NI 43-101 Technical Report on Resources

Cusihuiriachic Property
Chihuahua, Mexico

Prepared for:

Sierra Metals Inc.
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1 Summary (Item 1)

On behalf of Sierra Metals Inc. (Sierra Metals), Gustavson Associates, LLC (Gustavson) has completed a mineral resource estimate for gold, silver, lead, and zinc at the Cusihuiriachic (Cusi) Project in Chihuahua Mexico, in accordance with Canadian National Instrument 43-101 (NI 43-101) and Form 43-101F1. This report describes geology and mineral resources of the Cusi Project, and documents the results of an independent review of existing geologic data and observations recorded during field reconnaissance.

This report was prepared to comply with public-reporting obligations for Mineral Projects under NI 43-101 for reporting following a press release for updated resources dated DATE. The mineral resource estimate and interpretations and conclusions reported here are based on technical data available prior to the effective date of this report, December 31, 2013 and are in accordance with the Definition Standards for Mineral Resources and Mineral Reserves according to the Canadian Institute of Mining, Metallurgy and Petroleum (CIM).

The Qualified Persons (QP), as defined by NI 43-101, responsible for this report are Mr. Thomas C. Matthews, MMSA-QP, Senior Resource Geologist at Gustavson, and Donald E. Hulse, P.E., SME-RM, Vice President at Gustavson.

Based on the ongoing mining and beneficiation activities, the Cusi Project is a producing property. The production decision was not based on a feasibility study of Mineral Reserves demonstrating economic viability. There is an increased uncertainty and economic and technical risks of failure associated with this production decision. Production and economic variables may vary considerably, due to the absence of a complete and detailed site analysis according to and in compliance with NI 43-101 specific risk analyses.

1.1 Property Description and Location

The Cusi Project area is located within the municipality of Cusihuiriachic in the central portion of Chihuahua State, Mexico. The Cusi Project area is located 135 kilometers (km) by car from the City of Chihuahua, Mexico. Climate is conducive for year round mining operations.

The Project area encompasses 11,657 hectares over a range of elevation of 1,950 to 2,460 meters above sea level (masl) in the Sierra Madre Occidental Mountain Range. This reference point as defined by the shaft of the Promontorio Mine is located at Northing 3,125,854 meters and Easting 319,019 meters in the 13R UTM grid in WGS84 ellipsoid.

On-site infrastructure is sufficient for supporting current and foreseeable mining operations.

1.2 Ownership

Sierra Metals' initially acquired mineral concessions for the Cusi Project area beginning in 2006. As of the Effective Date of this report, Sierra Metals wholly owns rights for exploration and mining for the Cusi Property for 73 mineral concessions covering an area of 11,657 hectares. Production from the Cusi Project area is subject to net smelter royalties ranging from 1.5 to 3%, depending on origin of the mined quantity with respect to the mineral concession area. All resource areas discussed in this report are located within the concessions controlled by Sierra Metals.

Sierra Metals holds surface rights to an area of 1,020 hectares located generally within the area where Sierra Metals holds mineral concessions. Gustavson notes that Sierra Metals' area of surface rights includes the access points to the Promontorio and Santa Eduwiges underground mines that are in operation, as well as surface rights over all resource areas delineated in this report, with the exception of La India.

Ore mined from the Cusi Project area is processed at Malpaso Mill, which is wholly owned by Sierra Metals.

1.3 Geology and Mineralization

The Cusi Project area lies within a possible caldera that contains a prominent rhyolite body interpreted as a resurgent dome. The rhyolite dome trends northwest-southeast with an exposure of roughly 7 by 3 km and hosts mineralization. It is bounded (cut) on the east side by strands of the NW-trending Cusi fault and on the west by the Border fault. The Cusi fault has both normal and right-lateral strike slip sense of shear. Strands of the Cusi fault are intersected by NE-trending faults, some of which indicate left-lateral strike-slip shear. NE trending veins associated with these faults dip steeply either NW or SE. High-grade and wide alteration and mineralization zones exist in the areas of intersection of NW and NE structures.

The Cusi fault is a regional fault that may have controlled the location of the caldera and resurgent dome. Continued movement on the Cusi and related faults cut and brecciated the caldera and dome rocks and provided conduits for mineralizing fluids.

Numerous mineralized veins on the property, typically moderately to steeply dipping to the southeast, southwest, and north, range from less than 0.5m to 2m wide, extend 100m to 200m along strike and up to 400m down-dip. There are at least six major mineralized veins within the Cusi area, described below. Small open pits were typically

developed at vein intersections. Mineralization mainly occurs in faults, epithermal veins, breccias, and fractures ranging from 1 to 10 meters wide.

1.4 Exploration Status

On behalf of Sierra Metals, Geomaps S.A. de C.V. has prepared geologic maps showing surface lithology at 1:5,000 scale and 1:1,000 scale, two regional cross sections through the Cusi Project area, and a stratigraphic column. This information has been used for Gustavson's geologic model.

In 2012, Geomaps conducted surface rock sampling in the Promontorio area in an effort to identify the presence of disseminated mineralization. Sierra Metals reviewed these data and found silver grades ranged from non-detectable (less than 20 grams per tonne (g/t)) to 351 g/t. Surface results are considered in the resource estimate for the La Gloria and Milagro areas, where limited drill information is available.

Sierra Metals has conducted underground mine sampling at the Promontorio, Santa Eduwiges, Monaco, La India, and La Gloria Areas. Underground sample data are used to identify mineralized zones, and are used for resource estimation for discrete-veins. Underground data were not used to estimate resource within the complex structural resource areas (Principally Promontorio and Santa Eduwiges) because it was found that the sample distribution distorts the local grade estimation.

Sierra Metals has conducted exploration drilling at the Cusi Project area since 2006. Through the Effective Date of this report, Sierra Metals has provided Gustavson with drilling data for 839 drillholes. Following data verification, Gustavson is of the opinion that the drillhole data are sufficient to support a resource estimate for seven areas within the Cusi Project area: La Gloria, Milagro, San Nicolas, San Juan, Promontorio, Santa Eduwiges, and La India.

1.5 Development and Operations

Sierra Metals began mining the Promontorio and Santa Eduwiges underground mines in 2008; mined ore is processed at Sierra Metal's Malpaso Mill located 37 kilometers from the Cusi Project. Since 2008, quantities mined and concentrates produced have increased steadily to their highest levels in 2013. In 2013, 106,854 tonnes were mined with an approximate average silver grade of 167 g/t. The Promontorio and Santa Eduwiges mines will continue to be mined. In addition, Sierra Metals is undertaking development of the underground mines La Gloria and La India.

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1.6 Mineral Resource Estimate

The Promontorio, Santa Eduwiges, La India, Milagro, San Nicolas, La Gloria, and San Juan mineral resource estimates are summarized in Table 1-1. This mineral resource estimate was completed under the supervision of Thomas Matthews, QP, of Gustavson Associates in accordance with NI 43-101 and CIM standards. This resource estimate contains drillhole and underground data available as of December 31, 2013.

Two of the mineral resource areas, Promontorio and Santa Eduwiges, are structurally complex zones at the intersection of NW and NE trending structures that display discrete vein mineralization as well as disseminated to highly fractured/stockworked mineralization surrounding discrete veins. These two zones are modeled using implicit indicator wireframes. The remaining resource areas, Milagro, San Nicolas, La Gloria, San Juan and La India, are modeled as simple, typical epithermal vein deposits with one or a few easily identified, discrete veins.

For those drillholes that were not assayed for their entire down-hole length, Gustavson made the conservative decision to assign non-assayed intervals zero grade. This decision was based on historical practices of only assaying visibly mineralized intervals, and therefore on the assumption that non-assayed intervals were non-mineralized.

This mineral resource estimate was completed by Gustavson, and includes consideration of drillhole, surface, and underground data as detailed in section 12, and available as of December 31, 2013. Gustavson is of the opinion that 90 g/t silver is a reasonable base case cutoff for a planned underground mining and froth flotation process. Lead and Zinc grades are not considered for cutoff, but can serve as additional metal credits. 90 g/t silver is the operating cutoff grade used by Cusi for their ore-waste determinations.

The cutoff grade is considered as follows:

Cutoff grade = Operating cost per tonne / Silver price / Silver recovery

- Operating Cost per tonne = $40
- Silver Price $20/ troy ounce = 0.65/g
- Silver recovery = 73%

This gives a cutoff grade of 85.2 g/t silver. 90 g/t gives an acceptable cushion to allow for royalty, transport, and refining charges. Gustavson is of the opinion that reporting the resource at a 90 g/t silver cutoff grade offers reasonable prospects for economic extraction.

1.6.1 Mined Out Volumes

Gustavson notes that not all the underground workings have been surveyed, and as such there is not a complete model of mined out volumes available to account for historic mining operations. Accordingly, Gustavson has accounted for historic and recent mining, stoping, and workings by working with Sierra mining engineers and geologists to estimate the percentage of estimated blocks remaining as resource on a level-by-level basis within each resource area. A total of 19.5% of block tonnage has been removed from the resource to account for mined out volumes. Gustavson is of the opinion that this approach constitutes a reasonable basis for consideration of mined out volumes, but cautions that there may be local discrepancies due to incomplete information.

1.6.2 Additional Factors

Gustavson knows of no environmental, permitting, legal, title, taxation, socio-economic, marketing, political, or other factors not discussed in this report that could materially affect the mineral resource.

1.6.3 Tabulation of Resource Estimate

The effective date of this mineral resource is December 31, 2013. Thomas Matthews, MMSA QP, Senior Resource Geologist with Gustavson Associates LLC, is the Qualified Person responsible for this resource estimate. Gustavson Associates validated the database used for resource estimation, constructed indicator wireframes and vein wireframes to constrain blocks and composites for estimation, and interpolated block grades using ordinary kriging to estimate this resource. Resources are presented at a 90 g/t silver cutoff grade, which represents reasonable prospects for economic extraction based on the current underground mine plan and froth flotation process. Gustavson considers the resource to meet industry standard practices, and to be CIM and NI43-101 compliant.

Mineral resources are not mineral reserves and do not demonstrate economic viability. Inferred resources reported herein are uncertain in nature and exploration completed to date is insufficient to define these mineral resources as indicated or measured. There is no guarantee that further exploration will result in the inferred mineral resources being upgraded to an indicated or measured mineral resource category. There is no certainty that all or any part of the mineral resource will be converted to mineral reserves. Mineral resources are not mineral reserves and may be materially affected by environmental, permitting, legal, socio-economic, marketing, political, or other factors. Quantity and grade are estimates and are rounded to reflect the fact that the resource estimate is an approximation.

Table 1-1 December 31, 2013 Cusi Project Mineral Resource Estimate

Indicated Resources						
	Tonnes	Ag Grade (g/t)	Ounces Ag	Au (g/t)	Pb (%)	Zn (%)
Promontorio	920,000	234.7	6,941,000	0.04	0.30	0.33
Santa Eduwiges	457,000	248.5	3,649,000	0.07	0.88	0.72
San Nicolas	35,000	286.2	320,000	0.07	0.38	0.31
La India	170,000	184.9	1,012,000	0.16	0.13	0.25
Monaco/Milagro	46,000	201.8	298,000	0.81	0.88	1.58
San Juan	37,000	165.7	196,000	0.01	0.17	0.15
Total	1,665,000	231.9	12,416,000	0.08	0.46	0.46
Inferred Resources						
	Tonnes	Ag Grade (g/t)	Ounces Ag	Au (g/t)	Pb (%)	Zn (%)
Promontorio	1,314,000	280.5	11,848,000	0.07	0.27	0.26
Santa Eduwiges	275,000	167.5	1,480,000	0.06	0.80	0.63
San Nicolas	333,000	234.6	2,512,000	0.06	0.22	0.2
La India	248,000	162.2	1,293,000	0.14	0.13	0.25
La Gloria/Minerva	309,000	178.5	1,774,000	0.11	0.20	0.07
Monaco/Milagro	191,000	127.9	787,000	0.14	0.53	0.76
San Juan	67,000	151.3	326,000	0.01	0.17	0.14
Total	2,737,000	227.5	20,020,000	0.08	0.31	0.30

1.7 Results & Conclusions

The Promontorio, Santa Eduwiges, La India, San Juan, La Gloria / Minerva, San Nicolas, and Milagro mineral resource estimates are summarized in Table 1-1.

1.7.1 Environment

While no permit is required for the tailings piles at the Malpaso Mill, the tailings pile at the Malpaso Mill may not be lined, and may pose as a potential environmental liability. Gustavson understands that Sierra Metals intends to cover the tailings dam upon completion of mining at Cusi. Gustavson recommends that Sierra Metals evaluate an environmental investigation of the tailings piles.

1.7.2 Exploration

Gustavson has reviewed Sierra Metals' drilling and sampling protocols, and identified data deficiencies. Notably, we noted that important lithological contacts, such as the andesite-rhyodacite contact identifying the extent of the Cusi Fault or hanging/footwalls of veins, were not consistently logged. In the absence of these data, Gustavson used the surface expression of mineralized structures, occurrence of veins in underground mine workings (if available), and silver grades to identify structural boundaries. Identifying mineralized boundaries using silver grade is complicated by limited assay

intervals, that is, on average, 38% of a drillhole was assayed, leaving a data gap of silver grades in assay intervals.

Gustavson has reviewed Sierra Metals' QA/QC data for assay samples and noted deficiencies in QA/QC protocols. As a result, Gustavson has made conservative estimates for classification of resources, as described in Section 17.1.3.

There is significant uncertainty in drillhole sample locations caused by lack of downhole survey control, particularly in combination with areas of complex drilling patterns and multiple drillhole orientations. This uncertainty increases the complexity of constructing mineral domains, decreases the local accuracy of the estimate, and contributes to Gustavson's conservative parameters for resource classification, as described in section 1.7.3.

1.7.3 Mineral Resource Estimate

To account for data quality deficiencies, Gustavson has made conservative estimates, including (1) assumption of non-assayed intervals as barren; (2) consideration of underground assay data only for areas where the data are discrete; and (3) classification of resource estimate as indicated and inferred (no measured resources).

For the two largest mineralized zones, Promontorio and Santa Eduwiges, this assumption of barren unassayed intervals is expected to cause an underestimation of the extents of stockwork mineralization. In the largest mineralized zones, Promontorio and Santa Eduwiges, drilling density is sufficiently high that it would be expected to support classification of measured mineral resources, in the absence of data quality deficiencies.

Promontorio, Santa Eduwiges, and La India are active or former mines with known workings as shown in Section 16. For Promontorio and Santa Eduwiges, Sierra Metals provided Gustavson with 3D wireframes of mine workings. Gustavson understands that some of the deeper mine levels have not been surveyed. Gustavson worked with Sierra Metals geologists and engineers to determine a system for reducing resource tonnages within portions of the deposit with current and historic mining activity. It is expected that this system contains local inaccuracies; however it is a reasonable approach to considering mined out volumes until such time as more complete surveys of underground workings become available.

Gustavson recommends that Sierra Metals complete a survey of all workings within the Promontorio, Santa Eduwiges, and La India mine areas and prepare 3D depictions. This information would help to refine the understanding of mined out volumes, and be a significant aid in future modeling and mine planning efforts.

1.7.4 Metallurgy and Processing

Gustavson's review of reports from the Malpaso Mill indicated that the average metal recoveries at the Malpaso Mill have been 73% silver recovery and 64% lead recovery in lead concentrate. Recoveries to date have been based on processing ore from Santa Eduwiges and Promontorio mine areas, and may not be reflective of recoveries from processing ore at San Juan and La India. Gustavson is aware that there are areas within the Cusi Project area with significant gold values, however, recovery of gold has not been monitored at the Malpaso Mill and no metallurgical testing has been conducted. Gustavson recommends that Sierra Metals conducts metallurgical testing using representative ore samples from all areas expected to be mined to determine recoveries for all metals of interest.

1.7.5 Projected Economic Outcomes

The production decision at the Cusi Project area was not based on a feasibility study of Mineral Reserves demonstrating economic viability. There is an increased uncertainty and economic and technical risks of failure associated with this production decision. Production and economic variables may vary considerably, due to the absence of a complete and detailed site according to and in compliance with NI 43-101 Standards of Disclosure specific risk analysis.

Given that the Cusi Project area is considered a producing property, Gustavson recommends that Sierra Metals prepare an NI 43-101-compliant site and economic analysis, culminating in estimation of mineral reserves estimation and a Pre-Feasibility Study.

1.8 Recommendations

Gustavson recommends the following as the next steps that Sierra Metals takes for the Cusi Project area:

- Conduct an assay program, including blanks and standards, for 2006-2012 drillholes. This program would include duplicate assays for confirmation of values previously analyzed at Malpaso, as well as assays of intervals of interest which are previously unsampled. These measures would increase confidence of 2006-2012 drilling data, and potentially expand mineralized zones in stockworked areas.
- Re-log the lithology of retained drill core to improve understanding of the Cusi Fault boundary.
- Conduct routine in-situ bulk density sampling.
- Continue to improve QA/QC protocols so that all additional drilling and assay data can be used without restrictions. Particular emphasis should be on consistent recording of standards and blanks submitted, submission of standards

and blanks with underground sampling material as well as drill material, and development of a system for re-assay of non-compliant intervals.

- Audit and improve methods and practices for Malpaso Laboratory, including particularly sample preparation processes, data entry and data handling processes, consistency of internal reporting, and methodology for assay of exploration-grade lead and zinc.
- Consider implementation of a LIMS (Laboratory Information Management System) for automated data handling and retrieval for sample data at Malpaso.
- Conduct downhole surveys of accessible drillholes to improve understanding of downhole curvature and improve location data for drill sampling.
- Continue with exploration drilling in target areas, particularly in areas where indicated resource is discontinuous or unestimated due to lack of sufficient data density. Conduct collar and downhole surveys for all exploration drillholes, and continue the current practice of assaying all potentially mineralized intervals.
- Update of resource estimate.
- Conduct metallurgical test work for gold recovery and optimize silver recoveries, and determine recoveries from all material expected to be mined in the future.
- Conduct an analysis of mining dilution relative to the updated resource estimate for various mining processes to understand appropriate ore loss and dilution factors for consideration of reserves.
- Conduct a NI43-101-compliant site and economic analysis, culminating in reserves estimation and Pre-Feasibility Study to define and quantify mineral reserves, evaluate mining and processing method, and opportunities for advances, expansions, and optimization of mining and processing at Cusi Project area.

The budget for the recommended work is summarized in Table 1-2.

Table 1-2 Estimated Budget for Recommended Work

Task	Cost
Conduct additional assay, and re-log of lithology of retained drill core	$20,000
Re-log of lithology of retained drill core	$5,000
Improve and Monitor QA/QC protocols	$10,000
Bulk Density Sampling	$10,000
Additional exploration drilling in target areas	$300,000
Malpaso process audit and improvements	$30,000
LIMS System implementation	$70,000
Update resource estimate	$50,000
Conduct metallurgical test work for gold recovery and optimize silver recoveries	$60,000
Conduct a Pre-Feasibility Study	$350,000
Total	**$905,000**

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2 Introduction (Item 2)

2.1 Terms of Reference and Purpose of the Report

On behalf of Sierra Metals Inc. (Sierra Metals), and their Mexico Subsidiary, Dia Bras Mexico S.A. de C.V. (DiaBras), Gustavson Associates, LLC (Gustavson) has completed a mineral resource estimate for silver, lead, and zinc at the Cusihuiriachic (Cusi) Project in Chihuahua Mexico, in accordance with Canadian National Instrument 43-101 (NI 43-101) and Form 43-101F1. This report describes geology and mineral resources of the Cusi Project, and documents the results of an independent review of existing geologic data and observations recorded during field reconnaissance.

Sierra Metals acquired the initial mineral claims for the Cusi Project in 2006. Since then, Sierra Metals has begun developing and mining, and shipping mined materials to the Sierra Metal's Malpaso Mill located 37 kilometers from the Cusi Project.

Based on the ongoing mining and beneficiation activities, the Cusi Project is a producing property. The production decision was not based on a feasibility study of Mineral Reserves demonstrating economic viability. There is an increased uncertainty and economic and technical risks of failure associated with this production decision. Production and economic variables may vary considerably, due to the absence of a complete and detailed site analysis according to and in compliance with NI 43-101 specific risk analyses.

This report was prepared to comply with public-reporting obligations for Mineral Projects under NI 43-101 for reporting following a press release for updated resources dated March 27, 2014. The mineral resource estimate and interpretations and conclusions reported here are based on technical data available prior to the effective date of this report, December 31, 2013 and are in accordance with the Definition Standards for Mineral Resources and Mineral Reserves according to the Canadian Institute of Mining, Metallurgy and Petroleum (CIM).

Items 15 through 22 of Form 43-101F1 (Mineral Reserve Estimates, Mining Methods, Recovery Methods, Project Infrastructure, Market Studies and Contracts, Environmental Studies, Permitting and Social or Community Impact, Capital and Operating Costs, and Economic Analysis, respectively) are not required for a Technical Report on Resources and are not included in this report.

2.2 Qualifications of Consultants (Gustavson)

The Qualified Persons, as defined by NI 43-101, responsible for this report are Mr. Thomas C. Matthews, MMSA-QP, Senior Resource Geologist at Gustavson, and Donald E. Hulse, P.E., SME-RM, Vice President at Gustavson. Mr. Matthews is

responsible for sections 1, 2, 7 thru 12, 14, 17, 18 and for the overall content of this report. Mr. Hulse is responsible for sections 3 thru 6, 13, 15, and 16 of the report.

2.2.1 Details of Inspection

Gustavson's Qualified Persons, along with Geologist Ms. Kelsey Zabrusky, visited the Cusi site January 13th and 14th, 2014. The site visit included a review of project geology with Cusi staff, visits to various active underground workings in Santa Eduwiges and Promontorio mines for direct observation of the geologic controls of mineralization, underground drilling procedures, and underground sampling methodologies. Gustavson staff also examined mineralization in drill core and reviewed the core logging, sampling, and core storage areas on site.

2.3 Sources of Information

The information, opinions, conclusions, and estimates presented in this report are based on the following:

- Information and technical data provided by Sierra Metals;
- Observations made by Gustavson personnel on site;
- Review and assessment of previous investigations;
- Assumptions, conditions, and qualifications as set forth in the report; and
- Review and assessment of data, reports, and conclusions from other consulting organizations and previous property owners.

Gustavson sourced information from referenced documents as cited in the text and those summarized in Section 19, References, of this report.

2.4 Effective Date

This report was completed based upon information available at the effective date of this report, December 31, 2013.

2.5 Units of Measure

Unless stated otherwise, all measurements reported here are in metric units, tonnes are metric, and currencies are expressed in constant 4Q 2013 US dollars. Precious metal content is reported in grams metal per tonne (g/t) and troy ounces (oz), while base metals are reported in weight percent (%).

3 Reliance on Other Experts (Item 3)

3.1 Sources of Information

The Qualified Persons relied in good faith on information provided by Sierra Metals regarding mineral tenure, royalty, and surface rights information (Sections 4.2 through 4.4). The Qualified Persons have not independently verified mineral tenure, which was based on information provided to Gustavson from Sierra Metals.

4 Property Description and Location (Item 4)

4.1 Property Description and Location

The Cusi Project area is located within the municipality of Cusihuiriachic in the central portion of Chihuahua State, Mexico. A generalized map showing the location of the Cusi Property is provided in Figure 4-1. The Project area encompasses 11,657 hectares over a range of elevation of 1,950 to 2,460 meters above sea level (masl) in the Sierra Madre Occidental Mountain Range.

Sierra Metals conducted onsite surveys using a local coordinate system, with the shaft of the Promontorio underground mine as the reference point of 10,000 meters Northing and 10,000 meters Easting. This reference point is located at Northing 3,125,854 meters and Easting 319,019 meters in the 13R UTM grid in WGS84 ellipsoid.

Source: Sierra Metals, 2013

Figure 4-1 Regional Map

4.2 Mineral Titles

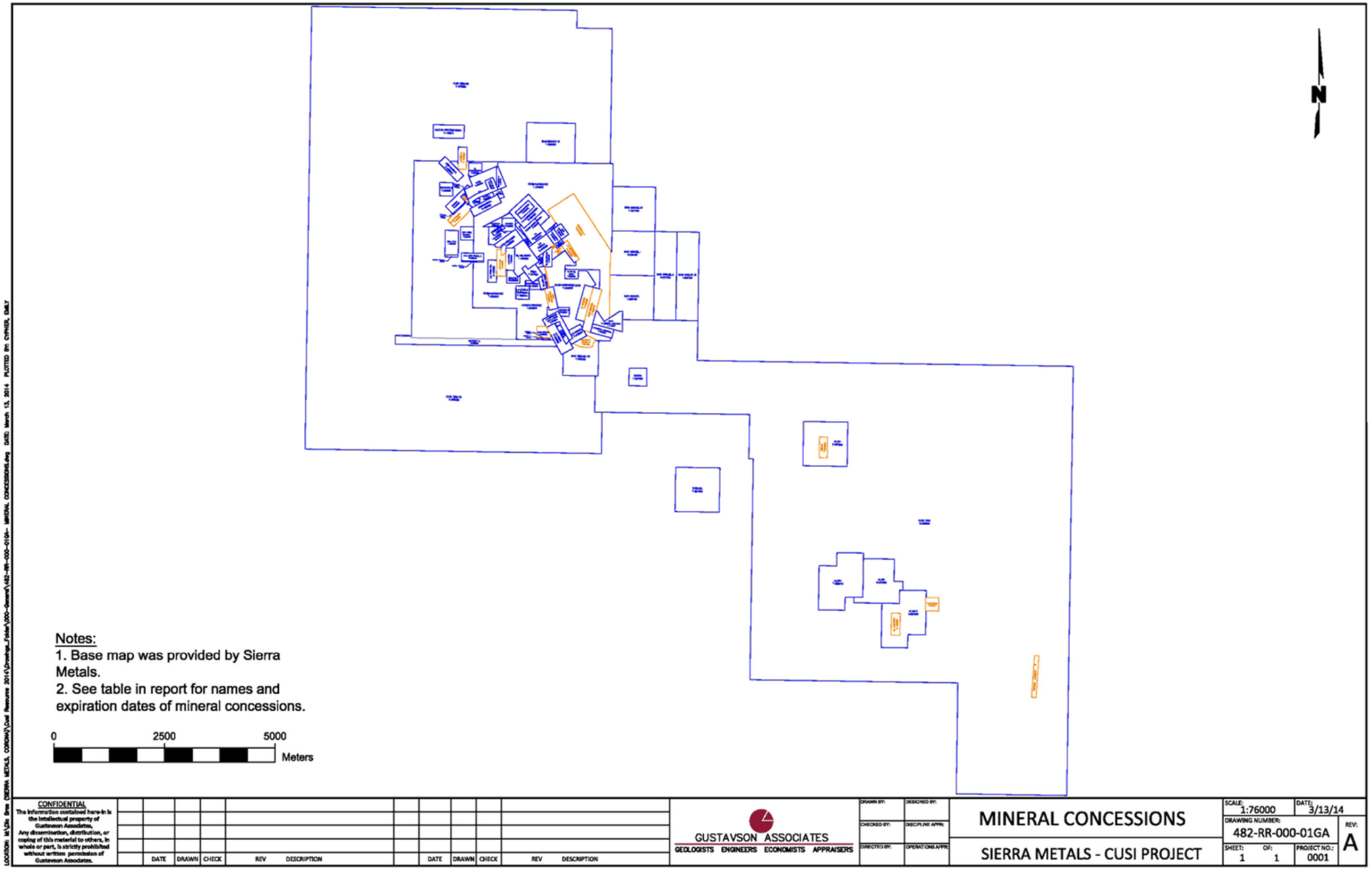
Information regarding agreements, rights, and titles was provided by Sierra Metals to Gustavson for review. Sierra Metals wholly owns "Titulo de Concession Minera" rights for exploration and mining for the Cusi Property, as listed in Table 4-1. Locations of the claims for the Cusi Project are shown in Figure 4-2.

Table 4-1 Concession Summary

Concession Name	Concession No.	Area (ha)	Expiration Date
Concessions from Minera Cusi S.A. de C.V.			
AGUILA	T-216262	4	22-Apr-52
AMPL. LA NUEVA JOSEFINA	T-177597	18	31-Mar-36
AÑO NUEVO	T-192908	12	18-Dec-41
CUSIHUIRIACHIC	T-240976	472	15-Nov-62
CUSIHUIRIACHIC DOS	T-220576	88	27-Aug-53
EL HUECO	T-172321	2	23-Nov-33
EL MILAGRO	T-166580	27	26-Jun-30
EL PRESIDENTE	T-209802	8	8-Aug-49
EL SALVADOR	T-190493	8	28-Apr-41
LA BUFA CHIQUITA	T-220575	4	27-Aug-53
LA CONSOLIDADA	T-165102	22	22-Aug-29
LA DOBLE EUFEMIA	T-188814	9	28-Nov-40
LA GLORIA	T-179400	10	8-Dec-36
LA HERMANA DE LA INDIA	T-180030	13	22-Mar-37
LA ILUSION	T-166611	6	26-Jun-30
LA INDITA	T-212891	10	12-Feb-49
LA MEXICANA	T-165883	2	20-Dec-32
LA NUEVA JOSEFINA	T-181221	10	10-Sep-37
LA PERLA	T-165968	15	12-Dec-29
LA PERLITA	T-163565	10	9-Oct-28
LA RUMOROSA	T-166612	20	26-Jun-30
LA SUERTE	T-216711	11	27-May-52
LUIS	T-194225	3	18-Dec-41
MARGARITA	T-165969	14	12-Dec-29
MINA VIEJA	T-165742	8	10-Dec-29
MONTERREY	T-183820	5	21-Nov-38
NUEVA RECOMPENSA	T-195371	21	13-Sep-42
NUEVA SANTA MARINA	T-182002	16	7-Apr-38
PROMONTORIO	T-163582	8	29-Oct-28
LOS PELONES	T-166981	16	4-Aug-30
SAN IGNACIO	T-165662	3	27-Nov-29

Concession Name	Concession No.	Area (ha)	Expiration Date
Concessions from Manuel Holguin			
ALMA	T-227982	80	25-Sep-56
BASE	T-217584	24	5-Aug-52
BASE 1	T-227657	4	27-Jul-56
CIMA	T-217231	10	1-Jul-52
FLOR DE MAYO	T-224700	14	30-May-55
MANUEL	T-227360	100	13-Jun-56
MANUEL 1 FRACC. A	T-229747	1	12-Jun-57
MANUEL 1 FRACC. B	T-229748	1	12-Jun-57
NORMA	T-218851	12	21-Jan-53
NORMA 2	T-219283	2	24-Feb-53
SAIRA	T-227365	16	13-Jun-56
SAN BARTOLO	T-150395	6	29-Sep-18
SAN JUAN	T-218657	12	2-Dec-52
SAN JUAN FRACC. A	T-218658	0	2-Dec-52
SAN JUAN FRACC. B	T-218659	0	2-Dec-52
SAN MIGUEL	T-229166	96	20-Mar-57
SAN MIGUEL I	T-228484	99	23-Nov-56
SAN MIGUEL II	T-227363	100	13-Jun-56
SAN MIGUEL III	T-227364	100	13-Jun-56
SAN MIGUEL IV	T-227485	97	26-Jun-56
SAN MIGUEL V	T-227984	7	25-Sep-56
SAN MIGUEL VI	T-228058	99	28-Sep-56
SAN MIGUEL VII	T-229084	53	5-Mar-57
SAYRA I	T-229064	7	1-Mar-57
STA. RITA	T-229081	17	5-Mar-57
STA. RITA FRACC. I	T-229082	9	5-Mar-57
STA. RITA FRACC. II	T-229083	9	5-Mar-57
Concessions from Martha Azucena Holguin			
ALMA	T-227650	87	27-Jul-56
ALMA I	T-226816	106	9-Mar-56
ALMA II	T-227651	91	27-Jul-56
Concessions from Hector Sanchez Villalobos and Carmon Saenz Rodriguez			

Concession Name	Concession No.	Area (ha)	Expiration Date
LA INDIA	T-150569	16	27-Oct-18
MARISA	T-220146	5	16-Jun-53
Concessions from Mexican Federal Government			
BRONCO 1 A	T-240329	56	22-May-62
BRONCO 1 B	T-240330	1	22-May-62
BRONCO 2	T-239311	8	13-Dec-61
BRONCO 4	T-239312	1	13-Dec-61
BRONCO 5	T-239335	7	13-Dec-61
BRONCO 6	T-239321	9	13-Dec-61
CUSI DBM	T-229299	4,717	2-Apr-57
CUSI DBM-02	T-232028	4,695	9-Jun-58
ZAPOPA	T-240189	8	12-Apr-62
Total Area		**11,657**	



Note: Concessions shown in orange are not part of the Cusi project.

