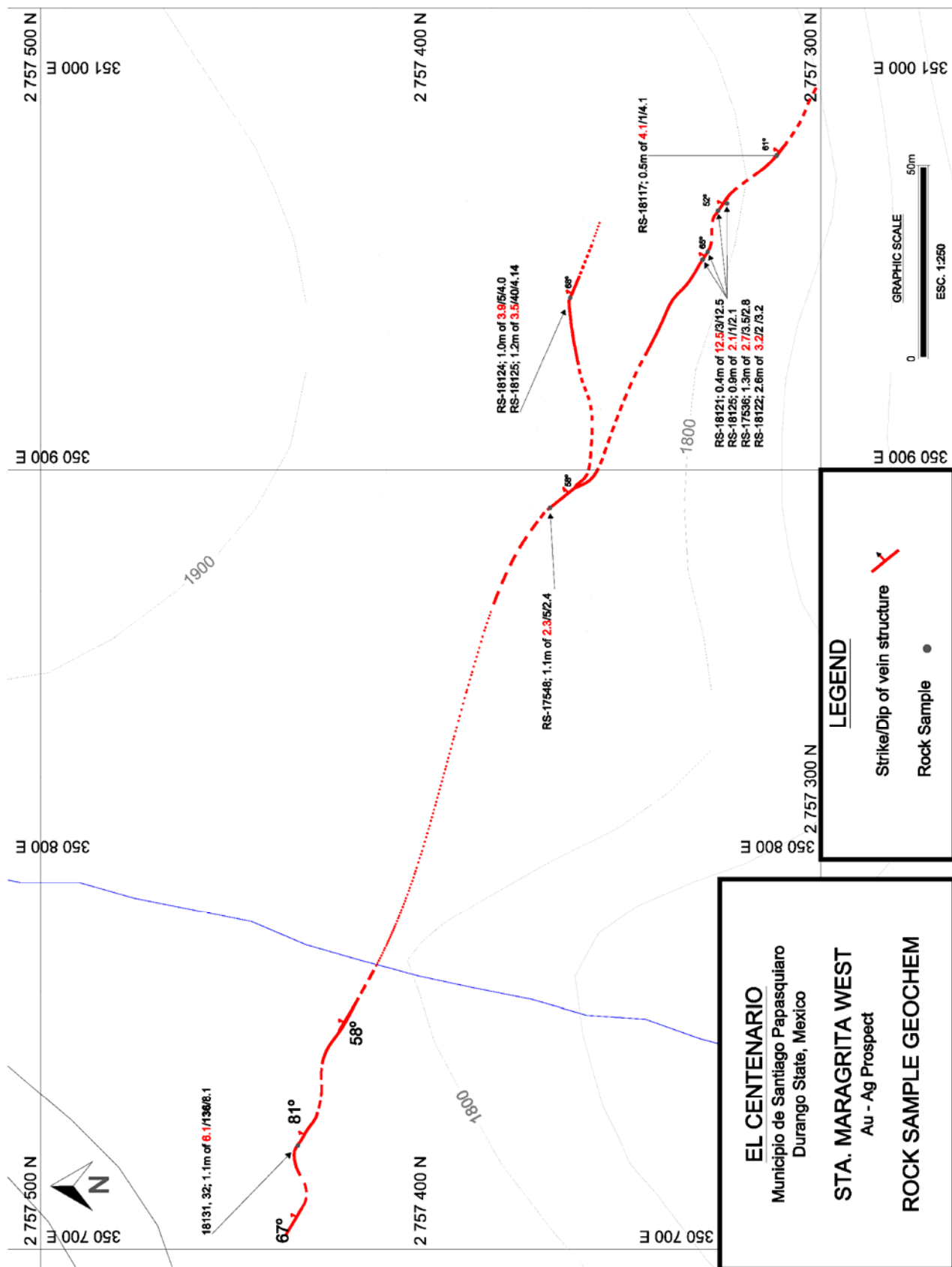
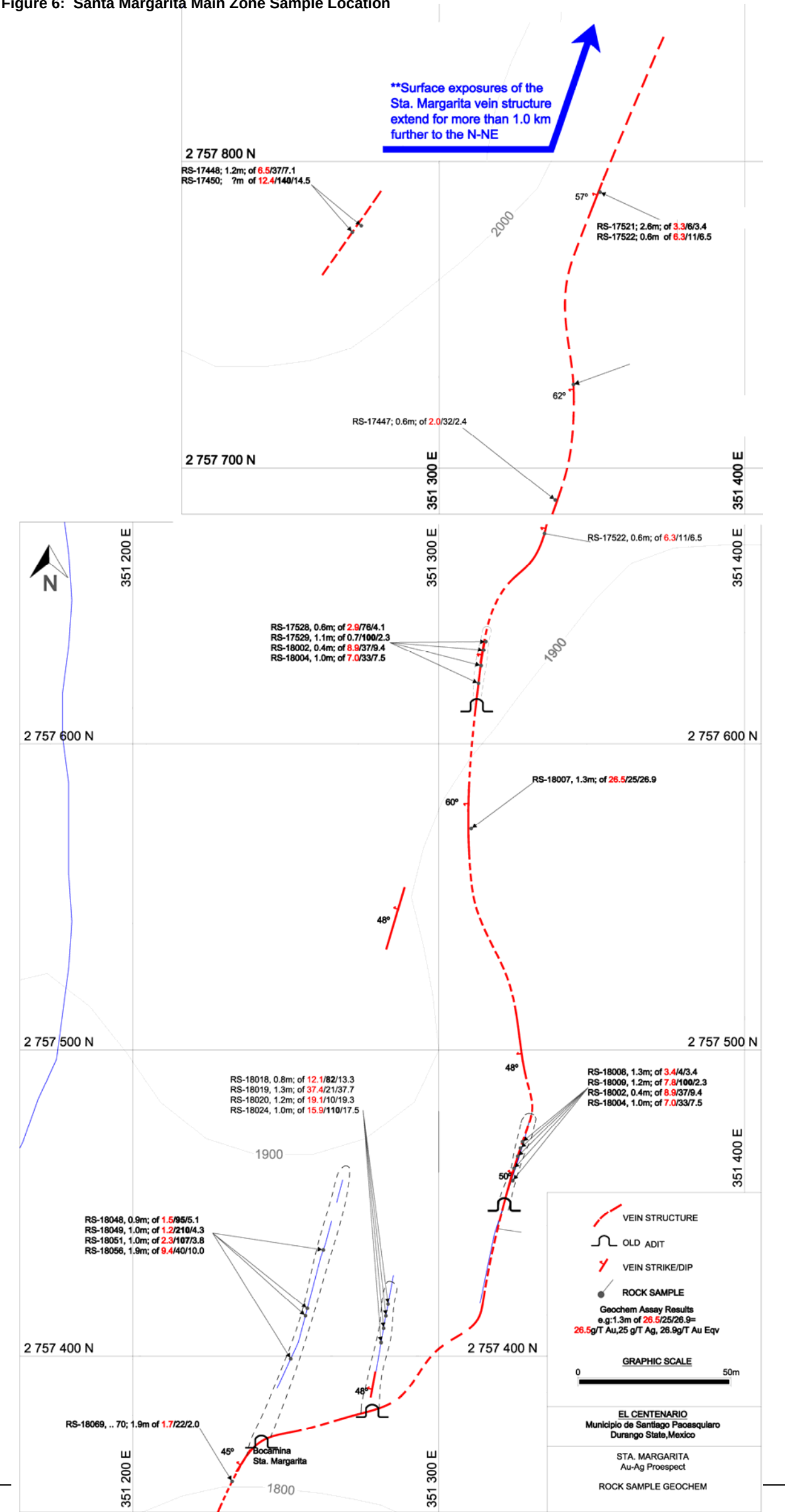


Figure 6: Santa Margarita Main Zone Sample Location



Another old workings consisting of a tunnel and mine dumps is said to exist 250 metres further south and lower down (1,820 metres elevation) The `Via Reales`, along the creek bed of the *Arroyo el Carbón*. As of today, has not been to be visited and reviewed by a geologist. In the late 1970`s, a small Mexican company called *Minera Real de Carmen S.A.*, visited the area and collected 2 bulk composite samples from the dump material, and a series of rock chip samples taken across a 2 metre wide breccia structure crossing the creek bed. The assay results reported were as follows.

<u>Sample No.</u>	<u>Width(m)</u>	<u>Au(g/t)</u>	<u>Ag(g/t)</u>
Composite no.1	---	9.0	591
Composite no.2	---	19.6	470
Channel breccia strx.	2.0	13.0	352

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6.2 La Esperanza Showing

The `La Esperanza` showing is located in the central-northwest corner of the `El Centenario` claim bloc. The mineralization outcrops at elevations ranging between 2,000 and 2,300 metres. The showing is an Ag-Au-Zn-Pb quartz vein structurally-controlled mineralized system closely associated with a prominent northwest trending regional fault structure that cuts through the Upper Volcanic dacitic to rhyolitic rocks (Figure 7 and 8)

The `La Esperanza` showing is an Ag-Au-Pb-Zn quartz vein that is a structurally-controlled epithermal mineralization, that averages 3.0 metres in width and extends for more than 2 km along a N-NW trending strike (see Figure 8) .

The earliest geological report available on `La Esperanza`, dates back to 1966, and was produced by Ing. René Payan of the `Instituto Politécnico Nacional`. In his report, Mr. Payan states that the `La Esperanza` prospect is 0.5 to 3.0 metre-wide, tabular-type deposit, extending for 3 km along strike and containing precious metal grades that average around 2.0 g/t Au and 2.6 kg/t Ag. He also noted the existence of broad zones of disseminated mineralization, located along the foot and hanging walls of the structure, and also within hypabyssal intrusive rocks found peripheral to the mineralized system.

Ten years later, in 1977, Ing. Hildeberto Sandoval of the `Consejo de Recursos Minerales` of Mexico, visited the La Esperanza prospect and collected 2 samples, one from old tailings that returned 5 g/t Au, 2.1 kg/t Ag, 6.5% Pb and 7.1% Zn, and another 1.5 metre-wide channel rock sample that returned 1 g/t Au, 575 g/t Ag, 2.9% Pb and 1.4% Zn. In his report, Mr. Sandoval reiterates that La Esperanza is a promising, high potential prospect hosting a high-grade mineralized structure averaging 5m in width, and extending more than 2.5 km along strike.

In 2004, geologists from Nevada-Pacific Gold Ltd. visited the La Esperanza prospect and signed a letter-of-intent with the concession owner with respect to acquiring the `El Centenario` property. Nevada-Pacific then completed a short-lived surface sampling program focused exclusively on the more accessible La Esperanza prospect. The geologists reported the existence of two major, semi-parallel vein systems at La Esperanza. The Nevada-Pacific Gold surface channel samples,

taken along a 200 metre-long segment of the zone, returned grades of up to 2.3 g/t Au and 1 kg/t Ag.

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The La Esperanza prospect area is located at elevations exceeding 2,000 metres. The mineralization is hosted and is reported to be controlled by a regional fault structure. The regional fault cuts a series of dacite rhyolite rocks that belong to the younger Upper Volcanic Sequence. Locally, the mineralized structure occurs in a series of blocky to flow-banded rhyolites that are cross-cut by younger andesite dikes. The core of the La Esperanza structure varies from 0.5 to 4.0 metres in width, dips moderately to the northeast and extends for more than 2.5 km in strike. Geochemical assay data from Arcelia Gold (2007) work surface sampling programs confirm the existence of mineralization along the structure. For example, one rock channel sample, taken across the vein structure returned 3.3 metres of 1.3 g/t Au, 1850 g/t Ag, 5.2% Pb and 7.7% Zn. (See table 8 and figure 8).

In his work, Ing. Payan (1966) suggests that the genesis of the mineralization seen at La Esperanza, like almost anywhere else in the district, is related to a series of hypabyssal intrusive rocks that formed along annular, semi-circular fractures that are associated with a large caldera feature centered over the San Juan de Camarones district. These intrusive stocks are believed to host significant disseminated mineralization.

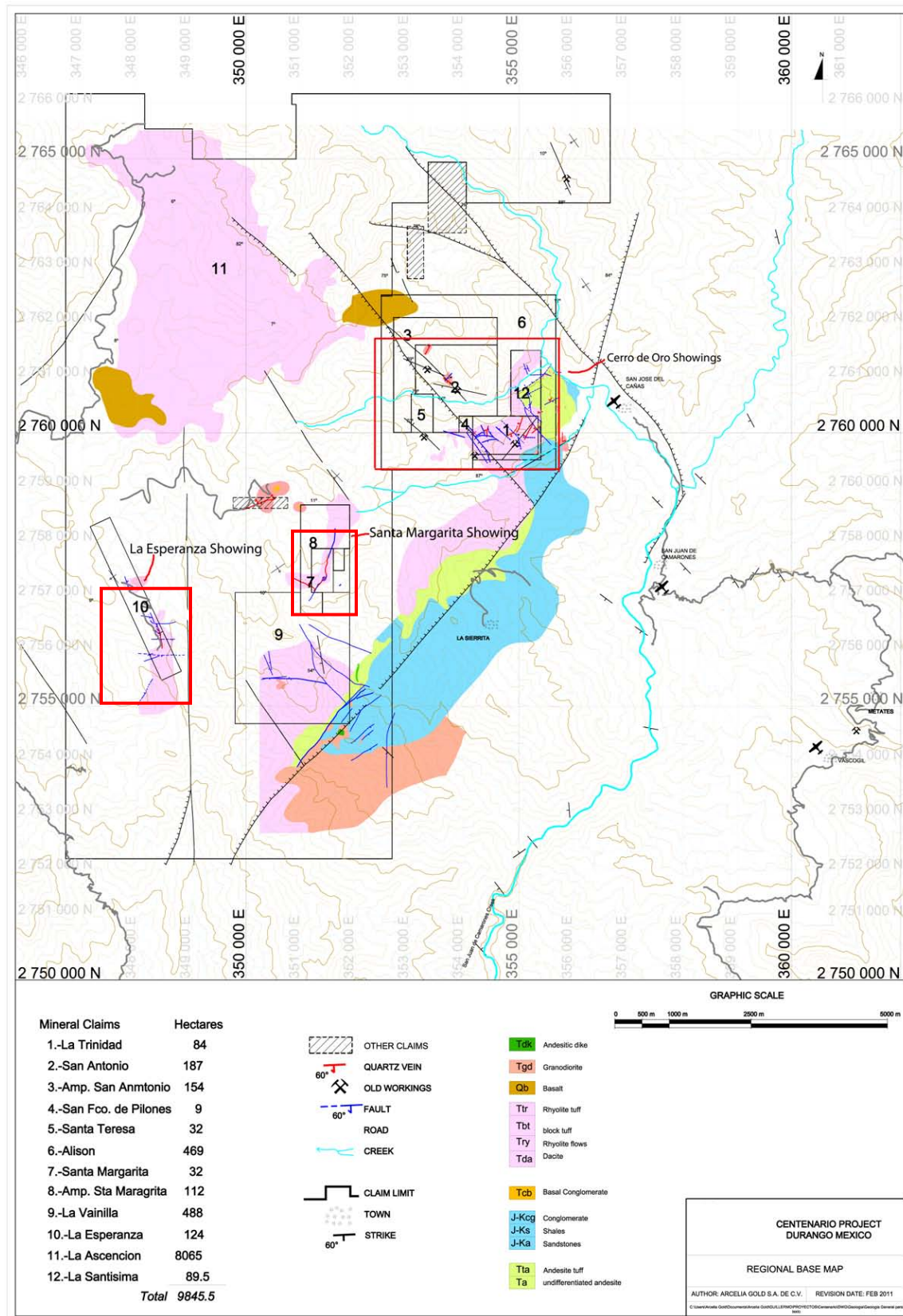
Geologically, the La Esperanza prospect has striking similarities to Minera Peñoles' company jewel, the 'La Cienega' mine, located about 15 km to the northeast. The 'La Cienega' deposit, like the La Esperanza prospect, is a structurally-controlled, Ag-Au-Pb-Zn mineralized system, that outcrops in a higher elevation environment, within the younger rhyolitic rocks of the Upper Volcanic Sequence. The mineral resources of the 'La Cienega', a producing mine that is still in operation today, exceed 2M oz of Au Equiv.

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In 2006, Fund Minerals S.A. de C.V., a Mexican-based, privately-owned, mineral exploration company, completed a small reconnaissance mapping and sampling program on the 'La Esperanza' prospect. More recently, in June 2009, H. Mendoza, a senior consultant geologist, for Arcelia Gold completed a short exploration work program that included mapping the area of interest in more detail and collecting a series of representative rock channel samples. Most of the surface rock channel samples were collected from a series of existing small pits and trenches, located along a 500 m long segment of the 'La Esperanza' structure. Some of the samples were not truly representative of the structure's grade because of very poor outcrop exposures.

Both the latest and the previous assay results confirm the presence of a structurally-controlled, poly-metallic mineralized system at 'La Esperanza'. Most existing geological reports claim that the 'La Esperanza' prospect is a mineralized structure that extends for more than 2 km along strike. Nevertheless all of the known exploration work done to date was exclusively focused on a 500 m long portion of the regional structure where the old pit workings are found. Obviously, much more exploration work is needed to better evaluate 'La Esperanza's' size and true potential.