Figure 4-2 Mineral Concessions

4.3 Royalties, Agreements and Encumbrances

Mineral concessions that make up the Cusi property were acquired from private entities and the Mexican federal government (Dirección General de Minas). The terms associated for the claim blocks are described below.

4.3.1 Purchase Agreement with Minera Cusi

Mineral concessions were purchased from Minera Cusi S.A. de C.V. under a purchase agreement dated April 15, 2008. A total of 31 mineral concessions for 862 hectares were acquired from Minera Cusi. Sierra Metals is subject to a net smelter royalty (NSR) on production from the Minera Cusi concessions of 2% if the price of silver is less than $11 per ounce; and a NSR of 3% if the price of silver is greater than $11 per ounce.

4.3.2 Purchase Agreement with Manuel Holguin

The mineral concessions from Manuel Holguin consisting of 27 concessions over an area of 976 hectares were acquired under three purchase agreements dated May 30, 2006, December 7, 2006, and November 15, 2007. Royalties under the original purchase agreements were acquired under purchase agreements dated April 24, 2012 and November 23, 2012. These concessions are not currently subject to any royalties. Sierra Metals holds 100% interest in these concessions.

4.3.3 Purchase Agreement with Martha Azucena Holguin

The mineral concessions from Martha Azucena Holguin consisting of 50% share of 3 concessions over an area of 293 hectares were acquired under a purchase agreement dated May 12, 2010. The remaining 50% share was acquired under purchase agreement with Manuel Holguin May 30, 2006. These concessions are not subject to any royalties. Sierra Metals holds 100% interest in these concessions.

4.3.4 Purchase Agreement with Hector Sanchez

The mineral concessions consisting of 2 concessions over an area of 21 hectares were purchased from Hector Sanchez Villalobos and Carmen Saenz Rodriguez under a purchase agreement dated May 2, 2006. These concessions are subject to a 1.5% NSR royalty from production on the two concessions, to a maximum of $1.5 million. Sierra Metals holds 100% interest in these concessions.

4.3.5 Agreement with Mexican Government

The 10 concessions over an area of 10,954 hectares were acquired from the Mexican federal government. Exploration and mining at the Cusi property are subject to semi-annual payments to the Mexican federal government. Fees are paid to the federal government twice each year, in January and July. Sierra Metals made a payment of

494,652.00 Mexican Pesos to the Mexican federal government in January 2014 covering the concessions for the Cusi Project for the period from January to June 2014.

4.4 Surface Rights

Surface rights for the Cusi Project are shown in Figure 4-3 in the grey shape. Sierra Metals currently holds a 60 year contract for surface rights that are due to expire in 2066. Sierra Metals is in the process of acquiring the lands where surface rights are currently held.

Sierra Metals indicates that they have sufficient road access, including right-of-way on roads located outside the area of surface rights.

Sierra Metals is currently mining the Promontorio and Santa Eduwiges mine areas: surface access for both of these mines lies within the area where Sierra Metals holds surface rights. Sierra Metals has a working relationship with the local Santa Rita community, who views mining at the Promontorio mine and associated jobs favorably.

Access to San Nicolas and Monaco areas is through the Santa Eduwiges underground mine. Sierra Metals also holds surface rights to these areas.

Gustavson understands that Sierra Metals is undertaking development of underground workings of the La Gloria, San Juan and La India Mine areas for future anticipated mining activities. Sierra Metals holds surface rights for the La Gloria and San Juan areas. Sierra Metals does not own the surface rights for the La India mine area, but is pursuing an agreement with the local community of Santa Rita for surface rights.

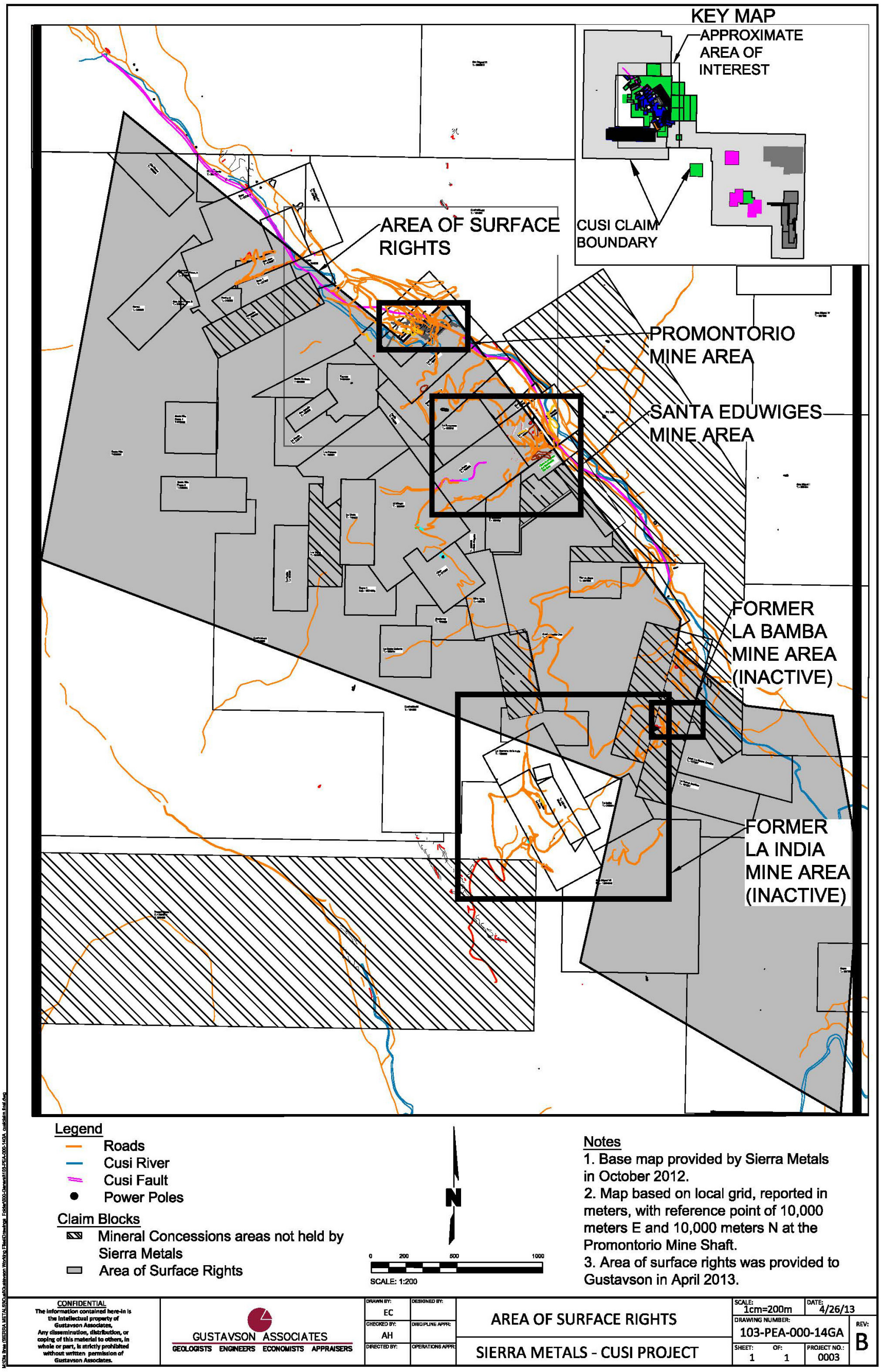


Figure 4-3 Area of Surface Rights

4.5 Environmental Liabilities and Permitting

4.5.1 Environmental Liabilities

As part of current mining operations, waste rock from mining at Promontorio and Santa Eduwiges is stored near the entrances of the respective mines. Management of these waste rock piles does not require permits (see Section 4.5.2).

Tailings are stored in two tailings piles in the vicinity of the Malpaso Mill. Gustavson is not aware of whether the tailings piles are underlain with a low-permeability liner. The Malpaso Mill has been in operation since the 1970s, prior to the promulgation of environmental laws, and no environmental permit is necessary for operation of the Malpaso Mill. Gustavson understands that Sierra Metals has plans to cover the tailings piles upon completion of mining operations at Cusi.

4.5.2 Required Permits and Status

According to the information provided to Gustavson, Cusi mine and Malpaso mill are exempt from permit requirements because the operations predate the environmental laws. Sierra has received formal recognition of the permit exemption for Malpaso and is awaiting documentation of recognition of the exemption for the mine. Requirements for environmental and land use change permits are managed by the Mexican federal government's Secretary of Environment and Natural Resources (Secretaria de Medio Ambiente y Recursos Naturales, or "SEMARNAT") and local government.

Sierra Metals holds an explosives use permit from the Mexican federal government's Secretary of National Defense (Secretaria de la Defensa Nacional, or "SEDENA"). This permit expires in December 31, 2014, is in good standing and is renewed annually.

4.6 Other Significant Factors and Risks

As Sierra Metals does not hold surface rights for the La India area, it would be difficult to construct access or begin operations at La India at this time. Sierra Metals believes that it will be possible to secure these surface rights in a timely manner at a reasonable cost, but until such an agreement is secured, that portion of the resource remains at risk.

While no permit is required for the tailings piles at the Malpaso Mill, because the existing tailings deposit pre-dates permitting requirements, the tailings pile at the Malpaso Mill may not be lined, and may pose as a potential environmental liability. Gustavson recommends that Sierra Metals evaluate an environmental investigation of the tailings piles.

5 Accessibility, Climate, Local Resources, Infrastructure and Physiography (Item 5)

5.1 Topography, Elevation and Vegetation

The topography of the Cusi Project ranges from approximately 2,000 to 2,500 masl. A topographic map of the site is provided in Figure 5-1.

The Cusi Project is covered by vegetation consisting of deciduous forest in the valleys and coniferous forest at higher altitudes. Land use around the Cusi property is agricultural, including crops and cattle ranching. Overburden thickness ranges from one to three meters and consists of unconsolidated conglomerate with pebbles and boulders of volcanic rocks, sand, clay, and volcanic ash. Wildlife in and surrounding Cusi property includes insects, lizards, snakes, birds, and small mammals.

5.2 Climate and Length of Operating Season

The climate at the Cusi Project is described as semi-arid with average daily mean temperatures per month ranging from 7.5° to 21.7° Celsius, with hotter months occurring mid-year. Annual precipitation is approximately 448 millimeters, with monthly precipitation ranging from 4.1 to 121 millimeters. The highest rainfalls during the year are recorded between July and September. Climate is conducive for year round mining operations.

5.3 Sufficiency of Surface Rights

Sierra Metals holds surface rights over most of the main mining and resource areas discussed in this report. The main mine shaft of the Promontorio Mine is close to the surface rights boundary, and there is a second, currently unused shaft, (Tiro Consolidada) which is just outside the surface rights area. Cusi does not currently control surface rights for the La India mine. Otherwise, surface rights are expected to be sufficient for mining.

5.4 Accessibility and Transportation to the Property

The Cusi property is situated within the municipality of Cusihuiriachic located in the central portion of Chihuahua State, Mexico, approximately 135 kilometers (km) by car west of the City of Chihuahua. Access to the village of Cusihuiriachic from the City of Chihuahua is 105 km along Federal Highway No. 16 to Cuauhtémoc, then south for 22 km along a paved road to the village of Cusihuiriachic, where the Cusi Property is located. A generalized map showing the location of the Cusi Property is provided in Figure 4-1. An international airport is located in the city of Chihuahua.

5.5 Infrastructure Availability and Sources

The current infrastructure is sufficient to support current exploration, development and mining at the Cusi Project; and milling operations at Malpaso, as described below. In 2013, approximately 97,000 tonnes of ore were mined from the Promontorio and Santa Eduwiges Mines. A description of Sierra Metals' mining activities at the Cusi Project area is provided in Section 16.

5.5.1 Power

Electrical power at the Cusi Project and Malpaso Mill is provided by the Mexican Electricity Federal Commission (Comisión Federal de Electricidad). At the Cusi mine, electricity is conveyed in 33,000-Volt power lines. At the Malpaso Mill, electricity is delivered on a 1,290-kilowatt power line. Existing electricity supply is expected to be adequate for foreseeable mining operations.

5.5.2 Water

At the Cusi mine, Sierra Metals utilizes water recovered from the underground workings for process water and support of mining operations. Water was generated from dewatering operations in the Promontorio and Santa Eduwiges Mines.

Potable water is trucked in.

5.5.3 Mining Personnel

At the Cusi mine, approximately 100 persons are employed, and 67 persons are employed at the Malpaso Mill.

5.5.4 Tailings Storage Areas

Two tailings dams are located in vicinity of the Malpaso Mill. Land position within the Malpaso Mill is expected to be adequate to support anticipated mining operations.

5.5.5 Waste Disposal Areas

Waste from the Promontorio and Santa Eduwiges mines is stored near the entry portals and ramps of these mines. Waste disposal areas are expected to be sufficient for expected future operations.

5.5.6 Processing Plant Sites

Ore from the Cusi Project is processed in the El Triunfo circuit of the Malpaso Mill, which has a capacity of 500 tonnes per day, and is expected to be sufficient for expected future operations.

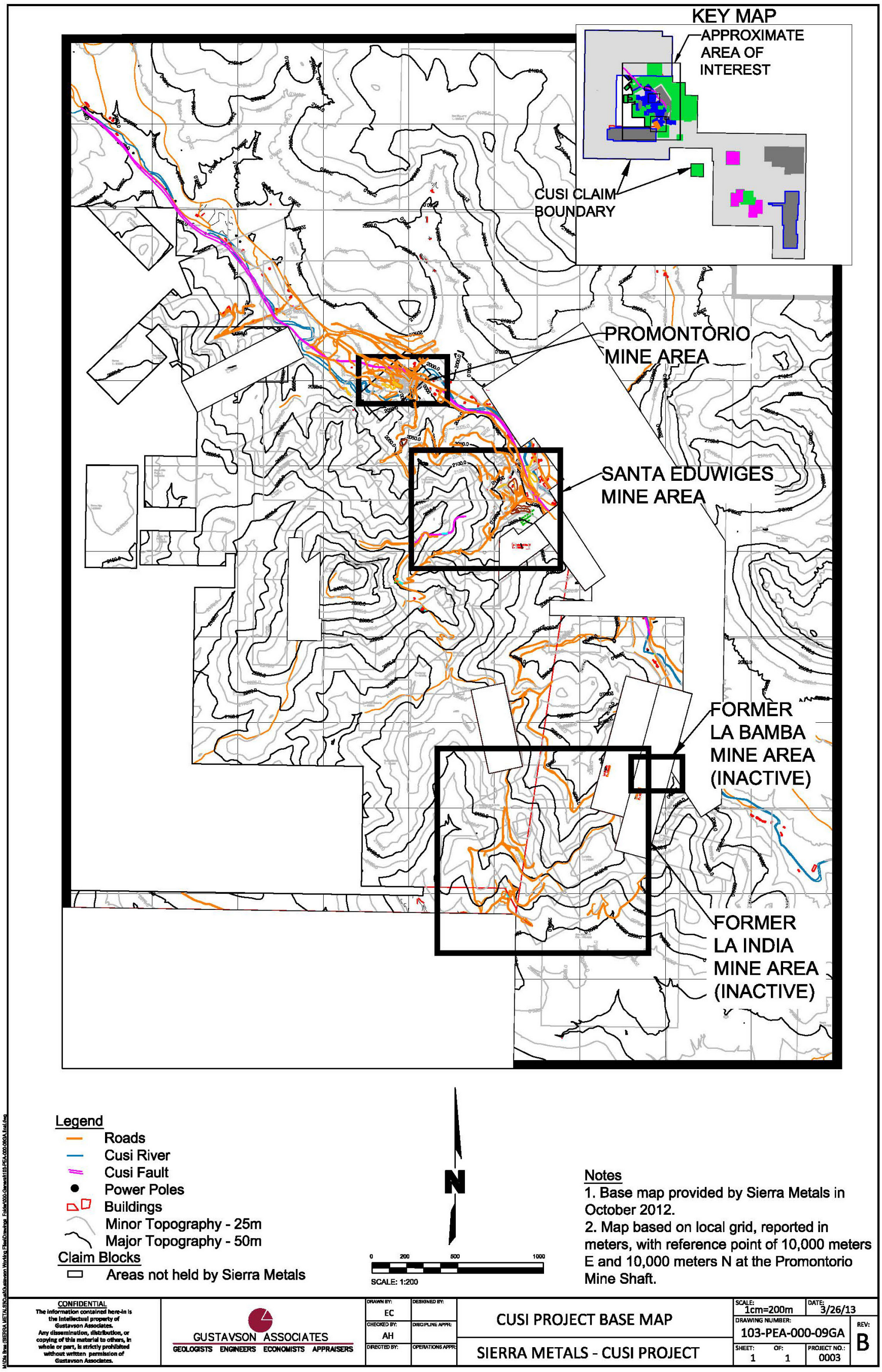


Figure 5-1 Topographic Base Map for Cusi Project

6 History (Item 6)

6.1 Ownership

Previous owners of mineral concessions at the Cusi Project include Manuel Holguin, Hector Sanchez, and Minera Cusi S.A. de C.V.; and are summarized in Table 6-1.

Table 6-1 Historical Ownership of Cusi Project

Historical Owner 1	Historical Owner 2	Historical Owner 3	Date Acquired by Sierra Metals
Unknown	Unknown	Manuel Holguin	May 2006 – November 2007
Unknown	Unknown	Hector Sanchez	May 2006
Helena Mining Company (1896-1911)	Cusi Mexicana Mining Company (1911-1937)	Minera Cusi S.A. de C.V.	April 2008

6.2 Prior Production and Mining

History as described in this section was excerpted from RPA (2006) and provided by Sierra Metals.

6.2.1 Historical Production during Spanish Colonial Times

Gold and silver were first discovered in the Cusi Project within the San Miguel and La Candelaria zones by a Spaniard, Antonio Rodríguez, in 1687, and continued until the Mexican war of independence, which began in 1810. The amounts mined during the Spanish colonial time are not well documented.

6.2.2 Historical Production after Mexican War of Independence

The Mexican war of independence occurred from 1810 to 1821. Operators and mined quantities from 1821 to 1881 are not known to Gustavson. From 1881 to 1890, Don Enrique Mining Co. conducted mining operations. From 1896 to 1911, the Helena Mining Company purchased and conducted mining operations: during this period, the Santa Marina and San Bartolo shafts were sunk to the 1,000 foot level. North Mexican Mining Company acquired a portion of the Cusi Project area. In 1911, Cusi Mexicana Mining Co. purchased the property from Helena Mining Company. During the period of the Mexican Revolution from 1910 to 1920, mining at the Cusi Project area occurred intermittently. Total tonnage mined from 1821 – 1920 is not known to Gustavson.

From the 1920s to 1937, concessions of the Cusi Project area were acquired by The Cusi Mining Company of American Capital. As reported by Sierra Metals, one million tonnes were mined. As reported in RPA (2006), from 1924 to 1942, 504,048 tonnes were mined, producing 265,460 kilograms of silver; however, mined areas were not reported. From 1937 to the 1970s, mining from the Cusi property was reportedly

dormant. In the 1970s, mining occurred in several mines in the Cusi Project area: an estimated 3,000 tons of ore per month were being produced at an average silver grade of 12 to 18 ounces per ton silver.

As reported in RPA (2006), during the 1980s, Minera Cusi conducted limited mining: no quantities were reported.

6.3 Past Exploration Results

As stated in RPA (2006), exploration activities were conducted by Slocan Development Corp., Minera Cusi, and Pacific Islands Gold. Slocan Development Corp. conducted mineralogical studies which were reported in 1975; these reports were not available to Gustavson. Minera Cusi conducted surface and geochemical studies and reported results in 1988 and 1989; these reports were not available to Gustavson. Pacific Gold conducted geologic mapping, surface and underground chip sampling, and reverse circulation (RC) drilling along the San Miguel vein; these results were not available to Gustavson.

6.4 Historic Mineral Resource Estimate

In 1982, the Mexican federal government's Mineral Resources Council (Consejo de Recursos Minerales (CRM)) estimated the total resources of the San Julian deposit in the Cusi area to be in the order of 421,000 tonnes at an average grade of approximately 58.2 g/t silver and 6.98% lead (De le Fuente, 1982a and 1982b). Gustavson does not know the location or extent of the San Julian deposit. This resource estimate is not NI 43-101 compliant as it was completed prior to promulgation of NI 43-101 requirements and cannot be relied upon. Gustavson did not review the CRM resource estimate and they are not included as part of the current estimate.

6.5 Malpaso Mill

Sierra Metals acquired the Malpaso Mill in 2004 and began production in March 2005 with ore from another Sierra Metals' Mexican property, the Bolivar Mine, through 2011. In 2012, Sierra Metals opened a mill at Bolivar Mine, and thus no further ore from the Bolivar Mine was processed at the Malpaso Mill.

7 Geological Setting and Mineralization (Item 7)

7.1 Regional Geology

The Cusi Project is located within the Sierra Madre Occidental, a 1,200 by 300 km northwest-trending mountain system featuring a long volcanic plateau within a broad anticlinal uplift. The region is dominated by large-volume rhyolitic ash flow tuffs related to Oligocene (35 to 27 Ma) calderas considered to be the Upper Volcanic Series. These volcanic rocks comprise calc-alkalic rhyolitic ignimbrites with subordinate andesite, dacite, and basalt with a cumulative thickness of up to a kilometer. The Upper Volcanic series unconformably overlies rocks of the slightly older Eocene (46 – 35 Ma) Lower Volcanic Series which predominantly comprises andesite with interlayered felsic ash flow tuffs.

Deposition of the Lower Volcanic Series was accompanied by the intrusion of hornblende-bearing quartz diorite and granodiorite batholiths and stocks. The Lower Volcanic Series hosts the majority of the epithermal and porphyry-related precious metals deposits in the Sierra Madre Occidental. Thin flows of basaltic to rhyodacitic composition of late Miocene and younger age cap many of the plateaus in the region.

The oldest structural episode is related to the Laramide orogeny which produced east-striking, steeply dipping strike-slip faults, generally with right-lateral sense of shear. Later transtensional tectonics resulted in the development of N-S normal faults and NNW-SSE trending subvertical faults with right-lateral strike-slip and normal sense of shear. Structures developed in the Cusi region are believed to have controlled emplacement of a series of north-northwest trending intrusions. Permeability associated with these and other faults and intrusive contacts formed conduits for hydrothermal fluids associated with mineralization.

7.2 Local Geology

As reported in Geomaps (2012), the geology of the Cusi region ranges from andesitic volcanism of late Mesozoic to Eocene age to the issuance of rhyolitic tuffs and ignimbrites of Oligocene-Miocene age.

The Oligocene Bufa Formation ignimbrite forms the dominant topographic feature in the Cusi area. Older andesites in the area are members of the Loma del Toro Formation, located mostly to the north and northeast of the mineralized Bufa Formation.

Mapping by CRM suggests that the property is hosted within a collapsed caldera (Geostat, 2008). The Cusi fault is a regional NW-trending fault that may have localized and then faulted the caldera. Within the caldera, adjacent to the Cusi fault, a rhyolite dome has been identified which hosts much of the mineralization in the district.

Hydrothermal mineralization at Cusi was episodic and accompanied by structural movement (Geostat, 2008). Galena, sphalerite, and chalcopyrite are the predominant sulfides commonly ranging from 5-10% with occasional massive sulfide zones.

Historical mining activity in the District exploited a series of planar veins that cut a lower andesitic volcanic unit and an upper rhyolitic unit. The veins occur in northwest and northeast-striking faults that appear to define an overall transtensional regime. All veins contain quartz with a variety of crustiform and banded textures typical of the epithermal environment. Most historical mining was shallow (<100m) and appears to have concentrated on supergene-enriched ores including Ag chlorides and native silver (Meinert, 2007).

7.3 Property Geology

Sierra Metals has undertaken on-site geologic mapping. Maps showing surface geology at 1:5,000 and 1:1,000 scales were produced by Geomaps S.A. de C.V. and reported in 2012. These maps are shown in Figures 7-1 through 7-3. A stratigraphic column is shown in Figure 7-4.

The property lies within a possible caldera that contains a prominent rhyolite body interpreted as a resurgent dome. The rhyolite dome trends northwest-southeast with an exposure of roughly 7 by 3 km and hosts mineralization. It is bounded (cut) on the east side by strands of the NW-trending Cusi fault and on the west by the Border fault. The Cusi fault has both normal and right-lateral strike-slip senses of shear. Strands of the Cusi fault are intersected by NE-trending faults, some of which indicate left-lateral strike-slip shear. NE-trending veins associated with these faults dip steeply either NW or SE. High-grade and wide alteration and mineralization zones exist in the areas of intersection of NW and NE structures.

The property tectonically formed during dextral transtension associated with oblique subduction of the Farallon plate beneath the North American plate. Strike-slip and normal faults related to this transtension controlled igneous and hydrothermal activity in the region. Regional NW-trending faults like Cusi are generally right-lateral strike-slip faults with a normal slip component. NE-trending faults are commonly left-lateral strike-slip faults which were antithetic Riedel shears in the overall dextral transtensional tectonic regime.

The Cusi fault is a regional fault that may have controlled the location of the caldera and resurgent dome. Continued movement on the Cusi and related faults cut and brecciated the caldera and dome rocks and provided conduits for mineralizing fluids.

Numerous mineralized veins on the property, typically moderately to steeply dipping to the southeast, southwest, and north, range from less than 0.5m to 2m thick, extend

100m to 200m along strike and up to 400m down-dip. There are at least seven major mineralized structures within the Cusi area, described below. Small open pits were typically developed at vein intersections. Mineralization mainly occurs in faults, epithermal veins, breccias, and fractures ranging from 1 to 10 meters thick.

Low-grade mineralized areas exist adjacent to major structures, showing intense fracturing and are commonly laced with quartz veinlets forming a stockwork mineralized halo around more discrete structures. The country rock in these zones is variably silicified. Pyrite and other sulfide minerals are disseminated in the silicified country rock and are also clustered in the quartz veinlets. A well-developed mineralized stockwork zone is in the Promontorio area, especially proximal to the Cusi fault.

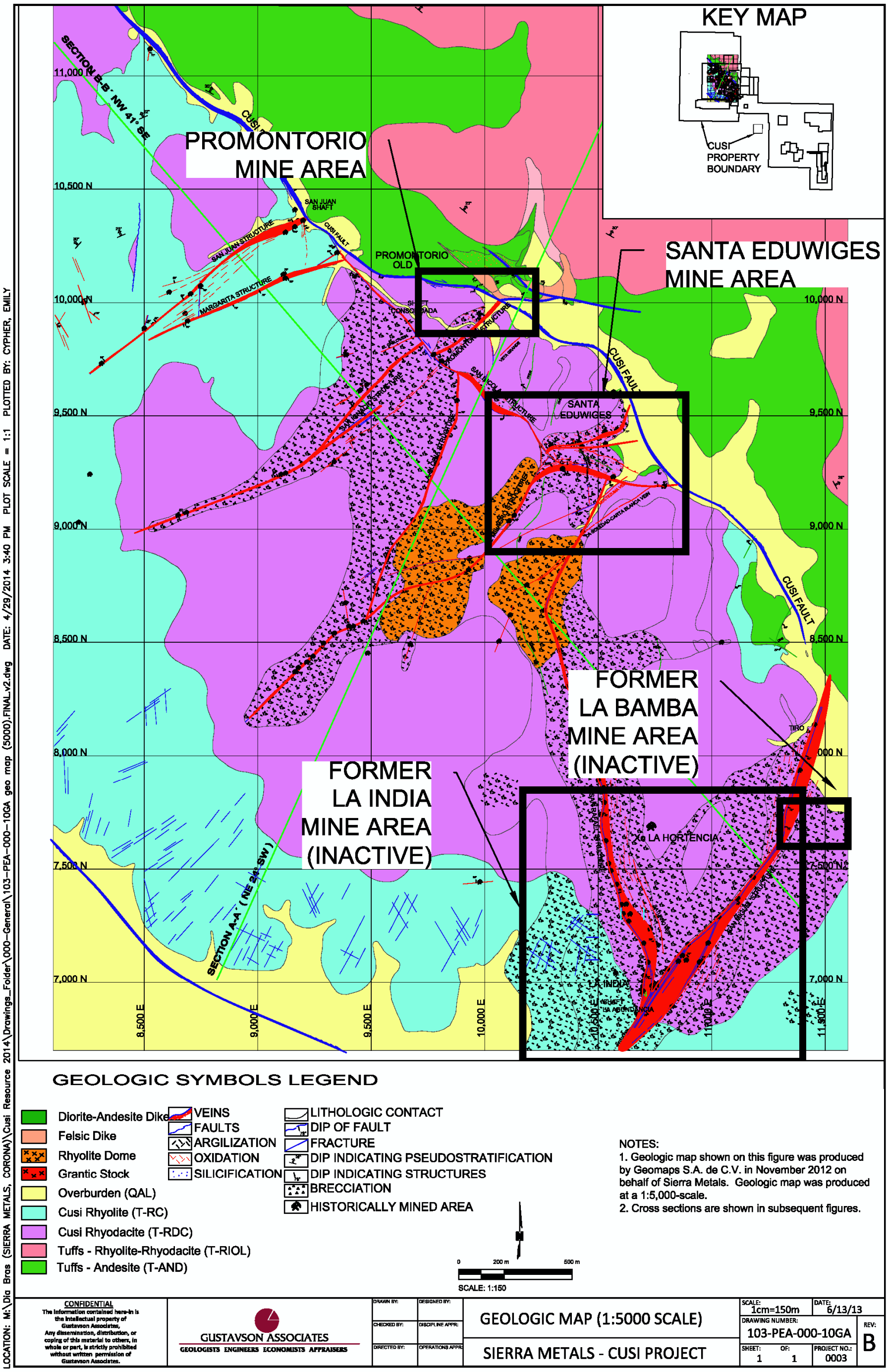


Figure 7-1 Geologic Map (1:5000-Scale)

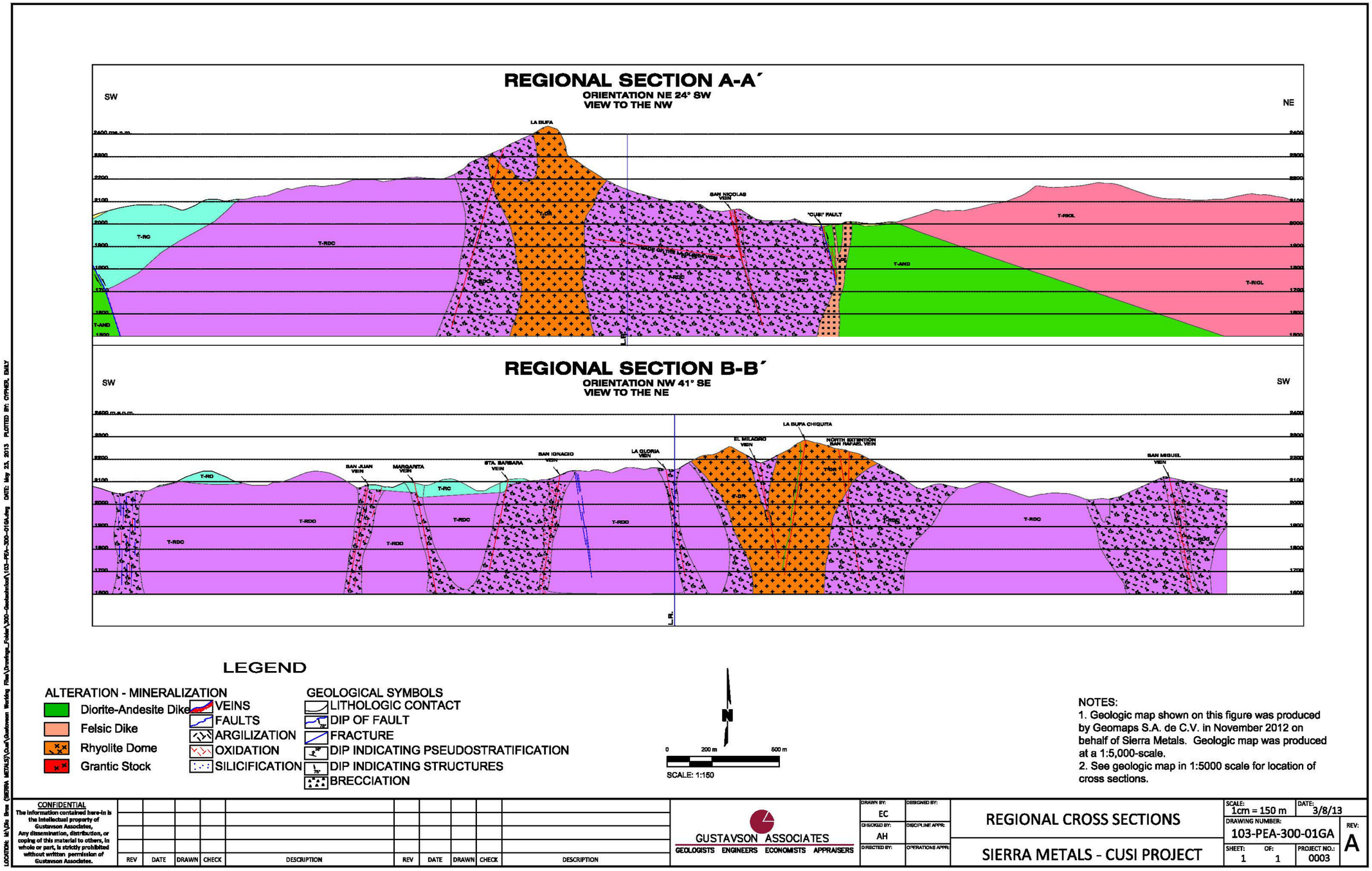


Figure 7-2 Regional Cross Sections

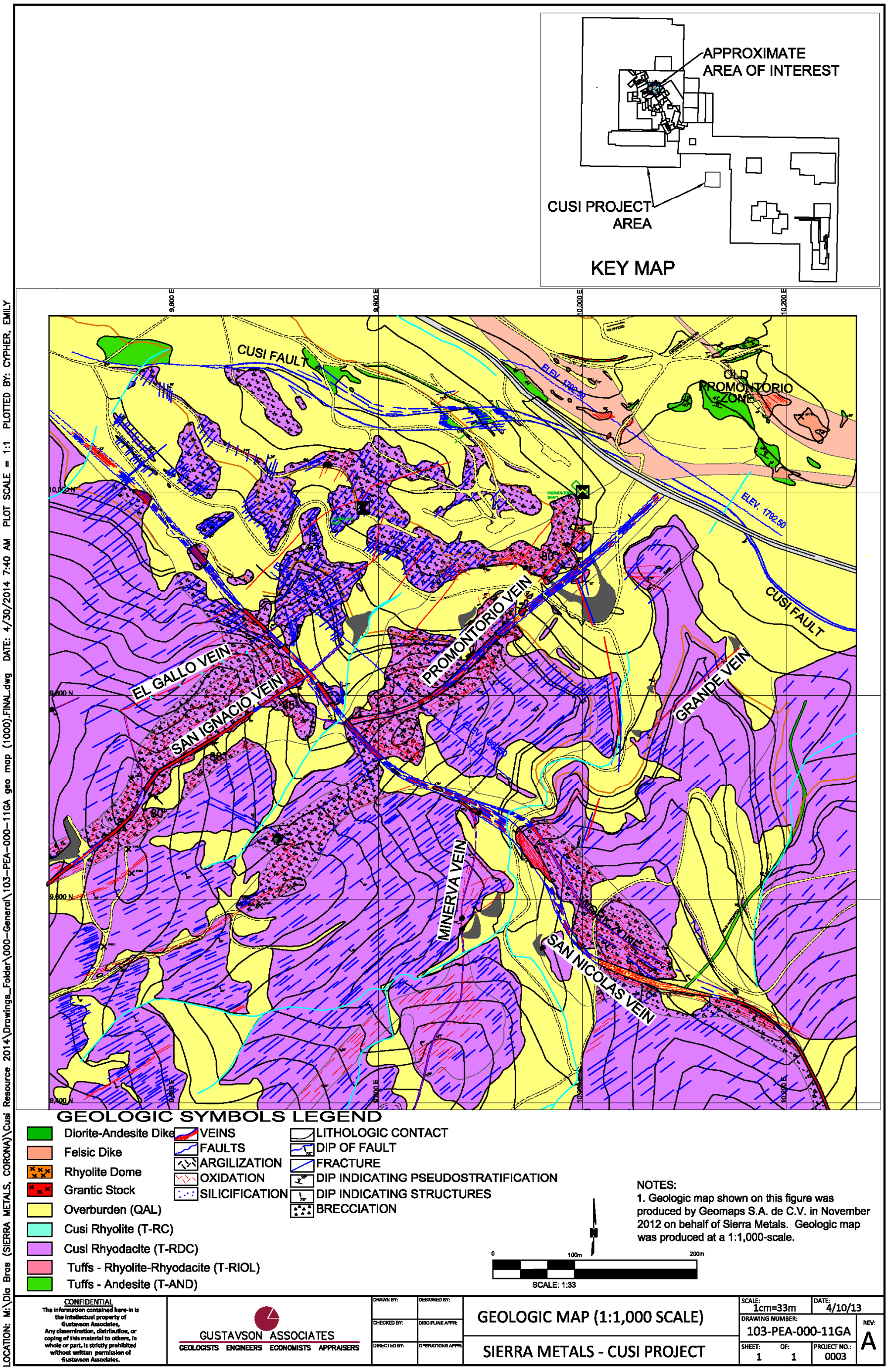


Figure 7-3 Geologic Map (1:1000 Scale)

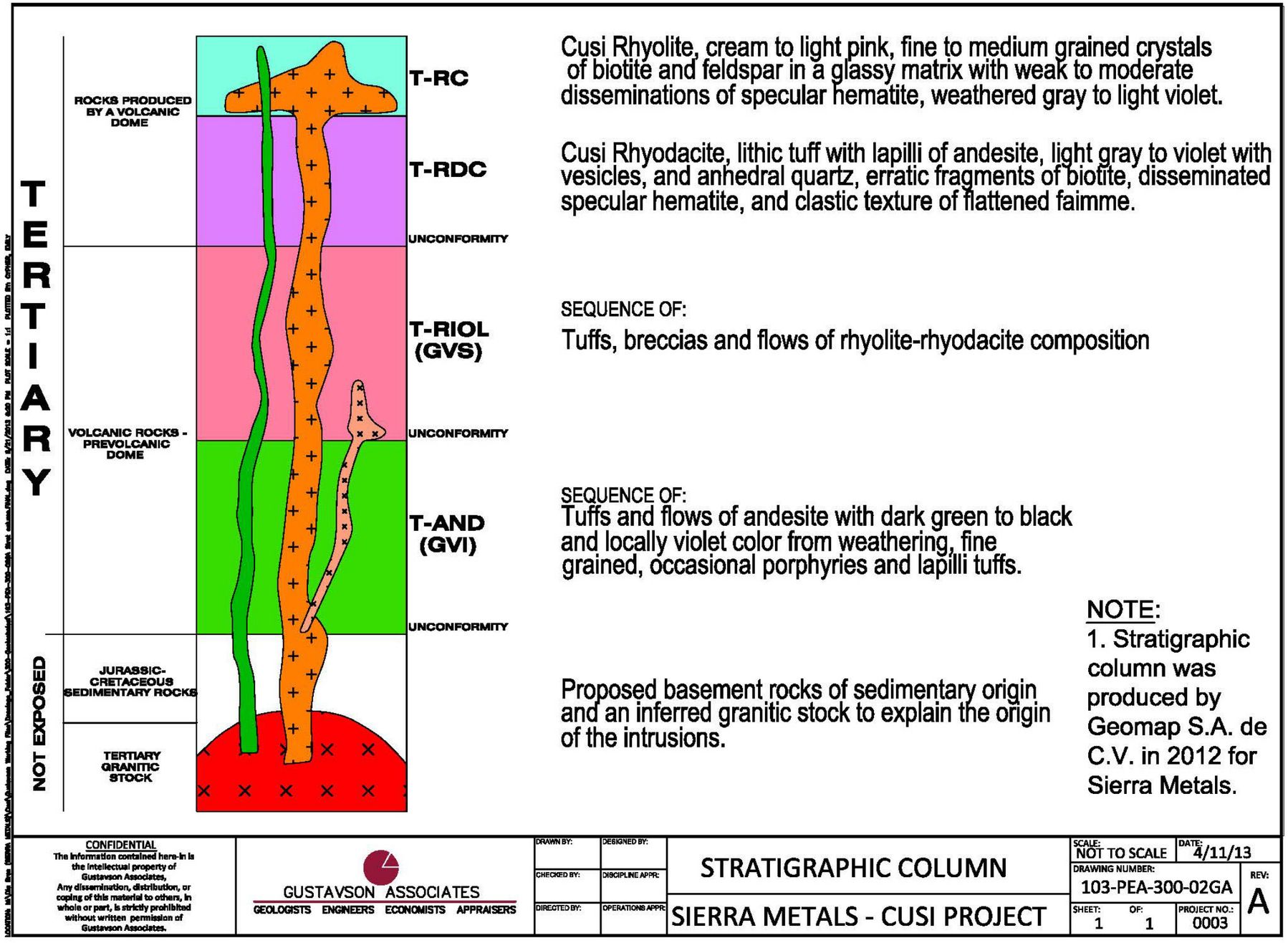


Figure 7-4 Stratigraphic Column

7.4 Significant Mineralized Zones

As shown in Figure 7-5, numerous mineralized faults and structures have been identified within the Cusi Project area. Seven areas have been selected for resource modeling, from north to south: San Juan, Promontorio, San Nicolas, La Gloria/Minerva, Santa Eduwiges, Milagro, and La India. These areas are shown in Figure 7-5. All areas are on the east side of the felsic dome, except La India, which is on the south side of the dome.

An unnamed splay of the Cusi fault, which has right-lateral sense of shear, is shown in Figure 7-5 running from San Juan to Santa Eduwiges and has the San Nicolas vein along it. This fault will be referred to as the San Nicolas fault in this report. It was instrumental in localizing mineralization, and commonly mineralized zones are developed where NE-trending left-lateral or normal faults intersect the NW-trending right-lateral San Nicolas fault. An exception is the San Nicolas area proper, where mineralization is related to a dilational jog in the San Nicolas fault.

Mineralization in the San Juan resource area was modeled from the intersection of the Cusi fault extending southwest along the San Juan structure for ~280 m. One main vein and two smaller splays were modeled. All three veins generally strike at 065° and dip at 75° to the northwest. Drillholes in this area are collared to the northwest of the structures and are generally drilled to the southeast, approximately perpendicular to the structures. The average true thickness calculated for the main vein is 1 m. The main vein is ~280 m modeled along strike and ~320 m modeled down dip. The second vein structure is ~280 m modeled along strike and ~180 m modeled down dip with an average true thickness of 0.9 m. The third vein structure has an average true thickness of 0.8 m and is ~220 m modeled along strike and 115 m modeled down dip. The surface expression of the San Juan structure is mapped for over 750 m southwest from its intersection with the Cusi fault.

The Promontorio resource area lies at the intersection of the Cusi fault with a series of NE-trending veins and it contains both vein- and disseminated-style mineralization. Vein mineralization occurs on many scales, from micro-veinlets to veins ~1-2 m wide seen in underground workings. Mineralization has only been observed in the footwall of the Cusi fault, and no known areas of mineralization exist above the fault. Therefore the Cusi fault was used as a hard boundary for modeling mineralization in this resource area. Utilizing knowledge from project geologists, drillhole logging, and surface and underground mapping, Gustavson modeled 10 structures/veins in the Promontorio area. These represent the largest and most understood structures in the area, but are not a complete model of the system. This area is very structurally complex and is influenced by at least the NE structural trend of the Promontorio vein and the NW trend of the Cusi

fault. The NE trending structures/veins generally dip 75-85° to the northwest (e.g. Promontorio vein) or to the southeast (e.g. veins antithetic to Promontorio). Numerous smaller veins occur antithetic to the Promontorio vein in the hanging wall. The Promontorio vein was modeled along strike for ~180 m and down dip for ~160 m. This structure is partially mined out, and an average thickness was difficult to obtain. Underground observations and modeling suggest an average true thickness of 1-1.5 m. In the Promontorio area, the Cusi fault dips 65-75° to the northeast and was modeled based on surface measurements and lithologic contacts.

The San Nicolas structure is sub-parallel to the Cusi Fault, and trends NW-SE across most of the Cusi Project. The structure is not mineralized along its entire strike; rather there are three main areas of mineralization considered in this study: 1) the intersection of the San Nicolas structure and the Promontorio area, 2) the central portion of San Nicolas where there are no intersecting structures but a dilational zone, and 3) the intersection of the San Nicolas structure and the Santa Eduwiges area. All of these zones were modeled using the northwest trend and northeast dip of San Nicolas obtained from surface measurements and drillhole logging. In the Promontorio zone, the San Nicolas structure dips 50° to the northeast with a strike of 337°. This zone is ~350 m along strike and ~360 m down dip. In the central zone, the strike continues at 337° but the dip shallows to 35°. The along-strike length is ~700 m and the down dip extent is ~250 m. At Santa Eduwiges, the San Nicolas structure begins to turn eastward, eventually meeting the Cusi Fault to the south. Here, the mineralized structure strikes 335° and dips 39° northeast. The strike length is ~320 m and the down dip extent is ~230 m. The average width of the mineralization is highly variable. One historic surface stope indicates width of ~10 m, though this is likely exceptional. Average width from drilling seems to be ~0.5-5 m.

Mineralization along the La Gloria/Minerva structure is defined by surface observation and sampling, drilling, and underground workings. The structure strikes almost due north where it intersects the San Nicolas structure (the Minerva portion). Here it dips ~75° to the west. South of this intersection (La Gloria structure) the structure trends north-northeast with a strike of 026° and a dip of ~85° southeast (there is a rollover in dip at the break in strike direction). The mineralization is defined for ~1000 m along strike by surface sampling. Drilling and underground sampling have encountered mineralization to depths of ~90 m. The apparent thickness of mineralization from drilling and underground sampling is ~1-1.5 m.

Mineralization at Santa Eduwiges occurs on sets of NE and NW-trending veins. Like Promontorio, Santa Eduwiges contains both vein- and disseminated-style mineralization. In some areas, veining is so intense that mineralization could be classified as quartz stockworks. Silicification and pyritization are common alterations.

Gustavson modeled 15 structures/veins in the Santa Eduwiges area using underground and surface mapping and project geologists' knowledge. The main trends are NE- and NW-striking structures, with the addition of several N-striking veins. The structural regime here is even more complicated than at Promontorio. One of the main structures, the San Bartolo vein, strikes for ~450 m at 052° and dips at 80° to the southeast for ~300 m. The average true thickness was estimated at ~1-3 m from underground observations and drillhole intercepts. Another major vein in the Santa Eduwiges area is the San Antonio vein. This vein was modeled at ~350 m along strike (071°) and ~250 m down dip (85° southeast). The average true thickness is estimated at ~0.75-1.5 m.

The Milagro structure lies directly southwest across the San Nicolas fault from the Santa Eduwiges area. It may be a continuation of the San Bartolo structure. In general, structures are much simpler on the southwest side of the San Nicolas structure. The Milagro structure is defined by mapping and drilling. Surface sampling has shown anomalous silver values for ~800 m, with another ~200 m of strike length defined from underground sampling. Surface and underground drilling also define mineralization along the structure. Mineralization has been encountered at depths of ~320 m below surface. The structure strikes at 035° and dips at ~62°. The Monaco zone is a high-grade, shoot-like area of mineralization within the Milagro structure. It is ~50 m wide, 30 m high, and has a true width of ~3-5 m.

In the La India area (Figure 7-5, inset), there are quartz stockwork veins and argillically altered and silicified disseminated wall rock zones which may host low-grade mineralization. As described in RPA (2006), "Mineralization at La India is related to the north trending San Rafael Fault. This vein extends more than 1 km along strike and at least 100 m in the vertical dimension. Limonitic and/or hematitic alteration is commonly associated with subsurface exposures of this vein." A second set of structures at La India are related to the northeast-trending Candelaria Fault. Gustavson focused on modeling the vein portions of La India, and no disseminated mineralization was accounted for in this resource estimation. Six structures were modeled at La India, based on surface mapping of vein outcrop, underground mapping and sampling of the vein locations, and drillholes. The western side of La India includes the main Durana vein modeled for ~580 m along strike and ~300 m down dip. This vein strikes at ~340° and dips 75° to the southwest. The average true thickness of this vein is 1.9 m. A second vein (West 1) lies between the Durana and Saturno veins and has an average true thickness of 1.9 m and strikes for ~410 m at 340°. It extends for ~300 m down dip. The Saturno vein has a somewhat concave-up shape and terminates against the second main vein. It is ~250 m along strike and ~125 m down dip. The average true thickness of the splay vein is also 1.9 m. The eastern side of La India is comprised of the main 20 de Noviembre vein, modeled for ~920 m along strike and ~320 m down dip. This vein strikes at ~041° and dips 78° to the southeast. The average true thickness is

~2 m. The second largest structure is the Candelaria vein, which strikes mainly 038° and dips at 85°, though towards the north it bends northward and joins with the 20 de Noviembre structure. This vein is ~720 m along strike and ~230-300 m down dip (depending on topography). The average thickness is ~1.5 m. The last structure in La India east lies between 20 de Noviembre and Candelaria, and is called East 1. This vein is ~450 m along strike and ~285 m down dip, with an average thickness of 0.5-1 m.

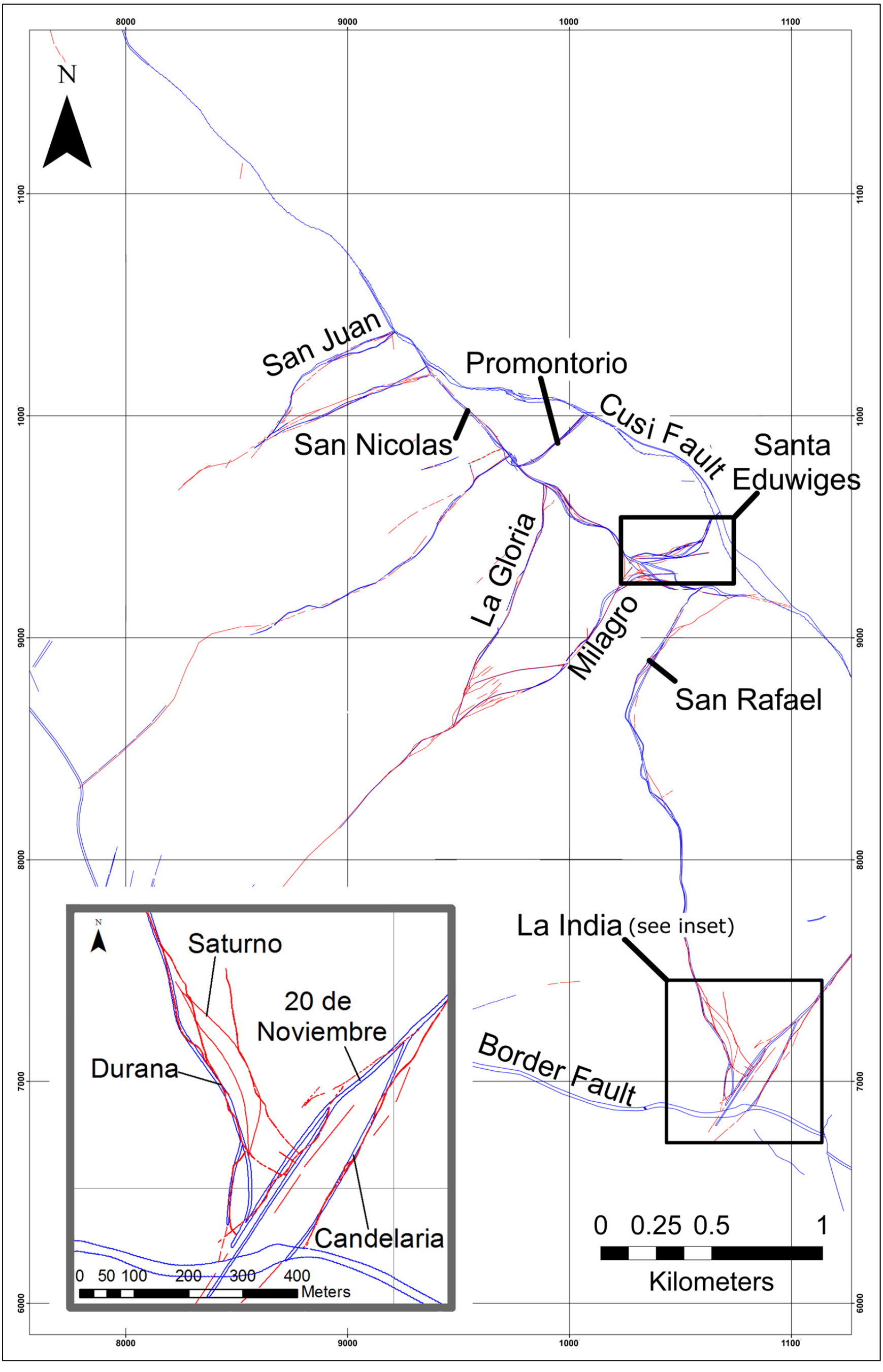


Figure 7-5 Mineralized Zones for Resource Modeling

8 Deposit Types (Item 8)

8.1 Mineral Deposit

The deposits are epithermal vein systems related to felsic volcanism and intrusion in a resurgent caldera. The presence of calcite in the veins suggests they are low sulfidation. The veins are zoned with silver sulfides such as acanthite observed higher in the section and base metal sulfides with argentiferous galena common in the lower portions.

From previous geologic studies:

- *Cusi Epithermal Ag-Au District, Chihuahua, Mexico*. Prepared by Eric R. Braun for Dia Bras Exploration dated November 26, 2006.
    - The veins fill nearly vertical, ENE, NNW faults and lesser NNE and NE structures that cut welded tuff (ignimbrite) of Tertiary age. The ignimbrite is overlain by andesite volcanic rock along an irregular contact that has an approximately N-S local trend that forms the eastern limit of the vein district. The veins have been developed by adits and stopes that often breach to the surface and small open pits where the ore widens along intersecting veins and vein inflections.
    - The veins widen at vein intersections and vein flexures, with widths that can be exploited by small pits from surface and large stopes below. The presently active La Bamba pit occurs at a vein flexure and vein intersection.
- *Geology and Geochemistry of Mineralized Zones*. Prepared by Andre P. Ciesielski for Dia Bras Exploration Inc. dated December 2007.
    - The Cusi property is located in the Chihuahua tectono-stratigraphic terrain close to the limit with the Sierra Madre Occidental, astride welded tuff, andesite and felsic tuff succession. In the Cusi area, Ag-Pb-Zn mineralization are found in narrow altered faulted zones all located in the Bufa felsic tuff formation at least 600 m thick and covering 17.5 km2. The Bufa Fm shows east northeast, north and northwest faults and fracturing and a network of northeast, north northwest and northwest-trending mineralized and altered zones associated with quartz veining and brecciation. Ag-Pb-Zn (+ Cu & Au) mineralization are restricted to Bufa felsic tuff massif and related to altered and fractured sub-vertical zones carrying quartz and manganese veining and fits the low sulfidation epithermal-deposit model. It is mostly composed of sphalerite, galena, and minor chalcopyrite. Silver is free into manganese oxides or in galena
- *Observations on the Cusihuiriachic District*. Prepared by Lawrence D. Meinert of Smith College for Dia Bras Exploration Inc. dated July 6, 2006.

  - Intrusion-centered hydrothermal systems are zoned from a core of disseminated stockwork mineralization and/or skarn (with appropriate wall rocks) outward to base metal veins to precious metal veins. The near-surface exposures at Cusihuiriachic are clearly intermediate between a purely precious metal prospect and a base metal prospect. Although the near-surface supergene weathering accounts for some of the high grades mined historically, the observed mineralogy of acanthite, stromeyerite, and other sulfosalt minerals is a clear indicator that current mining is exploiting the upper part of a major system. A purely epithermal system would not have the abundance of sphalerite and galena observed at Cusihuiriachic.

- *Mineralogy, Assay, and Fluid Inclusion Characteristics of Quartz-Sulfide Veins of the Cusihuiriachic District, Chihuahua, Mexico*. Prepared by Lawrence D. Meinert for Dia Bras Exploration, Inc., dated January 17, 2007.
  - The sulfide mineralogy of the Cusihuiriachic veins is relatively simple with major sphalerite and galena, with minor pyrite and locally chalcopyrite (mainly as inclusions in sphalerite). Although looked for, no discrete Ag minerals were found by petrographic, XRD, or SEM analysis. Ag assays ranged from 104-474 g/t, for hand selected high-grade samples. This is low for mines that supposedly produced grades of 100s to 1000s of oz/t Ag. It is hypothesized that most of the very high grade material was due to supergene enrichment and some of this material still exists in the shallow workings, such as at La India. The Fe content of sphalerite and fluid inclusion homogenization temperatures point to a relatively low temperature environment of ore formation, with median homogenization temperatures for Mexicana quartz of 230°C and San Antonio sphalerite of 220°C.

- *Mineralogy of High Grade Ag Zones in the Cusihuiriachic District*. Prepared by Lawrence D. Meinert for Dia Bras Exploration, Inc., dated April 13, 2007.
  - At Cusihuiriachic high grade Ag zones are not always associated with easily identifiable minerals or alteration features and a previous study (January 17, 2007) found significantly lower Ag grades than had been reported. To further explore this relationship, one sample each of four different types of high grade Ag mineralization at Cusihuiriachic was analyzed to determine grade and mineralogy. Again, all assays (403, 743, 1935, and 5150 g/t Ag) are lower than those previously reported for these zones (1,000-35,000 g/t Ag). Ag mineralization correlates strongly with high Pb, Zn, and Cu assays, either as sulfide (galena, sphalerite±chalcopyrite) or as oxide/carbonate (cerrusite and malachite). The two highest Ag samples contain microscopic grains of acanthite (Ag_2S). All mineral phases have been verified by a combination of petrography, X-ray diffraction, and electron microprobe analysis.

Table 8-1 Grade for Selected Metals as Reported in Meinert (2007)

Sample Name	Meinert-1	Meinert-2	Meinert-3	La India
Source of Sample	**Sta Eduwiges Mine, Tascate Vein**	**Vein from Sta Eduwiges Mine**	**Vein from Sta Eduwiges Mine**	**La India drill core**
Ag (g/t)	427	1,935	818	5,150
Au (g/t)	0.18	0.06	<0.05	4.18
Pb (%)	3.1	11.55	1.3	3.5
Zn (%)	4.8	13.8	0.2	0.1

8.2 Geological Model

The Cusi geologic model is a resurgent caldera intersected by regional and local fault systems. The Cusi fault is a regional NW-trending right-lateral strike-slip fault along which magma intruded. At Cusi, a magma chamber developed and erupted producing the collapsed caldera and Upper Volcanic Series felsic tuffs. A resurgent rhyolite lava dome arose within the caldera on the west side of the Cusi fault. The dome was cut by numerous northeast trending left-lateral faults which host mineralized veins. Stockwork zones associated with major structures show intense fracturing and are commonly laced with quartz veinlets forming a stockwork-mineralized halo around the larger veins.

The Cusi area formed tectonically during dextral transtension associated with Tertiary-aged oblique subduction of the Farallon plate beneath the North American plate. Strike-slip and normal faults related to this transtension controlled igneous and hydrothermal activity in the region. Regional NW-trending faults like Cusi are generally right-lateral strike-slip faults with a normal slip component. NE-trending faults are commonly left-lateral strike-slip faults which would have been antithetic Riedel shears in the overall dextral transtensional tectonic regime.

Gustavson produced a digital three dimensional structural model for each resource area, incorporating lithologies from drill logs and projecting structures based on surface and underground structural measurements.

9 Exploration (Item 9)

9.1 Geologic Studies

Sierra Metals has commissioned several geologic studies culminating in reports summarizing their findings. The reports are listed in this section, but substantive findings of these reports have been incorporated into Sections 7 and 8.

- *Cusi Epithermal Ag-Au District, Chihuahua, Mexico*. Prepared by Eric R. Braun for Dia Bras Exploration dated November 26, 2006.
- *Geology and Geochemistry of Mineralized Zones*. Prepared by Andre P. Ciesielski for Sierra Metals Exploration Inc. dated December 2007.
- *Observations on the Cusihuiriachic District*. Prepared by Lawrence D. Meinert of Smith College for Sierra Metals Exploration Inc. dated July 6, 2006.
- *Mineralogy, Assay, and Fluid Inclusion Characteristics of Quartz-Sulfide Veins of the Cusihuiriachic District, Chihuahua, Mexico*. Prepared by Lawrence D. Meinert for Dia Bras Exploration, Inc., dated January 17, 2007.
- *Mineralogy of High Grade Ag Zones in the Cusihuiriachic District*. Prepared by Lawrence D. Meinert for Dia Bras Exploration, Inc., dated April 13, 2007.