Figure 7: Showings Location Map



This map is to be for the location map for the preceding maps

Figure 8: La Esperanza Showing

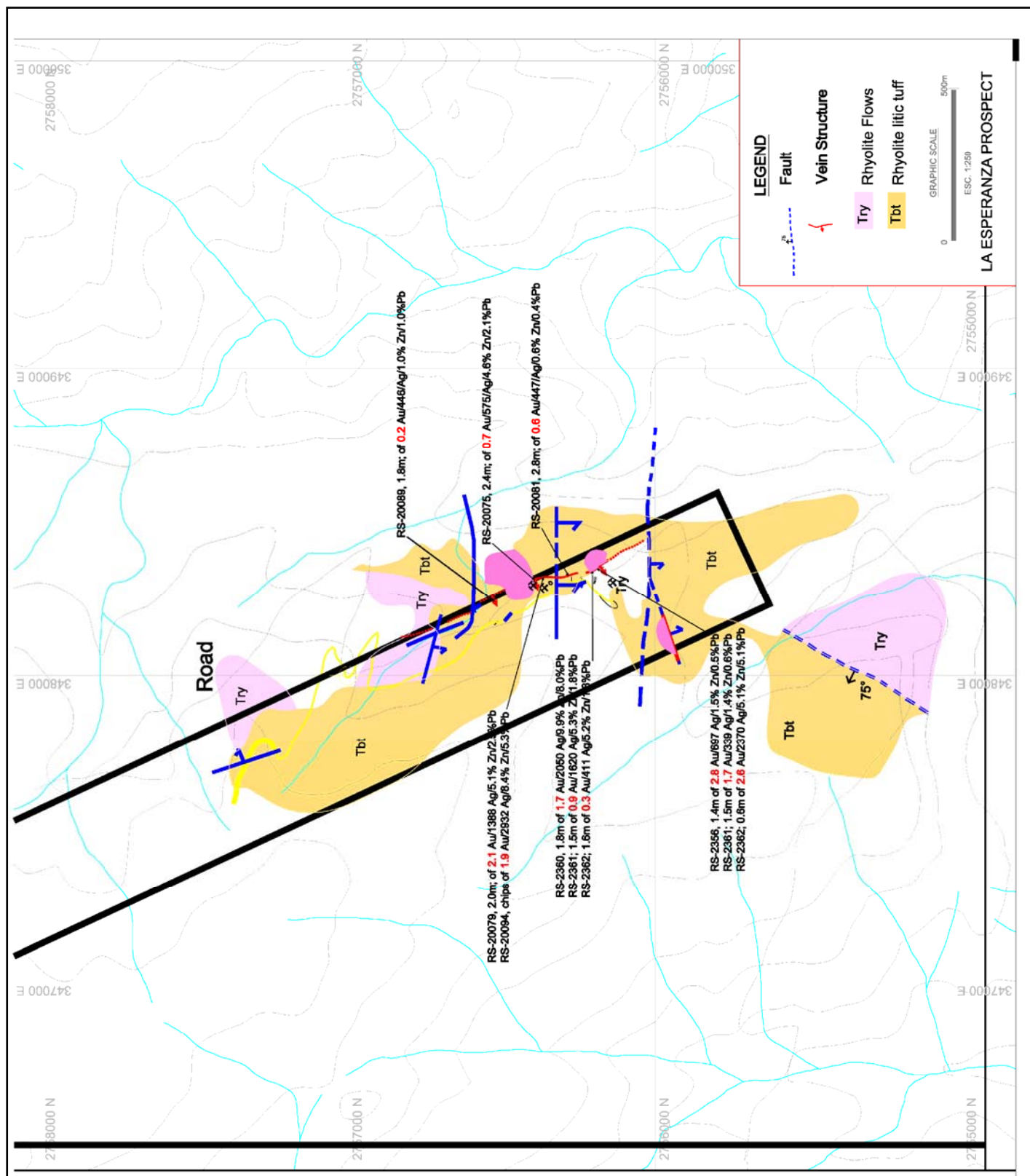


Table 8: Select Assays for La Esperanza

Sample No	Target	UTM_E	UTM_N	Type	WIDTH(m)	Au ppm	Ag ppm	Zn ppm	Pb ppm	CU ppm
2354	La Esperanza	348340	2756003	Channel	1.40	0.005	14.2	645	254	30
2355	La Esperanza	348385	2756014	Channel	2.00	0.006	19.9	683	222	49
2356	La Esperanza	348342	2756014	Channel	1.40	2.76	697	15000	5370	818
2357	La Esperanza	348344	2756019	Channel	1.50	1.65	339	14300	6240	724
2358	La Esperanza	348349	2756019	Channel	0.60	2.58	2370	50990	50900	2390
2359	La Esperanza	348344	2756024	Channel	2.30	0.436	152	9800	2340	559
2360	La Esperanza	348347	2756084	Channel	1.80	1.665	2050	98700	80300	4390
2361	La Esperanza	348349	2756084	Channel	1.50	0.896	1620	52500	17700	2400
2362	La Esperanza	348339	2756154	Channel	1.60	0.318	411	52100	18600	1910
2363	La Esperanza	348330	2756204	Channel	0.50	0.018	25.1	1380	331	66
2364	La Esperanza	348333	2756204	Channel	0.40	0.007	4.2	583	255	26
2365	La Esperanza	348345	2756264	Channel	2.10	0.009	3.6	829	442	20
2366	La Esperanza	348333	2756344	Channel	2.20	0.022	1.6	192	87	25
20075	La Esperanza	348336	2756195	Channel	2.40	0.66	575.0	46400	20700	2730
20076	La Esperanza	348332	2456195	Channel	1.70	1.04	70.7	9507	3624	492
20077	La Esperanza	348334	2756195	Channel	2.45	0.04	13.4	1142	652	95
20078	La Esperanza	348330	2756162	Channel	2.10	0.03	18.7	4122	1380	130
20079	La Esperanza	348332	2756142	Channel	2.00	2.06	1388.0	50800	25000	1980
20080	La Esperanza	348334	2756142	Channel	2.90	0.61	56.2	2998	944	203
20081	La Esperanza	348350	2756073	Channel	2.80	0.63	447.0	5854	4220	787
20082	La Esperanza	348352	2756073	Channel	1.00	0.12	29.6	3211	1608	139
20083	La Esperanza	348347	2756038	Channel	2.20	0.03	8.0	527	192	16
20084	La Esperanza	348348	2756043	Channel	3.00	0.03	17.2	1793	378	60
20085	La Esperanza	348350	2756043	Channel	2.50	0.03	59.8	3162	1020	101
20086	La Esperanza	348359	2755993	Channel	1.30	0.03	0.5	24	26	1
20087	La Esperanza	348353	2755999	Channel	1.90	0.03	2.1	398	564	12
20088	La Esperanza	348350	2755940	Channel		0.20	30.2	11100	3218	228
20089	La Esperanza	348307	2756261	Channel	1.80	0.17	246.0	9906	9844	692
20090	La Esperanza	348299	2756283	Channel	2.00	0.03	2.3	1523	338	17
20091	La Esperanza	348270	2756302	Channel	2.50	0.03	1.1	141	50	6
20092	La Esperanza	348250	2756438	Channel	1.50	0.03	0.9	227	160	15
20093	La Esperanza	348253	2756436	Channel	3.00	0.03	3.6	1159	368	32
20094	La Esperanza	348347	2756151	Channel		1.91	2932.0	83700	53000	2336

Full assays are in appendix B

6.3 The Cerro de Oro Group Showings

The little explored Cerro de Oro zone covers an area of about 4 square kilometres that is centered along a steep and rugged mountain ridge (Cerro de Oro) that forms the south wall of the 3km long, east-west trending, Rio Boca del Infierno canyon (see Figure 9 and Figure 10). The eastern end of Cerro de Oro is located west of the town of San José de Canas, just across Rio San Juan de Camarones. From the river, Cerro de Oro stands out as a prominent topographical feature and rises steeply more than 1,000 metres to the top where some vestiges of old artisanal mine workings are found.

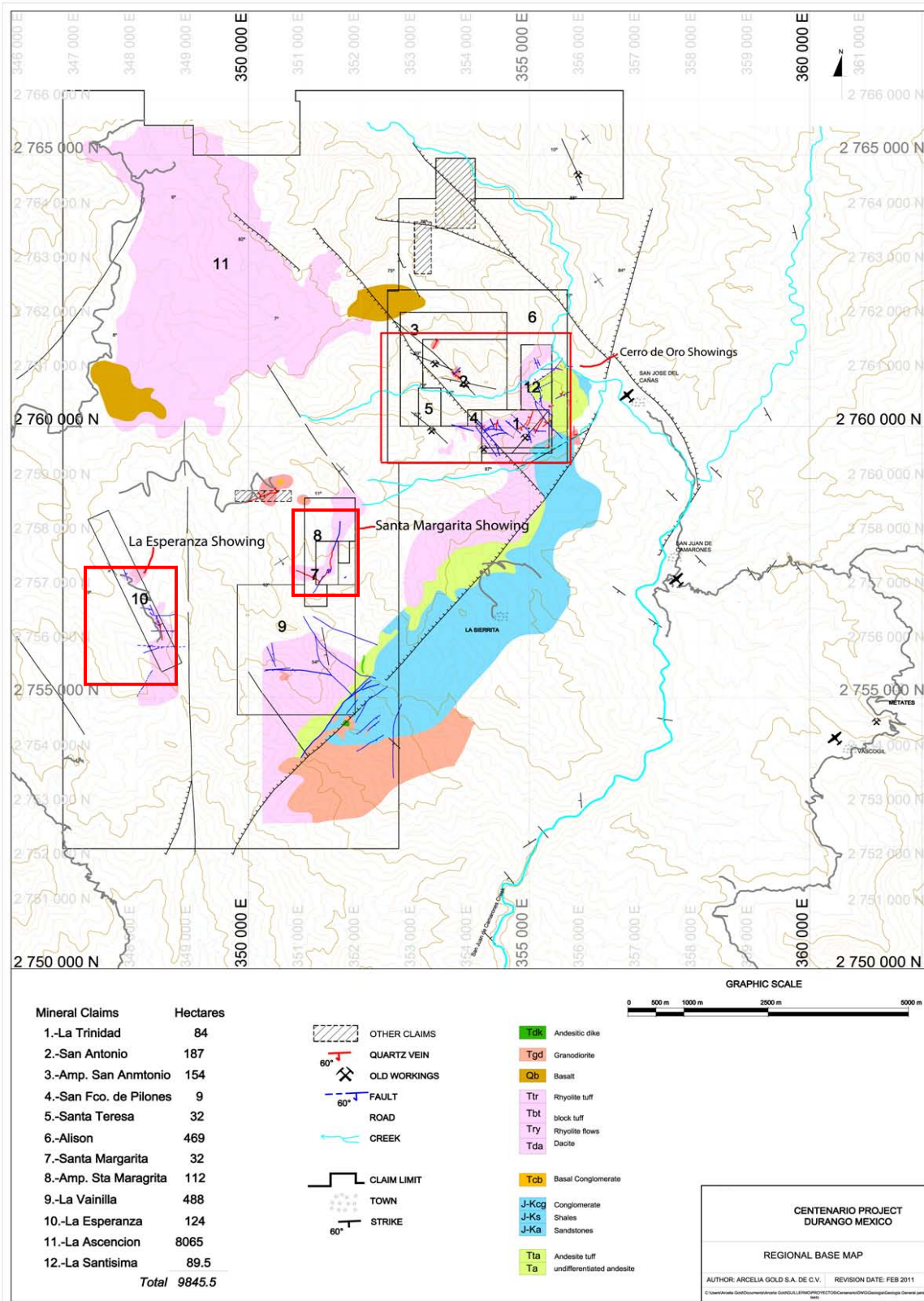
Arcelia Gold reports Cerro de Oro is cut by 60 different vein structures trending N-S, NW and NE. Portions of some of these mineralized structures (La Trinidad, Lluvia de Oro, Santa Teresa, etc.) (figure 10), more easily accessible along the top of the ridge, have been worked on a small scale, at different times since the 17th Century. The surface trace of some of these vein structures extends for more than one kilometre down and across the Boca del Infierno canyon to the north. The difficult terrain and the lack of good access, mainly down and along the Rio Boca del Infierno canyon, has somewhat restricted the extent of the exploration/evaluation work program completed over the area.

The fracture-filling structures are hosted in Tertiary-age volcanic rhyolites-dacites which display strong chlorite- kaolinite alteration. The veins average about one metre in width and consist mainly of banded and sheeted quartz veins/veinlets associated with intense iron-oxide/clay alteration. Some mineralized structures are accompanied by breccia and stockwork zones.

In 2007 Arcelia Gold visited most of the old artisanal mine workings at Cerro de Oro that were locations on the more accessible eastern, upper part of the ridge. This area includes some of the better known prospects such as the Lluvia de Oro-La Quemada vein, and the La Trinidad, Don Trini and San Francisco prospects. Samples taken from these four prospects by Compañía Minera Real de Carmen SA, in the late 1980`s, averaged 9.0 g/t Au and 400 g/t Ag.

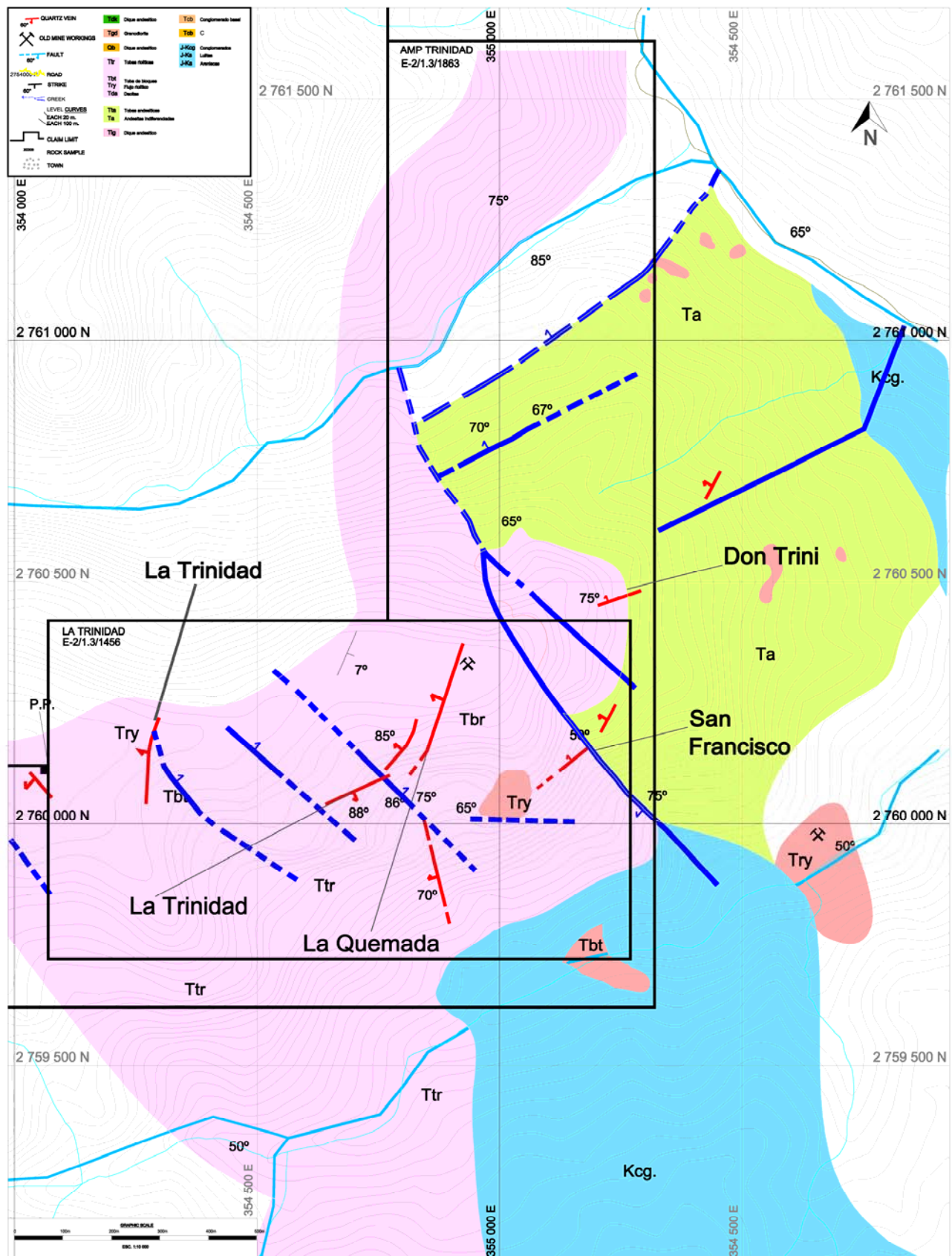
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Figure 9: Showings Location Map



This map is to be the location map for the preceding maps

Figure 10: Cerro de Oro Group Showings



6.4 Other Prospects

6.4.1 North side of Rio Boca del Infierno

Several mineralized vein structures, some probably representing the northern extensions of the sister veins found on the top of Cerro de Oro, have been identified up the north wall of Rio Boca del Infierno, on the southern flank of Cerro El Viejo. Because of the remoteness of the target area, the visit done in 2007 by Arcelia Gold was very short and only a few samples were taken from three of the prospects: Cerro Viejo, La Union and Sabas. The assay results show that the mineralization is dominantly silver with one sample returning 1 metre of 639 g/t Ag and 0.5 g /T Au. (See table 9 and Appendix B) Many more vein structures, although they can easily be seen cutting the southern face of Cerro Viejo, need to be properly located, visited, evaluated and interpreted into the model.

Table 9: Select Assays Cerro Viejo and La Union

SAMPLE no.	Target	UTM_E	UTM_N	Type	WIDTH (M)	Au ppm	Ag ppm	Zn ppm	Pb ppm	Cu ppm
18309	Cerro el Viejo (Sabas)	353391	2761764	Sed						
18310	Cerro el Viejo (Sabas)	53279	2761559	Sed						
18356	Cerro el Viejo (Sabas)	353562	2760907	Channel	1.20	0.005	3.0	112	43	4.9
18357	Cerro el Viejo (Sabas)	353561	2760906	Channel	3.00	0.006	60.0	373	169	19.5
18358	Cerro el Viejo (Sabas)	353571	2760856	Channel	0.80	0.029	79.0	2020	399	65.4
18359	Cerro el Viejo (Sabas)	353657	2760863	Channel	0.90	0.054	84.0	2740	674	97.4
18360	Cerro el Viejo (Sabas)	353567	2760863	Channel	1.70	0.006	13.0	664	247	18.2
18361	Cerro el Viejo (Sabas)	353567	2760863	Channel	3.00	0.008	5.0	201	111	14.9
18362	Cerro el Viejo (Sabas)	353567	2760863	Channel	2.60	0.01	11.0	576	148	38.7
18363	Cerro el Viejo (Sabas)	353566	2760866	Channel	2.80	0.008	11.0	422	157	25.8
18365	Cerro el Viejo (Sabas)	353282	2761822	Channel	1.30	0.107	25.0	3560	1600	89.1
18366	Cerro el Viejo (Sabas)	353282	2761621	Channel	2.20	0.034	19.0	2430	954	60.4
18367	Cerro el Viejo (Sabas)	353218	2761980	Channel	1.00	0.514	639.0	>10000	7800	359

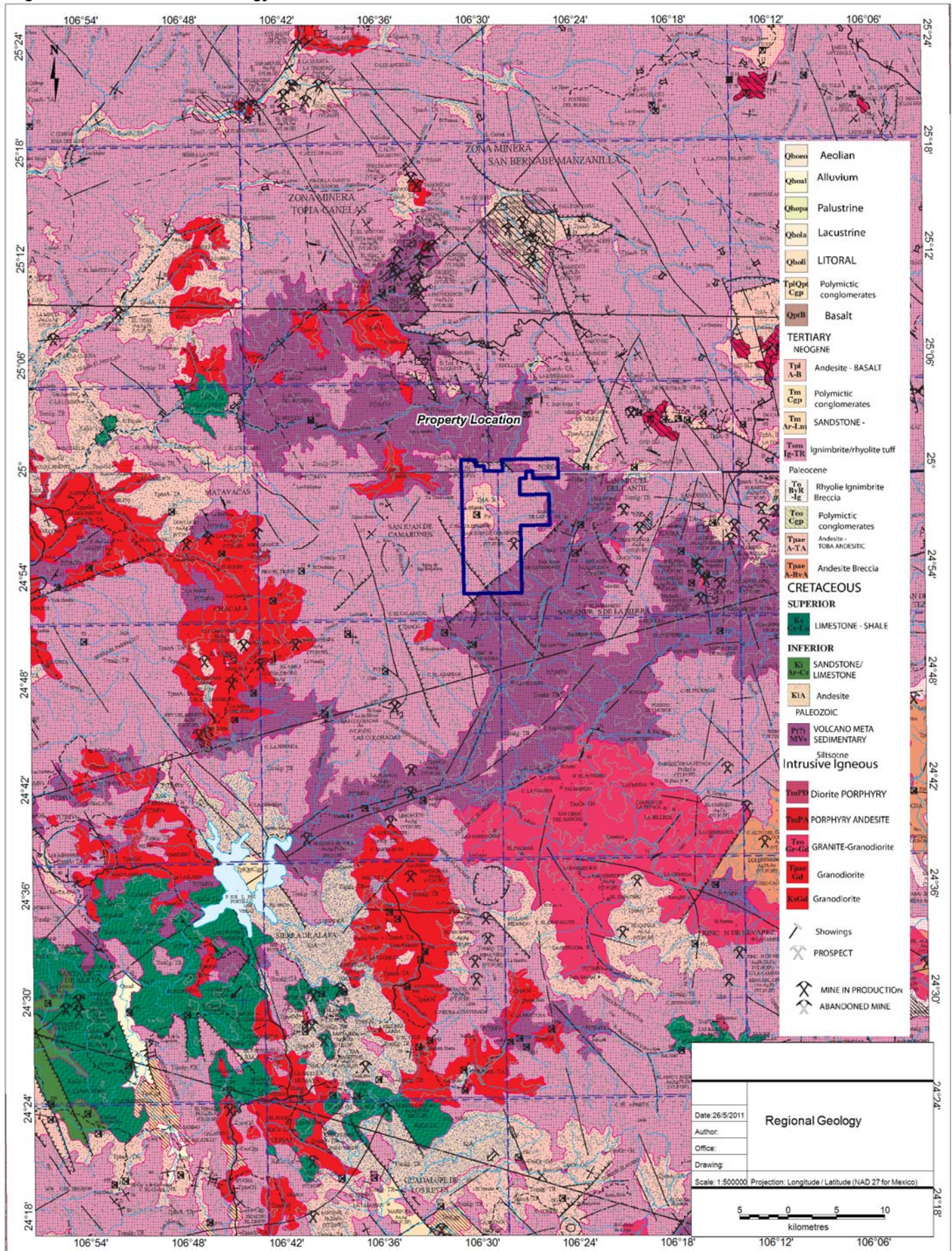
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7 Geological Setting

The regional geology of this portion of the rugged Sierra Madre Occidental is poorly described in the published literature with only reconnaissance-style/regional type government supported maps available at scales from 1:50,000 to 1:250,000. Figure 11 presents a portion of this 1:250,000 scale geologic map. As can be seen on this figure the majority of the Sierra Madre Occidental is underlain by Tertiary age (approx. 25-25 Ma) volcanic rocks which have been divided into the older Lower Sequence comprised of andesite flows and breccias and the younger Upper Sequence comprised mostly of rhyolite ash flow tuffs or ignimbrites.

Locally, the rock sequences range from older (pre-Cretaceous?), thin-bedded sequences of metasediments that include shales, sandstones and siltstones. These rocks are uncomfortably overlain by andesitic to rhyolitic rocks of the Tertiary Inferior and Superior Volcanic Complexes. The mineralization at the `El Centenario` Project is hosted in all types of rocks: the Tertiary volcanics, Cretaceous sediments, dykes and intrusive plugs. Structurally the area is characterized by a set of predominant NW-SE trending faults and a set of N-S and NE-SW trending faults that predate the NW-NE system. Secondary ENE and WNW trending structures are the surface expression of the reactivated basement. Air photos show a series of semi-circular lineaments, most probably faults that area associated with a possible collapsed caldera. These can easily be discerned on a regional scale map.

Figure 11: El Centenario Geology



7 Deposit Type

After Corbett et al., 2002

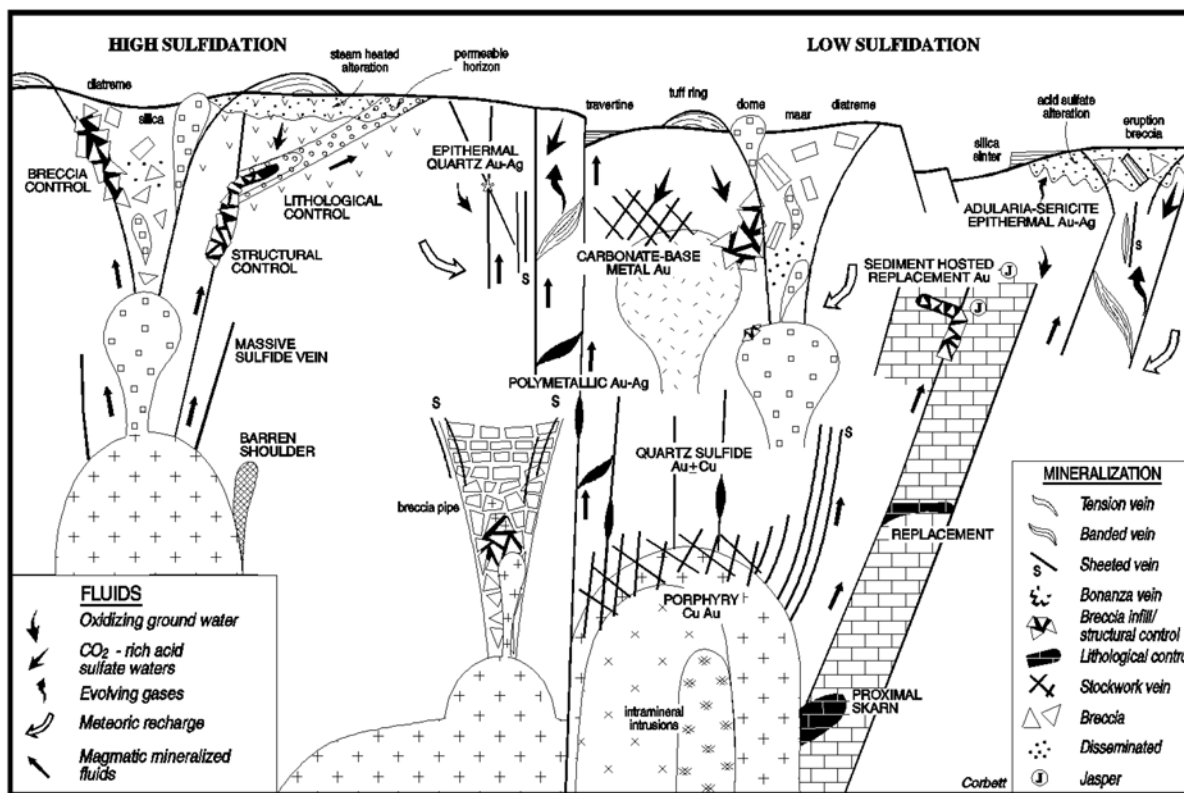
Pacific Cascade Minerals Inc. is exploring for Epithermal gold deposits on the El Centenario Property. Epithermal gold deposits form at shallower crustal levels than porphyry Copper-Gold systems. The deposits can be divided into low and high sulphidation based on gangue, ore mineralogy, and interaction of different ore fluids with host rocks and groundwaters. Low sulphidation deposits are in turn further divided according to mineralogy related to the depth and environment of formation, while high sulphidation systems vary with depth and permeability control, and are distinguished from several styles of barren acid alteration.

Low sulphidation epithermal Gold + Copper + Silver deposits develop from dilute near-neutral pH fluids and are divided into two groups, those displaying mineralogy derived from magmatic source rocks (arc low sulphidation), and others with mineralogy dominated from circulating geothermal fluid sources (rift low sulphidation). The former are classed with decreasing crustal level as quartz-sulphide gold + copper, passing to polymetallic gold-silver veins, carbonate-base metal gold and shallowest epithermal quartz gold-silver. These ore types are zoned with shallower styles overprinting the deeper low sulphidation adularia-sericite epithermal gold-silver systems that comprise the rift low sulphidation style. These are dominated by gangue mineralogy deposited from meteoric water rich circulating geothermal fluids, typically formed in rift settings. Sediment hosted replacement gold deposits are interpreted to develop from low sulphidation fluids in reactive carbonate bearing rocks.

High sulphidation systems are defined by characteristic alteration and mineralisation (Corbett and Leach, 1999; Sillitoe, 1999; White and Hedenquist, 1995). High sulphidation gold deposits are the major producers in the Andes of South America (e.g. Yanacocha, Pierina, El Indio, La Coipa), and represent some significant undeveloped resources (e.g., Pascua-Lama-Veladero, Chile-Argentina). In the SW Pacific, some high sulphidation systems have been significant Copper-Gold producers (e.g., Lepanto, Monywa), while others are noted for high gold values (e.g., Chinkuashih, Taiwan; Mt Kasi). Some have been smaller producers in oxide ore (e.g., Nansatsu deposits, Gidginbung, Peak Hill), while others represent significant undeveloped prospects (e.g. Wafi, Nena, Miwah)

The term epithermal is therefore used in field exploration studies to describe Gold $\pm$ Silver $\pm$ Copper deposits formed in magmatic arc environments at elevated crustal settings, most typically above the level of formation of porphyry Cu-Au deposits (typically < 1 km), although in many instances associated with subvolcanic intrusions. Higher level epithermal deposits are commonly formed later in a deposit paragenesis, and may be telescoped upon deeper earlier formed deposits, including in some instances porphyry systems which are older, or part of the same overall magmatic event (Corbett et al., 2001).

Figure 12: Epithermal Gold Deposit Model



After Corbett 2002

8 Mineralization

Pacific Cascade has not identified any economic mineralization on the property. Any historical mineralization identified prior to Pacific Cascade ownership can be found in the History section of this report.

The relevant geological controls, detailing length, width, depth and continuity, together with a description of the type, character and distribution of the mineralization, are not known at this time.

9 Exploration

Pacific Cascade has not undertaken an exploration program on the El Centenario as of the date of this report.

10 Drilling

To date Pacific Cascade has not conducted any drilling on the property. Arcelia has only conducted reconnaissance exploration with no drilling to date.

11 Sampling Method & Approach

Pacific Cascade Minerals Inc has not undertaken exploration on the Property therefore the author is unable to comment on the companies sampling method.

The author is unable to comment on the quality control measures utilized by previous workers. This information was not noted in the reports reviewed by the author. The convention would be to collect duplicate samples and insert blank and known standards into the sample stream. Additionally, separate laboratories would be used to check for inter-laboratory variations. These would be examined statistically to see if the blanks returned true zeros, the duplicate samples returned reasonably similar results and that the laboratory standards were reported within reasonable accuracy.

However, the database provide by Arcelia shows that a duplicate sample was taken approximately one every ten samples. These duplicate samples show a high degree of correlation with the original sample.

In an effort to duplicate the results from Arcelia, the author collected samples from a number of previously sampled locations. The author is of the opinion that the 9 samples collected during the site visit are of sufficient quality and are representative of the locations where they are taken.

Based on the size of the property, and the fact that it is an early stage exploration program, the author is of the opinion that the nature, spacing and density of the samples taken to date are appropriate for this type of exploration project.

The author is of the opinion that the description of sampling methods and details of location, number, type, nature and spacing or density of samples collected, and the size of the area covered are all adequate for the current stage of exploration for the Property

There was no bias in the sampling program completed during the property visit which was undertaken to test the repeatability of sample results obtained from previous sampling campaigns. The program was designed by the author solely as a quality control measure.

At the current stage of exploration the geological controls and true widths of mineralized zones are not known and the occurrence of any significantly higher grade intervals within lower grade intersections has not been evidenced.

12 Sample Preparation, Analyses & Security

The author collected 9 rock samples from the property. All samples were located using a hand held GPS (see Figure 9 for sample locations and Table 10 for sample details and descriptions). All samples were collected using a hammer and chisel and placed into poly ore bags, sealed with a zap strap (zip tie) and shipped to SGS de Mexico in Durango, Mexico (an accredited lab pursuant to NI 43-101).

SGS de Mexico in Durango the rock samples were crushed to -10 mesh followed by pulverizing a 250-gram split to -150 mesh (95%). A 30-gram cut of the -150-mesh material from each

sample was then analyzed. Then the samples are analysed by Inductively Coupled Plasma (ICP-14B) for 35 elements. Gold and silver are tested by Fire Assay, with an Atomic Absorption or Gravimetric finish depending on grade (FAG323) and silver is tested by Atomic Absorption Spectrometry (AAS). Each method has a lower and upper calibration range for which the results are accurately determined.

Sample results falling out of the calibration range for the elements Au, Ag, Pb, Zn, Cu and As are re-analysed by methods with higher calibration ranges. This is true for silver >300 g/t, gold >10 g/t, and Pb, Zn, Cu and Ba >10,000 ppm.

SGS also performs a "duplicate analysis" on every 12th sample, insuring that there is at least one duplicate run with every batch.

The author is satisfied with adequacy of sample preparation, security and the analytical procedures used in the collection of the 9 samples during the site visits. The author is unable to discuss sampling by Arcelia due to lack of information available on their sampling procedures and protocols. However, the samples collected by the author appear to replicate previous sampling results which suggests that sample preparation, security and the analytical procedures employed are congruent with industry standards.

13 Data Verification

The author visited the property on May 10th 2011 accompanied Hermilo Mendoza Hernandez Eng., Senior Geologist for Arcelia. The geological work performed in order to verify the existing data consisted of rock chip sampling, visiting reported approachable old workings and on-site discussions.

Field descriptions of the samples collected during the visit to the property visit are provided in Table 10 with a location map in Figure 13.

Table 10: Field description of the samples

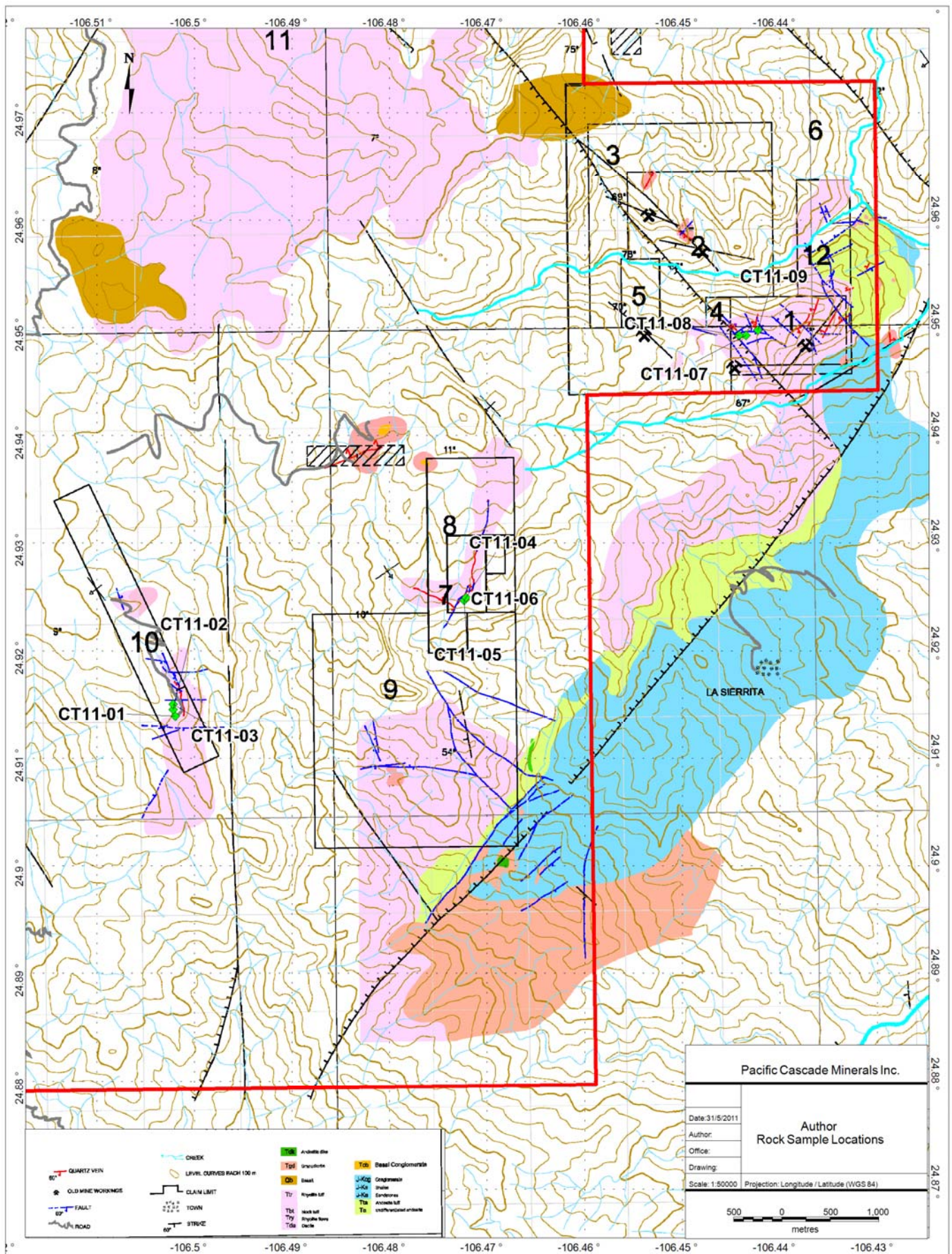
Sample no	Repeat Sample Number	NAD83N	NAD83N	Sample Type	DESCRIPTION
CT11-01	20081	348305	2756271	Grab	Rhyolitic tuff with very weak alteration veinlets of quartz and some oxides in low fracture
CT11-02	20079	348284	2756358	Grab	Structure of low light brown tuff rhyolitic quartz-poor
CT11-03	20075	348295	2756423	Grab	Rhyolitic tuff light brown with irregular veinlets and lenses of green quartz + chlorite Few oxides
CT11-04	18011	351324	2757411	Grab	At fault of strong silicification + quartz veinlets Druze, Hematite and Quartz stockwork
CT11-05	18012	351324	2757411	Grab	Adit Interior fault zone striking NE-SW NW 9 ° 55 ° high in clay with oxides hematite, specular, silica and hematite stockwork in quartz veinlets
CT11-06		351343	2757441	Grab	rhyolite breccia, light gray in colour, with minor quartz veinlets ~ 0.5 cm in width
CT11-07	18150	354238	2760103	Grab	Adit Fault zone with NE-SE SW 25 ° 88 ° with strong silicification, drusy quartz veinlets and cracks filled translucent hematite and specular spots disseminated
CT11-08	18149	354300	2760027	channel	Fault NE-SE SW 30 ° 88 ° area of strong to extreme silicification drusy and translucent quartz
CT11-09	18516	354379	2760163	float	Gray-green rock heavily silicified aphanitic, greenish gray and strongly silicified with quartz veinlets, looks like the rock are not from this location

Highlights of the assay results are provided in Table 11, with the laboratory certificate of analysis provided in Appendix C.