9.2 Geologic Mapping

On behalf of Sierra Metals, Geomaps S.A. de C.V. has prepared geologic maps showing surface lithology at 1:5,000 scale and 1:1,000 scale (as shown in Figures 7-1 and Figure 7-3), two regional cross sections through the Cusi Project area (as shown on Figure 7-2), and a stratigraphic column (as shown in Figure 7-4). Geomaps' surface lithology maps also contained structural measurements of faults and veins.

9.3 Surface Sampling

On behalf of Sierra Metals, Geomaps conducted surface rock sampling in the Promontorio area in an effort to identify the presence of disseminated mineralization. From November to December 2012, Sierra Metals collected 571 samples from rock outcrops in an area of approximately 0.1 square kilometer (650 meter by 200 meter). Samples were collected in lines perpendicular to main structure and faults where quartz vein and fractures with oxidation were identified. Samples were assayed for gold, silver, lead, manganese, and zinc at Sierra Metal's internal laboratory in the Malpaso Mill. Sierra Metals reviewed these data and found silver grades ranged from non-detect (less than 20 grams per tonne) to 351 grams per tonne. From these results, Sierra Metals concluded that disseminated mineralization near the surface within the Promontorio Viejo-San Ignacio- and San Nicolas zone are restricted to the intersections of main structures.

Geomaps continued to conduct surface sample work in 2013. Sampling has now been performed over the entire project area, totaling over 2300 samples. Surface sample data for La Gloria / Minerva, and Monaco / Milagro areas only were used for this resource estimate. This set includes 116 surface channels at La Gloria/Minerva, and 67 surface channels at Milagro/Monaco.

9.4 Sample Mine Workings

Numerous mine workings are present at the Cusi Project area. Sierra Metals has conducted exploration within the mine workings, as described in this section.

9.4.1 Promontorio

Promontorio is an underground mine.

As of the effective date of this report, Sierra Metals has provided Gustavson with full assay data for silver, lead, zinc, manganese and iron, and partial assays for gold from 597 samples collected in the Promontorio mine workings. All of these samples were analyzed at Sierra Metals' internal laboratory in the Malpaso Mill.

Table 9-1 Summary Statistics of Promontorio Mine Samples

Mine	No. Mine Samples	Average Grades		
		Silver (g/t)	Pb (%)	Zn (%)
Promontorio	597	262	0.28	0.27

9.4.2 Santa Eduwiges

Santa Eduwiges is an underground mine.

As of the effective date of this report, Sierra Metals has provided Gustavson with full assay data for silver, lead, zinc, manganese and iron, and partial assays for gold from 1381 samples collected in the Santa Eduwiges mine workings. All of these samples were analyzed at Sierra Metals' internal Malpaso laboratory. (There are fewer samples reported for this zone than were reported in the 2013 report as a portion of the sampling is now grouped with Milagro)

Table 9-2 Summary Statistics of Santa Eduwiges Mine Samples

Mine	No. Mine Samples	Average Grades		
		Silver (g/t)	Pb (%)	Zn (%)
Santa Eduwiges	1380	399	1.30	1.09

9.4.3 San Nicolas

Though there are historic workings within the San Nicolas vein, no modern mine samples have been provided to Gustavson.

9.4.4 La India

La India is an underground mine.

As of the effective date of this report, Sierra Metals has provided Gustavson with full assay data for silver, lead, zinc, manganese and iron, and partial assays for gold from 1208 samples collected in the La India mine workings (all sample are from the La India East zone). All of these samples were analyzed at Sierra Metals' internal Malpaso laboratory.

Table 9-3 Summary Statistics of La India Mine Samples

Mine	No. Mine Samples	Average Grades		
		Silver (g/t)	Pb (%)	Zn (%)
La India	1187	53.8	0.06	0.15

9.4.5 La Gloria/Minerva

La Gloria is currently serviced by a modern exploration adit. Minerva consists of historic workings that have been recently sampled.

As of the effective date of this report, Sierra Metals has provided Gustavson with full assay data for silver, lead, zinc, manganese and iron, and partial assays for gold from 450 samples collected in the La Gloria and Minerva mine workings (all sample are from the La India East zone). All of these samples were analyzed at Sierra Metals' internal Malpaso laboratory.

Table 9-4 Summary Statistics of La Gloria / Minerva Mine Samples

Mine	No. Mine Samples	Average Grades		
		Silver (g/t)	Pb (%)	Zn (%)
La Gloria/Minerva	450	77.6	0.07	0.04

9.4.6 Milagro

Milagro and the Monaco chute are part of the Santa Eduwiges system of underground workings.

As of the effective date of this report, Sierra Metals has provided Gustavson with full assay data for silver, lead, zinc, manganese and iron, and partial assays for gold from 588 samples collected in the Milagro mine workings. All of these samples were analyzed at Sierra Metals' internal Malpaso laboratory.

Table 9-5 Summary Statistics of Santa Eduwiges Mine Samples

Mine	No. Mine Samples	Average Grades		
		Silver (g/t)	Pb (%)	Zn (%)
Milagro (incl. Monaco)	588	177	0.79	1.28

9.4.7 San Juan

Though there are historic workings within the San Juan vein, no modern mine samples have been provided to Gustavson.

10 Drilling (Item 10)

10.1 Scope of Drilling

All drilling data reviewed by Gustavson have been completed by Sierra Metals since 2006 through December 31, 2013. A complete list of drillhole locations, dip, and azimuth, as reported to Gustavson, is provided in Appendix B. Number of drilled holes and length of drilling as reported in the drillhole database are shown in Table 10-1. Drillholes are organized by the zones to be modeled. Drillhole locations are shown in Figure 10-1.

Drilling locations are intended to target known mineralized veins or zones. As shown in Table 10-1, drillholes for selected veins were not used for resource estimate as the drillhole data are not sufficient, including Altac and San Ignacio. For the La Bamba and San Miguel veins, while data are sufficient to support a model, they are located outside of the area where Sierra Metals holds mineral concessions, as shown in Figure 4-2.

Table 10-1 Summary of Drillholes in Database

Model Zone	Drilling Target Zone / Vein	Years Drilled	No. Drillholes	Drillhole Length (m)
Modeled Zones				
San Juan	San Juan	2010, 2011	43	7,573
Promontorio	Promontorio, El Gallo, Promontorio Viejo, Cuerpo Oriente, Azucarera	2007 - 2013	300	58,886
Santa Eduwiges	Carta Blanca, La Mexicana, San Antonio, San Bartolo, Santa Eduwiges, Santa Marina, Santa Rose, Tascates, Monaco, Milagro	2006 - 2013	345	51,930
La India	La India	2006, 2011 - 2013	45	11,507
Minerva / La Gloria	Minerva / La Gloria	2008, 2010, 2013	23	3,953
San Nicolas	San Nicolas	2006, 2007, 2011, 2013	32	8,625
Target Zones and Veins Not Modeled	Altac	2006	3	378
	La Bamba	2006, 2007	31	4,211
	San Ignacio	2012, 2013	5	1,743
	San Miguel	2006, 2013	12	2,555
Total			**839**	**151,361**

For the Promontorio and Santa Eduwiges mine areas, Sierra Metals completed drillholes both from surface as well as from within the underground workings. Underground drilling from the mine workings occurred in the Promontorio and Santa Eduwiges areas only.

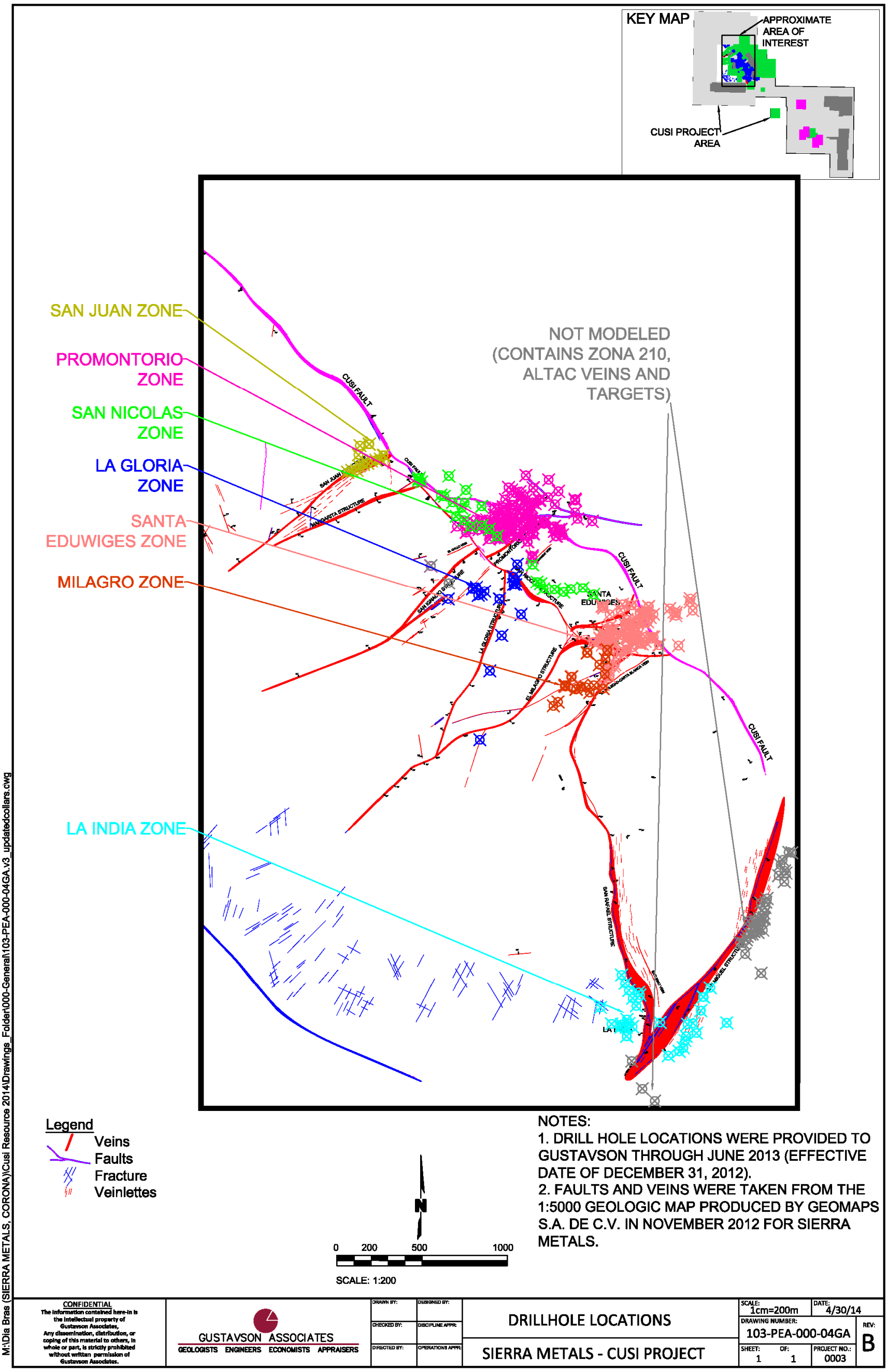


Figure 10-1 Sierra Metals Drillhole Map

10.2 Drilling Methods

A combination of diamond drilling methods utilizing BQ (core diameter of 36.5 mm), NQ (core diameter of 47.6 mm), and HQ (core diameter of 63.5 mm) bit size were employed for exploratory drilling, as shown in Table 10-2.

Table 10-2 Drilling Methods

Drilling Method	No. Drillholes	Drill Length (m)
HQ	145	33,244
HQ-NQ	386	76,205
HQ-BQ	1	406
NQ	99	22,065
NQ-BQ	6	521
BQ	202	18,921
Grand Total	**839**	**151,361**

As shown in Table 10-2, some holes were drilled using a combination of drilling methods. As reported by Sierra Metals, for those locations with more than one method, the larger core size was utilized first, and if refusal was encountered, a smaller core diameter was used.

10.2.1 Drilling Recovery

Recovered drill length was provided to Gustavson as part of the drillhole database. The drillhole database reported recovered lengths for 835 drillholes.

Available drillhole recovery data are shown in histogram format in Figure 10-2. During the 2012 and 2013 site visits, Gustavson noted that retained drill core appeared competent and confirmed high recoveries. Overall, Gustavson concludes that drilling recoveries are acceptable.

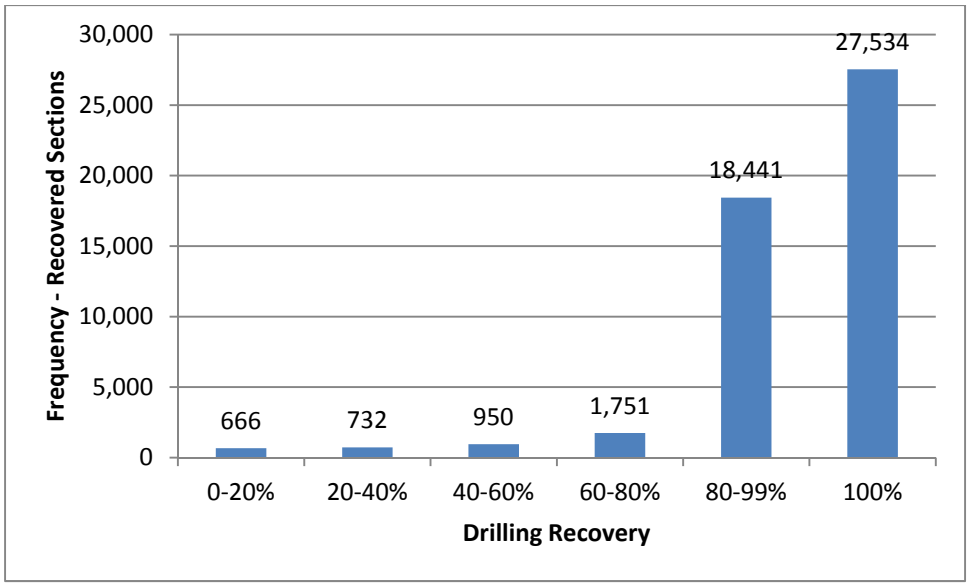


Figure 10-2 Histogram Showing Drillhole Recovery

10.3 Lithologic Logging

Sierra Metals' drill core observations are recorded in the drillhole database. Drill core observations as reported in the drillhole database consisted of:

- Borehole name
- Start and finish date of drilling, drilling contractor, and drilling method
- Total depth of drillhole
- Mineralized zone target
- Collar (results reported in local coordinates) and survey results
- Lithology, mineralization and alteration
- Drilling recovery and rock quality designation

According to Sierra Metals geologists, the Cusi Fault is geologically characterized by an andesite hanging wall and rhyodacite footwall. In certain areas there is also felsic intrusive intruding the fault zone. Gustavson notes that the lithologic logs for those drillholes expected to go through the Cusi Fault are not consistently logged as andesite and rhyodacite. Gustavson also notes inconsistencies in logged lithology. **Gustavson recommends that Sierra Metals re-log the lithology, especially those drillholes that went through the Cusi Fault to indicate the depth of the andesite-rhyodacite contact. Gustavson recommends that Sierra Metals use a consistent logging convention for all drillholes moving forward.** For modeling purposes, Gustavson

utilized the surface expressions of fault and structures as mapped by Geomaps (see Section 7), with additional orientation data provided by Sierra Metals (see Section 7.4).

10.4 Sample Procedure

Sierra Metals hydraulically split recovered drill cores from 2006 through 2012, and utilized a diamond core saw in 2013. From 2006 to 2012, Sierra Metals typically assayed only those intervals where mineralization was visually identified in the drill core. Gustavson prepared a histogram that shows percent of drillhole that was assayed (by length), which is shown in Figure 10-3. In 2013, procedures were updated so that the entire down hole length of drillholes are assayed.

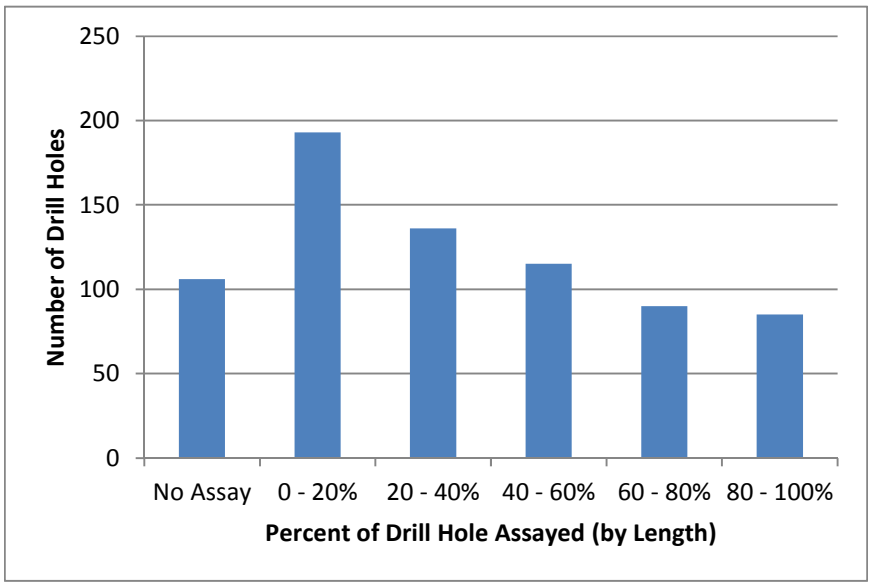


Figure 10-3 Histogram Showing Assayed Intervals (2006-2012)

Gustavson notes that prior to 2013, sample intervals were selected based on visual examination and interpretation of mineralization. Generally, no samples were analyzed beyond the limits of visual mineralization, which means that potential low-grade areas may have been undersampled. In order to eliminate the possibility of overextending high-grade areas due to lack of contrary data, all unsampled intervals were assigned a value of zero. Therefore, underestimation is more likely than overestimation for these areas. **Gustavson recommends that, for drillholes in areas of particular interest, additional samples be analyzed where there is potential for additional data to improve understanding of geometry of mineralization.**

A histogram of sample lengths in drill assay data available through the Effective Date of the report is shown in Figure 10-4.

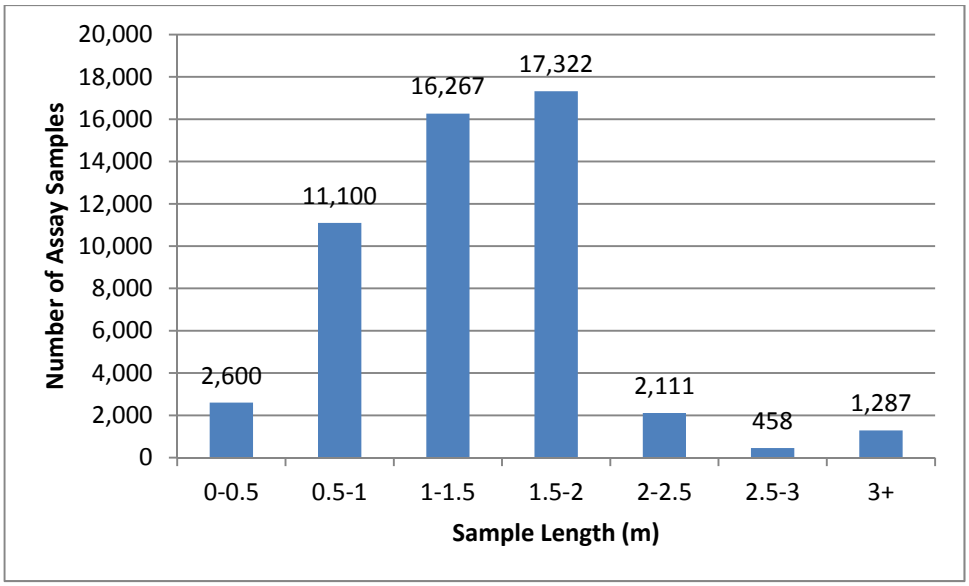


Figure 10-4 Histogram Showing Sample Lengths

10.5 Interpretation and Relevant Results

All core assays within the resource areas were incorporated into the indicator shell and vein models discussed elsewhere in this report. Holes were omitted from the database if they were in areas not estimated, or if the hole was lost and re-collared (5 cases, detailed in section 12-1). Holes without assays are treated as below detection limit for the length of the hole. Unassayed portions of drillholes are treated as below detection limit for the unassayed interval. Geologic descriptions and sample recovery were sufficient to describe the sampled rocks, and Sierra Metals' QA/QC program confirms that the assays are representative of the samples collected. Gustavson considers the drilling results obtained by Sierra Metals and reviewed by Gustavson to be adequate for use in geologic modeling and resource estimation.

The most significant data gaps in drilling data consist of:

- Significant vein intercepts and key lithology contacts (i.e., andesite / rhyodacite contact to identify the boundary of the Cusi fault) are not well identified in the lithology logs.
- Given the overall assayed interval of 38% for 2006 through 2012, Gustavson has made a conservative estimate of assuming the non-assayed intervals are barren.
    - Mineralization for the La Gloria, Milagro, San Juan and La India zones is expected to occur in discrete veins without a disseminated zone. For the conceptual understanding of the mineralization, the assumption of barren

rock in those non-assayed intervals is not expected to significantly affect the resource estimate.

- Assumption of barren mineralization for all unsampled intervals is expected to under-estimate the amount of metal in the Promontorio and Santa Eduwiges areas, as mineralization in these areas occurs within a stockwork vein network. Histograms showing mineralization for Promontorio and Santa Eduwiges are shown in Figures 10-5 and 10-6, respectively. Increased assay data in the Promontorio and Santa Eduwiges would provide greater confidence that all mineralized areas are represented in the model.

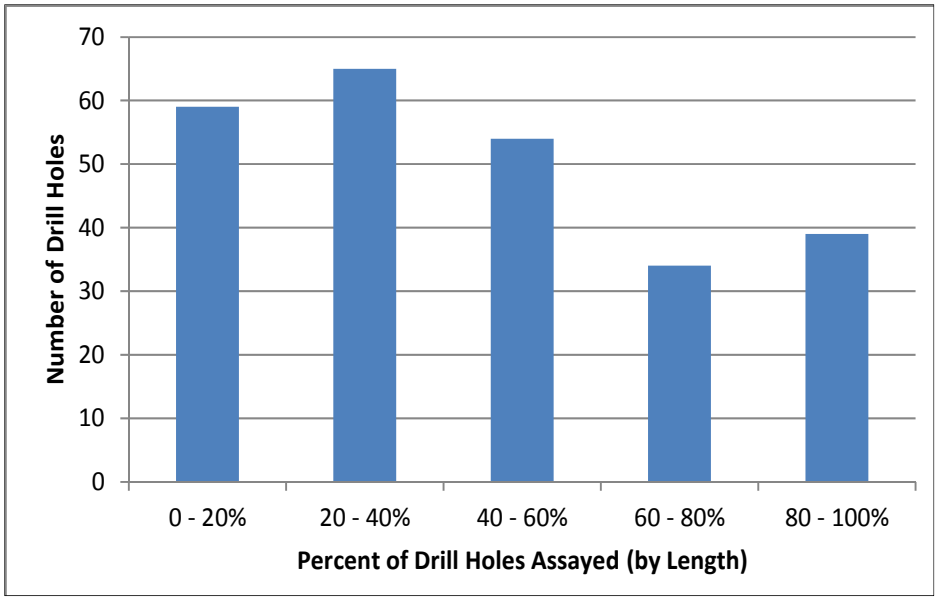


Figure 10-5 Histogram Showing Assayed Intervals (Promontorio)

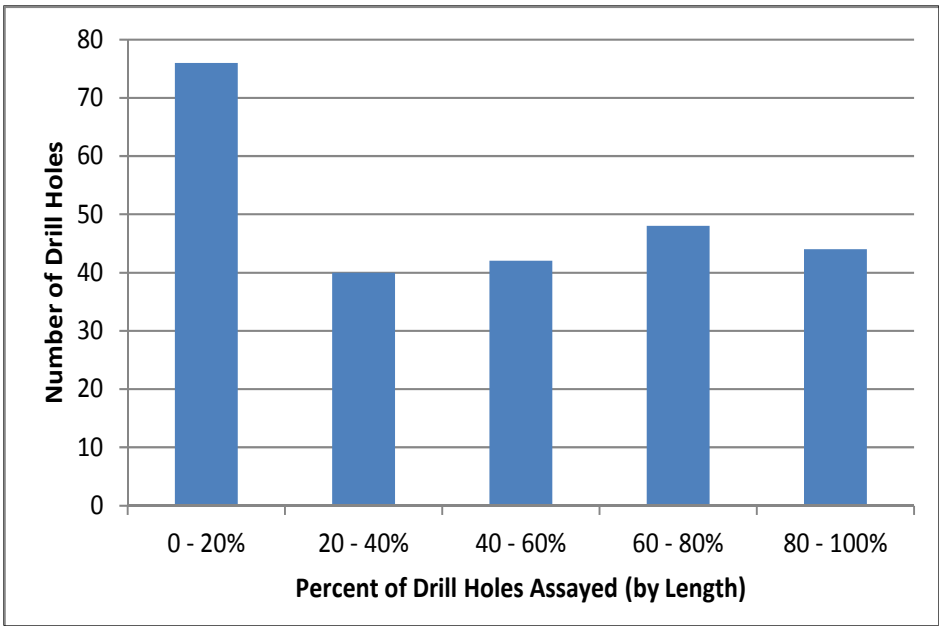


Figure 10-6 Histogram Showing Assayed Intervals (Santa Eduwiges)

11 Sample Preparation, Analysis and Security (Item 11)

11.1 Core Storage

Sierra Metals stores recovered drill core in boxes onsite. One half of the drill core is retained onsite in a secured core shed. A new core storage facility was constructed on site in 2012 and visited during the Gustavson site visit in 2013. Recent core boxes are in good condition, well-organized, and easy to retrieve. Some of the older core boxes are in relatively poor condition, with labels obscured, and some are stored in a less organized manner.

11.2 Sample Preparation

For those intervals selected for assay, Sierra Metals split the retained core by hydraulic splitter prior to 2012, and diamond saw beginning in 2013. Sierra Metals assigned a sample number to each interval and grouped those samples from one drillhole together into one batch for assay.

11.3 Sample Analysis

Drill core samples were assayed in two places: ALS Minerals in Vancouver, British Columbia, Canada (ALS) and in Sierra Metals' internal laboratory in the Malpaso Mill. Approximately 77% of drill core samples were assayed at ALS, and the remaining 23% were assayed at Malpaso. All underground and surface channel samples were assayed at Malpaso.

11.3.1 Sample Analysis - ALS

The ALS laboratory in Vancouver holds a Certificate of Accreditation from the Standards Council of Canada and conforms to the International Organization for Standardization and International Electrotechnical Commission 17025:2005 requirements. ALS is an independent laboratory and is not affiliated with Sierra Metals.

Drill core samples from 2006 through 2013 were prepared at the ALS prep lab in Chihuahua, Mexico and assayed at ALS in Vancouver, BC, Canada. Upon receipt of samples, ALS dries the samples, records the received sample weight, and processed the samples as follows:

- Core is crushed to 70% passing rate of 2 millimeters.
- A 150 gram split is taken for pulp preparation
- The split sample is pulverized to a pulp at 85% passing rate at 75 micrometers.

Several analytical techniques are employed for different generations of data.

Primary Analysis:

- The pulverized samples are digested by aqua regia, followed by analysis for three metals (silver, lead, and zinc, collectively identified as "Limited Metals") by inductively coupled plasma atomic emission spectroscopy (ICP-AES) under Method ICP41.
- A large portion of samples were analyzed for the entire suite of 35 metals by ICP-AES.
- A large portion of samples were also analyzed for gold by fire assay and atomic absorption (AA).

Overlimit Analysis:

- Detections of silver, lead, and zinc that exceed the reporting limit of ICP41 are reanalyzed by an ore grade (OG) ICP-AES method, AA, or fire assay gravimetric methods, as summarized in Table 11-1.

Table 11-1 Analytical Methods and Reporting Limits for ALS

Metal	First Method		Over-Limit Methods	
	Analytical Method	Reporting Limit (g/t)	Analytical Method	Reporting Limit (g/t)
Gold	AA23	0.005 – 10	None applicable	
Silver	ICP41	0.2 - 100	AA46 GRA21 OG46	1 – 1,500 5 – 10,000 1 – 1,500
Lead	ICP41	2 – 1,000	AA46 OG46	10 – 200,000 10 – 200,000
Zinc	ICP41	2 – 1,000	AA46	10 – 600,000

11.3.2 Quality Assurance and Quality Control Samples for ALS

For assay data from its drilling programs from 2006 through 2012, Sierra Metals provided the following blanks, standards, and duplicate assay data for those samples that were assayed by ALS:

- Data for 208 duplicate samples from 2008;
- Data for 173 blank samples from 2012; and
- Data for 144 standard samples from 2012.

Gustavson notes that QA/QC data gaps exist for certain years of drilling and assaying. Specifically, no data for blanks and standards from 2006 to 2011, and no duplicates from 2006, 2007, and 2008 through 2012 were provided to Gustavson for review. **To address the lack of QA/QC data from Sierra Metals' past drilling samples, Gustavson recommends that Sierra Metals consider submitting 5-10% of retained drill core for re-assay and include blanks and standards.**

For the 2008 duplicate samples, Sierra Metals provided the results of the duplicate sample, but was not able to provide information on the corresponding original sample, so evaluation of precision was impossible. **Gustavson recommends that, going forward, Sierra Metals log all original samples that correspond with the duplicate sample.**

The 173 blank samples were prepared internally by Sierra Metals. Sierra Metals pulverized andesite presumed to be unmineralized. Gustavson used an acceptance criterion of less than or equal to 5-times the ALS reporting limit for gold, silver, lead, and zinc. The assay results of the blank samples are shown in Figure 11-1 through Figure 11-4. For gold, 97% of the blank assays complied with the acceptance criteria. For silver and lead, 67% and 68%, respectively, of the blank assays complied with the acceptance criteria. For zinc, all blank assays exceeded the acceptance criteria.

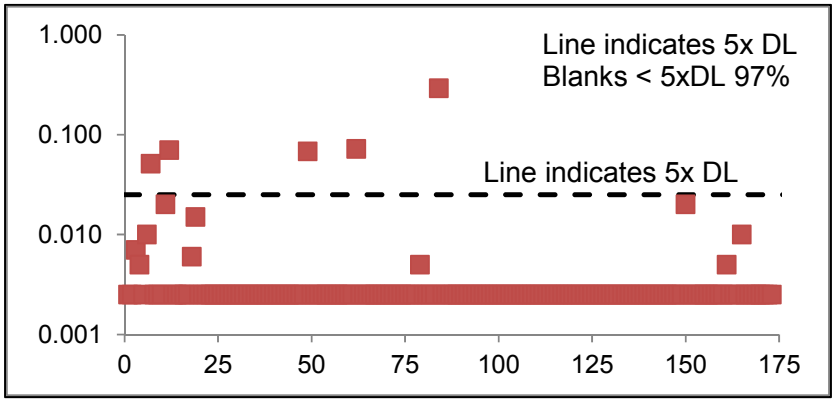


Figure 11-1 Blank Assay Data (Gold)

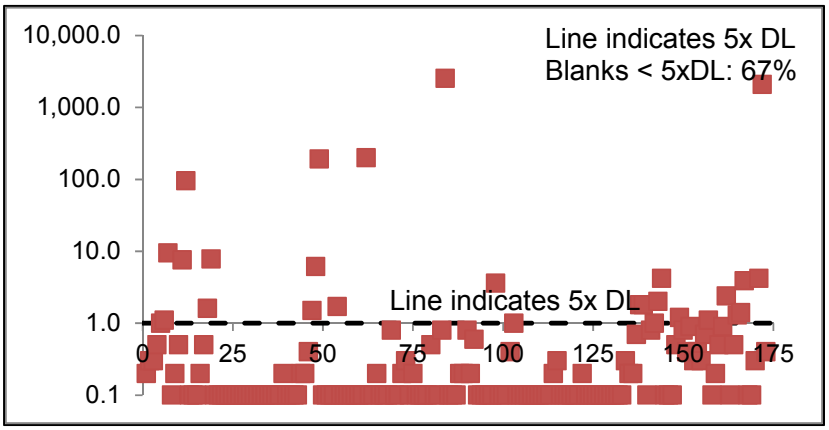


Figure 11-2 Blank Assay Data (Silver)

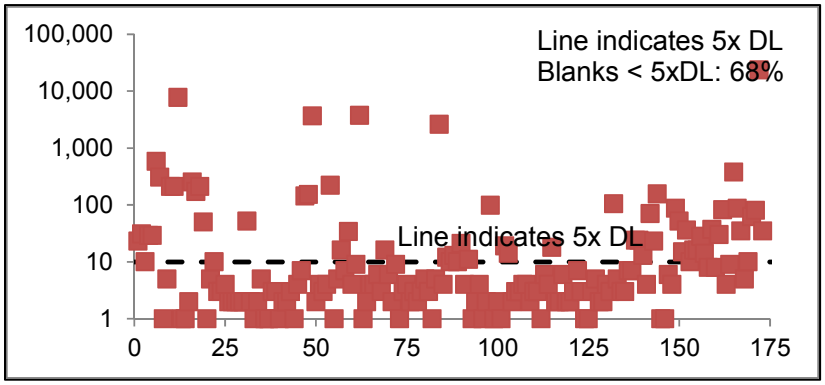


Figure 11-3 Blank Assay Data (Lead)

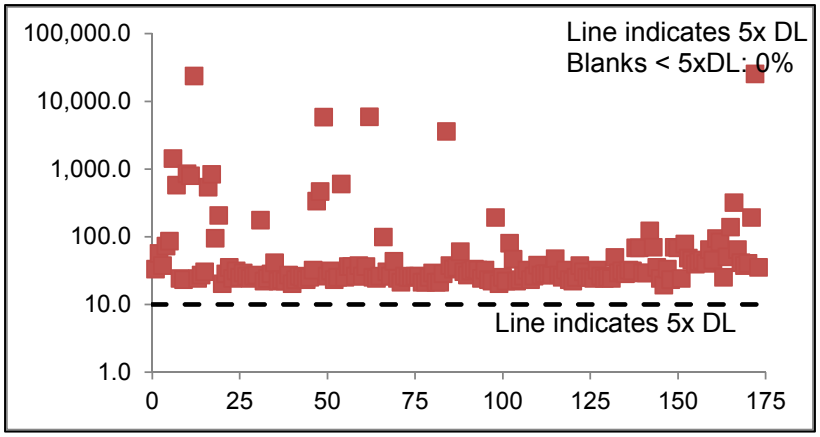


Figure 11-4 Blank Assay Data (Zinc)

Exceedances of the acceptance criteria for the blank samples may suggest laboratory contamination or mineralization within the andesite. Conceptually, laboratory contamination would be indicated by a sample with higher grade carrying over to the blank sample. To further investigate the possibility of laboratory contamination, Gustavson plotted the blank assay data for silver, lead, and zinc with the assay result preceding the blank sample, along with a 1:1 line, as shown in Figure 11-5 through Figure 11-7. Those blank detections that exceed the acceptance criteria of 5-times the detection limit are shown using a green triangular symbol.

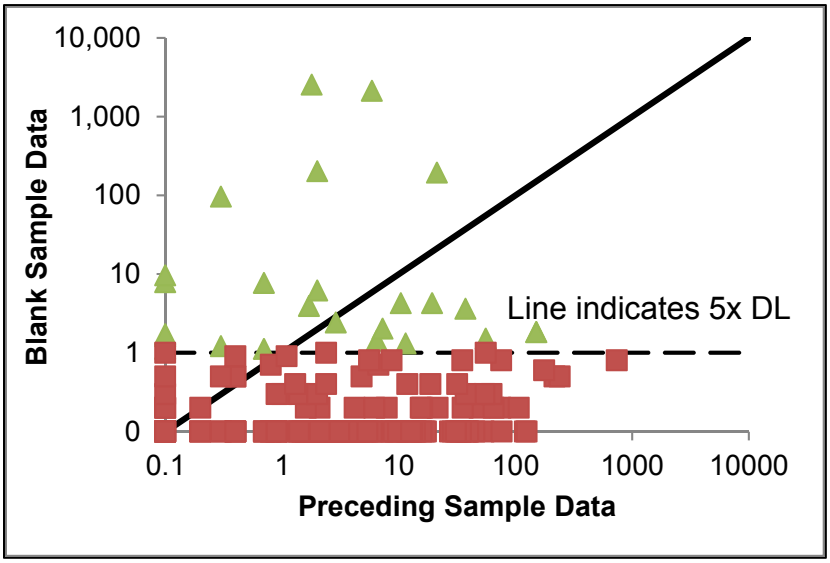


Figure 11-5 Silver Blank and Preceding Data

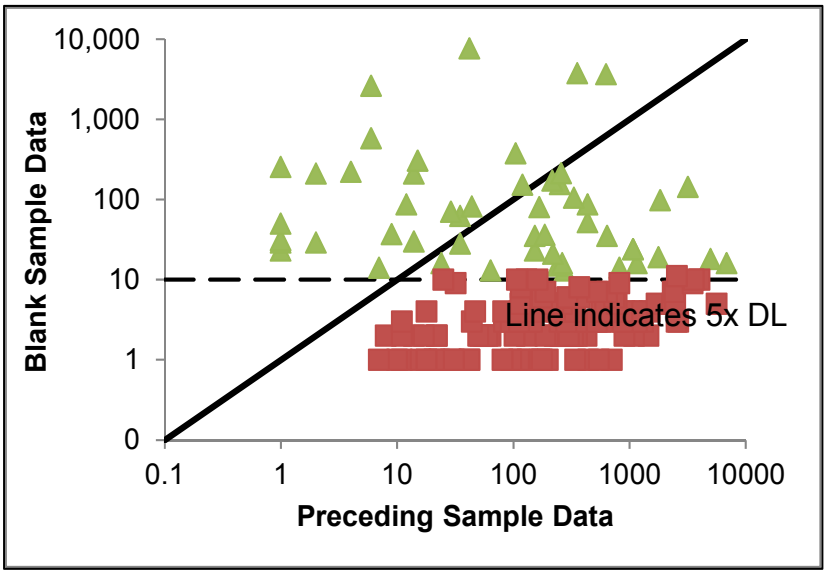


Figure 11-6 Lead Blank and Preceding Data

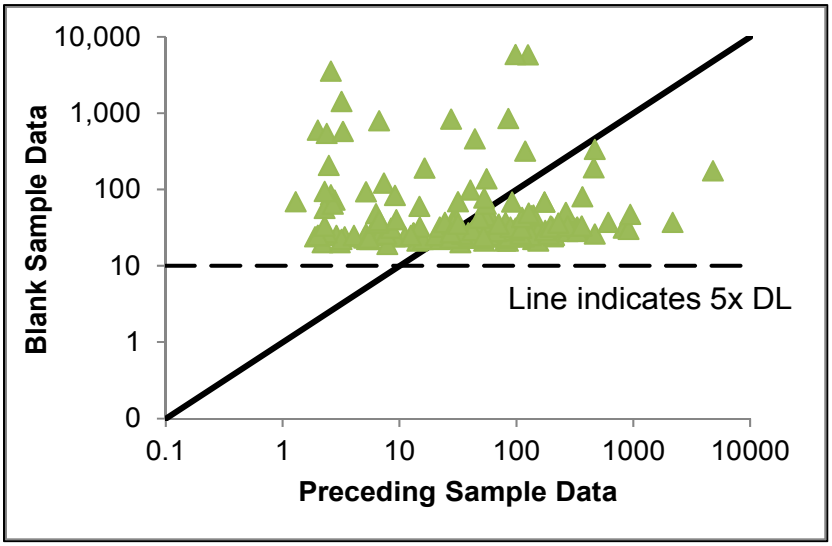


Figure 11-7 Zinc Blank and Preceding Data

As shown in Figure 11-5 through Figure 11-7, exceedances of acceptance criteria for blank samples do not appear to be routinely caused by carryover of the preceding sample. Instead, the presence of metals in the blank samples may suggest mineralization in the andesite used for making blank samples. **Gustavson recommends that Sierra Metals purchase commercially prepared blank samples, or locate an alternate source of rocks for preparing blank samples.**

Sierra Metals provided results from 144 standard samples containing 4 standard samples that were prepared internally by Sierra Metals. To develop the certified grades for these standard samples, Sierra Metals sent the standard samples for assay at 3 independent laboratories (Servicio Geológico Mexicano, LIMSA, and ERSA), and at Sierra Metals' internal Malpaso laboratory. Gustavson calculated the arithmetic mean and standard deviations of grades from these four sources. The 4 standard samples, their source, and assay grades for silver, lead, and zinc are provided in Table 11-2.

Table 11-2 Results of 4 Internally Prepared Standards

Standard	Source	Average Grades + Standard Deviation (g/t)		
		Ag	Pb	Zn
Standard 4	Promontorio	76.6 + 3.3	2,423 + 293	4,640 + 701
Standard 2	Santa Eduwiges	185.7 + 13.5	3,645 + 105	6,138 + 433
Standard 1	Santa Eduwiges	703.4 + 38.9	6,225 + 435	4,188 + 315
Standard 3	Promontorio	2,080.2 + 62.0	23,030 + 864	25,885 + 1,747

To determine whether the standard samples indicated significant laboratory error, Gustavson applied an acceptance criteria of average certified grade ± 3-times the

standard deviations. No certified grade was given for gold in the standards, and as such, gold detections in the standard are shown using a hollow red symbol. **As the system includes some gold values, Gustavson suggests that standards with certified gold assay grades be employed.**

The standards typically fall within the acceptance criteria of average ± 3-times the standard deviation, with the exception of silver, lead, and zinc detections in Standard 3, which routinely fall below the lower limit of average grade minus 3-times the standard deviation. The low numbers reported were because the first runs of the standard were made at low upper limits which were exceeded, which normally would trigger a re-assay employing a higher upper limit. However, in these cases, not enough standard was submitted to allow a re-assay, so only the lower numbers were reported and are meaningless. **Gustavson recommends that Sierra Metals provide adequate quantities of standard samples to the laboratory to allow for re-assays, if necessary.**

Plots showing the detections in the four standards are provided in Figure 11-8 through Figure 11-11. Those standard detections that fall within the acceptance criteria are shown using a blue symbol, with detections outside the acceptance criteria shown using a solid red colored symbol.

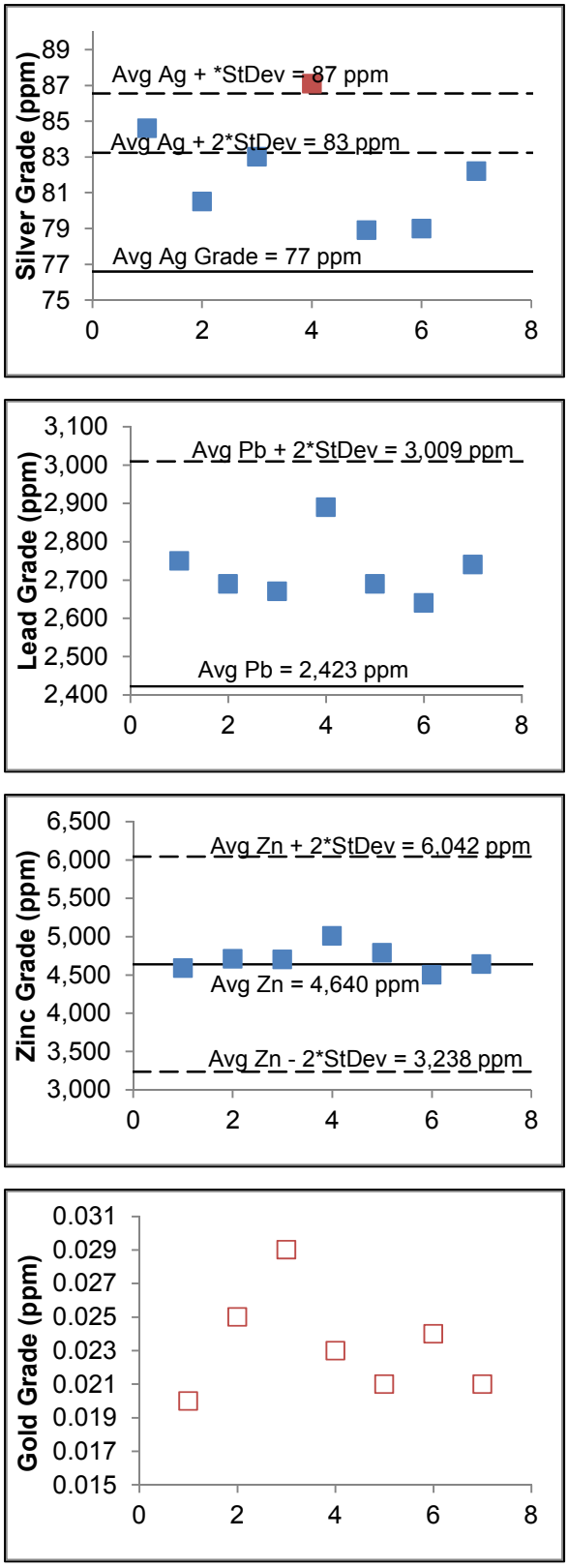


Figure 11-8 Standard 4 (ALS)

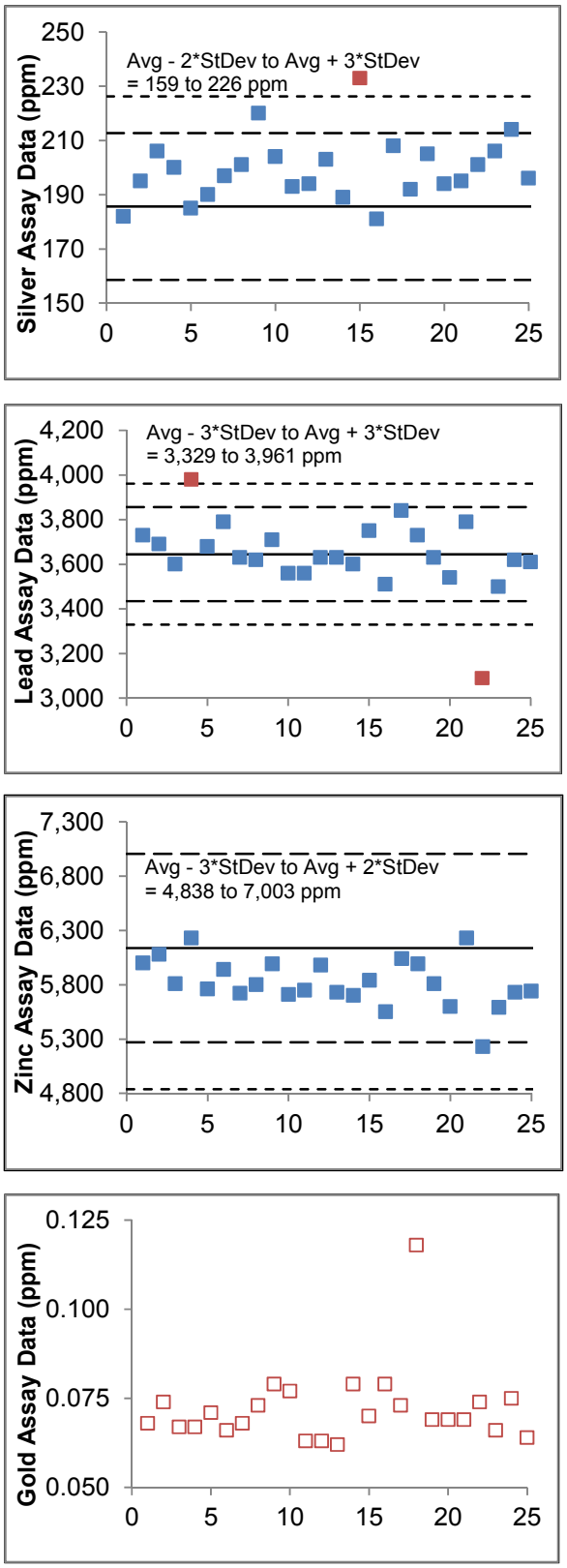


Figure 11-9 Standard 2 (ALS)

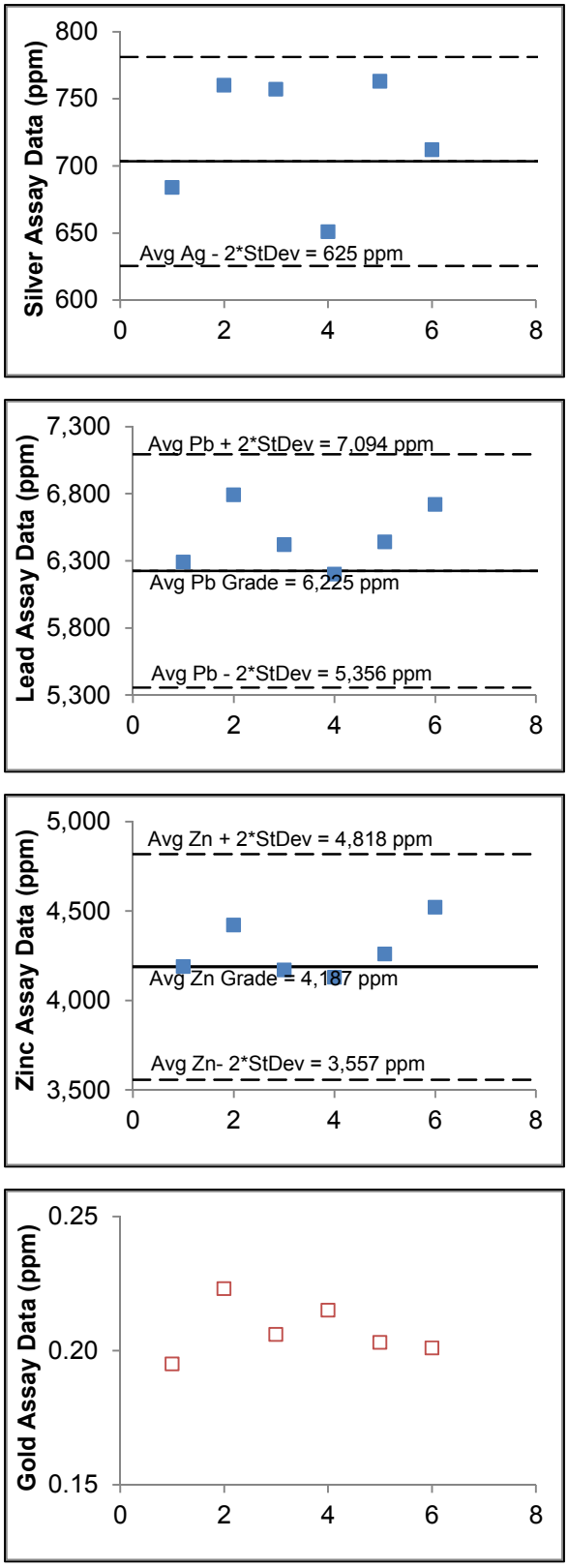


Figure 11-10 Standard 1 (ALS)

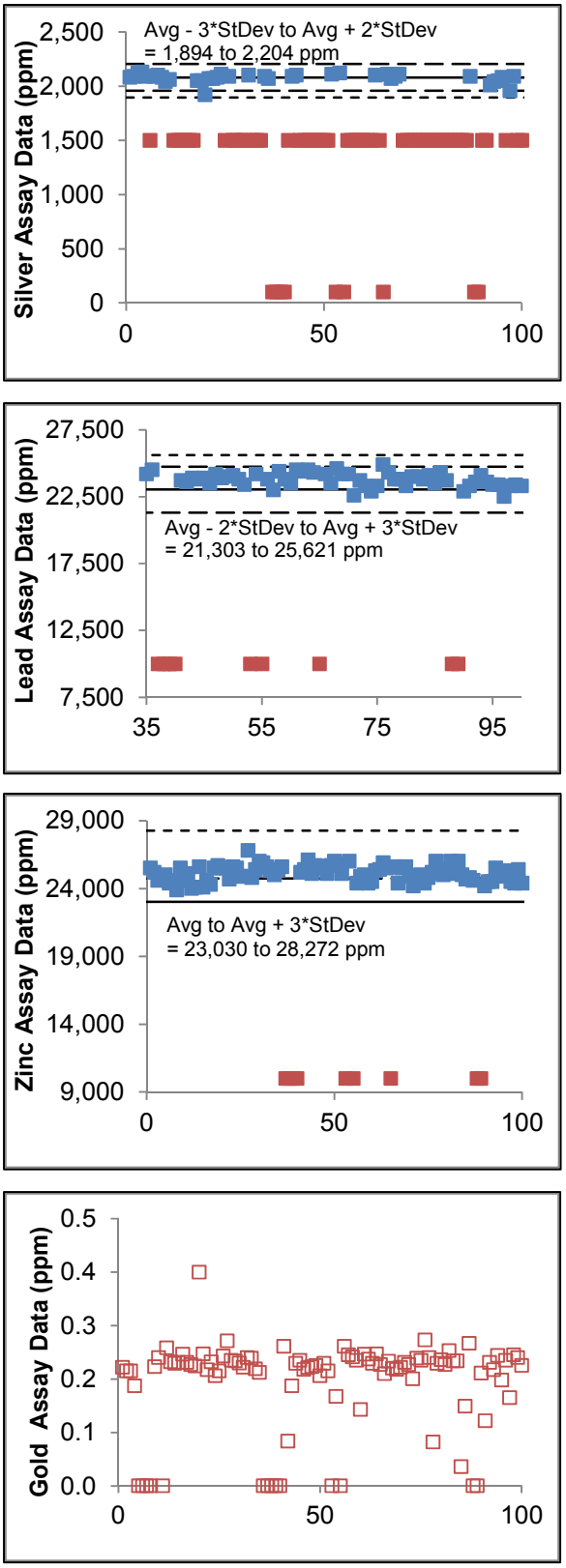


Figure 11-11 Standard 3 (ALS)

11.3.3 Corrective Actions as Result of QA/QC Samples from ALS

Gustavson is not aware of Sierra Metals' acceptance criteria for QA/QC samples. Gustavson is not aware of any corrective actions developed by and followed by Sierra Metals for QA/QC samples. **Gustavson recommends that Sierra Metals develop and follow a QA/QC control program that sets requirements for QA/QC sample frequency, acceptance criteria, and corrective actions if acceptance criteria are not met.**

11.3.4 Sample Analysis - Malpaso

Sierra Metals operates an internal laboratory within its Malpaso Mill. The Malpaso laboratory began analyzing samples in 2007; however, our database only contains assay data from Malpaso since 2012. This internal laboratory was initially used to provide fast turnaround time for assaying mine samples and underground drill samples to help guide mining decisions.

The drillhole database provided to Gustavson contained assay data from Malpaso analyzed in 2012 and 2013. Samples sent to Malpaso are crushed initially to 3.175-millimeter (1/8-inch) grain size, then further pulverized to 85% passing rate of 100 mesh (152-micrometer) or 150 mesh (104-micrometer). Gustavson notes that the sample pulverization target at Malpaso differs than that for ALS: **Gustavson recommends that the Malpaso laboratory use a pulverization rate of 85% passing rate at 75 micrometers such that the analytical results from Malpaso are comparable to those at ALS.**

Pulverized samples are assayed for silver by fire assay and metals by plasma atomic emission spectroscopy. Reporting limits for assays at Malpaso are summarized in Table 11-3.

Table 11-3 Analytical Methods and Reporting Limits for Malpaso

Metal	First Method	
	Analytical Method	Lower Reporting Limit (g/t)
Gold	Fire Assay	20
Silver	Fire Assay	20
Lead	AES	Unknown
Zinc	AES	Unknown

11.3.5 Quality Assurance and Quality Control Samples for Malpaso

Sierra Metals provided Gustavson with the results of 104 standards that were assayed at Malpaso containing Standards 3 and 4, with source and certified grades that are

equivalent to those described in Section 11.3.2 and Table 11-2. The standards were assayed for silver, lead, and zinc. Similar to the standard samples assayed at ALS, Gustavson applied an acceptance criteria of average certified grade ± 3-times the standard deviations. Those standard deviations that fall outside the acceptance criteria of average ± 3-times standard deviations are shown using a solid red colored symbol.

As shown in Figure 11-12 and Figure 11-13, exceedances of the acceptance criteria for silver were rare, however exceedances of the acceptance criteria were more common for lead and zinc. Detections of lead and zinc outside the acceptance criteria may be attributed to poor homogenization of the internally-prepared standard samples or poor data quality for lead and zinc at the Malpaso laboratory.

Gustavson recommends that Sierra Metals purchase certified standard samples and/or send duplicate samples that are assayed at Malpaso to an independent laboratory for verification purposes.

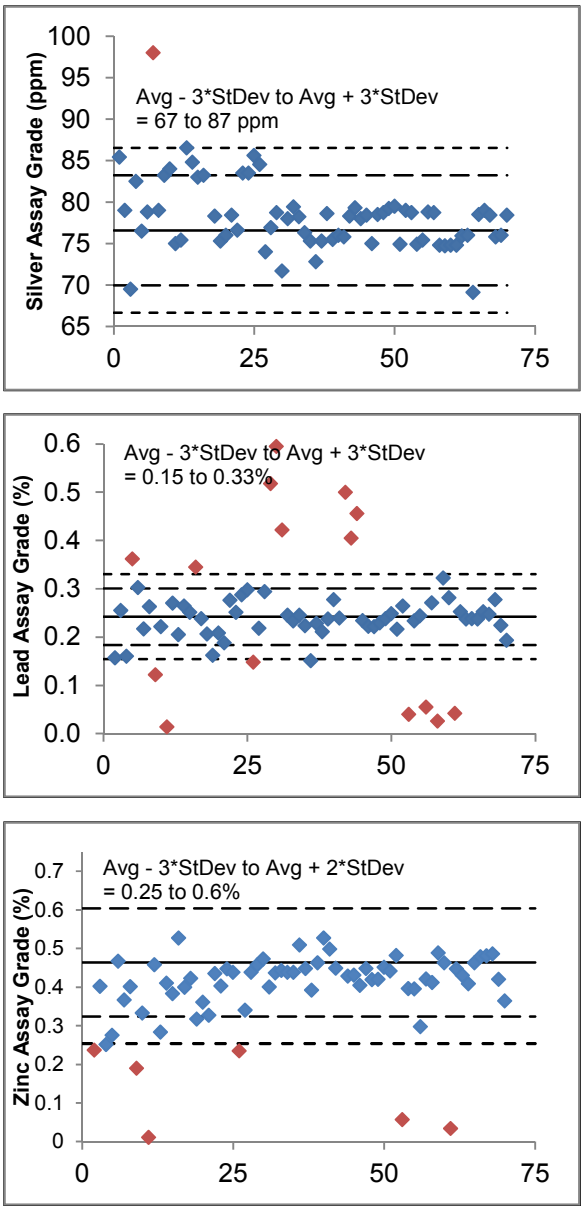


Figure 11-12 Standard 4 (Malpaso)

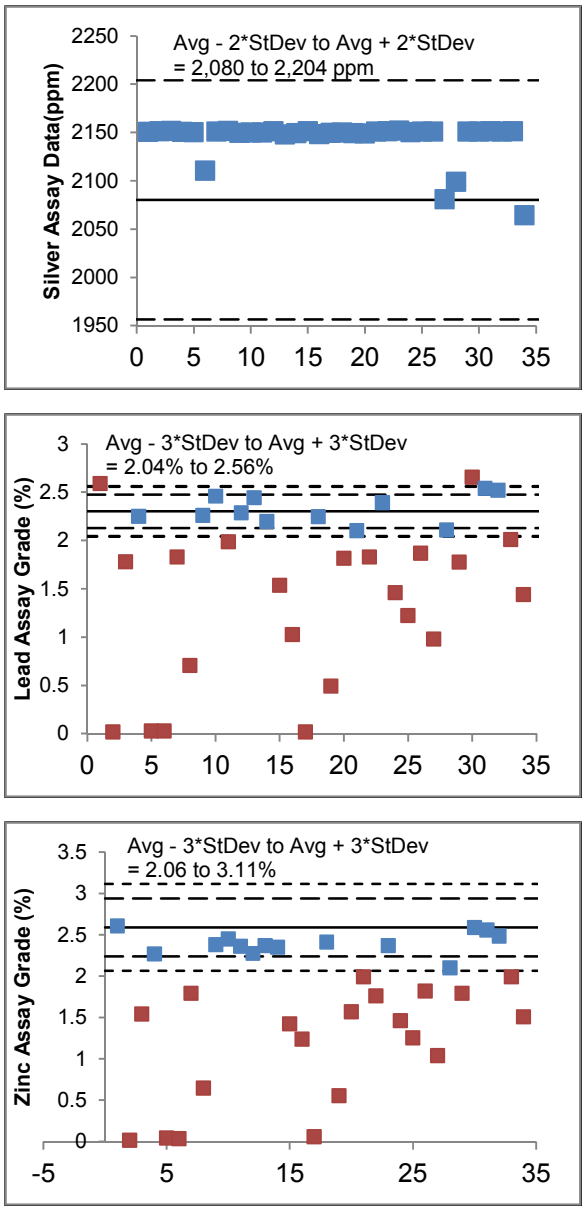


Figure 11-13 Standard 3 (Malpaso)

11.4 2013 Lab Standards and Check Assays

Cusi has expanded the QA/QC program for drill samples taken during 2013. Sierra Metals has provided Gustavson with the following QA/QC data from 2013:

- Data for 303 blank samples from 2013
- Data for 412 standard samples from 2013
- Data for 177 second lab analyses from Malpaso prepared pulps.

Cusi has submitted blanks and standards for 2013 at an average rate of 4.8 percent. (2.8 percent for standards and 2 percent for blanks) This is a significant improvement over prior years. Best industry practice is to submit independent standards at a rate where one standard is present in each fire assay batch, typically 1 standard per 20 to 24 samples.