Table 11: Highlights of the Assays

Sample No	Au AASGT g/t	Ag g/t	As ppm	Ba ppm	Be ppm	Cu ppm	Fe%	Pb ppm	Sb ppm	Zn ppm
CT11-01	3.283	110	72	116	2.5	692	5.83	1960	45	16900
CT11-02	2.067	1723	8971	40	1.8	1850	1.17	56300	72	51300
CT11-03	0.551	1483	6706	28	0.7	3510	0.97	63800	36	45300
CT11-04	0.414	51	26	28	0.7	218	2.27	807	0.0001	1400
CT11-05	0.524	50	35	29	0.6	347	1.69	151 0	0.000 1	187 0
CT11-06	0.52	14	19	29 7	0.000 1	15	1.3 7	105 0	0.000 1	870
CT11-07	0.889	171	13	43	0.9	86	1.9 3	113 0	16	163 0
CT11-08	5.515	187	0.000 1	46	0.000 1	31	1.5 5	540	6	948
CT11-09	7.473	100 7	18	36	0.8	51	1.7 9	381	6	521

Figure 13: Location of Samples Collected by Author



Adjacent Properties

There are two known mines within ten kilometres of the property boundary, La Cienega owned by Penoles and the Metates project owned by Chesapeake Gold Corporation. See Figure 14.

13.2 La Cienega

La Cienega mine is located approximately 5 km north east from the Centenario Property boundary with Fresnillo plc currently the operator for the mine. Fresnillo plc is a subsidiary of Penoles Industries

In 1994, Minera Mexicana La Cienega S.A. de C.V. started exploitation of the deposit by cut and fill underground mining at a productions rate of 1,500 t/d. The average grade is 5.8 g/t Au, 131.0 g/t Ag 1.5% Pb, and 2% Zn (De La Garza 2001)

There are five major veins in the La Cienega district which have been investigated by underground development and drilling (De La Garza 2001)

La Cienega vein: This is the most important structure in the district. It crops out for 3,600 m in length, with an average width of 4 m. The general attitude is NW 60° SE, 75°NE. Rhyolitic to rhyodacitic tuffs are the main host rocks, along with the La Cienega rhyolite-dome rocks. The La Cienega vein contains three shoots, namely El Carmen, Centenario Poniente, and Centenario Oriente. Forty nine percent of the total minable gold reserves exist in these shoots (De La Garza 2001)

Jessica vein: This is a branch of the La Cienega vein at its southeast extension which crops out for 300 m, and its average thickness is 4 m. The general attitude is NE 87° SW, 65°SE. The Bonanza, Bonancita, and Gambusino ore shoots were outlined in three branches of the Jessica vein. Their combined tonnage and grade constitute 51 percent of the total gold reserve of the La Cienega ore deposit.

Rosario, Las Casas, and Arroyo de Plata veins: This group of veins extends nearly parallel to the La Cienega and Jessica veins and represent additional tonnage potential for the La Cienega district. (De La Garza 2001)

Table 12: Mine La Cienega

Source <http://www.fresnilloplc.com/operations/>

Resource Category	Cut-off Grade	Measure and Indicated (Mt)	Inferred	Silver g/pt	Gold g/pt	Lead %	Zinc %	Silver M oz	Gold M oz	Lead M oz	Zinc M oz
Measured	1.63 g/t AuEq	4.03		102	4.2	1.19	1.79	13.2	0.544	0.048	0.072
Indicated	1.63 g/t AuEq	8.48		100	3.41	0.77	1.24	273	0.929	0.065	0.105
Measured & Indicated		12.51		101	3.67	0.91	1.42	40.5	1.474	0.113	0.177
Inferred (Cienega)	1.63 g/t AuEq		3.57	79	3.52	0.64	1.07	9.1	0.404	0.023	0.038
Inferred (San Raman)*	2.1 g/t AuEq		4.79	428	2.58	0.5	0.91	66	0.397	0.24	0.044
Inferred			8.36	279	2.98	0.56	0.98	75.1	0.801	0.047	0.082

Cautionary statement: Investors are cautioned that the potential quantity indicated above has not been verified by the author and may not be indicative of the El Centenario property the subject of this report. It

has been provided only for illustration purposes. At this time, there is insufficient public information to verify the information.

13.3 Metates project

In 2010 a NI 43-101 compliant resource estimate prepared by Independent Mining Consultants of Tucson, Arizona ("IMC") reported a Measured and Indicated resource of 17.2 million ounces of gold, 467 million ounces of silver and 3.4 billion lbs of zinc. Inferred mineral resources total an additional 2.6 million ounces of gold, 62 million ounces of silver and 358 million lbs of zinc. Metates is 100% owned by Chesapeake and is located in Durango state about 175 kilometres northeast of Mazatlan. (Austin 2010)

The Metates deposit is hosted by Mesozoic sedimentary rocks that have been intruded by a quartz latite body up to 300 metres thick and 1,500 metres long. Mineralization occurs in two zones: the Main Zone which is centered around the intrusive and the North Zone, within the sediments including conglomerate, sandstone and shale. The gold-silver mineralization occurs as sulphide veinlets and disseminations in both the intrusive and sedimentary host rocks.

M3 Engineering & Technology of Tucson, Arizona ("M3") has completed a NI 43-101 Preliminary Economic Assessment ("PEA") of Metates. The PEA indicates a large tonnage open pit mining operation using conventional mining and milling methods to produce a sulphide concentrate followed by pressure oxidation is feasible using current and projected future economic conditions. The PEA forecasts a 27 year mine life ("LOM"). (Austin 2010)

Annual gold equivalent production during the first seven years of full operation averages 963,200 ounces at a direct cash cost of US\$326 per ounce excluding zinc credits, US\$267 per ounce including zinc credits (Austin 2010).

IMC prepared the mine schedule in the PEA from the new resource at a variable gold equivalent cut-off grade ranging from 0.55 g/t to 0.43 g/t to optimize the grades and waste:ore ratio in the early years of production. Mineral resources were based on 171 drill holes totalling 63,127 metres. The new resource includes inferred mineral resources which are considered to be too speculative geologically to have economic considerations applied that would enable them to be categorized as mineral reserves. The open pit associated with the reported resource extends 2,500 metres in a north-south direction 1,700 metres wide and up to 600 metres deep. The life of the mine strip ratio is 1.75 to 1. (Austin 2010).

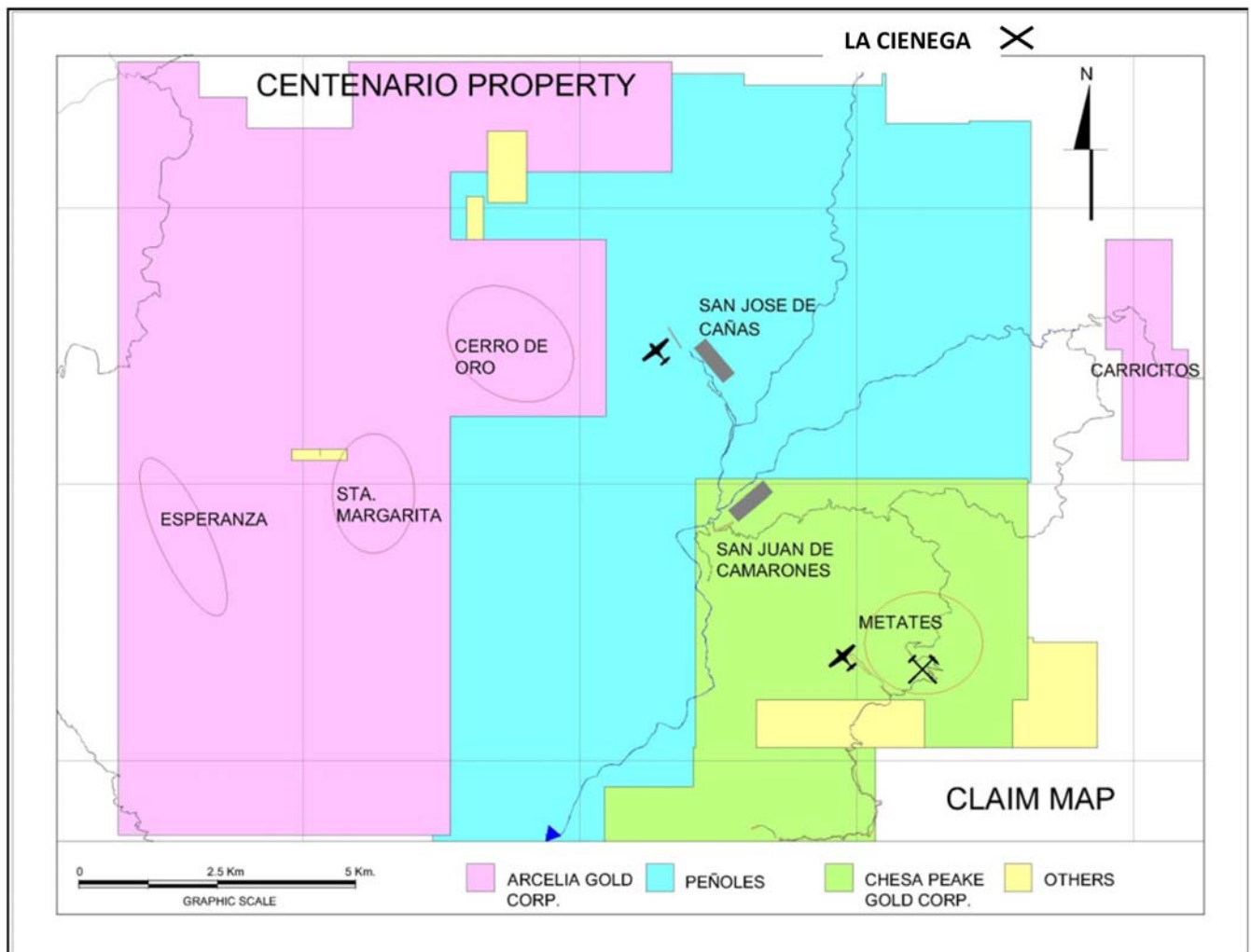
The PEA is based on a mine production rate of 90,000 tonnes per day processed by a crushing and grinding system utilizing high pressure grinding to feed a sulphide flotation plant. The bulk sulphide rougher flotation concentrate representing about 11% of the original weight of the ore, will be transported by slurry pipeline 140 kilometres downhill to an area of relatively flat terrain proximate to a large limestone resource as well as existing power, water and supporting infrastructure. The concentrate will be treated via pressure oxidation with subsequent cyanidation and Merrill-Crowe recovery of gold-silver dore. Acidic solutions from pressure oxidation will be treated with limestone and lime produced on-site. High quality zinc metal sulphide produced from the pressure oxidation solutions will be shipped to a smelter for final processing. Electrical power is to be supplied from a dedicated coal fired power plant. Overall gold and silver recoveries from ore through dore production are estimated at 84.7%. Overall zinc recovery is estimated at 85%. (Austin 2010).

The initial capital costs including contingency, working capital, zinc recovery plant and a dedicated power facility are estimated at US\$3.19 billion or approximately US\$153 per recovered ounce of LOM gold equivalent production. Average operating cost per tonne of ore mined LOM including mining, processing and G&A is estimated at US\$11.58 including zinc recovery. On a pre-tax basis, capital payback is 5.7 years. The capital and operating costs are current to second quarter 2010. (Austin 2010).

Chesapeake plans to complete a pre-feasibility study for Metates in late 2011. Chesapeake believes the project economics can be improved by further work and trade-off studies evaluating higher ore throughput rates, SX-EW zinc recovery methods, alternative access road alignments and independent power sources. Excellent potential exists to expand the current gold resource at Metates as the deposit remains open along trend in both strike directions. Chesapeake has planned a 20,000 metre drill program in 2011 to convert the current inferred resources into potential reserves, to test the strike extensions identified by recent IP geophysics and for geo-technical purposes. (Austin 2010).

Cautionary statement: Investors are cautioned that the potential quantity indicated above has not been verified by the author and may not be indicative of the El Centenario property the subject of this report. It has been provided only for illustration purposes.

Figure 14: Adjacent properties



14 Mineral Processing & Metallurgical Testing

No reported metallurgical testing has been carried out on samples from the El Centenario Property.

15 Mineral Resource & Mineral Reserve Estimates

This is an early staged exploration project and no resource or reserve estimations have been established to date. The target of exploration on this project is to identify gold mineralization of size and grade with resource and reserves to be established much later.

16 Other Relevant Data & Information

The author is unaware of any further information and data relevant to the El Centenario project.

17 Interpretations & Conclusions

The primary purpose of this Technical Report is to summarize the historical exploration activities conducted on the property and the objective has been met

The regional fieldwork carried out by Arcelia Gold Corp. geologists has confirmed the presence a wide range of mineralization styles found at the `El Centenario` project. They vary from gold-silver epithermal vein, stockwork and breccia systems to base-metal rich skarn zones, to copper veins, and to intrusive hosted poly-metallic porphyries. Anomalous mineralization is found throughout all types of rocks including the older meta-sedimentary package. The porosity and permeability of volcanic rocks control extent of disseminated mineralization around the vein structures. Veins are associated with zones of silicification/kaolinitization of up to 50 metres wide. Types of Mineralized systems:

- Veins (tetrahydrite, pyrite, pyrrhotite, quartz, calcite) cutting rhyolite/dacite pyroclastic rocks (Veta El Carbón, La Línea,).
- Broad zones of disseminated Ag mineralization with Silicic/Kaolin alteration in more permeable rhyolite/dacite rocks, also cut by veins (Bufa del Carbón, La Línea,).
- Zones of Au-Ag disseminated mineralization in Cretaceous thin-bedded calcareous sediments (argillites).
- Skarn mineralization associated with felsic, calc-silicate intrusive bodies. (Cu, Ag, Au, minor Mo, Zn and Pb). Probably related to porphyry mineralization at depth (from float rocks coming from river beds of Arroyos Guayabitos and San Juan de Camarones).
- Broad quartz stockwork and breccia zones between multiple vein structures (Esperanza, Cerro de Oro, Veta el Carbón,).
- Quartz-pyrite-pyrrhotite veins associated with fault structures cutting the Cretaceous sediments (argillites). Veins form large alteration (silica/kaolin) zones in more permeable calcareous beds. These beds are mainly pyritic, yellow-stained and have a gold-enriched oxidized portion that was a favourite target for mining by Spaniards (Arroyo Minas).

The property is in a favourable geological setting, the close proximity and similarity of the mineral prospects to several precious metal deposits (La Cienega, Metates), and the abundance of old mine workings, the high grade nature of the assay values and the lack of any systematic exploration, all these contribute to make the `El Centenario` property promising grass-root exploration project.

Based on the grade and tonnage of other low sulphidation epithermal deposits worldwide, it is clear that these type of deposits, such as in La Cienega district, have good economic potential, and therefore this area has potential to host such deposits, and requires further exploration. Deposit examples of this low sulphidation type elsewhere in the world include the Comstock Lode in Nevada, as well as other Mexican deposits such as Tayoltita and Guanajuato. Of the 41 similar deposits studied by Mosier et al. (1992), sizes ranged between 65,000 tonnes and 9.1 million tonnes with gold grades ranging from 2.0 to 27.0 g/t Au therefore illustrating the potential for these deposits.

Based on the fact that the El Centenario project is currently at the grass roots exploration stage, the adequacy and data density are sufficient. The author is not aware of any areas of uncertainty.

18 Recommendations

As the El Centenario Property lies in a polymetallic endowed region (Durango State in general) it has potential to host both gold and other (Ag, Cu, Zn, $\pm$ Pb) deposits. To identify mineralization, particularly focused on gold, the following field program of regional and local sampling and mapping is proposed.

A preliminary geological model of the mineralized system should be generated using the field mapping data and assay results and any pertinent information available in the old reports. Complete the delineation and interpretation of major structural features in the area using existing geological and topographical maps, including air-photos and satellite images.