Gustavson notes that we have received no information about standards or blanks from the underground drill sampling campaign from 2013. Underground sampling is of significant importance to the project, both for resource modeling and for ore control determinations. **Gustavson recommends that Cusi mine geologists insert blanks and standards into the sample stream for underground samples in order to monitor performance of the Malpaso laboratory.**

11.4.1 Blanks Comparisons

Figure 11-14 Shows performance of blanks for the 2013 drill program. ALS samples are shown on the left side of the figure, with Malpaso samples on the right side. Certain individual blanks appear to be returning expected values for standards rather than blanks. This may be a result of misrecording of individual check samples by Cusi geologists. **Gustavson recommends that the system for recording and tracking standards and blanks submission be reviewed, and that discrepancies be corrected and recorded as part of the QA/QC record.**

Blanks for Lead and Zinc show scattered low values late in the drill program for both ALS and for Malpaso labs. Malpaso lab tends to show higher scattered low values. It is possible that this represents a change in the material being submitted for blank material. It is also possible that there is low-grade contamination in the sample preparation process at Malpaso. **Gustavson recommends a thorough review of the Malpaso sample preparation system and practices to ensure that there is no sample contamination.**

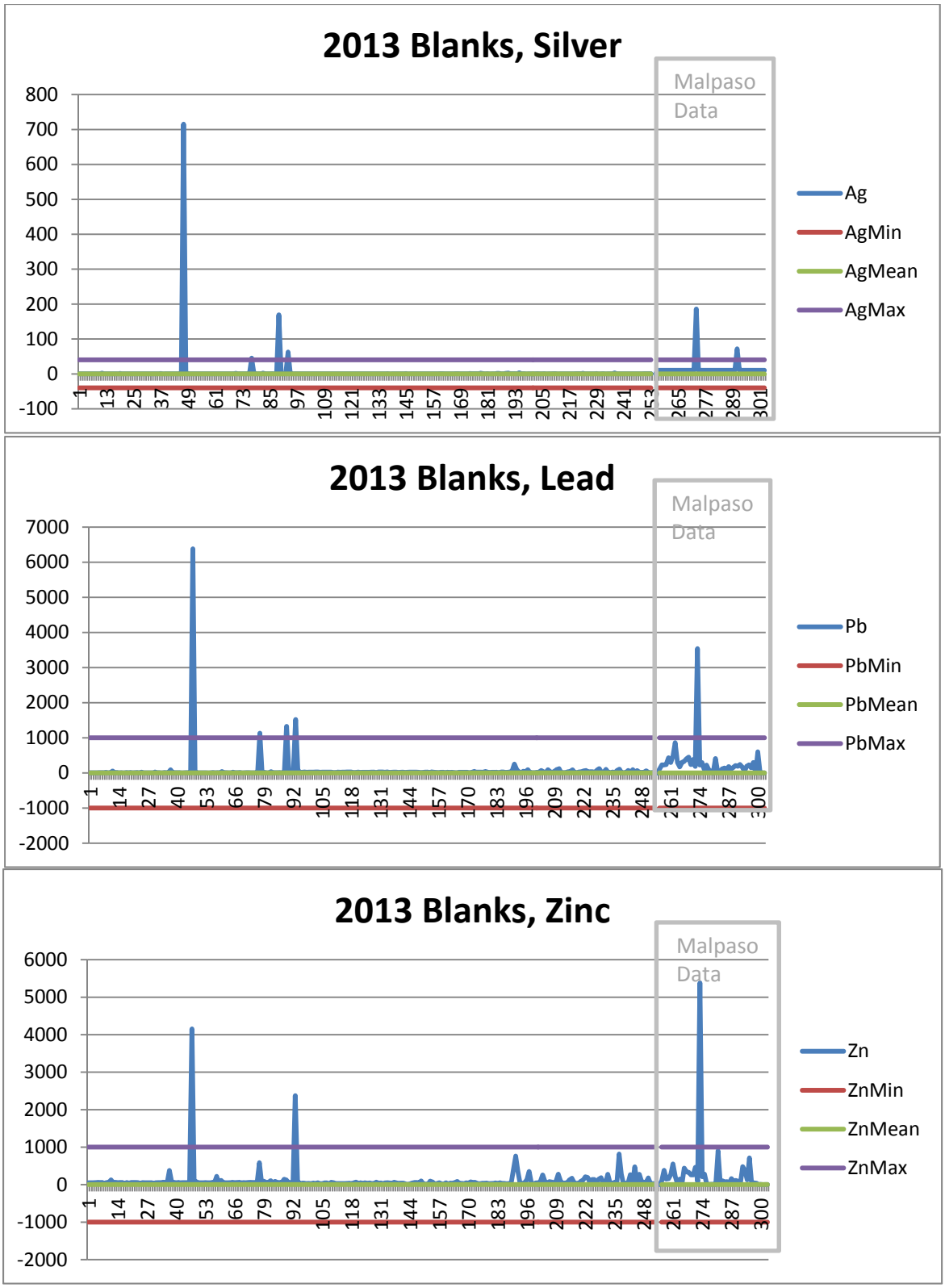


Figure 11-14 2013 Blanks Behavior, ALS and Malpaso

11.4.2 Standards Comparisons

412 standards were submitted along with drill samples during 2013, to both ALS Chemex and Malpaso labs. Standards used during 2013 were STD 1, STD 2, and STD 4. Figures 11-15, 11-15, and 11-16 show performance for standards STD 1, STD 2, and STD 4, respectively. Min and Max lines are shown at ±2 standard deviations. Malpaso data are shown at the right side of the graph, ALS data on the left side.

Certain individual standards (2 from ALS and 2 from Malpaso) from the STD 1 data set are returning values consistent with STD 2 standards. It is possible that the numbers recorded for the standards submitted did not match the actual submission. Accordingly, **Gustavson recommends that the system for recording and tracking standards and blanks submission be reviewed, and that discrepancies be corrected and recorded as part of the QA/QC record.**

Three of the STD 2 values from Malpaso return silver assays below detection limit, without corresponding low values for lead and zinc assay. It is possible that this constitutes a data entry error in the laboratory. **Gustavson recommends review of the data entry processes for Malpaso lab to ensure that data entry errors can be caught and corrected.** It is possible that implementation of a LIMS system would be helpful in eliminating these kind of errors.

Standards behavior for Lead and Zinc for Malpaso lab is much more scattered and inconsistent than for ALS Chemex. This reduces confidence in Malpaso assays for Lead and Zinc. **Gustavson recommends that the assay procedures at Malpaso for Lead and Zinc be reviewed and improved.**

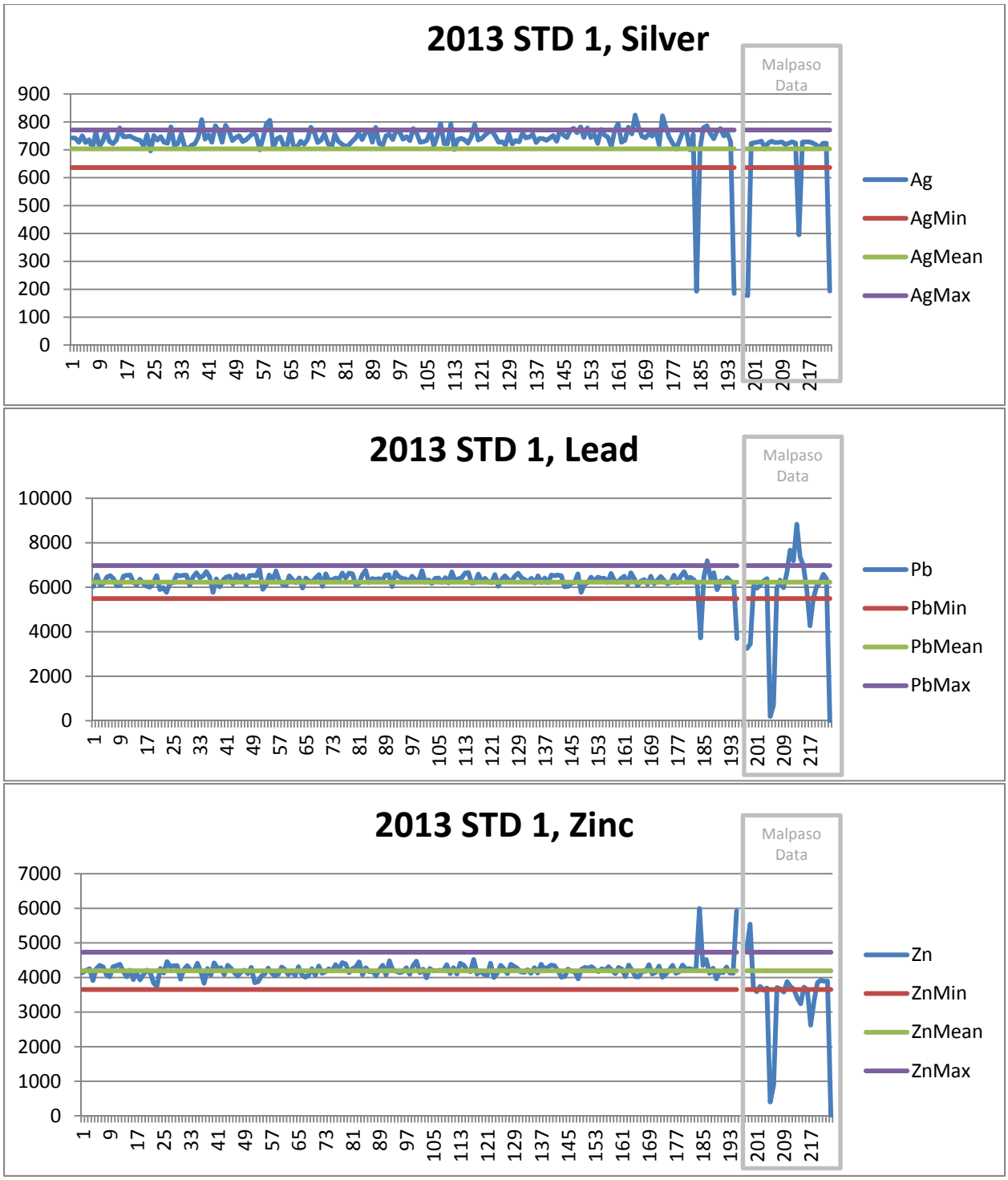


Figure 11-15 2013 S1 Standards, ALS and Malpaso

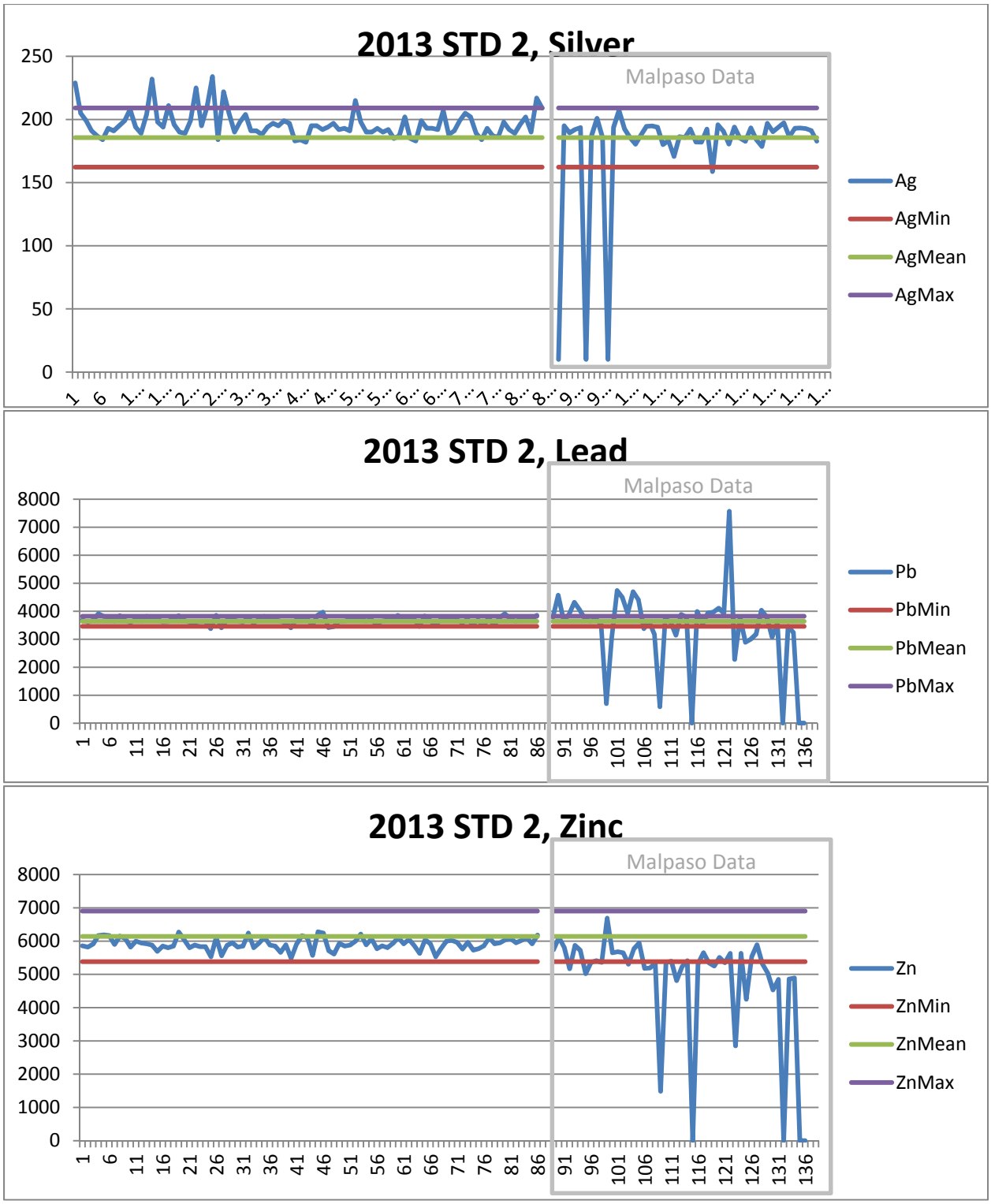


Figure 11-16 2013 S2 Standards, ALS and Malpaso

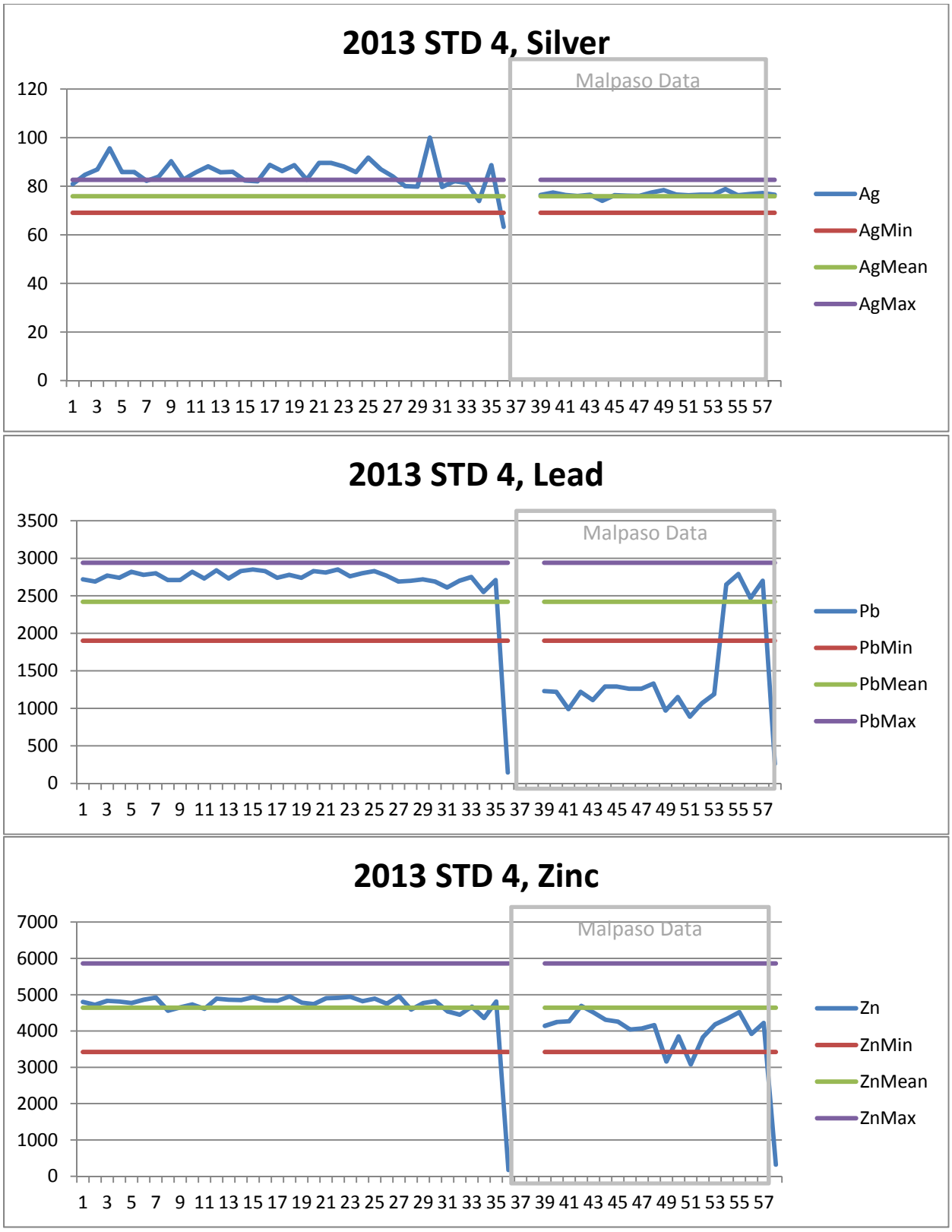


Figure 11-17 2013 S4 Standards, ALS and Malpaso

11.4.3 Comparison of Malpaso to ALS Chemex Lab:

Two comparisons are made between Malpaso lab data and ALS Chemex. In 2013, Cusi submitted 177 pulps, previously prepared and assayed at Malpaso lab, to ALS Chemex for check assay. The resulting assay comparison is presented as Figure 11-18. While there is local variability, there is significant agreement between the sample populations between the two labs for this data set. This comparison, in conjunction with the Standards and blanks comparisons for the 2013 data, gives us a reasonable level of confidence that the Malpaso lab data is adequate.

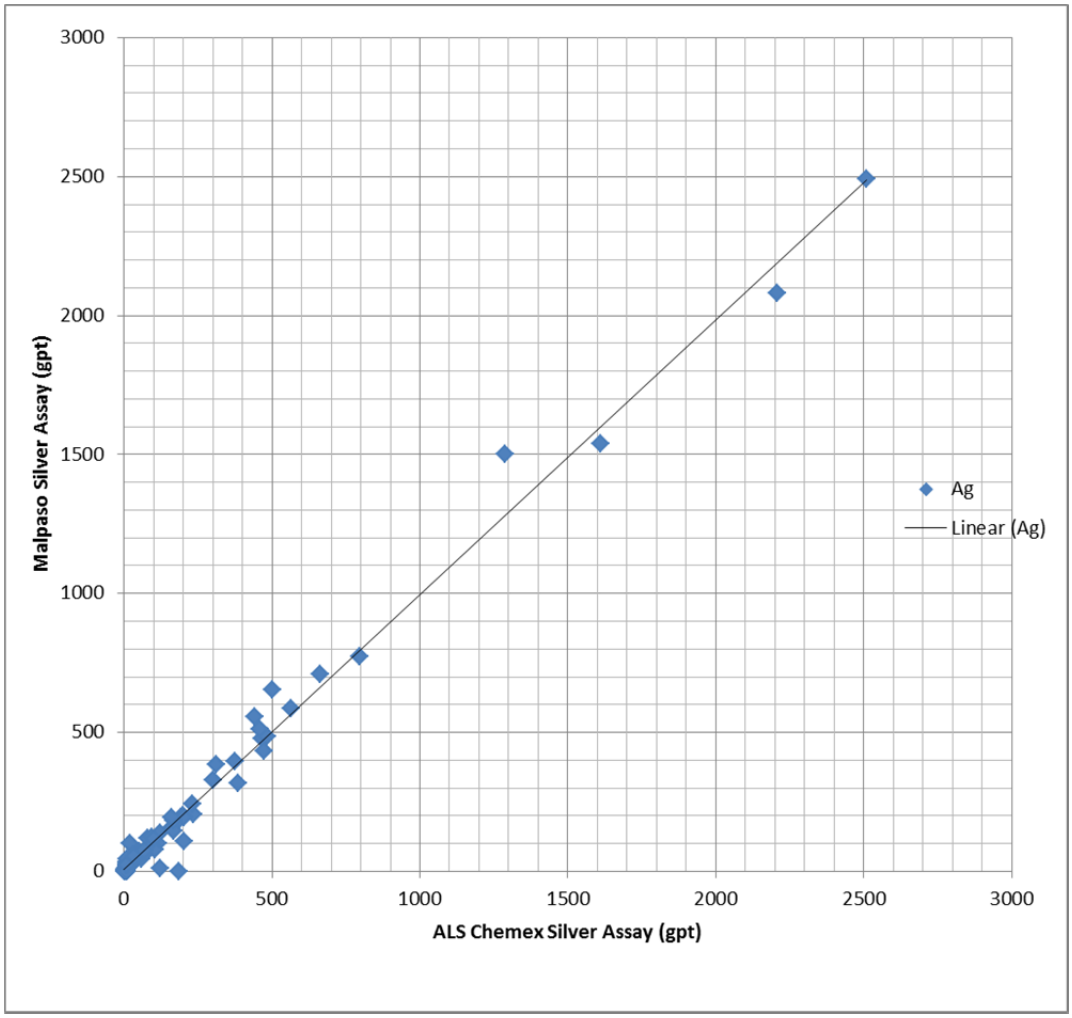
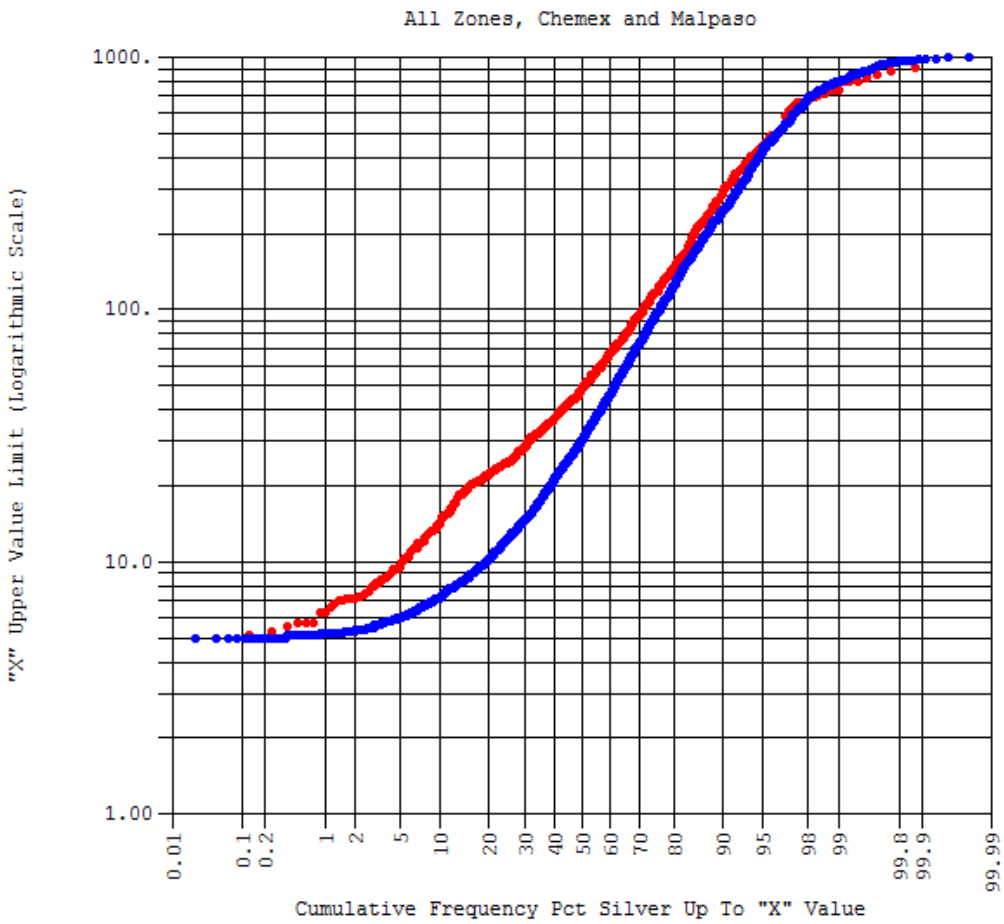


Figure 11-18 Malpaso vs ALS Silver Check Assay

In order to extend this finding to consider the wider data set, we consider cumulative frequency plots for Malpaso assay data with ALS data from within the resource estimation domains. Here we find that there is a distortion in the Malpaso data related

to the elevated cutoff grades for silver, (20 g/t) but that there is an excellent correspondence between the two data sets above economic cutoff grades.



	Malpaso	Chemex
Number of Samples:	1761	5989
Number Missing:	0	0
Number Below Limits:	930	1378
Number Above Limits:	29	111
Number in Range:	802	4500
Minimum Value:	5.100	5.000
Maximum Value:	914.850	1000.000
Mean Value:	109.877	92.324
Median Value:	48.600	30.300
Variance:	23786.781	23713.684
Standard Deviation:	154.230	153.992

Figure 11-19 Malpaso vs ALS Cummulative Frequency Distribution

Gustavson is of the opinion that these indications, considered together, support the inclusion of Malpaso laboratory data for estimation of resource. **Gustavson recommends that Cusi continue to carefully monitor Malpaso Lab results moving forward, particularly with regard to maintaining the laboratory QA/QC program, and continuing to perform 5-10% checks using a certified commercial laboratory to ensure that the data quality remains appropriate for future resource estimation work.**

11.5 Opinion on Adequacy

Gustavson recognizes QA/QC practices for all samples assayed at ALS and Malpaso have not been consistent, ranging from lack of QA/QC samples, no acceptance criteria, to no corrective actions following review of QA/QC samples.

Gustavson considers the ALS data to be more reliable than Malpaso data, particularly at lower grades. (Malpaso Lab recognizes the lack of precision in low grade silver samples, and this is the basis for not reporting values under 20 g/t Ag.) However, there is little difference at likely economic grades between Malpaso and ALS data within the same portions of the deposit. For this reason, Gustavson is including both Malpaso and ALS data in the resource estimation.

Given the high proportion of data from assay campaigns without QA/QC control, and other uncertainties on data quality, Gustavson is of the opinion that the resource estimate should not be classified as “Measured” to reflect data quality uncertainties. Gustavson is of the opinion that the confidence in assay data may be increased with additional QA/QC verification data, including verification of historical drillholes and re-assaying of retained drill core, especially those drill core that were initially assayed at the Malpaso laboratory.

Gustavson judges that the current database is adequate for reporting Indicated and Inferred Mineral Resources.

12 Data Verification (Item 12)

Gustavson reviewed the drillhole database containing data for drilling completed by Sierra Metals from May 2006 through December 31, 2013. Data received in the drillhole database is summarized in Table 12-1.

Table 12-1 Summary of Data in Drillhole Database

Data	Number of Drillholes	Number of Entries
Collar	839	839
Survey	817	1,958
Lithology	834	19,936
Assay	776	51,145

Gustavson reviewed the drillhole database: our findings are reported in this section.

12.1 Collar Survey

For collar data, easting and northing were reported in a local grid with a reference point of Northing 10,000 meters and Easting 10,000 meters at the Promontorio shaft. Historically, collar elevations were reported with reference to sea level and geodetic ellipsoid: Sierra Metals corrected all elevations to geodetic ellipsoid. For verification purposes, Gustavson plotted drillholes on the site topographic map and found collars matched with topography.

Gustavson identified 5 pairs of drillholes containing identical collar and survey data, which is recognized in modeling software as an error. As part of data verification, Gustavson discussed these drillholes containing identical collar and survey with Sierra Metals: findings are listed below.

- DC07B116 and DC07B116B. DC07B116 was drilled to 9 meters below ground surface (bgs) when drilling refusal was encountered: this drillhole was not assayed. DC07B116B was drilled in an adjacent location to 281 meters bgs.
    - DC07B116 was removed from the drillhole database.
- DC09B216 and DC09B218. DC09B216 was drilled to 23 meters bgs (assayed from 3 to 23 meters bgs) when drilling refusal was encountered. DC09B218 was then drilled in an adjacent location to final depth of 68 meters bgs, and assayed from 20.3 to 59.5 meters bgs.
    - DC09B216 contains data for 0 to 23 meters and DC09B218 contains data from 20.3 to 59.5 meters. The upper portion of DC09B218 is treated as unsampled.

- DC09M079 and DC09M080 drillholes were part of one drill fan, and should have the same collar data but differing orientation. In its review, Sierra Metals could not confirm which survey was reported in error.
    - The orientation of DC09M079 was altered by 1° as to allow retention of both sets of data. Given the general lack of downhole survey control, the error introduced by this approximation is not expected to be material.
- DC09M082 and DC09M083. DC09M082 was drilled and assayed to 30 meters bgs when drilling refusal was encountered. DC09M083 was then drilled in an adjacent location to final depth of 60 meters bgs, and assayed from 0 to 60 meters bgs.
- DC10B321 and DC10B323 drillholes were part of one drill fan, and should have the same collar data but differing orientation. In its review, Sierra Metals could not confirm which survey was reported in error.
    - DC10M321 is treated as unsampled and DC10B323 was left as is.

DC07B068 was reported with a total depth of 0 meters below ground surface with no assay data.

12.2 Downhole Survey

All 839 drillholes in the database contain at least a drilling orientation (azimuth and dip) reported at the beginning of drilling, at the top of the drillhole. Of those 839, 70 drillholes have more than one survey measurement taken down the drillhole, at a minimum at the top and bottom of the drillhole, and often every 15-20 meters. Gustavson reviewed the survey data of those drillholes with more than one survey measurement and found the variation of drillhole orientations to be nominal and within acceptable range for use in resource estimation.

For the holes without survey information beyond the collar orientation, the holes are treated in the database as having no downhole deviation. This assumption is a reasonable approximation near the drill collar, but results in increasing uncertainty as to the exact 3D location of drill samples with increasing depth in the drillhole. In January 2014, Cusi purchased downhole survey instrumentation which is being used to measure downhole bearing and dips in new drillholes, and will be used to survey existing holes where practical. The results of this new downhole survey data were not available at the effective date of this report.

Because of the large percentage of holes where downhole surveys are unavailable, and the resultant uncertainty as to exact 3D sample locations, Gustavson is of the opinion

that resource estimation based this sample data should be categorized as Indicated rather than Measured.

Gustavson recommends that accessible drillholes be surveyed when possible to improve the downhole survey database and refine the understanding of sample locations, and that future drillholes be surveyed.

12.3 Lithology

The codes utilized for lithology, mineralization, and alteration in the drillhole database are summarized in Tables 12-2 through 12-4.