Initiate a more extensive exploration program which would include semi-detailed mapping and geochemical surface sampling (stream sediment and rock sampling) focusing on La Esperanza and Santa Margarita showings.

Undertake LiDAR survey over the entire property to aid the understanding of the structure and possible vein emplacement on the property

The existing old pits and trenches on the La Esperanza and Margarita showings should be cleaned-up and systematically re-sampled. Additional trenches, if necessary, should be added further along strike both to the N-NW and S-SE, and as in-fills where warranted. Mechanical trenching, using a standard back-hoe tractor, would be preferable considering that there is an existing old access road going to the prospect

19 PROPOSED PROGRAMS & BUDGET

The following two-phase budget covers an initial program of further surface surveys (geology, geophysics and additional geochemistry), which will allow planning of a second phase of work, dominated by diamond drilling, if warranted.

Phase I Budget Summary

Liard Survey	\$200,000
Geological mapping	\$55,000
Trenching	\$ 40,000
Camp costs (Food and Lodging)	\$15,000
Geochemical Survey Rock Samples etc.	\$5,000
Geological Supplies Maps, Air photos, Satellite images	20,000
Supervision and reporting and interpretations	\$25,000
Office overheads, communication, travel, etc	\$10,000
Sub-total	\$370,000
Contingency	\$55,000
Total	<u>\$425,000</u>

Phase Two of the program is contingent on the results of the Phase One

Phase 2 Budget Summary

2,000 metre drilling program all in cost of \$250 per metre.	Sub-total	\$500,000
	Contingency	\$75,000
	Total	<u>\$575,000</u>

* costs are in \$US

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21 Date & Signature

I, Derrick Strickland, do hereby certify as follows:

That I am a consulting geologist, residing at 1107-1251 Cardero Street, Vancouver, B.C.

This certificate applies to the report entitled "NI 43-101 Technical Report on the El Centenario Property Durango, Mexico 106° 29' West and 24°57' North Map sheet G13-10, G13-7 June 1st 2011"

That I am a graduate of Concordia University of Montreal, Quebec, with a B.Sc. in Geology, 1993.

That I am a Practicing Member in good standing of the British Columbia Association of Professional Engineers, Geologists and Geophysicists, license 278779 since 2003. That I have been practicing my profession continuously since 1993, and have been working since 1986 in mineral exploration in Gold, Diamonds, Uranium and Copper.

I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional organization (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

I am responsible for all sections of the report entitled NI 43-101 Technical Report on the El Centenario Property Durango, Mexico 106° 29' West and 24°57' North Map sheet G13-10, G13-7 June 1st 2011. Except for the legal opinion provide by DBR (Diaz, Bouchot & Raya) Lawyers of Durango Mexico. I visted the El Centenario Property May 10th, 2011.

I am not aware of any information or omission of such information that would make this Technical Report misleading. This Technical Report, the contains all scientific and technical information that is required to be disclosed to make the technical report not misleading

I am independent of Pacific Cascade Minerals Inc and Arcelia Gold Corp. in applying all of the tests in section 1.4 of National Instrument 43-101. For greater clarity, I do not hold, nor do I expect to receive, any securities of any other interest in any corporate entity, private or public, with interests in the El Centenario Property which is the subject of this report or in the properties themselves, nor do I have any business relationship with any such entity apart from a professional consulting relationship with the Companies, nor do I to the best of my knowledge hold any securities in any corporate entity within a two (2) kilometre distance of any part of the subject El Centenario Property.

I have read National Instrument 43-101 and Form 43-101F, and attest that the Technical Report has been prepared in compliance with that instrument and form.

I consent to the filing of the Technical Report with any stock exchange or other regulatory authority and any publication by them, including electronic publication in the public company files on their websites accessible to the public

22 SIGNATURE PAGE

Dated this 1st Day of June 2011



Signature of Qualified Person
Derrick Strickland P.Geo.

Appendix A:



Durango No. 195 - 502
Colonia Roma Norte
06700 México, D.F.
Tel. (52 - 55) 5207 2800
www.dbr-law.com

May 27, 2011

Pacific Cascade Minerals Inc.
Suite 1500
701 West Georgia Street
Vancouver, B.C.
Canada V7Y 1C6

TSX Venture Exchange
Suite 2700, P.O. Box 11633
650 West Georgia Street
Vancouver, B.C.
Canada V6B 4N9

Re: "Arcelia Gold" Mining Concessions (the "Concessions")

Dear Sirs:

Pursuant to your request, we are providing you with our title opinion and related matters to the Concessions, that cover the mining claims mentioned herein-below, which are located in Municipality of Santiago Papasquiaro, State of Durango, Mexico; and upon which Arcelia Gold, S.A. de C.V. has interest and rights.

The information provided with respect to the Concessions is based on a research done for that purpose, during the third week of May, 2011, at the General Bureau of Mines ("GBM") and the Public Registry of Mining (the "Registry") within the Ministry of Economy.

Incorporation.

Arcelia Gold, S.A. de C.V. ("Arcelia Gold") is a Mexican mining Company duly incorporated pursuant to the public instrument number 8,851 dated October 23, 2008, certified and attested to by Mr. Manuel O'Reilly Vargas, Notary Public No. 1 for the Chihuahua City, Chihuahua State, which first transcription is registered



with Public Registry of Commerce for the Federal District, under Mercantile Folio number 24786*10 dated November 3, 2008; and under number 163, page 82 of Volume XL of the General Companies Book of the Registry;

Arcelia Gold: (i) has a corporate purpose that refers to exploration and exploitation of minerals or substances subject to the application of the Mining Law; (ii) has its legal address in Mexico City within the Mexican Republic; (iii) has all requisite corporate power and authority to conduct its business now carried on by it; and (iv) is duly registered or licensed to carry out business in Mexico.

The Concessions.

1. On June 2, 2010, **Arcelia Gold** entered into a Exploration Agreement with Purchase Option with Roxanna Gold S.A. de C.V. (49%) and with Compañía Minera La Vainilla S.A. de C.V. (51%) for the rights covered by the following concessions, which was ratified before Mr. Vicente Guerrero Romero, Notary Public number 1 of the Municipality of Durango, State of Durango and recorded in the Registry under number 192 page 104, Volume 27, Book 129 of Mining Actions, Contracts and Agreements on July 9, 2010:

<u>Name of the Mining Claim</u>	<u>Original Title Effective Date</u>	<u>Title Claim Number</u>	<u>Surface Area (Ha.)</u>
La Trinidad	November 24, 1998	208555	84,0000
San Antonio	September 12, 1979	165162	187,3120
Santa Teresa	August 3, 1979	164947	32,0000
San Francisco de Pilonos	August 3, 1979	164946	9,0000
La Esperanza	June 28, 1996	203251	124,0000
La Vainilla	May 31, 1994	199807	488,0000
Santa Margarita	June 28, 1996	203309	32,0000
Ampl. De San Antonio	May 31, 1994	199808	153,6300
Ampl. De Santa Margarita	May 23, 2000	211431	112,0000
Alison	May 8, 1996	203134	468,5520



The following data was also obtained at the Registry:

a) "La Trinidad" (title 208555)

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Jose Guadalupe Gutierrez Monarrez as recorded on November 23, 1998, under Entry 175, at Pages 88, Volume 305 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;

3. Effective period: November 24, 1998 through November 23, 2048; and
4. Status: In force, and free of any liens or encumbrances.

b) "San Antonio" (title 165162)

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Filiberto Torres Meza (50%) and Fernando Sapien Juarez (50%) as recorded on September 11, 1979, under Entry 382, at Pages 96, Volume 217 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;



3. Effective period: September 12, 1979 through September 11, 2029; and
4. Status: In force, and free of any liens or encumbrances.

c) **"Santa Teresa" (title 164947)**

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Filiberto Torres Meza (100%) as recorded on August 2, 1979, under Entry 267, at Pages 68, Volume 218 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;

3. Effective period: August 3, 1979 through August 2, 2029; and
4. Status: In force, and free of any liens or encumbrances.

d) **"San Francisco de Pílonas" (title 164946)**

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Fernando Sapien Juarez (100%) as recorded on August 2, 1979, under Entry 266, at Pages 67, Volume 218 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;



3. Effective period: August 3, 1979 through August 2, 2029; and
4. Status: In force, and free of any liens or encumbrances.

e) **"La Esperanza" (title 203251)**

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Filiberto Torres Meza (50%) and Sucesión de Jose Guadalupe Gutierrez Monarrez (50%) as recorded on June 27, 1996, under Entry 271, at Pages 136, Volume 290 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;

3. Effective period: June 28, 1996 through June 27, 2046; and
4. Status: In force, and free of any liens or encumbrances.

f) **"La Vainilla" (title 199807)**

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Filiberto Torres Meza (50%) and Sucesión de Jose Guadalupe Gutierrez Monarrez (50%) as recorded on May 27, 1994, under Entry 67, at Pages 34, Volume 281 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;



3. Effective period: May 31, 1994 through May 30, 2044; and
4. Status: In force, and free of any liens or encumbrances.

g) "Santa Margarita" (title 203309)

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Marco Antonio Torres Burgos (50%) and Jose Guadalupe Gutierrez Monarrez (50%) as recorded on June 27, 1996, under Entry 329, at Pages 165, Volume 290 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;

3. Effective period: June 28, 1996 through June 27, 2046; and
4. Status: In force, and free of any liens or encumbrances.

h) "Ampl. De San Antonio" (title 199808)

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Jose Guadalupe Gutierrez Monarrez (100%) as recorded on May 27, 1994, under Entry 68, at Pages 34, Volume 281 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;



3. Effective period: May 31, 1994 through May 30, 2044; and
4. Status: In force, and free of any liens or encumbrances.

i) **"Ampl. De Santa Margarita" (title 211431)**

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Compañía Minera La Vainilla (100%) as recorded on May 22, 2000, under Entry 171, at Pages 86, Volume 313 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;

3. Effective period: May 23, 2000 through May 22, 2050; and
4. Status: In force, and free of any liens or encumbrances.

j) **"Alison" (title 203134)**

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Jose Guadalupe Gutierrez Monarrez (100%) as recorded on May 7, 1996, under Entry 154, at Pages 77, Volume 290 of the Mining Concessions Book of the Registry.

Present concessionaire: Compañía Minera La Vainilla S. A. de C.V., (51%) and Roxanna Gold, S.A. de C.V. (49%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;

3. Effective period: May 8, 1996 through May 7, 2046; and
4. Status: In force, and free of any liens or encumbrances.



2. On June 2, 2010, **Arcelia Gold** entered into a Exploration Agreement with Purchase Option with Mr. Filiberto Torres Meza (49%) and with Roxanna Gold S.A. de C.V. (51%), for the rights covered by the following concession, which was ratified before Mr. Vicente Guerrero Romero, Notary Public number 1 of the Municipality of Durango, State of Durango and recorded in the Registry under number 192, page 104, Volume 27, Book 129 of Mining Actions, Contracts and Agreements on July 9, 2010:

"La Ascension" (title 220685) *

1. Location: Municipality of Santiago Papasquiaro, State of Durango, Mexico;
2. Original concessionaire: Filiberto Torres Meza as recorded on September 29, 2003, under Entry 65, at Pages 33, Volume 339 of the Mining Concessions Book of the Registry.

Present concessionaire: Filiberto Torres Meza (49%) and Roxanna Gold, S.A. de C.V. (51%) in terms of the Entry number 191, Pages 103 of the Volume 27 of the Mining Acts, Contracts and Agreements Book of the Registry, dated July 9, 2010;
3. Effective period: September 30, 2003 through September 29, 2053; and
4. Status: In force, and free of any liens or encumbrances.

Mining Obligations.

Classification. The obligations which the holders of concessions must comply in order to maintain their concessions in full force and effect, pursuant to the Mexican Mining Legislation and the Federal Fees Law are as follows:

- a) **Assessment of Work Report.** During the month of May of each year, the concessionaire must file with the GBM, the Work Assessment Reports made on each concession or group of concessions for the immediately preceding calendar year. The Regulations of the Mining Law establish the tables



containing the minimum investment amounts that must be made on a concession. The amount will be updated annually in accordance with the variation of the Consumer Price Index;

b) Mining Fees. During the months of January and July of each year, the concessionaries must pay the mining fees for the areas that pertain to each concession (on a per hectare basis).

Assessment Work Report.

Regarding the Assessment Work Reports, at this moment the information is not available in the GBM, we can not confirm the status of the Concessions in this matter.

Mining Fees.

In accordance with the GBM records and regarding the Mining Duty Payments, the Concessions are not in good standing. As a result from our research at the GBM we were able to obtain the following information with respect to the amounts due on each concession (all the amounts are in Mexican Pesos):

a) "La Trinidad" (title 208555)

Second Semester 1998 \$128.00

First Semester 2000 \$1,625.00

First Semester 2011 \$9,871.00

b) "San Antonio" (title 165162)

First Semester 1998 \$2,981.91

Second Semester 1998 \$271.30

Second Semester 1999 \$120.14

First Semester 2000 \$261.60



Second Semester 2000 \$10,327.81

First Semester 2011 \$22,011.00

c) "Santa Teresa" (title 164947)

First Semester 1998 \$512.52

Second Semester 1998 \$42.84

Second Semester 1999 \$21.84

First Semester 2000 \$34.46

Second Semester 2000 \$1,761.78

First Semester 2011 \$3,760.00

d) "San Francisco de Pilonos" (title 164946)

First Semester 1998 \$147.54

Second Semester 1998 \$14.28

Second Semester 1999 \$5.96

First Semester 2000 \$9.85

Second Semester 2000 \$493.96

First Semester 2011 \$1,058.00

e) "La Esperanza" (title 203251)

First Semester 1998 \$613.47

Second Semester 1998 \$21,289.86

First Semester 1999 \$19,299.84

Second Semester 1999 \$19,206.28

First Semester 2000 \$18,292.88



Second Semester 2000 \$31,256.00

First Semester 2011 \$14,571.00

f) "La Vainilla" (title 199807)

First Semester 1998 \$19,444.55

Second Semester 1998 \$699.67

Second Semester 1999 \$322.20

First Semester 2000 \$551.35

Second Semester 2000 \$26,904.18

First Semester 2011 \$54,344.00

g) "Santa Margarita" (title 203309)

First Semester 1998 \$170.84

Second Semester 1998 \$142.79

First Semester 1999 \$4,979.06

Second Semester 1999 \$4,958.57

First Semester 2000 \$4,720.90

Second Semester 2000 \$9,969.69

First Semester 2011 \$3,760.00

h) "Ampl. De San Antonio" (title 199808)

First Semester 1998 \$6,119.13

Second Semester 1998 \$221.32

Second Semester 1999 \$98.30

First Semester 2000 \$177.22



Second Semester 2000 \$8,467.24

First Semester 2011 \$18,053.00

i) **"Ampl. De Santa Margarita" (title 211431)**

Second Semester 2000 \$1,757.66

First Semester 2011 \$13,161.00

j) **"Alison" (title 203134)**

First Semester 1998 \$71,567.00

Second Semester 1998 \$164.21

First Semester 2000 \$1,201.15

Second Semester 2000 \$25,833.94

First Semester 2011 \$55,059.00

k) **"La Ascension" (title 220685)**

Second Semester 2009 \$170,798.00

First Semester 2010 \$317,670.00

Second Semester 2010 \$295,314.00

First Semester 2011 \$269,328.00

Opinion.

The Company. Arcelia Gold: having been validly incorporated pursuant to the Mexican Commercial Legislation and since it has: i) a corporate purpose that refers to the exploration or exploitation of mineral or substances subject to the application of the Mining Law; ii) its legal domicile in Mexican Republic; iii) Arcelia Gold is legally capable of holding its acquired interest to the Concessions; and iv)



Arcelia Gold has the sufficient rights to explore the mining claims covered by the Concessions.

The Concessions: Based on our research done at the GBM and the Registry we inform you of the following:

- a) **Arcelia Gold** has the sufficient rights to explore the mining claims covered by the Concessions listed in this opinion;
- b) The Concessions are free and clear of any lien or encumbrance; and
- c) The Concessions are not in good standing.

This opinion is solely for the benefit of the addressees, and no other entity or person shall be entitled to rely on its contents without the express written consent of Díaz, Bouchot y Raya.

Should you have any questions regarding this matter, please do not hesitate to call on us.