Table 12-2 Lithology Codes

Code	Lithology	Code	Lithology
AN	Andesite	OV	Overburden
BX	Breccia	QC	Quaternary Conglomerate
DA	Andesite Dike	RD	Rhyodacite
DC	Dacite	RI	Rhyolite
DD	Diabase Dike	TA	Acid (felsic) Tuff
DF	Felsic Dike	TB	Basic (mafic) Tuff
DI	Diorite	TD	Dacite Tuff
DM	Mafic Dike	TI	Intermediate Tuff
HF	Hornfels	TL	Tuff
NC	Not Recovered	TR	Rhyolitic Tuff
NR	Not Recorded	US	Unconsolidated, unclassified sediments or rocks in hole
OB	Old Mine Workings	VG	Volcanic Agglomerates

Table 12-3 Mineralization Codes

Code	Mineralization	Code	Mineralization
Ag	Argentite	Mt	Magnetite
Ct	Calcite	Py	Pyrite
Fd	Feldspar	Qz	Quartz
Fe	Iron	Ro	Rhodonite
Ga	Galena	Su	Sulfide
Mn	Manganese		

Table 12-4 Alteration Codes

Code	Alteration	Code	Alteration
Ar	Argillization	Se	Sericitization

Cl	Chloritization	Si	Silicification
Cy	Clay alteration	Sm	Smectite Alteration
Ep	Epidotization	Ve	Veins/Veinlets
Ka	Kaolinitization	sw	Stockworks
Pr	Propylitization	tr	Trace mineralization

In review of the lithology, Gustavson concludes that the recorded codes are generally consistent with the property geology as described in Section 7.3. Additional notes on Sierra Metals' lithology logging are described in Section 10.3.

The resource model is primarily based on domain interpretations based on consideration of mineralization within mineralized structural zones. Geologic indicators, particularly lithologic contacts and structural codes are considered in the construction of individual structural planes, but the domain construction is largely controlled by assay grades. Construction of a more nuanced geologic and alteration model may be useful in consideration of geometallurgical recoveries for future work at the project. To support such work, **Gustavson recommends adjusting the drill and underground logging techniques to capture data in a more database-friendly manner, to aid in correlation and regression analysis in support of metallurgical recovery models.**

12.3.1 Gustavson Verification of Geology

During the September 2012 site visit, Gustavson's Dr. Newton took seven surficial structural measurements to independently verify the site geology. Gustavson's structural measurements and orientations reported in Geomap's 1:5000 scale geologic map are summarized in Figure 12-1. In general Gustavson's surficial measurements showed good agreement with those identified on Geomap's 1:5000 scale geologic map.

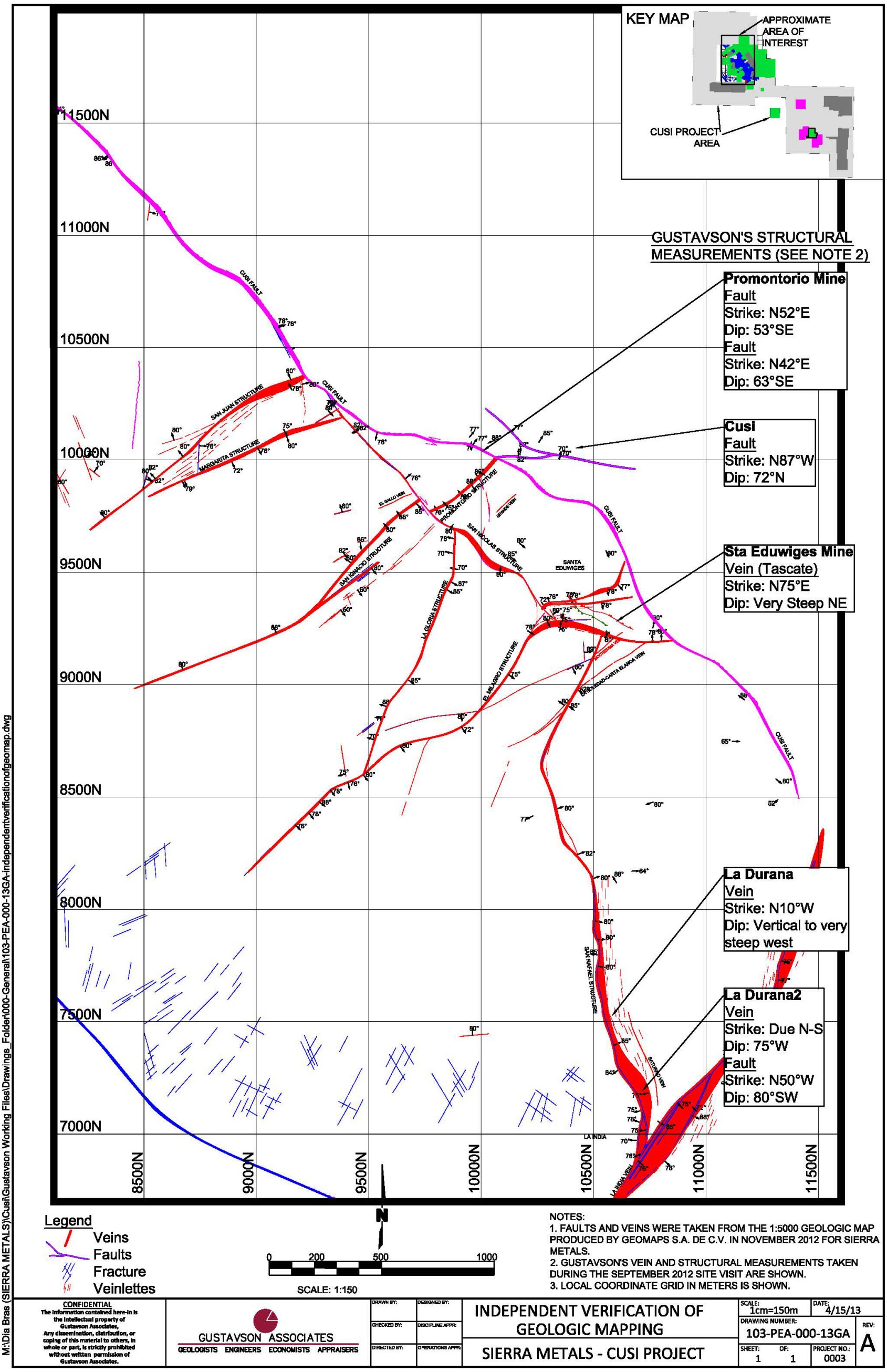


Figure 12-1 Independent Verification of Geologic Mapping

In addition, Gustavson made six structural measurements in the Promontorio and Santa Eduwiges Mines, as shown in Table 12-5.

Table 12-5 Structural Measurements in Underground Mines

Location	Type	Strike	Dip	Comment
Promontorio	Vein	Due N-S	62 E	Newly discovered vein, highly manganiferous
Promontorio	Vein	N62E	Vertical	Level nine, Assay sample P2
Promontorio	Fault	N60W	80 SW	Level 9, East of samples P1 and P2, Mineralized
Santa Eduwiges	Fault	N45W	v. steep NE	Down-dip striations
Santa Eduwiges	Vein	N70W	80 N	
Santa Eduwiges	Vein	ENE	Steep S	San Antonio vein
Santa Eduwiges	Dike	N80E	85 S	Dike controlling vein, dike altered and mineralized

12.4 Assay

As described in Section 11.3, drillhole samples from Cusi were assayed at ALS and Malpaso.

Table 12-6 Summary of Data in Drillhole Database

Laboratory	No. of Drillholes	No. of Entries
ALS	594	39,560
Malpaso	117	9,003
ALS & Malpaso	13	1,144
Hole Not Sampled	114	N/A
No Lab Recorded	1	14
Total	839	51,145

12.4.1 Verification of Assay Data from ALS

For data verification, Gustavson acquired assay certificates in .csv format from ALS' Webtrieve in February 2013 and assay certificates in .pdf format received from Sierra Metals for sampling conducted by Sierra Metals from 2006 through 2012. Gustavson verified 2,659 of the ALS samples with the ALS assay certificates, representing approximately 9.5% of the ALS assay data.

All identified errors were associated with no data in the database where data were available in the assay certificates, potentially suggesting the data were inadvertently not entered into the database. In such cases, data from the assay certificates were entered into the database for inclusion in the resource estimate.

With the exception of those drillholes that were omitted from use, as described in Section 12.1, Gustavson concludes that all ALS data were acceptable for unrestricted use in resource estimate.

12.4.2 Verification of Assay Data from Malpaso

Sierra Metals' internal Malpaso laboratory is not a commercial laboratory and does not issue assay certificates. The database can be checked against the digital files provided by Malpaso laboratory, and the ALS and Malpaso data populations can be compared within individual deposit areas. For the 2013 drill program, Malpaso Lab has improved QA/QC procedures, particularly with regard to including commercial standards in the sample stream for the project. Gustavson recommends that Sierra Metals continue to monitor QA/QC procedures and documentation for Malpaso lab data to aid in data verification.

12.4.3 Gustavson Verification of Assay Data during Site Visit

During Gustavson's site visit in September 2012, Gustavson collected four samples for independent verification:

- From the La Durana portion of former La India Mine, one sample was taken from the mineralized quartz vein.
- From the Promontorio Mine, one sample was taken from the mineralized quartz vein, and one sample from the silicified rhyolite.
- From the Malpaso Mill, one concentrate sample was taken.

Samples were sent ALS Minerals in Reno, Nevada for gold, silver, and base metals analyses using methods as listed in Table 12-7.

Table 12-7 Analytical Methods and Reporting Limits

Metal	First Method		Over-Limit Methods	
	Analytical Method	Reporting Limit (g/t)	Analytical Method	Reporting Limit (g/t)
Gold	ICP21	0.001 – 10	None applicable	
Silver	MS61	0.01 – 100	OG62 GRA21	1 – 1,500 5 – 10,000
Copper	MS61	0.2 – 10,000	None applicable	
Lead	MS61	0.5 – 10,000	OG62	10 – 200,000
Zinc	MS61	2 – 10,000	OG62	10 – 300,000

Results for selected metals are reported on Table 12-8 and are generally within range of concentrations detected in the drillhole data.

Table 12-8 Samples Collected by Gustavson in September 2012

Source	Au	Ag	Pb	Zn
La India Mine: Quartz vein	0.182	368	109,000 (10.90%)	12,100 (1.21%)
Promontorio: Quartz Vein	0.212	1,480	11,200 (1.120%)	17,650 (1.765%)
Promontorio: Silicified Rhyolite	0.014	36.2	1,505	1,160

Note: Assay are reported in grams per tonne

12.5 Mine Samples

Sierra Metals' underground samples from the Promontorio Santa Eduwiges, La Glora, Milagro, and La India areas, as described in Section 9.4, were assayed at Sierra Metals' internal Malpaso laboratory. Underground sampling is an important component of the available data for several of the narrow-vein deposits, and is used in both generation of solids models of the veins, and used in estimation of grades. Within sections of Promontorio and Santa Eduwiges, underground sampling patterns tend not to include waste material at the boundary of the veins, and therefore inclusion of the underground sampling causes local distortions in block grade estimation. For this reason, Gustavson has not included underground sample data in the estimation for Promontorio and Santa Eduwiges areas. Gustavson is of the opinion that this approach is more representative of the deposit as a whole.

12.6 Surface Samples

There are very limited drill data available in the upper portions of the La Gloria / Minerva and Milagro / Monaco areas. However, there are surface samples for these areas which were taken as chip channel samples across the strike of the outcropping veins, generally with sampling into the footwall and hanging wall on either side of the structure. Thus, for these areas, surface sampling is an important component of the available data and is used in both generation of solids models of the veins, and used in estimation of grades. Gustavson is of the opinion that these data are representative. However, due to the generally lower reliability of surface sample data, the data are only used in La Gloria / Minerva and in Monaco / Milagro, where drill and underground data are not available. In addition, those portions of resource estimated using surface samples are classified as Inferred due to lower confidence in the data quality.

12.7 Data Adequacy

Data Adequacy is mixed for the Cusi deposit, depending on the resource area under consideration. The two main resource areas, Promontorio and Santa Eduwiges, have large numbers of drillholes and high assay data quality, but relatively low confidence in locations of individual drill intersections due to poor downhole survey control and complex drilling patterns. Areas such as Milagro, La India, and San Juan are modeled using a combination of underground sampling and drill intersections. The combination of simpler drill patterns and well-located underground sampling data increases confidence in the location information, but the reliance on underground sampling data from Malpaso lab gives somewhat lower confidence in the assay data quality. The upper portions of Milagro vein and the La Gloria / Minerva area are modeled based on surface chip channel samples. These are assumed to be relatively lower-confidence samples.

Gustavson considers that the data in general are adequate for resource estimation. However, relative confidence in the data quality is an important consideration in resource classification. Because of historical limitations on laboratory QA/QC programs, reliance on Malpaso data, and the large percentage of samples from drillholes without downhole survey control, none of the deposit is considered to be Measured resource. Classification of Indicated resources is reserved for those areas proximal to data which is well-supported by drill and underground data. Resource areas where there is reliance on surface channel sampling are considered inferred only.

13 Mineral Processing and Metallurgical Testing (Item 13)

13.1 Malpaso Mill Background

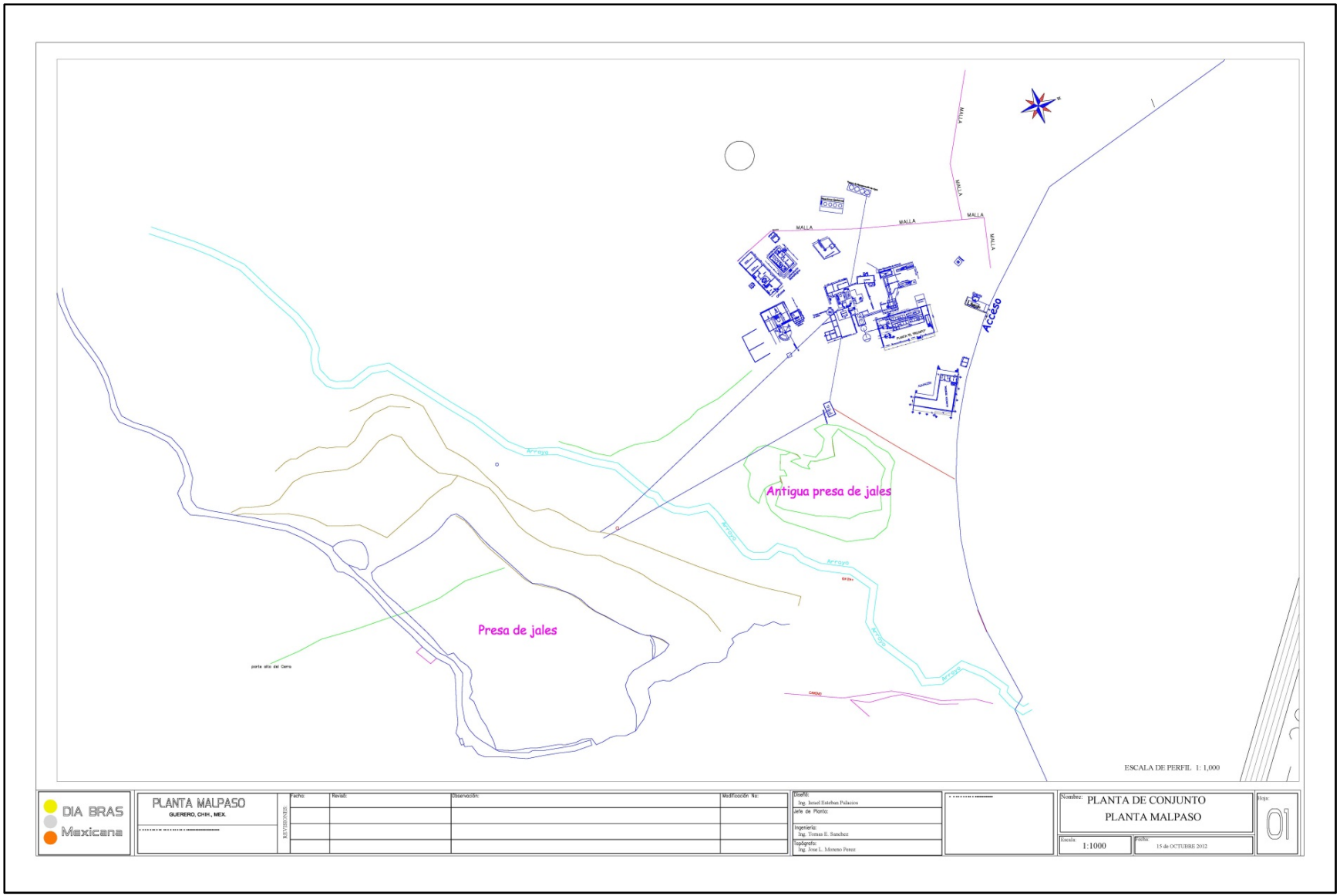
Mined materials from the Promontorio and Santa Eduwiges mines within the Cusi property are trucked 37 kilometers to the Malpaso Mill, operated by Sierra Metals, for processing. A base map showing the Malpaso Mill is shown in Figure 13-1.

Ore undergoes primary crushing by a jaw crusher. The Malpaso Mill contains two hydrometallurgical circuits: the Malpaso circuit and the Triunfo circuit.

- The Malpaso circuit has a capacity of 150 tonnes per day (TPD) and produces two product streams by flotation: a lead concentrate and a zinc concentrate.
- The Triunfo circuit has a capacity of 400 TPD and produces two product streams by flotation: a copper concentrate and zinc concentrate.

The mill can processes tailings by cyanide leaching for silver recovery by the Merrill Crowe process. Ore from Cusi was processed into a lead and zinc concentrate. In 2012 and 2013, all material processed at the Malpaso mill was shipped as lead concentrate.

Annual quantities of concentrates produced per year from processing ore from the Cusi Mine are summarized in Section 16.



Source: Sierra Metals, 2012.

Figure 13-1 Malpaso Mill Base Map

Between 70-80% of ore mined at the Cusi Project is from Santa Eduwiges, with the balance from Promontorio. Quantities and head grades sent to Malpaso, along with quantities and average grades of concentrates produced at Malpaso are summarized in Section 16. Average recoveries for Malpaso Mill from 2008 to 2013 are summarized in Table 13-1.

Table 13-1 Average Annual Recoveries at Malpaso Mill

	Average Annual Recoveries		
Year	**Silver (Lead Con)**	**Lead (Lead Con)**	**Zinc (Zinc Con)**
2008	62%	56%	32%
2009	63%	54%	44%
2010	69%	54%	6%
2011	69%	66%	12%
2012	76%	69%	--
2013	77%	72%	--
Total	**73%**	**66%**	**10%**

13.2 Recovery Estimate Assumptions

Reported metals recovery is taken from actual recovery data are available for the Cusi Project area. As shown in Table 13-1, average recoveries from 2008 through 2013 for ore from the Cusi Project are 73% silver, 66% of lead, and 10% of zinc.

13.3 Sample Representativeness

During 2012 and 2013, approximately 70-80% of the material processed from Cusi originated from the Santa Eduwiges Mine, with the balance of material mined at the Promontorio Mine. The recoveries measured in these years may not be indicative of mill performance for all ore within the Cusi Project area.

13.4 Significant Factors

Recoveries to date have been based on processing material from Santa Eduwiges and Promontorio mine areas, and may not be reflective of recoveries from processing material from San Juan, La Gloria, Minerva, San Nicolas and La India. In addition, portions of the project area contain gold values: however, recovery of gold has not been monitored at the Malpaso Mill and no metallurgical testing has been conducted. **Gustavson recommends that Sierra Metals conducts metallurgical testing using representative ore samples from all resource areas to determine recoveries for all metals of interest.**

14 Mineral Resource Estimate (Item 14)

The Cusi Project mineral resource estimate was generated under the supervision of Thomas Matthews, QP, of Gustavson Associates in accordance with NI 43-101 and CIM.

Sampling in the Cusi Project area consists of core drillholes, underground channel sampling, and surface sampling within the several resource areas, which in Gustavson's opinion provide sufficient data on which to base a mineral resource estimate.

14.1 Deposit Geology Pertinent to Resource Estimate

Observations from drilling and exploration activities to date have identified seven resource areas appropriate for resource estimation. The resource areas can be broken into two main categories: 1) structurally complex zones at the intersection of NW and NE trending structures that display discrete vein mineralization as well as a disseminated-style to highly fractured/stockworked mineralization surrounding discrete veins; and, 2) simple, typical epithermal vein deposits with one or a few easily identified, discrete veins.

The Promontorio and Santa Eduwiges resource areas fall into the first category. They both contain several large veins along structures trending mostly NE, but the structural regime is also influenced by NW-trending faults and the interaction of these NE and NW trending structures in a dextral transtensional environment. These structural intersections were highly prepared for mineralization, and veins on multiple scales plus a component of disseminated mineralization are present. The interaction of these two styles of mineralization makes modeling individual, discrete vein structures difficult. Higher grade occurrences are more wide spread, and grade alone cannot be used to model veins. The assaying and logging techniques employed in older drillholes also make identification of individual veins difficult, as mineralized intervals were not tied to named structures. The structural complexity of the Promontorio and Santa Eduwiges areas prompted Gustavson to employ a grade shell modeling method. See Section 14.4.1 for further details. Views of 3D models of the approximate location of major structures and/or veins in Promontorio are shown in Figure 14-1, and those in Santa Eduwiges are shown in Figure 14-2. These models were produced from drill and underground data, and project structures to the lower limits of drilling; therefore, the structures have not been cropped in for cross-cutting relationships. Centerlines of the shown 3D solids were the inputs for grade shell modeling.

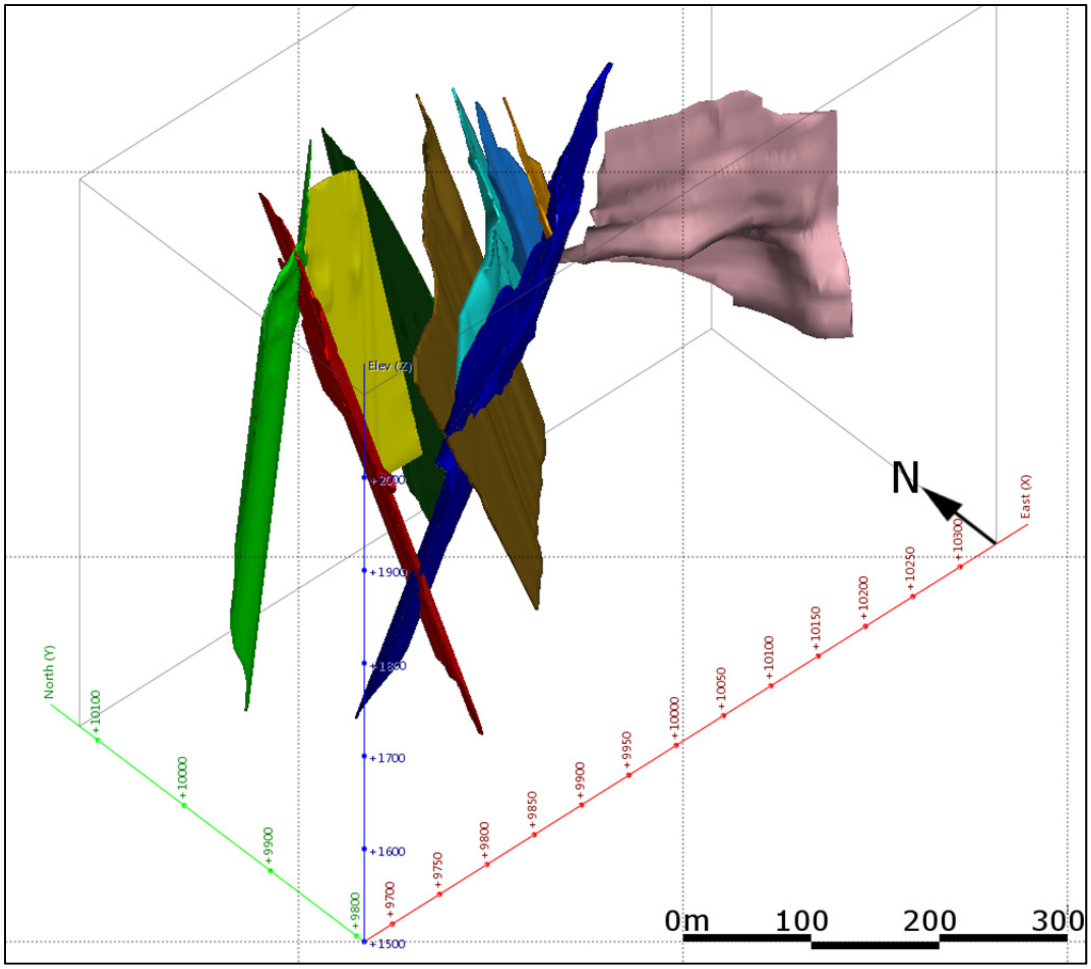


Figure 14-1 Promontorio Structures

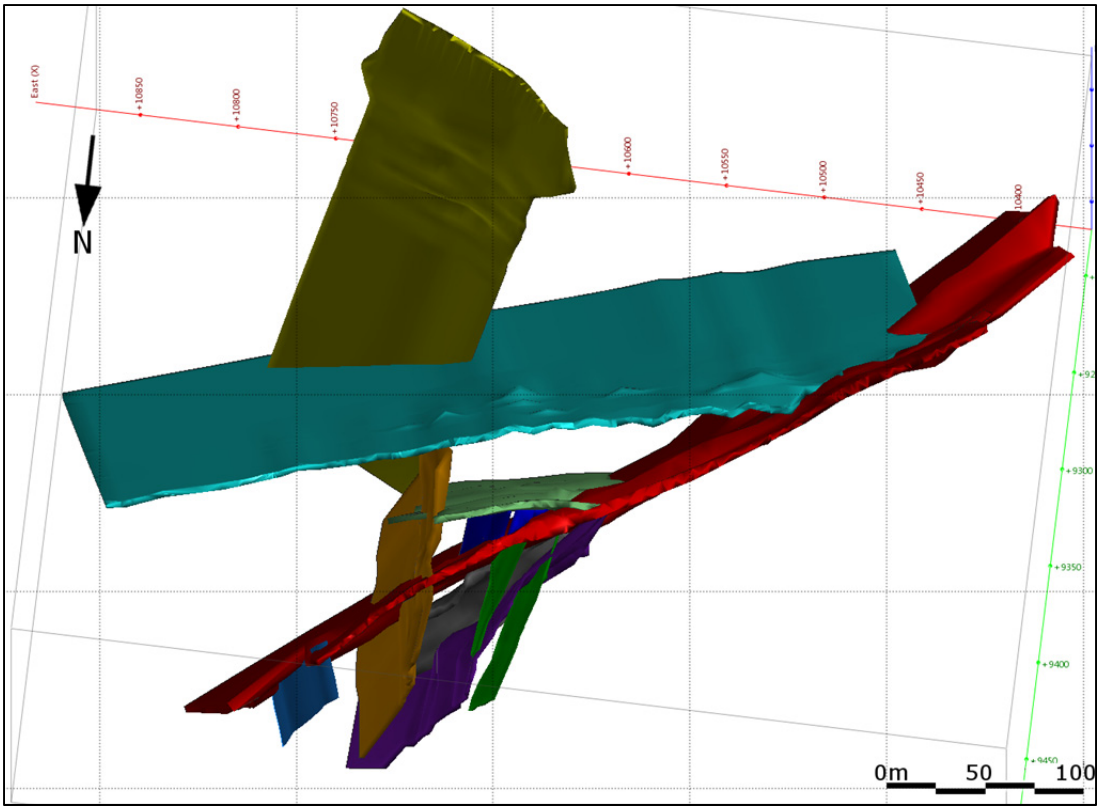


Figure 14-2 Santa Eduwiges Structures

The San Juan, La India, La Gloria, and Milagro resource areas fall into the second category mentioned above. They are more typical of epithermal vein deposits, displaying veins and related vein splays that are easily identified by their grade, which is elevated compared to the surrounding wall rock. The La India and La Gloria structures were modeled using drilling and underground sampling. La Gloria also had a number of surveyed surface chip channel samples. San Juan was defined from surface drilling and mapping only. The 3D modeled veins at San Juan are shown in Figure 14-3, those at La India in Figure 14-4, those at La Gloria in

Figure 14-5, and the Milagro structure in Figure 14-6.