Very truly yours,

Díaz, Bouchot y Raya

Per: **Laura Díaz Nieves**

Appendix B:

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
2351	La Esperanza	348380	2755975	Channel	1.2	0.005	4	60	40	3	12	<2	14
2352	La Esperanza	348387	2755997	Channel	1.3	0.011	3.1	742	515	24	5	<2	6
2353	La Esperanza	348385	2756006	Channel	1.1	0.01	1.1	490	162	17	<5	<2	7
2354	La Esperanza	348340	2756003	Channel	1.4	0.005	14.2	645	254	30	20	<2	17
2355	La Esperanza	348385	2756014	Channel	2	0.006	19.9	683	222	49	17	<2	24
2356	La Esperanza	348342	2756014	Channel	1.4	2.76	697	15000	5370	818	148	<2	240
2357	La Esperanza	348344	2756019	Channel	1.5	1.65	339	14300	6240	724	606	<2	77
2358	La Esperanza	348349	2756019	Channel	0.6	2.58	2370	50990	50900	2390	4330	<2	282
2359	La Esperanza	348344	2756024	Channel	2.3	0.436	152	9800	2340	559	84	<2	67
2360	La Esperanza	348347	2756084	Channel	1.8	1.665	2050	98700	80300	4390	4420	<2	254
2361	La Esperanza	348349	2756084	Channel	1.5	0.896	1620	52500	17700	2400	3060	<2	292
2362	La Esperanza	348339	2756154	Channel	1.6	0.318	411	52100	18600	1910	1700	<2	217
2363	La Esperanza	348330	2756204	Channel	0.5	0.018	25.1	1380	331	66	48	<2	35
2364	La Esperanza	348333	2756204	Channel	0.4	0.007	4.2	583	255	26	19	<2	7
2365	La Esperanza	348345	2756264	Channel	2.1	0.009	3.6	829	442	20	28	<2	11
2366	La Esperanza	348333	2756344	Channel	2.2	0.022	1.6	192	87	25	17	<2	7
17364	Rio San Jose	354990	2759412	Channel	2	0.095	15.5	192	1155	23	369	13	51
17365	Rio San Jose	354990	2759412	Channel	3	0.075	6.5	161	694	17	201	<2	57
17366	Rio San Jose	355395	2759536	Sed		0.014	1.7	28	47	14	43	3	23
17367	San Francisco S	355219	2759956	Channel	1	3.8	23.3	498	560	788	55	2	10
17368	San Francisco S	355219	2759956	Channel	1.2	1.675	2.4	1880	180	1330	40	9	10
17369	San Francisco S	355219	2759956	Channel	2	0.652	9.5	764	378	358	28	2	10
17443	Sta Margarita	351400	2757526	Channel	1	0.389	14.8	1670	476	57	19	<2	20
17444	Sta Margarita	351399	2757516	Channel	1	0.105	5.2	4040	1120	174	25	<2	12
17445	Sta Margarita	351400	2757516	Channel	0.35	2.36	17.7	17500	1470	273	24	16	23
17446	Sta Margarita	351401	2757516	Channel	1	0.02	2	1240	236	34	14	<2	12
17447	Sta Margarita	351394	2757496	Channel	0.55	1.945	31.9	12800	3940	244	59	27	26
17448	Sta Margarita	351365	2757386	Channel	1.2	6.5	36.9	29900	22700	671	1360	2	23
17449	Sta Margarita	351366	2757386	Channel	0.75	0.369	77.9	3230	2850	250	18	<2	25
17450	Sta Margarita	351365	2757391			12.35	140	39500	41300	1410	2080	5	37
17517	Sta Margarita	351576	2758060	Channel	0.3	0.13	8	259	263	33	7	<2	21
17518	Sta Margarita	351697	2757831	Channel	1.8	0.11	5.3	159	296	20	10	<2	17
17520	Sta Margarita	351699	2757831	Channel	0.8	0.077	4.7	228	290	22	6	<2	19
17521	Sta Margarita	351337	2757591	Channel	2.6	3.26	6.4	9220	2350	257	6	<2	37
17522	Sta Margarita	351387	2757628	Channel	0.6	6.25	10.9	23400	724	131	10	<2	23
17523	Sta Margarita	351388	2757628	Channel	1.8	0.235	6.4	5930	789	73	15	<2	15
17524	Sta Margarita	351385	2757286	Channel	0.7	0.17	9.7	6430	1530	132	5	<2	11
17525	Sta Margarita	351386	2757286	Channel	1.5	0.06	6.3	1630	1100	46	6	<2	16
17526	Sta Margarita	351385	2757288	Channel	2	0.117	6.7	1700	1590	47	4	<2	12
17527	Sta Margarita	351386	2757239	Channel	2.3	0.619	8.9	1960	2400	48	6	<2	9

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
17528	Sta Margarita	351357	2757233	Channel	0.6	2.93	76.2	876	767	229	7	4	21
17529	Sta Margarita	351357	2757233	Channel	1.1	0.782	100	1590	575	170	113	<2	23
17531	Sta Margarita	351356	2757226	Channel	1.7	0.232	23.3	595	415	72	20	<2	20
17532	Sta Margarita	351358	2757213	Channel	3.4	0.021	13.4	338	311	115	14	<2	13
17533	Sta Margarita	351006	2757113	Channel	1.6	1.055	1.1	149	65	34	<5	<2	6
17534	Sta Margarita	350998	2757126	Channel	2.6	3.19	2.3	298	184	67	<5	<2	10
17535	Sta Margarita	351000	2757126	Channel	2	0.026	0.4	84	42	26	9	<2	<5
17536	Sta Margarita	350989	2757123	Channel	1.3	2.71	3.5	428	249	166	<5	3	9
17537	Sta Margarita	350990	2757136	Channel	1.1	1.035	3.4	631	231	252	12	<2	<5
17538	Sta Margarita	350990	2757133	Channel	1.7	0.009	1.3	221	115	139	5	<2	<5
17539	Sta Margarita	350981	2757135	Channel	1.6	0.12	15.9	2680	2180	554	54	9	11
17540	Sta Margarita	350957	2757112	Channel	1	0.303	8.6	1175	347	1745	27	2	5
17541	Sta Margarita	350960	2757252	Float		6.94	98.9	4470	1965	18000	140	43	45
17542	Sta Margarita	350925	2757160	Channel	1.6	0.022	0.4	276	68	24	15	<2	<5
17543	Sta Margarita	350812	2757228	Sed		0.022	1	204	56	6.7	11	<5	<5
17544	Sta Margarita	351573	2758060	Channel	1.3	0.081	6.1	103	136	68	12	<2	15
17545	Sta Margarita	351035	2758691	Channel	1.1	0.004	0.4	73	24	6	<5	<2	<5
17546	Sta Margarita	351701	2758198	Channel	1.2	0.116	2.8	55	33	8	18	<2	14
17547	Sta Margarita	350666	2757171	Sed		0.007	1	170	170	52.2	9	<5	<5
17548	Sta Margarita	350917	2757156	Channel	1.1	2.28	5	34300	19500	1400	312	10	10
18001	Sta Margarita	351364	2757404	Channel	0.91	1.18	10.8	1430	605	26	22	<2	15
18002	Sta Margarita	351364	2757404	Channel	0.35	8.9	36.7	41700	29200	460	776	5	33
18003	Sta Margarita	351365	2757404	Channel	0.5	0.192	9.6	3960	4370	86	63	<2	18
18004	Sta Margarita	351364	2757414	Channel	1	6.98	32.6	7120	1970	217	37	<2	20
18005	Sta Margarita	351368	2757415	Channel	1.2	0.065	15	1050	462	51	22	<2	16
18006	Sta Margarita	351368	2757415	Channel	1	0.043	1.8	787	305	8	19	<2	10
18007	Sta Margarita	351370	2757360	Channel	1.3	26.5	25.9	3680	3120	98	58	3	21
18008	Sta Margarita	351358	2757257	Channel	1.25	3.36	3.7	703	326	52	15	2	9
18009	Sta Margarita	351358	2757250	Channel	1.2	7.84	51.2	2790	1050	439	28	2	15
18010	Sta Margarita	351358	2757250	Channel	1.3	6.79	62.1	2300	687	320	21	<2	16
18011	Sta Margarita	351358	2757250	Channel	1.2	6.92	119	4100	4900	774	97	<2	20
18012	Sta Margarita	351358	2757230	Channel	0.3	31.2	121	4880	6350	911	89	2	41
18013	Sta Margarita	351358	2757217	Channel	1.75	2.97	38.9	1680	1110	269	41	<2	26
18014	Sta Margarita	351358	2757217	Channel	0.4	0.886	21	2850	500	222	22	<2	14
18015	Sta Margarita	351358	2757217	Channel	1	0.057	3.6	491	185	40	7	<2	10
18016	Sta Margarita	351326	2757221	Channel	0.8	0.09	45.2	1460	2120	140	66	<2	13
18017	Sta Margarita	351326	2757221	Channel	0.7	1.13	9.2	404	593	82	16	<2	7
18018	Sta Margarita	351326	2757221	Channel	0.8	12.1	81.6	9510	115	768	171	2	21
18019	Sta Margarita	351324	2757213	Channel	1.3	37.4	20.6	796	416	135	13	<2	10
18020	Sta Margarita	351322	2757209	Channel	1.2	19.1	10.1	3200	1160	278	27	<2	9

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18021	Sta Margarita	351320	2757203	Channel	0.8	0.805	19.9	1310	404	147	23	<2	11
18022	Sta Margarita	351320	2757203	Channel	1.1	0.936	21.9	1420	465	157	18	<2	13
18023	Sta Margarita	351314	2757188	Channel	0.5	0.092	1.6	124	100	18	12	<2	13
18024	Sta Margarita	351314	2757188	Channel	1	15.9	110	3040	1020	386	40	<2	36
18025	Sta Margarita	351314	2757188	Channel	0.8	0.215	50.1	619	301	166	20	<2	10
18026	Sta Margarita	351395	2757496	Channel	1.5	0.245	7.5	2710	1200	43	13	<2	7
18027	Sta Margarita	351393	2757496	Channel	1.5	0.081	2.6	863	301	24	17	2	13
18028	Sta Margarita	351392	2757496	Channel	1.6	0.052	1.4	1270	461	27	15	<2	6
18029	Sta Margarita	351398	2757447	Channel	2	0.124	4.1	1900	543	35	18	<2	16
18030	Sta Margarita	351338	2757355	Channel	2	0.014	2.6	1040	284	31	13	<2	13
18031	Sta Margarita	351400	2757355	Channel	1.8	0.092	3.5	1120	380	31	17	<2	15
18032	Sta Margarita	351402	2757355	Channel	2	0.051	2.9	413	244	23	11	<2	12
18033	Sta Margarita	351359	2757217	Channel	1.8	0.081	17.7	1430	466	243	28	<2	7
18033	San Francisco	354964	2760147	Channel	1.3	0.05	2	896	356	637			
18034	Sta Margarita	351361	2757217	Channel	2	0.082	7.8	835	243	133	11	<2	11
18034	San Francisco	354962	2760145	Channel	1.9	0.04	0.9	503	534	39			
18035	Sta Margarita	351363	2757208	Channel	1.5	1.195	86.4	2080	1630	378	28	<2	29
18035	San Francisco	354962	2760146	Channel	1.5	5.49	11.7	12800	15100	282			
18036	Sta Margarita	351351	2757208	Channel	2	0.061	16.4	420	303	57	19	<2	19
18036	San Francisco	354958	2760142	Channel	1.75	0.35	7.9	653	942	304			
18037	Sta Margarita	351349	2757208	Channel	2	0.037	21	648	530	78	20	2	17
18037	San Francisco	354958	2760143	Channel	1.32	6.35	74.4	697	2374	2831			
18038	Sta Margarita	351348	2757208	Channel	1	0.011	9.3	420	313	87	32	<2	25
18038	San Francisco	354955	2760139	Channel	1.55	0.08	6.4	179	170	725			
18039	Sta Margarita	351305	2757237	Channel	1.2	0.146	21.8	684	232	117	19	<2	15
18039	San Francisco	354954	2760140	Channel	1.45	1.91	110	1181	2830	1263			
18040	Sta Margarita	351306	2757237	Channel	0.95	0.058	14.8	542	297	68	15	<2	12
18040	San Francisco	354900	2760137	Channel	1.5	0.37	3.7	2314	1138	754			
18041	Sta Margarita	351303	2757233	Channel	1.2	0.281	35	520	209	144	30	<2	12
18041	San Francisco	354964	2760148	Channel	1	1.14	17.2	637	1190	1454			
18042	Sta Margarita	351304	2757233	Channel	1.1	0.119	33.1	738	239	122	22	<2	15
18042	San Francisco	354978	2760162	Channel	3	0.03	0.9	614	52	62			
18043	Sta Margarita	351296	2757218	Channel	0.8	0.232	56.7	487	238	117	<5	<2	18
18043	San Francisco	354979	2760165	Channel	3	1.59	9.8	812	988	1071			
18043	Don Trini	355290	2760282	Channel	0.9	19.1	38.6	32300	5232	2995			
18044	Sta Margarita	351297	2757218	Channel	1.4	0.501	99.3	485	251	110	25	<2	18
18044	San Francisco	354980	2760168	Channel	4	0.11	2.9	1048	750	63			
18044	Don Trini	355290	2760280	Channel	1.1	11.3	7.6	9477	6006	1724			
18045	Sta Margarita	351298	2757213	Channel	0.6	0.22	32.6	626	308	162	31	3	29
18045	San Francisco	354978	2760155	Channel	3	0.07	0.9	825	128	248			

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18046	Sta Margarita	351299	2757213	Channel	1.2	0.125	29.7	304	166	73	14	<2	12
18046	San Francisco	354979	2760152	Channel	3	0.03	1.1	1459	54	127			
18047	Sta Margarita	351301	2757209	Channel	1	0.157	32.6	418	184	102	10	<2	12
18047	San Francisco	354981	2760183	Channel	3	0.13	8	1307	34	487			
18048	Sta Margarita	351296	2757200	Channel	0.9	1.495	94.6	4340	1085	701	47	<2	23
18048	San Francisco S	355274	2760052	Channel	1.7	0.03	7.1	230	26	516	47	<2	23
18049	Sta Margarita	351297	2757200	Channel	1	1.21	210	3440	807	1150	54	<2	22
18049	San Francisco S	355280	2760057	Channel	2.4	0.59	0.8	711	176	72	54	<2	22
18050	Sta Margarita	351295	2757198	Channel	0.9	0.762	298	3400	3300	628	41	<2	17
18050	San Francisco S	355126	2760120	Channel	2	0.03	1.6	2680	612	115	41	<2	17
18051	Sta Margarita	351296	2757198	Channel	1	2.26	107	5410	2630	1010	98	<2	20
18052	Sta Margarita	351293	2757196	Channel	1	0.083	26.7	5710	1480	410	34	<2	16
18053	Sta Margarita	351294	2757196	Channel	0.75	1.51	223	7770	3460	1170	141	<2	24
18054	Sta Margarita	351290	2757188	Channel	1.1	2.68	39.3	2580	459	176	19	<2	24
18055	Sta Margarita	351291	2757188	Channel	1	0.19	10.3	651	185	114	19	<2	11
18056	Sta Margarita	351289	2757184	Channel	1.1	9.38	39.6	7720	1680	493	55	<2	19
18057	Sta Margarita	351285	2757178	Channel	1.1	0.527	13.4	317	268	94	35	<2	11
18058	Sta Margarita	351305	2757180	Channel	1.5	0.132	0.4	98	37	8	8	<2	5
18059	Sta Margarita	351307	2757175	Channel	1.6	1.075	174	5500	1025	341	27	<2	16
18060	Sta Margarita	351308	2757175	Channel	1.2	0.031	6.7	571	101	38	10	<2	8
18061	Sta Margarita	351310	2757175	Channel	1.6	0.018	6.3	261	115	62	11	<2	8
18062	Sta Margarita	351313	2757184	Channel	1.3	0.025	10.7	258	81	28	13	<2	11
18063	Sta Margarita	351257	2757140	Channel	2	0.068	3.3	545	145	58	20	<2	5
18064	Sta Margarita	351259	2757140	Channel	2	0.017	1	166	66	20	24	<2	9
18065	Sta Margarita	351259	2757140	Channel	2	0.055	4.9	225	130	62	21	<2	7
18066	Sta Margarita	351263	2757140	Channel	2	0.106	8.2	385	182	88	21	<2	8
18067	Sta Margarita	351265	2757140	Channel	2	0.149	15	545	201	102	19	<2	9
18068	Sta Margarita	351267	2757140	Channel	1.5	0.138	27.2	756	268	156	21	<2	12
18069	Sta Margarita	351267	2757140	Channel	0.8	2.5	21.3	1910	527	317	32	<2	29
18070	Sta Margarita	351269	2757140	Channel	1	1.085	21.8	359	249	101	30	<2	12
18071	Sta Margarita	351247	2757011	Channel	1.1	0.013	0.9	51	41	12	27	<2	<5
18072	Sta Margarita	351243	2757706	Channel	1.7	0.006	0.4	163	216	3	<5	<2	<5
18073	Sta Margarita	351243	2757706	Channel	1.7	0.005	30	131	67	71	7	<2	20
18083	El Carbon	350160	2758103	Channel	1.1	0.008	39.7	111	70	124	8	<2	5
18116	El Carbon	350449	2758867	Channel	1.5	0.006	1	19.3	16	23.1	3	<5	<5
18117	Sta Margarita	351032	2757111	Channel	0.5	4.04	1	692	143	91.6	9	<5	6
18118	Sta Margarita	351032	2757111	Channel	1	0.1	1	58.6	32	12.4	4	<5	<5
18119	Sta Margarita	351037	2757110	Channel	1	0.194	1	101	43	14.7	3	<5	<5
18120	Sta Margarita	351018	2757126	Channel	0.6	0.014	1	139	64	23.8	4	<5	<5
18121	Sta Margarita	351005	2757130	Channel	0.4	12.5	3	797	221	198	6	<5	5

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18122	Sta Margarita	351005	2757129	Channel	0.9	2.1	1	270	147	95.8	6	<5	<5
18123	Sta Margarita	351005	2757131	Channel	0.08	0.014	1	105	25	30	<3	<5	<5
18124	Sta Margarita	350950	2757164	Channel	1.2	3.45	39.7	13500	8830	1470	216	8	<5
18125	Sta Margarita	350950	2757164	Channel	1	3.93	5	2250	667	467	27	<5	<5
18126	Sta Margarita	350950	2757164	Channel	0.5	0.098	4	1360	852	991	63	6	<5
18127	Sta Margarita	350944	2757165			0.021	1	738	223	71.9	10	<5	<5
18128	Sta Margarita	350944	2757164			0.022	1	1050	200	186	8	<5	<5
18129	Sta Margarita	350808	2757222	Channel	1.3	0.075	1	210	74	18.9	5	<5	<5
18130	Sta Margarita	350779	2757232	Channel	1.3	0.929	5	682	151	9.8	6	<5	<5
18131	Sta Margarita	350779	2757232	Channel	0.4	8.3	42.2	8540	5870	160	160	<5	<5
18132	Sta Margarita	350779	2757232	Channel	0.7	4.81	189	1890	1580	29.4	31	<5	<5
18133	Sta Margarita	350758	2757234	Channel	0.8	0.294	58.7	708	265	11.4	13	<5	5
18134	Sta Margarita	350758	2757234	Channel	0.8	0.025	4	85.3	53	3.8	<3	<5	<5
18135	La Trinidad	354320	2759959	Channel	1	1.08	43.1	6330	2850	222	21	<5	19
18136	La Trinidad	354321	2759959	Channel	1.3	0.098	4	939	452	39.5	9	<5	19
18137	La Trinidad	354319	2759960	Channel	2	0.061	9	320	176	10.7	6	<5	9
18138	La Trinidad	354310	2759992	Float		0.016	1	59.5	63	2	8	<5	<5
18139	La Trinidad	354338	2759991	Channel	1.2	11.5	67.7	1760	1430	56.2	17	<5	10
18140	La Trinidad	354337	2759992	Channel	1.4	0.473	10	1360	308	11.9	10	<5	12
18141	La Trinidad	354336	2759993	Channel	2	0.058	3	132	189	3.6	9	<5	10
18142	La Trinidad	354296	2759922	Channel	0.6	29.9	301	15600	8460	476	38	<5	23
18143	La Trinidad	354296	2759922	Channel	0.7	0.293	107	1160	599	26.8	9	<5	8
18144	La Trinidad	354297	2759922	Channel	0.9	0.885	146	1020	538	25.8	6	<5	6
18145	La Trinidad	354297	2759926	Channel	0.6	8.38	246	2310	759	41	7	<5	6
18146	La Trinidad	354298	2759925	Channel	1	3.04	175	1220	715	49.2	7	<5	6
18147	La Trinidad	354299	2759923	Channel	1.7	0.433	195	1170	732	82.5	8	<5	6
18148	La Trinidad	354308	2759931	Channel	0.8	1.05	295	188	176	11.5	5	<5	<5
18149	La Trinidad	354230	2759924	Channel	0.5	27.2	301	4150	1820	181	29	<5	7
18150	La Trinidad	354300	2759918	Channel	1.6	0.863	159	1940	1040	81.3	10	<5	9
18151	La Trinidad	354301	2759918	Channel	2	0.418	59	586	307	23.3	7	<5	6
18153	La Trinidad	354294	2759927	Channel	2.5	0.09	45	129	237	5.1	6	<5	<5
18154	La Trinidad	354290	2759915	Channel	0.4	4.04	218	16700	1.18	428	246	<5	9
18155	La Trinidad	354298	2759915	Channel	1	0.047	111	1470	610	44.1	9	<5	<5
18156	La Trinidad	354314	2759948	Channel	1.4	5.06	156	11200	3120	131	22	<5	14
18157	La Trinidad	354310	2759941	Channel	1.4	1.58	83.8	2500	613	32	12	<5	9
18158	La Trinidad	354307	2759936	Channel	1.7	0.977	91.1	1320	554	39	10	<5	8
18159	La Trinidad	354305	2759932	Channel	1.4	0.304	52.4	584	411	21.3	8	<5	5
18160	La Trinidad	354302	2759928	Channel	1.3	0.326	42.2	898	390	23	9	<5	6
18161	La Trinidad	354300	2759923	Channel	1.6	5.97	278	1640	771	42.7	10	<5	11
18162	La Trinidad	354298	2759918	Channel	1.3	0.558	51.5	1440	523	49.1	10	<5	8

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18163	La Trinidad	354295	2759916	Channel	1.3	3.76	120	1760	1660	170	16	<5	15
18164	La Trinidad	354291	2759911	Channel	1.2	0.475	127	6550	6260	836	51	<5	16
18165	La Trinidad	354298	2759903	Channel	1	0.762	8	13600	4250	411	40	<5	14
18166	La Trinidad	354287	2759898	Channel	1.5	0.052	6	602	477	30.4	10	<5	8
18167	La Trinidad	354286	2759898	Channel	1.6	0.037	2	211	168	9.2	4	<5	<5
18168	La Trinidad	354285	2759895	Channel	1.2	0.027	3	181	48	5	16	<5	<5
18169	La Trinidad	354281	2759895	Channel	2	0.021	1	89.5	25	6.3	37	<5	<5
18170	Lluvia de Oro Nd	354985	2760159	Channel	2	3.22	300	6870	4520	1570	239	<5	17
18171	Lluvia de Oro Nd	354983	2760159	Channel	2	13.2	167	6940	8120	1430	297	<5	26
18172	Lluvia de Oro Nd	354981	2760159	Channel	2	0.763	300	1970	1750	106	53	<5	10
18173	Lluvia de Oro Nd	354979	2760159	Channel	3	0.024	19.7	1440	930	23.8	27	<5	<5
18174	San Francisco S	355178	2759953	Channel	0.5	0.176	8	358	222	855	57	<5	<5
18175	San Francisco S	355177	2759953	Channel	0.4	0.068	3	2320	1740	182	23	<5	<5
18176	San Francisco S	355176	2759953	Channel	0.7	0.076	3	1840	1950	164	33	<5	<5
18177	San Francisco S	355182	2759956	Channel	0.5	0.205	6	113	119	668	52	<5	<5
18178	San Francisco S	355182	2759952	Channel	0.7	0.055	7	112	147	566	30	<5	<5
18179	San Francisco S	355182	2759956	Channel	0.8	2.53	106	205	1920	407	40	13	<5
18180	San Francisco S	355185	2759960	Channel	1.3	0.663	15.5	293	893	633	37	<5	<5
18181	San Francisco S	355190	2759962	Channel	0.6	0.345	7	3640	6340	510	46	<5	<5
18182	San Francisco S	355190	2759962	Channel	0.7	1.4	5	2630	5150	238	25	<5	<5
18183	San Francisco S	355192	2759964	Channel	0.8	0.969	3	2220	1580	464	25	<5	<5
18184	San Francisco S	355200	2759969	Channel	0.6	5.51	4	2150	105	4050	42	<5	<5
18185	San Francisco S	355200	2759969	Channel	1	2.47	19.4	1880	582	1960	31	15	<5
18186	San Francisco S	355209	2759975	Channel	1.5	0.037	2	4270	877	1350	30	<5	<5
18187	San Francisco S	355212	2759973	Channel	2	0.084	2	1050	115	203	23	<5	<5
18188	Don Trini	355282	2760258	Channel	1.3	0.032	2	7110	402	130	69	6	9
18189	Don Trini	355283	2760258	Channel	1.2	0.013	2	918	230	86.4	34	<5	<5
18190	Don Trini	355290	2760281	Channel	1.1	0.588	6	37800	4120	1280	28	7	7
18191	Don Trini	355291	2760286	Channel	0.9	0.179	2	1160	1230	579	47	<5	<5
18192	Don Trini	355289	2760283	Float	2	0.13	2	1130	456	398	56	<5	<5
18193	Don Trini	355294	2760285	Float	2	0.097	2	1140	225	218	53	<5	<5
18194	Don Trini	355293	2760288	Float	2	0.444	2	1470	1080	530	45	<5	8
18195	Don Trini	355295	2760289	Float	2	0.03	2	1320	424	262	41	<5	<5
18196	Don Trini	355297	2760290	Float	2	0.028	2	1070	72	83	65	<5	<5
18197	Don Trini	355298	2760293	Float	2	0.156	4	1900	7510	546	144	<5	<5
18198	Don Trini	355300	2760293	Float	2	0.316	5	2940	7090	463	68	<5	<5
18199	Don Trini	355300	2760296	Float	2	0.475	2	2210	2870	262	145	<5	5
18200	Don Trini	355302	2760298	Float	2	0.079	3	4290	1130	353	112	<5	<5
18206	Lluvia de Oro	354730	2759885	Channel	1.3	0.315	1	1650	1310	79.8	32	<5	<5
18207	Lluvia de Oro	354760	2759905	Channel	1.5	0.378	1	1150	2510	215	57	<5	5

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18208	Lluvia de Oro	354738	2759900	Channel	1.5	0.464	4	1390	2080	193	56	<5	6
18209	Lluvia de Oro	354736	2759895	Channel	1	2.34	5	678	1740	56.3	56	<5	<5
18210	Lluvia de Oro	354760	2759905	Channel	0.8	0.504	1	463	1880	84.5	49	<5	<5
18211	Lluvia de Oro	354739	2759903	Channel	1	0.082	1	1220	563	11.2	31	<5	<5
18212	Lluvia de Oro	354737	2759896	Channel	0.6	1.3	>10	396	1180	82.5	32	<5	<5
18213	Lluvia de Oro	354738	2759896	Channel	1.1	0.954	3	1640	1710	96.5	52	<5	<5
18214	Lluvia de Oro	354725	2759865	Channel	1.66	0.436	1	336	611	33.8	94	<5	5
18215	Lluvia de Oro	354726	2759868	Channel	0.7	0.386	3	994	591	69.4	44	<5	<5
18216	Lluvia de Oro	354725	2759868	Channel	0.85	0.04	1	926	158	22.8	15	<5	<5
18217	Lluvia de Oro	354725	2759870	Channel	0.55	1.68	9	1020	2120	279	85	<5	10
18218	Lluvia de Oro	354726	2759870	Channel	1	0.013	1	823	120	39.5	24	<5	<5
18219	Lluvia de Oro	354726	2759869	Channel	1	1.63	>10	1240	1810	79.5	44	<5	<5
18220	Lluvia de Oro	354730	2759888	Channel	1	1.93	5	1390	1880	119	79	<5	10
18221	Lluvia de Oro	354738	2759905	Channel	2	0.083	1	979	560	25.7	18	<5	<5
18222	Lluvia de Oro	354736	2759905	Channel	2.5	0.015	1	621	298	6.9	16	<5	<5
18223	Lluvia de Oro	354762	2759905	Channel	2	0.197	1	270	26	6	13	<5	<5
18224	Lluvia de Oro	354765	2759905	Channel	2.8	<5	1	171	3	4.1	6	<5	<5
18225	Lluvia de Oro	354768	2759905	Channel	2.1	<5	1	146	11	4.6	9	<5	<5
18226	Lluvia de Oro	354751	2759905	Channel	3	<5	1	129	12	4	10	<5	<5
18227	Lluvia de Oro	354753	2759905	Channel	2.1	6	1	499	42	6.9	9	<5	<5
18228	Lluvia de Oro	354758	2759905	Channel	3	<5	1	564	84	2.7	6	<5	5
18229	Lluvia de Oro	354737	2759915	Channel	1.9	25	1	346	224	5.3	24	<5	<5
18230	Lluvia de Oro	354735	2759915	Channel	1.7	0.042	1	531	345	3.9	48	<5	<5
18231	Lluvia de Oro	354806	2759885	Channel	1.8	0.4	6	458	762	17.1	202	<5	14
18232	Lluvia de Oro	354860	2759859	Channel	1.6	0.359	1	3660	852	34	99	<5	9
18233	Lluvia de Oro	354731	2759885	Channel	1.1	0.369	1	1560	3410	197	64	<5	5
18236	La Quemada	354796	2759876	Channel	2.5		1	490	64	6.9	31	<5	<5
18237	La Quemada	354798	2759876	Channel	2		1	335	5	5.1	21	<5	<5
18238	La Quemada	354791	2759876	Channel	1.2		3	1340	1330	150	99	<5	6
18239	La Quemada	354793	2759870	Channel	1.5		7	2380	1910	899	178	<5	12
18240	La Quemada	354791	2759870	Channel	1.6		1	749	338	43.7	18	<5	<5
18281	Lluvia de Oro	354885	2759995	Channel	2	0.03	4	1690	1450	40.3	23	<5	5
18282	Lluvia de Oro	354887	2759995	Channel	1.3	0.018	1	1190	1380	54	14	<5	<5
18283	Lluvia de Oro	354880	2760022	Channel	1.4	1.54	8	17100	4100	335	33	<5	18
18284	Lluvia de Oro	354880	2760019	Channel	1.1	1.81	21.2	18400	3340	262	43	<5	21
18285	Lluvia de Oro	354879	2760015	Channel	1.1	0.328	19	6840	3830	192	37	<5	7
18286	Lluvia de Oro	354880	2760016	Channel	3	0.068	3	3650	1890	63.2	20	<5	<5
18287	Lluvia de Oro	354903	2760028	Channel	1	0.545	6	2280	1110	79.1	46	<5	<5
18288	Lluvia de Oro	354903	2760026	Channel	1.5	0.704	8	5380	1880	187	31	<5	<5
18289	Lluvia de Oro	354891	2760020	Channel	1.1	0.022	<2	4270	461	12.5	14	<5	<5

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18290	Lluvia de Oro	354864	2759970	Channel	1.2	12.8	51.7	50700	11300	372	191	<5	14
18291	Lluvia de Oro	354862	2759968	Channel	1.3	1.33	35.7	44900	9850	209	173	<5	20
18292	Lluvia de Oro	354863	2759909	Channel	0.75	2.93	38.8	31800	9050	281	143	<5	18
18293	Lluvia de Oro	354859	2759966	Channel	1.1	2.15	118	15000	2530	300	134	<5	17
18294	Lluvia de Oro	354860	2759964	Channel	1.7	0.263	9	13900	6190	100	110	<5	8
18295	Lluvia de Oro	354839	2759941	Channel	0.9	1.86	142	14000	8590	235	210	<5	19
18296	Lluvia de Oro	354838	2759939	Channel	1.5	0.773	65.2	8800	4570	221	190	<5	18
18297	Lluvia de Oro	354839	2759939	Channel	1	5.17	72.9	7250	4350	221	800	<5	59
18298	Lluvia de Oro	354822	2759931	Channel	1.1	1.53	107	14200	3910	222	168	<5	14
18299	Lluvia de Oro	354821	2759929	Channel	1.2	0.498	52.8	2180	1960	54.7	77	<5	6
18300	Lluvia de Oro	355072	2759978	Channel	3	0.237	2	347	128	22	86	<5	<5
18304	Centenario	355371	2761695	Sed		0.011	<2	204	47	23.3	148	<5	7
18305	Centenario	355416	2761182	Sed		0.005	<2	102	28	8.1	8	<5	<5
18309	Cerro el Viejo (S	353391	2761764	Sed									
18310	Cerro el Viejo (S	353279	2761559	Sed									
18311	Cerro de la Band	352515	2761895	Sed		<5	<3	93	28	9	20	<5	<5
18312	Cerro de la Band	352515	2761895	Sed		<5	<3	103	47	30	8	<5	<5
18323	Lluvia de Oro Nd	354938	2760065	Channel	1.2		>10	1400	1300	59.4	62	<5	12
18324	Lluvia de Oro Nd	354940	2760065	Channel	2.7		>10	587	2390	90.8	50	<5	5
18325	Lluvia de Oro Nd	354936	2760063	Channel	2.4		>10	1210	948	67	31	<5	9
18326	Lluvia de Oro Nd	354964	2760117	Channel	1.7		>10	1420	988	22.5	32	<5	<5
18327	Lluvia de Oro Nd	354966	2760115	Channel	2.5		>10	468	1180	56	50	<5	6
18328	Lluvia de Oro Nd	354968	2760115	Channel	2		10	509	418	17.2	81	<5	6
18329	Lluvia de Oro Nd	354918	2760035	Channel	0.9		>10	1270	2560	75.8	82	<5	10
18331	Rio San Jose	355114	2759435	Channel	2.5		4	175	60	20.9	326	<5	14
18332	San Francisco S	355070	2759858	Channel	1		4	29.4	164	29.4	364	<5	<5
18333	San Francisco S	355071	2759858	Channel	1.2		9	50.1	299	52.3	325	<5	<5
18334	San Francisco S	355074	2759858	Channel	2.5		1	54.7	80	16.5	338	<5	<5
18335	San Francisco S	355077	2759858	Channel	3		1	107	17	26.4	89	<5	<5
18336	San Francisco S	355075	2759840	Channel	1.5		>10	156	358	13.3	370	<5	7
18341	Rio San Jose W	355274	2759528	Channel	2		>10	124	539	11.4	270	10	13
18342	Rio San Jose W	355134	2759459	Channel	2		3	226	160	13.7	177	<5	11
18345	Cerro Colorado	352007	2754200	Channel	3	0.03	0.4	257	44	67			
18346	Cerro Colorado	352012	2754194	Channel	3	0.03	0.6	199	90	46			
18350	North Boca Ibfi	353194	2761294	Float	1.65	0.01	1	595	229	3.8	10	<5	<5
18351	North Boca Ibfi	352874	2761379	Channel	1.5	0.01	4	144	287	9.2	19	<5	<5
18352	North Boca Ibfi	352919	2761325	Channel	3	0.01	1	266	241	5.6	20	<5	7
18353	North Boca Ibfi	352921	2761323	Channel	3	0.01	3	903	323	17.9	16	<5	<5
18354	North Boca Ibfi	352923	2761321	Channel	1.5	0.01	4	312	283	11.7	15	<5	5
18355	North Boca Ibfi	352929	2761320	Channel	3	0.01	1	118	103	7.2	7	<5	<5

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18356	Cerro el Viejo (S	353562	2760907	Channel	1.2	0.005	3	112	43	4.9	13	<5	<5
18357	Cerro el Viejo (S	353561	2760906	Channel	3	0.006	60	373	169	19.5	12	<5	12
18358	Cerro el Viejo (S	353571	2760856	Channel	0.8	0.029	79	2020	399	65.4	18	<5	16
18359	Cerro el Viejo (S	353657	2760863	Channel	0.9	0.054	84	2740	674	97.4	20	<5	20
18360	Cerro el Viejo (S	353567	2760863	Channel	1.7	0.006	13	664	247	18.2	15	<5	5
18361	Cerro el Viejo (S	353567	2760863	Channel	3	0.008	5	201	111	14.9	23	<5	6
18362	Cerro el Viejo (S	353567	2760863	Channel	2.6	0.01	11	576	148	38.7	43	<5	<5
18363	Cerro el Viejo (S	353566	2760866	Channel	2.8	0.008	11	422	157	25.8	12	<5	7
18365	Cerro el Viejo (S	353282	2761822	Channel	1.3	0.107	25	3560	1600	89.1	13	<5	12
18366	Cerro el Viejo (S	353282	2761621	Channel	2.2	0.034	19	2430	954	60.4	12	<5	7
18367	Cerro el Viejo (S	353218	2761980	Channel	1	0.514	639	>10000	7800	359	136	<5	13
18401	Sabas West	352935	2761226	Channel	2.3	0.006	3	205	212	5.8	10	<5	<5
18402	Sabas West	352935	2761229	Channel	1	0.005	3	121	114	8.4	11	<5	<5
18403	Sabas West	352936	2761242	Channel	1.2	0.005	3	62.1	26	4.4	12	<5	<5
18404	Sabas West	352923	2761259	Channel	1.8	0.011	3	487	318	8.9	16	<5	<5
18405	Sabas West	352926	2761293	Channel	1.8	0.008	3	38.4	16	7.6	23	<5	<5
18406	Sabas West	352924	2761293	Channel	1.5	0.005	3	26.9	18	5.3	12	<5	<5
18408	Sabas West	352929	2761325	Channel	2	0.005	3	103	104	7.9	8	<5	<5
18409	Sabas West	352931	2761325	Channel	2	0.007	3	120	272	11.7	17	<5	5
18410	Sabas West	352915	2761333	Channel	2	0.015	9	551	407	18.9	16	<5	6
18416	Sabas West	352995	2761487	Channel	0.8	0.038	91	5440	1290	96.8	32	<5	10
18417	Sabas West	352992	2761484	Channel	1	0.046	100	7860	1790	95.7	31	<5	15
18418	Sabas West	352991	2761480	Channel	2.15	0.099	24	286	276	15.5	25	<5	11
18419	Sabas West	352992	2761480	Channel	1.25	0.032	87	3510	1270	46.9	30	<5	14
18420	Sabas West	352992	2761479	Channel	2	0.022	28	1040	525	37.4	21	<5	8
18421	Sabas West	352994	2761479	Channel	2	0.009	29	662	310	20.3	15	<5	8
18422	Sabas West	352994	2761479	Channel	2	0.005	2	116	46	10.2	10	<5	<5
18423	Sabas West	352998	2761479	Channel	2	0.005	2	303	101	11.2	7	<5	5
18424	Sabas West	353000	2761479	Channel	2	0.015	53	1170	301	43.8	14	<5	<5
18425	Sabas West	352988	2761478	Channel	2	0.008	44	834	359	39.6	14	<5	<5
18426	Sabas West	352995	2761489	Channel	1	0.081	51						
18427	Sabas West	352997	2761495	Channel	0.5	0.086	69	477	286	30.9	18	<5	10
18428	Sabas West	352998	2761495	Channel	2	0.013	57	1190	296	33.6	13	<5	<5
18429	Sabas West	352999	2761495	Channel	2	0.007	54	126	47	10.2	7	<5	<5
18430	Sabas West	353001	2761503	Channel	0.8	0.051	73	1340	650	29.8	15	<5	13
18431	Sabas West	353003	2761504	Channel	1	0.007	16	144	111	13.2	10	<5	<5
18432	Sabas West	353003	2761505	Channel	1.2	0.005	6	110	55	8.4	8	<5	<5
18505	Sta Margarita	350958	2756724	Sed		0.008	1	154	73	18.8	9	<5	<5
18506	Sta Margarita	351074	2756880	Sed		0.013	1	149	52	5.1	7	<5	<5
18507	Sta Margarita	351346	2757119	Channel	5	0.004	0.4	98	24	11	<5	<2	<5

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
18508	Sta Margarita	351398	2757204	Channel	5	0.004	0.4	61	19	7	11	<2	<5
18512	El Carbon	350345	2758840	Channel	2	0.015	0.9	121	67	24	18	<2	11
18513	El Carbon	350389	2758853	Channel		0.006	0.6	107	33	18	14	<2	9
18514	El Carbon	350834	2758802	Channel	3	0.004	0.4	50	13	7	6	<2	6
18515	El Carbon	350818	2758668	Channel		0.004	0.9	46	8	27	8	<2	<5
18516	La Trinidad East	354427	2759972	Channel		29.3	301	605	376	71.8	9	<5	6
18519	El Carbon	350459	2757942	Sed		0.008	1	154	73	18.8	9	<5	<5
18520	El Carbon	350379	2758435	Sed		0.013	1	149	52	5.1	7	<5	<5
18521	El Carbon	350318	2757977	Sed		0.008	1	154	73	18.8	9	<5	<5
18522	El Carbon	350309	2757924	Sed		0.013	1	149	52	5.1	7	<5	<5
18523	El Carbon	352510	2760580	Sed		<5	<2	234	127	14	15	<5	<5
18524	Centenario	352530	2760520	Sed		<5	<2	103	40	10.3	5	<5	<5
18525	Centenario	353400	2760671	Sed		<5	<2	105	32	10	6	<5	<5
18526	Centenario	353373	2760522	Sed		<5	<2	98.4	49	3.9	4	<5	<5
18531	San Francisco	354971	2760153	Channel	1	8.69	38.8	33400	10200	1605			
18532	San Francisco	354967	2760148	Channel	1.5	0.1	1.9	766	144	866			
18533	San Francisco	354966	2760150	Channel	1	1.2	21.2	1662	1794	1107			
18534	San Francisco	354978	2760157	Channel	2.5	0.04	1.4	2043	122	652			
18535	San Francisco	354983	2760163	Channel	2	0.08	1.4	471	248	112			
20001	San Francisco	354972	2760152	Channel	1.6	0.13	0.6	2004	56	807			
20039	La Vainilla	350832	2754035	sed			1.6	571	244	18	70	5	15
20040	La Vainilla	351262	2753650	sed			1.3	294	88	29	115	<5	5
20041	La Vainilla	351390	2753349	sed			0.3	78	30	39	10	<5	<5
20042	La Vainilla	351750	2753303	sed			0.6	167	62	66	140	<5	<5
20043	La Vainilla	351724	2752765	sed			0.3	67	22	23	15	<5	<5
20044	La Vainilla	350844	2753748	sed			0.2	109	38	17	15	<5	<5
20045	La Vainilla	350637	2754275	sed			0.2	60	24	1	5	<5	<5
20046	La Vainilla	350678	2754338	sed			0.2	116	46	9	15	<5	<5
20047	La Vainilla	350897	2755731	Channel	3	<0.03	1.1	44	22	5	20	<5	<5
20048	La Vainilla	350261	2755586	Channel	1	<0.03	<0.2	60	20	9	10	<5	<5
20049	La Vainilla	350436	2755364	sed			0.3	236	60	13	25	<5	<5
20050	La Vainilla	351360	2754408	Channel	1	0.13	84.5	40600	3248	432	250	15	60
20051	La Vainilla	351356	2754407	Channel	1.5	0.11	104	263	6040	133	385	30	180
20052	La Vainilla	351354	2754409	Channel	3	0.03	8.6	114	1234	16	205	10	25
20053	La Vainilla	351354	2754411	Channel	2.5	0.03	9.6	85	1346	16	275	5	15
20054	La Vainilla	351347	2754405	Channel	3	0.11	18	389	2126	67	355	35	35
20055	La Vainilla	351426	2754433	Channel	1.7	<0.03	0.6	41	70	7	30	10	45
20056	La Vainilla	351427	2754432	Channel	4	<0.03	1.8	25	88	11	95	<5	15
20057	La Vainilla	351880	2754457	Channel	3	<0.03	0.2	62	22	39	170	<5	10
20058	Cerro Colorado	352023	2754459	Channel	2.5	<0.03	0.6	81	18	28	470	<5	15

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
20059	Cerro Colorado	352126	2754560	Channel	2.4	0.07	4.7	105	24	33	315	<5	15
20060	Cerro Colorado	352123	2754558	Channel	3	0.03	3.1	141	24	34	110	<5	15
20061	Cerro Colorado	352113	2754558	Channel	4	<0.03	1.6	263	24	33	155	<5	10
20062	Cerro Colorado	352129	2754565	Channel		<0.03	1	11	12	15	50	<5	5
20062	La Vainilla	351412	2754142	Channel	1.5	0.03	0.2	42	20	50			
20063	Cerro Colorado	352171	2754578	Channel	4	<0.03	<0.2	5	8	15	145	<5	5
20063	La Vainilla	351316	2754141	Channel	1.4	0.31	8.8	1053	2336	212			
20064	La Vainilla	351329	2754127	Channel	2.5	0.03	1.3	72	216	22			
20064	Cerro Colorado	351530	2754744	Chips	5	<0.03	<0.2	62	134	23	10	<5	<5
20065	La Vainilla	351339	2754142	Channel	1.5	0.06	0.4	161	80	13			
20065	Cerro Colorado	351587	2754710	Chips	4	<0.03	0.4	71	26	26	35	<5	<5
20066	La Vainilla	351619	2754240	Channel	5	0.03	0.4	146	32	17			
20066	La Vainilla	351600	2754290	Channel	2.5	0.99	0.8	309	146	17			
20066	Cerro Colorado	351580	2754700	Chips	5	<0.03	0.2	28	12	26	25	<5	<5
20067	La Vainilla	351590	2754250	Channel	2	0.24	0.9	237	66	15			
20067	Cerro Colorado	352177	2755103	sed			0.4	140	50	12	40	<5	5
20068	Cerro Colorado	352465	2755017	Channel	1.44	<0.03	6.3	65	510	62	595	<5	30
20069	Cerro Colorado	352484	2755004	sed			0.4	243	56	45	60	<5	10
20070	Cerro Colorado	352410	2755004	Channel	3.3	<0.03	0.9	38	10	45	55	<5	<5
20071	Cerro Colorado	352536	2754807	Channel	3	0.03	18.1	70	400	162	755	5	50
20072	Cerro Colorado	352590	2754740	sed			2.2	368	74	88	330	<5	20
20074	Cerro Colorado	352056	2755564	sed			0.4	182	86	24	20	<5	<5
20075	La Esperanza	348336	2756195	Channel	2.4	0.66	575	46400	20700	2730	3030	<5	70
20077	La Esperanza	348334	2756195	Channel	2.45	0.04	13.4	1142	652	95	45	<5	<5
20078	La Esperanza	348330	2756162	Channel	2.1	0.03	18.7	4122	1380	130	25	<5	10
20079	La Esperanza	348332	2756142	Channel	2	2.06	1388	50800	25000	1980	2210	<5	75
20080	La Esperanza	348334	2756142	Channel	2.9	0.61	56.2	2998	944	203	30	<5	20
20081	La Esperanza	348350	2756073	Channel	2.8	0.63	447	5854	4220	787	100	<5	105
20082	La Esperanza	348352	2756073	Channel	1	0.12	29.6	3211	1608	139	30	<5	5
20083	La Esperanza	348347	2756038	Channel	2.2	0.03	8	527	192	16	15	<5	5
20084	La Esperanza	348348	2756043	Channel	3	0.03	17.2	1793	378	60	15	<5	<5
20085	La Esperanza	348350	2756043	Channel	2.5	0.03	59.8	3162	1020	101	30	<5	10
20086	La Esperanza	348359	2755993	Channel	1.3	0.03	0.5	24	26	1	5	<5	<5
20087	La Esperanza	348353	2755999	Channel	1.9	0.03	2.1	398	564	12	10	<5	<5
20088	La Esperanza	348350	2755940	Grab		0.2	30.2	11100	3218	228	55	<5	15
20089	La Esperanza	348307	2756261	Channel	1.8	0.17	246	9906	9844	692	40	<5	50
20090	La Esperanza	348299	2756283	Channel	2	0.03	2.3	1523	338	17	15	<5	<5
20091	La Esperanza	348270	2756302	Channel	2.5	0.03	1.1	141	50	6	15	<5	<5
20092	La Esperanza	348250	2756438	Channel	1.5	0.03	0.9	227	160	15	5	<5	<5
20093	La Esperanza	348253	2756436	Channel	3	0.03	3.6	1159	368	32	20	<5	<5

SAMPLE	TARGET	NAD27E	NAD27N	Type	WIDTH	Auppm	Agppm	Znppm	Pbppm	Cuppm	Asppm	Bippm	Sbppm
20094	La Esperanza	348347	2756151	Chips		1.91	2932	83700	53000	2336	4685	<5	115
20095	La Esperanza	348800	2759270	sed			0.6	94	48	11	10	<5	<5
20096	La Esperanza	348206	2759049	sed			0.7	88	32	8	25	<5	<5
20097	La Esperanza	347685	2758430	sed			0.5	64	26	5	25	<5	<5
20101	La Esperanza	349345	2755820	Soil			2	256	104	14	10	<5	<5
20102	La Esperanza	349387	2755739	Soil			0.3	138	88	13	10	<5	<5
20103	La Esperanza	349396	2756492	Soil			0.3	152	92	9	5	<5	<5
20104	La Esperanza	349324	2756536	Soil			7.2	85	46	8	15	<5	<5
20105	La Esperanza	348797	2757562	Soil			0.6	101	34	7	5	<5	<5
20106	La Esperanza	348828	2757596	Soil			1.9	124	62	10	10	<5	<5
20107	La Esperanza	348865	2757666	Soil			0.4	75	28	6	15	<5	<5
20108	La Esperanza	348916	2757841	Soil			6.1	134	50	10	10	<5	<5
20109	La Esperanza	348729	2758183	Soil			0.5	78	54	11	10	<5	<5
20110	La Esperanza	348662	2758329	Soil			0.2	71	20	8	20	<5	<5
20001-BL	San Francisco	354972	2760152	check		0.03	0.2	124	128	16			
20036DC	La Vainilla	351619	2754240	Channel		0.03	0.5	135	28	16	15	<5	<5

Appendix C:



Certificate of Analysis

Work Order: DU14318

To: ARCELIA GOLD S.A. DE C.V.

Date: May 18, 2011

Attn: Derrick Strickland, Almendra Lechuga
SAN RAFAEL #230
COL. LOS ANGELES VILLAS
DURANGO
DURANGO 34199
MEXICO

P.O. No. :
Project No. : CENTENARIO DURANGO
No. Of Samples : 9
Date Submitted : May 10, 2011
Report Comprises : Pages 1 to 5
(Inclusive of Cover Sheet)

Comments:

ICP12B o 14B tiene una digestión es recomendable para la disolución de minerales sulfurosos y óxidos de hierro debido a sus propiedades de oxidación. Sin embargo, esta es la digestión geoquímica de SGS más débil y no atacará a los minerales silicatos. Por tal motivo, deberá considerarse una digestión parcial para la mayoría de los elementos y no deberá ser utilizado para determinación de concentrados.

ICP12B or 14B has a digestion suitable for the dissolution of sulphide minerals and iron oxides due to its oxidising properties. It is however the weakest of SGS' geochemical digestions and will not attack silicate minerals. As such, it should be considered a partial digest for most elements and should not be used for ore grade determination.

Certified By :


Martin Fernandez
Technician

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	AuAASGT	Ag	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Method	@FAG323	@FAG323	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B
Det.Lim.	0.01	10	2	0.01	10	1	0.5	10	0.01	1
Units	g/t	g/t	ppm	%	ppm	ppm	ppm	ppm	%	ppm
CT11-01	3.283	110	>10	2.04	72	116	2.5	<10	0.13	3
CT11-02	2.067	1723	>10	0.78	8971	40	1.8	<10	0.25	63
CT11-03	0.551	1483	>10	1.02	6706	28	0.7	<10	0.16	103
CT11-04	0.414	51	>10	0.86	26	28	0.7	<10	0.23	4
CT11-05	0.524	50	>10	0.49	35	29	0.6	<10	0.10	4
CT11-06	0.520	14	>10	0.45	19	297	<0.5	<10	0.05	<1
CT11-07	0.889	171	>10	0.36	13	43	0.9	<10	0.06	3
CT11-08	5.515	187	>10	0.22	<10	46	<0.5	<10	0.02	2
CT11-09	7.473	1007	>10	0.36	18	36	0.8	<10	0.15	3
*Dup CT11-01	3.387	107	>10	2.16	70	118	2.5	<10	0.12	3

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Element	Co	Cr	Cu	Fe	Hg	K	La	Li	Mg	Mn
Method	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B
Det.Lim.	1	1	1	0.01	5	0.01	0.5	1	0.01	2
Units	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
CT11-01	8	4	692	5.83	<5	0.09	16.9	59	1.01	3030
CT11-02	4	14	1850	1.17	<5	0.05	6.9	15	0.22	490
CT11-03	3	7	3510	0.97	<5	0.06	4.2	22	0.42	1230
CT11-04	4	5	218	2.27	<5	0.13	7.7	20	0.48	953
CT11-05	3	9	347	1.69	<5	0.12	8.0	11	0.25	535
CT11-06	1	8	15	1.37	<5	0.14	4.2	3	0.07	187
CT11-07	3	10	86	1.93	<5	0.13	6.8	11	0.19	604
CT11-08	<1	9	31	1.55	<5	0.16	9.2	4	0.05	255
CT11-09	2	15	51	1.79	<5	0.13	6.5	12	0.30	717
*Dup CT11-01	8	5	727	6.12	<5	0.09	19.8	63	1.06	3080

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Element	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sn	Sr
Method	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B
Det.Lim.	1	0.1	1	0.01	4	0.01	5	0.5	10	0.5
Units	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm
CT11-01	<1	<0.1	3	0.05	1960	<0.01	45	2.9	<10	18.2
CT11-02	8	<0.1	3	0.13	>10000	0.04	72	0.8	<10	18.2
CT11-03	10	<0.1	2	0.02	>10000	0.02	36	0.7	<10	14.7
CT11-04	<1	<0.1	3	0.05	807	<0.01	<5	1.5	<10	9.1
CT11-05	1	<0.1	4	0.01	1510	<0.01	<5	1.7	<10	5.3
CT11-06	<1	<0.1	3	0.03	1050	0.02	<5	1.0	<10	14.1
CT11-07	<1	<0.1	3	0.02	1130	<0.01	16	2.6	<10	7.4
CT11-08	<1	<0.1	3	<0.01	540	<0.01	6	1.6	<10	4.6
CT11-09	<1	<0.1	3	0.03	381	0.02	6	2.4	<10	8.5
*Dup CT11-01	<1	<0.1	3	0.04	1960	<0.01	50	3.0	<10	18.5

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Element	Ti	V	W	Y	Zn	Zr	Pb	Zn
Method	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP14B	@ICP90Q	@ICP90Q
Det.Lim.	0.01	2	10	5	5	0.5	0.05	0.05
Units	%	ppm	ppm	ppm	ppm	ppm	%	%
CT11-01	0.02	73	<10	12	>10000	8.7	N.A.	1.69
CT11-02	<0.01	>1000	20	<5	>10000	1.7	5.63	5.13
CT11-03	<0.01	>1000	20	<5	>10000	2.1	6.38	4.53
CT11-04	0.01	70	<10	7	1400	4.4	N.A.	N.A.
CT11-05	0.01	236	<10	7	1870	7.6	N.A.	N.A.
CT11-06	0.01	16	<10	<5	870	5.3	N.A.	N.A.
CT11-07	0.02	185	<10	<5	1630	4.8	N.A.	N.A.
CT11-08	0.02	87	<10	<5	948	5.9	N.A.	N.A.
CT11-09	0.03	43	20	5	521	5.5	N.A.	N.A.
*Dup CT11-01	0.02	78	<10	13	>10000	9.2	N.A.	1.69

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