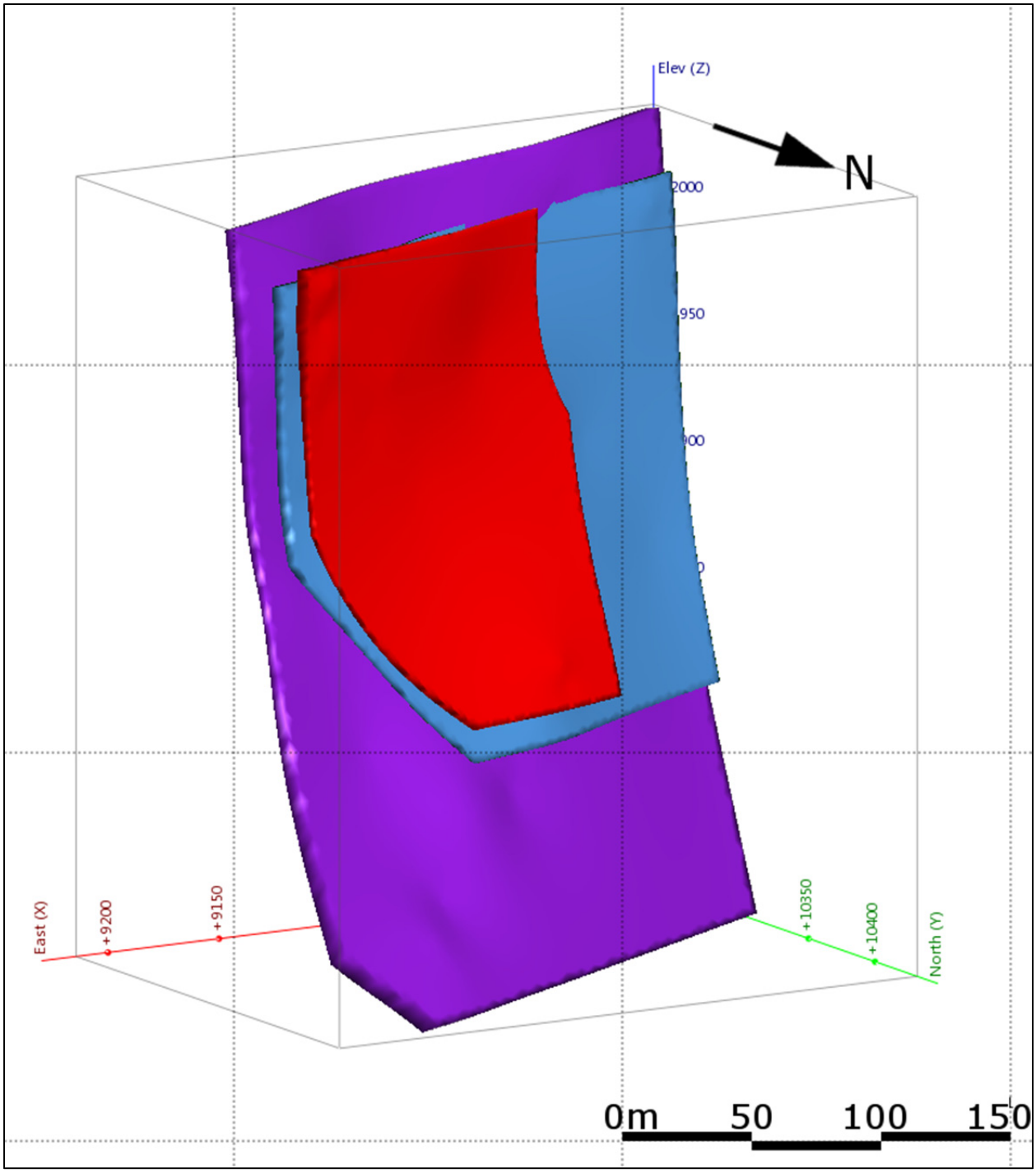


Figure 14-3 San Juan Vein Solids

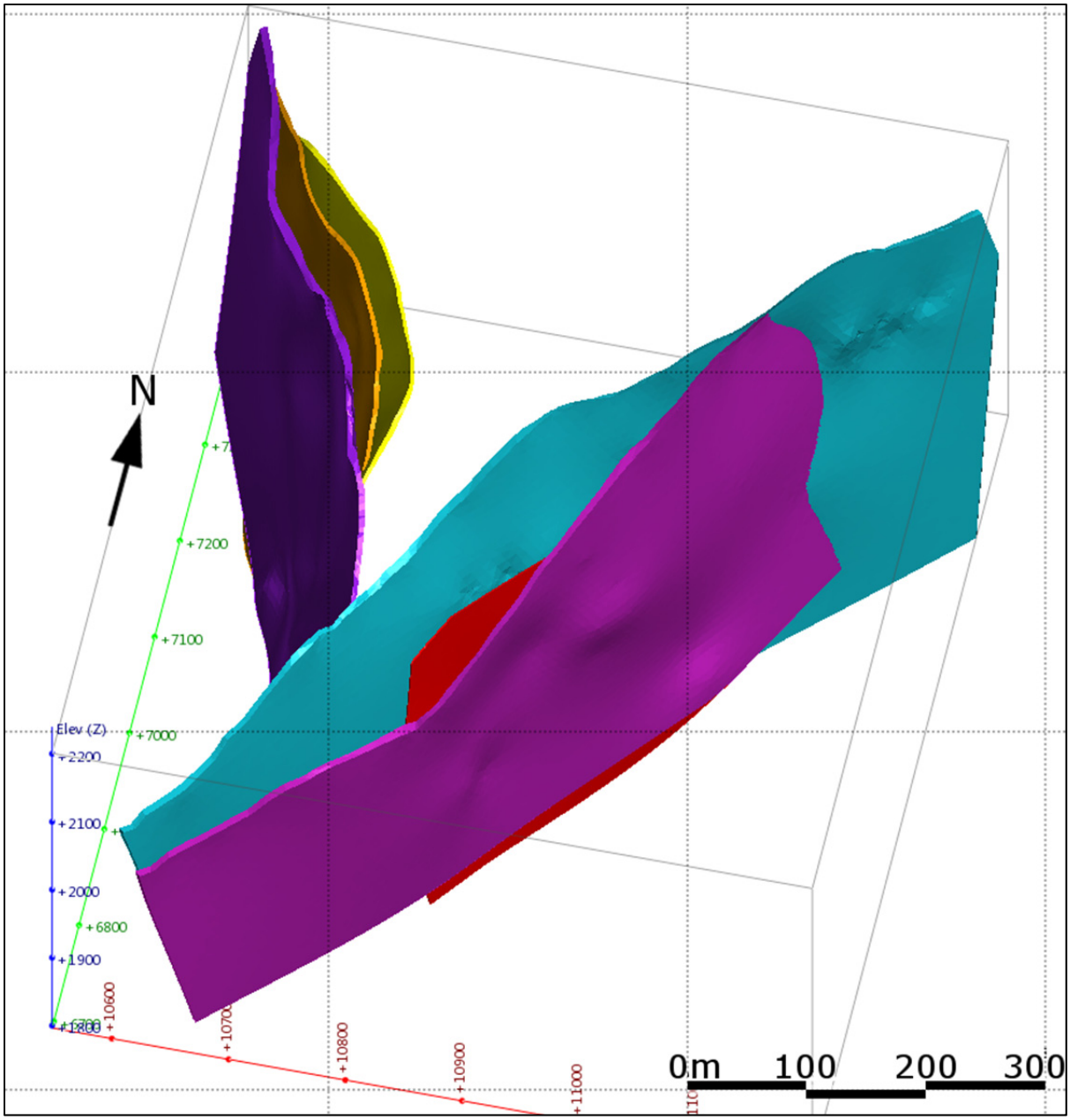


Figure 14-4 La India Vein Solids

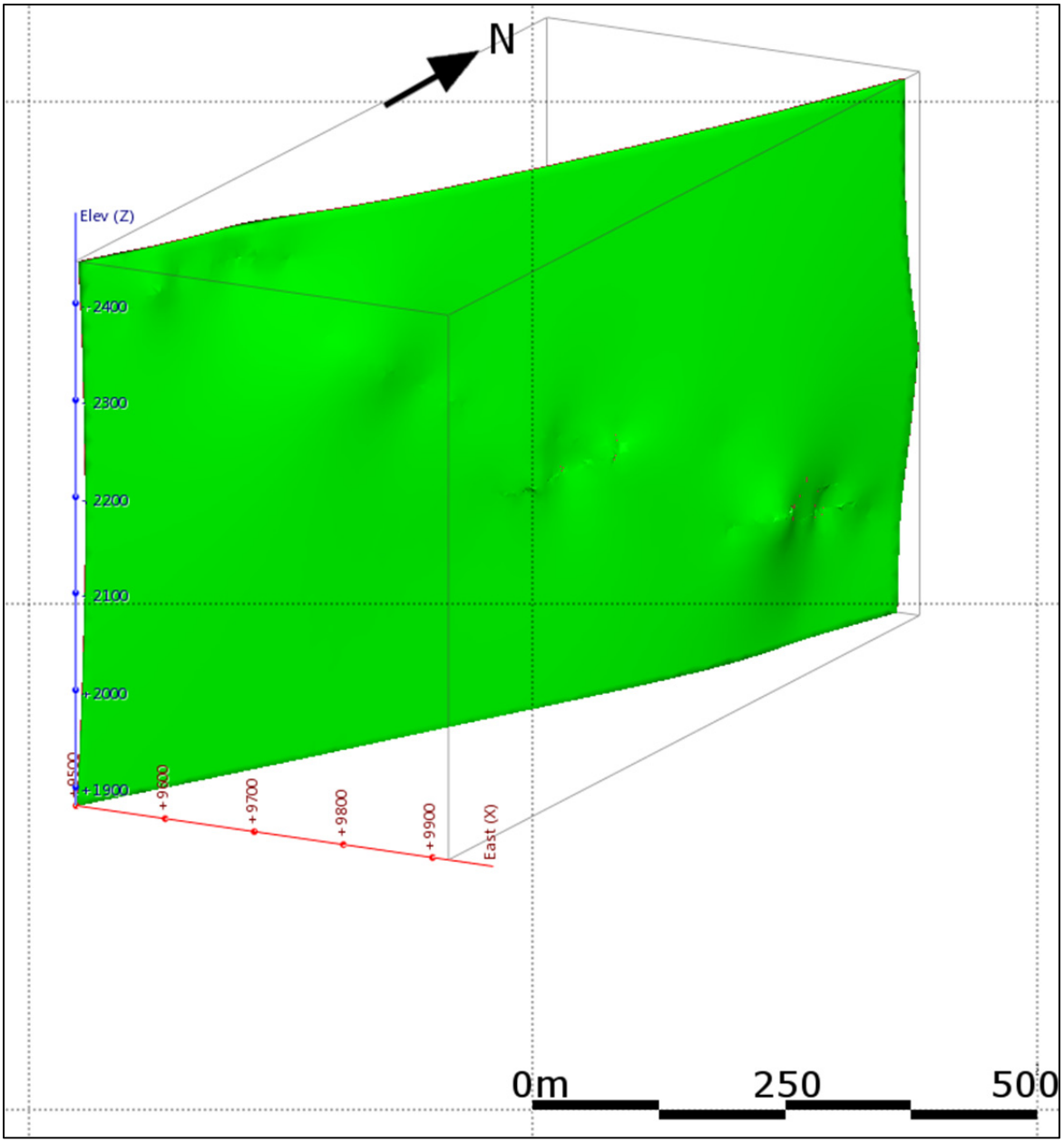


Figure 14-5 La Gloria Vein Solid

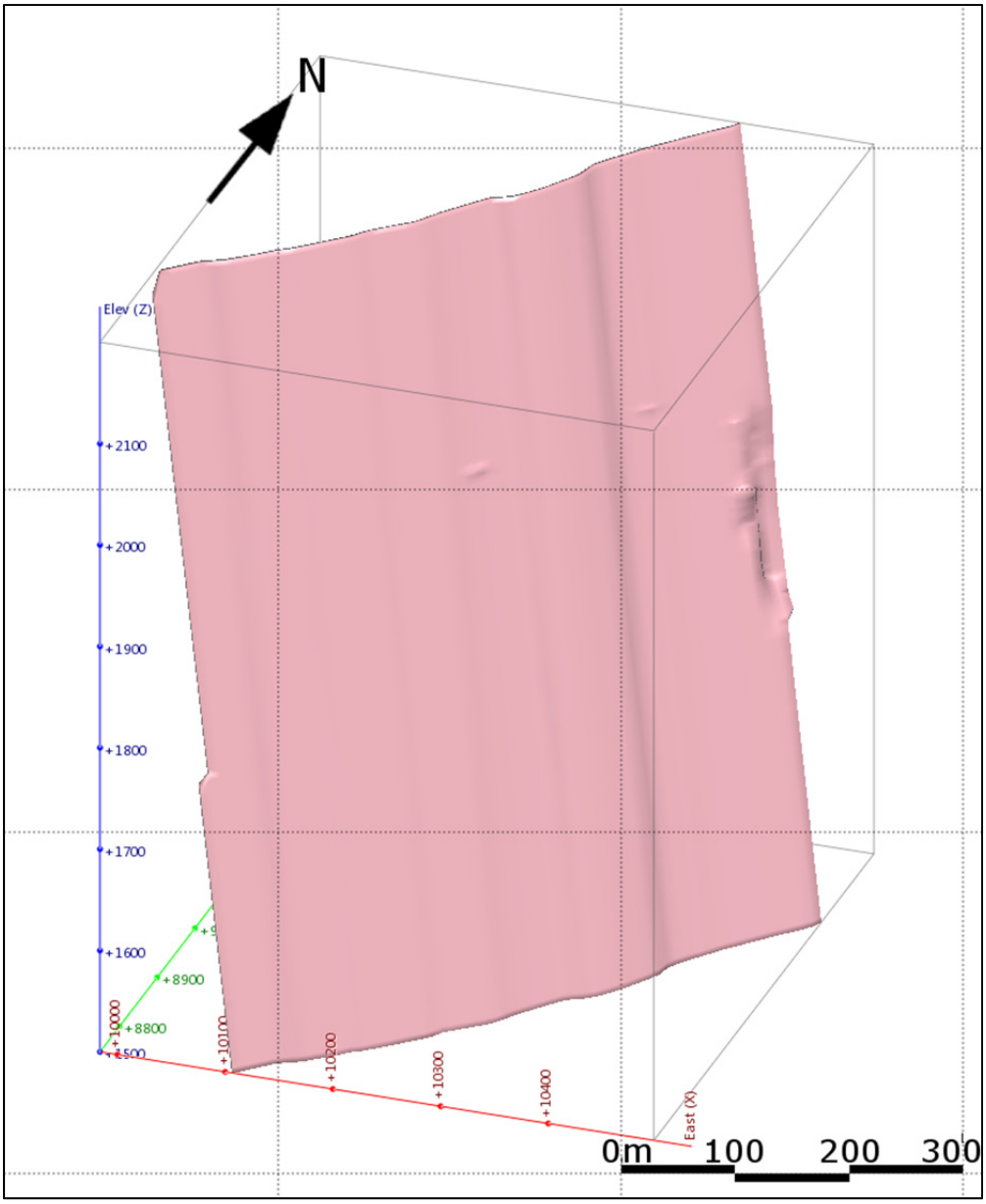


Figure 14-6 Milagro Vein Solid

The structure at San Nicolas is through-going and parallel to the NW-trending regional Cusi Fault. Mineralization along the San Nicolas structure is a mix of the two types mentioned above. Where intersections with NE trending structures occur, mineralization is complex. Between these intersections, mineralization behaves more as a discrete vein. Mineralization was modeled using grade shells, as it was at Promontorio and Santa Eduwiges, to account for the complexity at structural intersections; these grade shells were restricted anisotropically between complex areas to better mimic the discrete vein shape. A discrete model for the San Nicholas structure along its length is shown in Figure 14-7; this does not show the complexity seen at structural intersections.

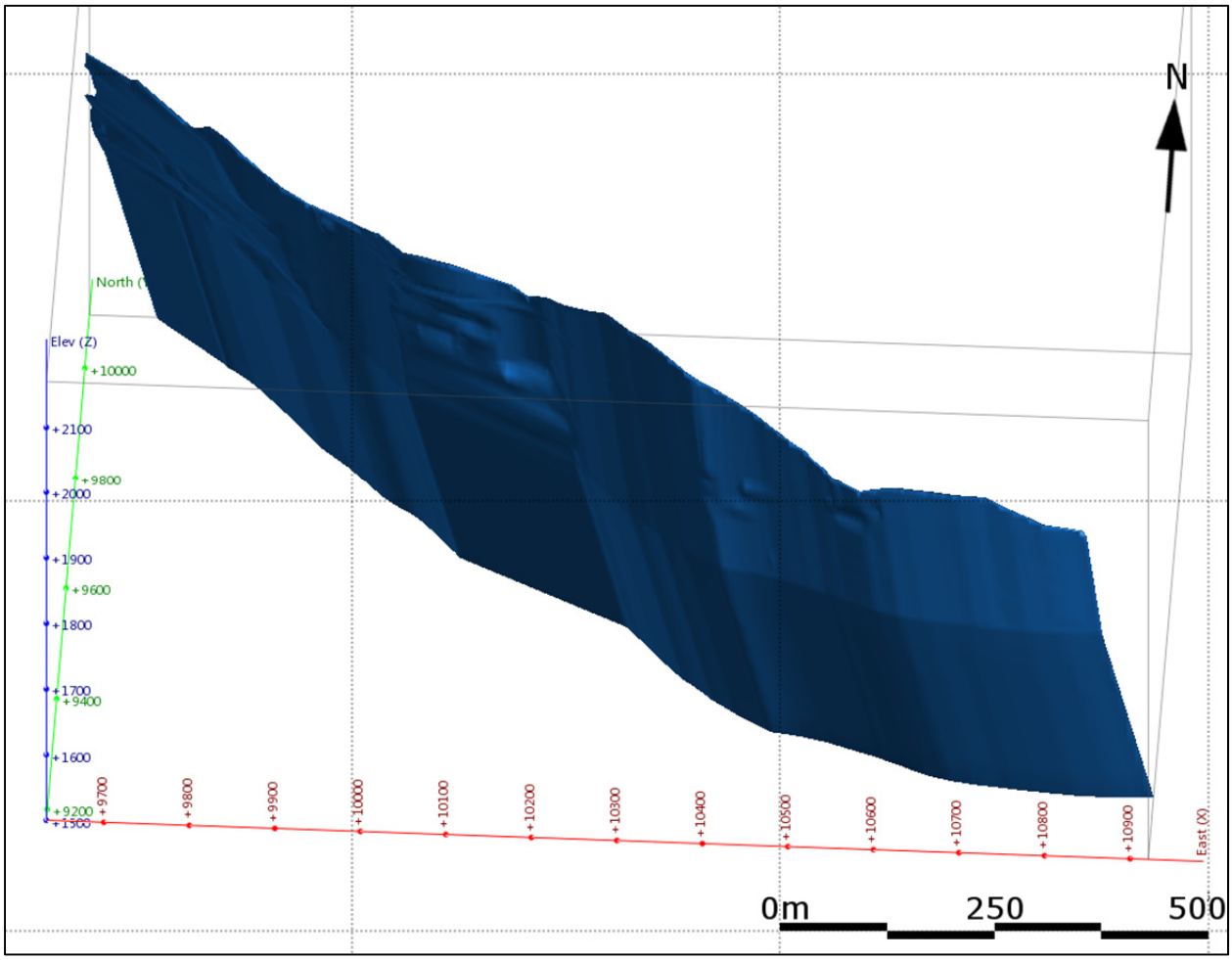


Figure 14-7 San Nicolas Structure Solid

14.2 Data Used for Grade Estimation

Gustavson created a 3D block model of the mineral resource based on current and historical data. The resource estimate is divided into seven areas: Promontorio, Santa Eduwiges, San Juan, La India, La Gloria, Milagro, and San Nicolas. Figure 14-8 shows the resource areas.

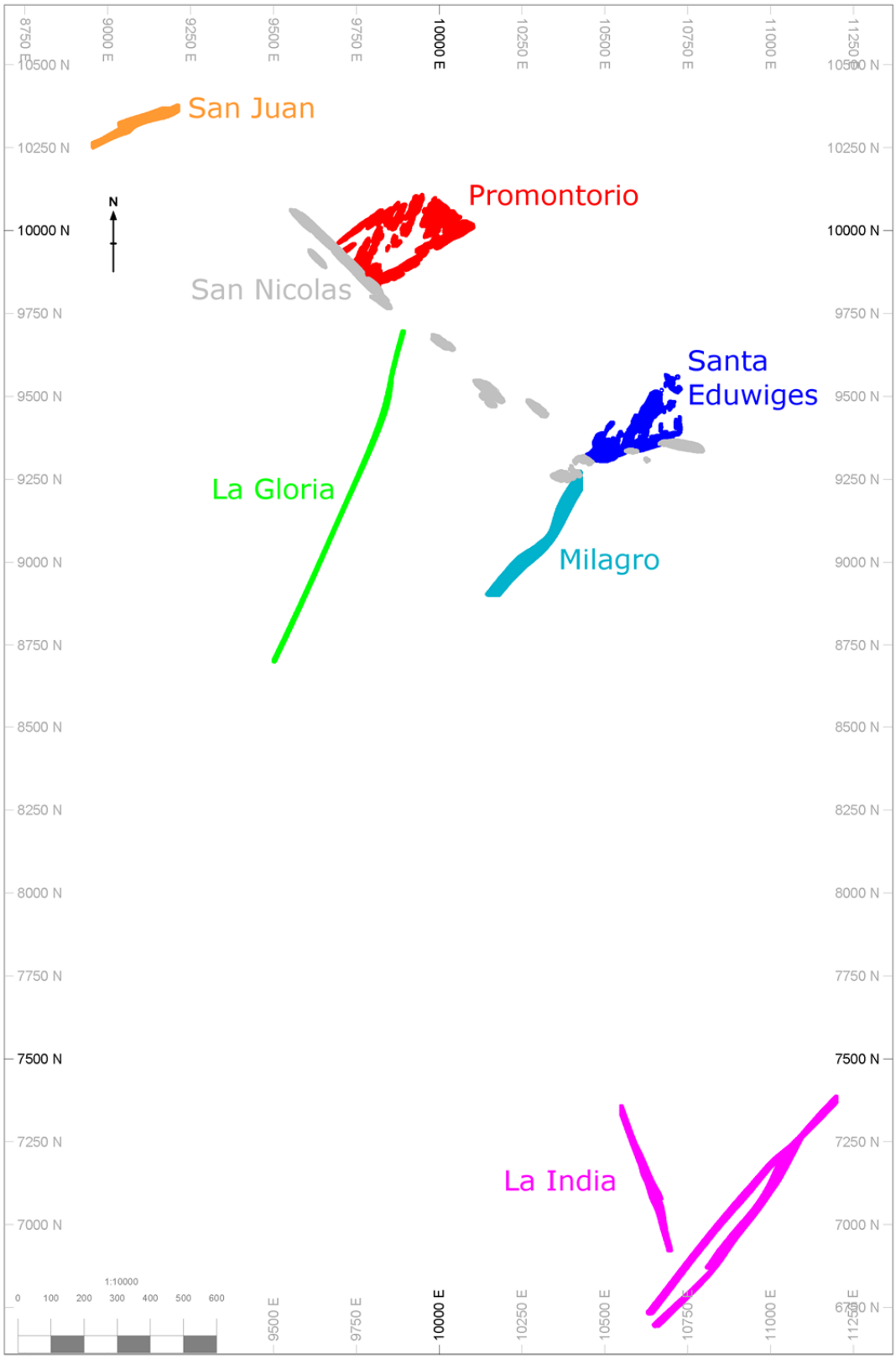


Figure 14-8 Resource Areas

The database contains 447 drillholes, and 508 underground and 84 surface channels with assay values for three metals of interest (silver, lead, zinc) that fall within the modeled domains of the seven resource areas (Table 14-1). See Section 12-5 for discussion of data selection for the resource areas. All drillholes are listed in Appendix B. Mine and surface samples are given in Appendix C. Some drillholes were not assayed for their entire down-hole length. In such cases, Gustavson made the conservative decision to assign non-assayed intervals a value of zero for all metals. This decision was based on historical practices of only assaying visibly mineralized intervals, and therefore the assumption that non-assayed intervals appeared non-mineralized. Figure 14-9 shows the location of the drillholes used in this estimate.

Table 14-1 Data Types by Resource Area

	Drill Holes	Underground Channels	Surface Channels
Promontorio	160	0	0
Santa Eduwiges	110	0	0
La India	38	214	0
La Gloria	15	151	51
Monaco	39	143	33
San Juan	39	0	0
San Nicolas	46	0	0

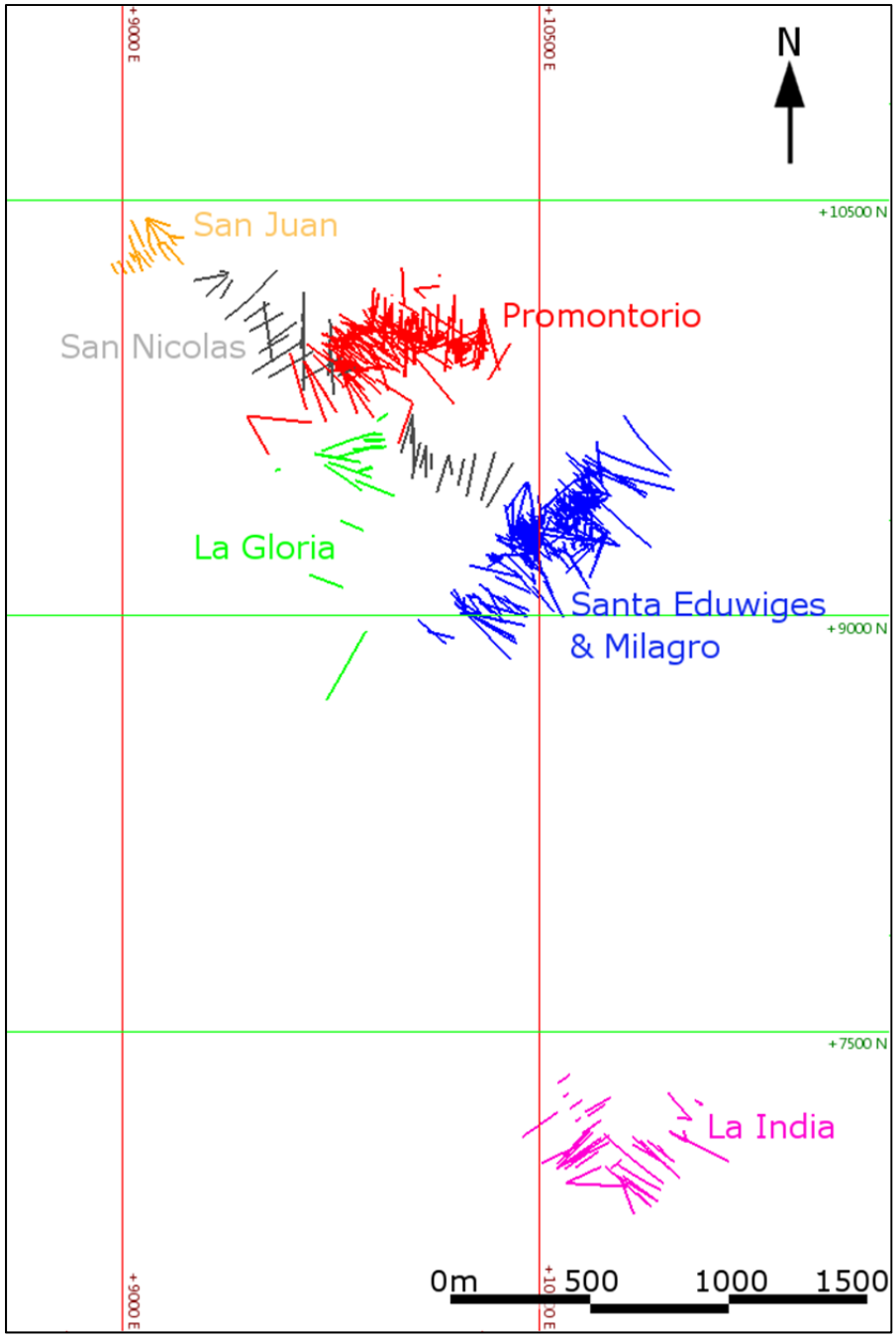


Figure 14-9 Drillhole Locations by Resource Area

14.3 Bulk Density

Sierra Metals has traditionally used a bulk density factor of 2.70 for the Cusi mine. These have been generally supported by comparisons between the mine and plant, although there is no formal review of these data.

For this study they have collected a small number of samples for density analysis. These samples were provided to Gustavson for analysis. The results are shown in Figure 14-10. The samples are normally distributed and the mean and median values are approximately 2.75. Gustavson has adjusted this to 2.70 to allow for effects of vugs and fractures. **Gustavson believes that the average value is sufficient for reporting indicated and inferred resources, however systematic in-situ bulk density analysis is recommended prior to mine planning or further studies.**

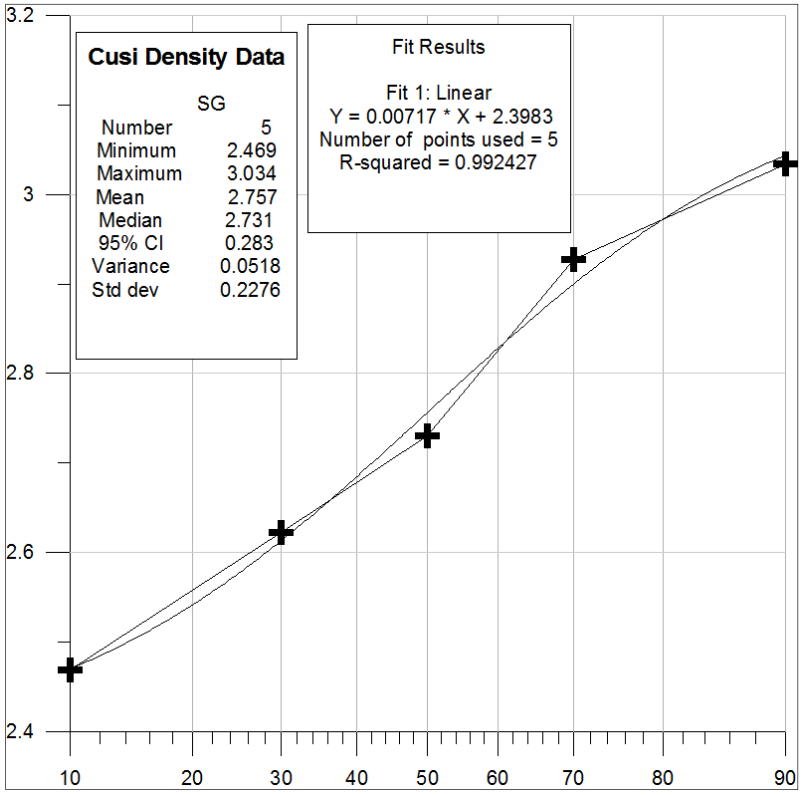


Figure 14-10 Cusi Bulk Density Analysis

14.4 Methodology

Gustavson constructed a 3D block model for each of the seven resource areas in Datamine Studio 3 modeling software. Structural, vein, and grade shell modeling was performed in Leapfrog 3D Mining software.

14.4.1 Block Model Parameters

All block models, except Santa Eduwiges, used blocks that are 5 meters along strike, 5 meters normal to the structure, and 5 meters high. Each of the blocks was assigned attributes of silver, gold, lead, and zinc grade; weighted rock density; and a zone code

that designates either individual veins or zones within a larger resource area. Gustavson did not rotate any of the block models, instead utilizing sub-blocking to account for narrow structures or structures with multiple orientations. Block model parameters are shown in Table 14-2.

Table 14-2 Block Model Parameters

Resource Area		Origin (Local Grid m)	Number of Blocks	Block Size (m)	Sub-blocks	Minimum Block Size (m)
Promontorio	X	9600	165	5	5	1
	Y	9750	95	5	5	1
	Z	1450	135	5	5	1
Santa Eduwiges	X	9875	257	4	5	0.8
	Y	8800	180	5	5	1
	Z	1450	180	5	5	1
La India	X	10450	170	5	5	1
	Y	6600	190	5	5	1
	Z	1600	140	5	5	1
San Juan	X	8850	95	5	5	1
	Y	10130	80	5	5	1
	Z	1625	100	5	5	1
La Gloria	X	9390	130	5	5	1
	Y	8590	245	5	5	1
	Z	1780	150	5	5	1
Monaco	X	9875	257	4	5	0.8
	Y	8800	180	5	5	1
	Z	1450	180	5	5	1
San Nicolas	X	9445	306	5	5	1
	Y	9050	225	5	5	1
	Z	1400	200	5	5	1

14.4.2 Modeling Methodology

Promontorio, Santa Eduwiges, and San Nicolas are very structurally complex areas (or partly so, as mentioned for San Nicolas). Mineralization is controlled by multiple structural features and occurs from micro-veinlets to meters wide veins, with some portion of mineralization also occurring as a more “disseminated” or stockwork style in the wall rock. Drilling and underground mapping have defined some of the major structures, but the intensely structurally deformed nature of these resource areas, along with an extremely complex drill pattern and the lack of downhole survey control makes modeling all of the mineralized zones as discrete structures very difficult. However, no mineralization has been observed in the hanging wall of the Cusi fault in the

Promontorio area, so the fault surface was included as a hard boundary for the resource estimate. No blocks in the Promontorio block model were estimated above the modeled plane of the Cusi fault.

Gustavson used Leapfrog software to construct implicit indicator shells to constrain estimation of high grade samples within the Promontorio, Santa Eduwiges, and San Nicolas resource areas. This method will appropriately control the volumes, however development drilling is recommended prior to mine production to confirm local grade distributions.

First, each deposit area was subdivided into domains within which a dominant structural trend or set of subparallel trends is observed to control mineralization. Within each domain, structural planes or surfaces were modeled which correspond to the primary interpreted orientation of the mineralized structures.

Indicator shells were created using all drillhole sampling data within each domain. Shells were interpolated based on indicator values using a threshold of 50 g/t silver, as that value represents significant mineralization, but is also well below the anticipated cutoff grade for the deposit. Assay values above 50 g/t silver were assigned an indicator value of 1, and those below a 0. Indicator shells were then interpolated at several thresholds between 0 and 1. An interpolation threshold of 0.2 resulted in a model that followed the main known structures, but accommodated the more “disseminated” style of mineralization at structural intersections. Indicator shell interpolation was guided using the structural trends of all mapped structures in the Promontorio (Figure 14-11), Santa Eduwiges (

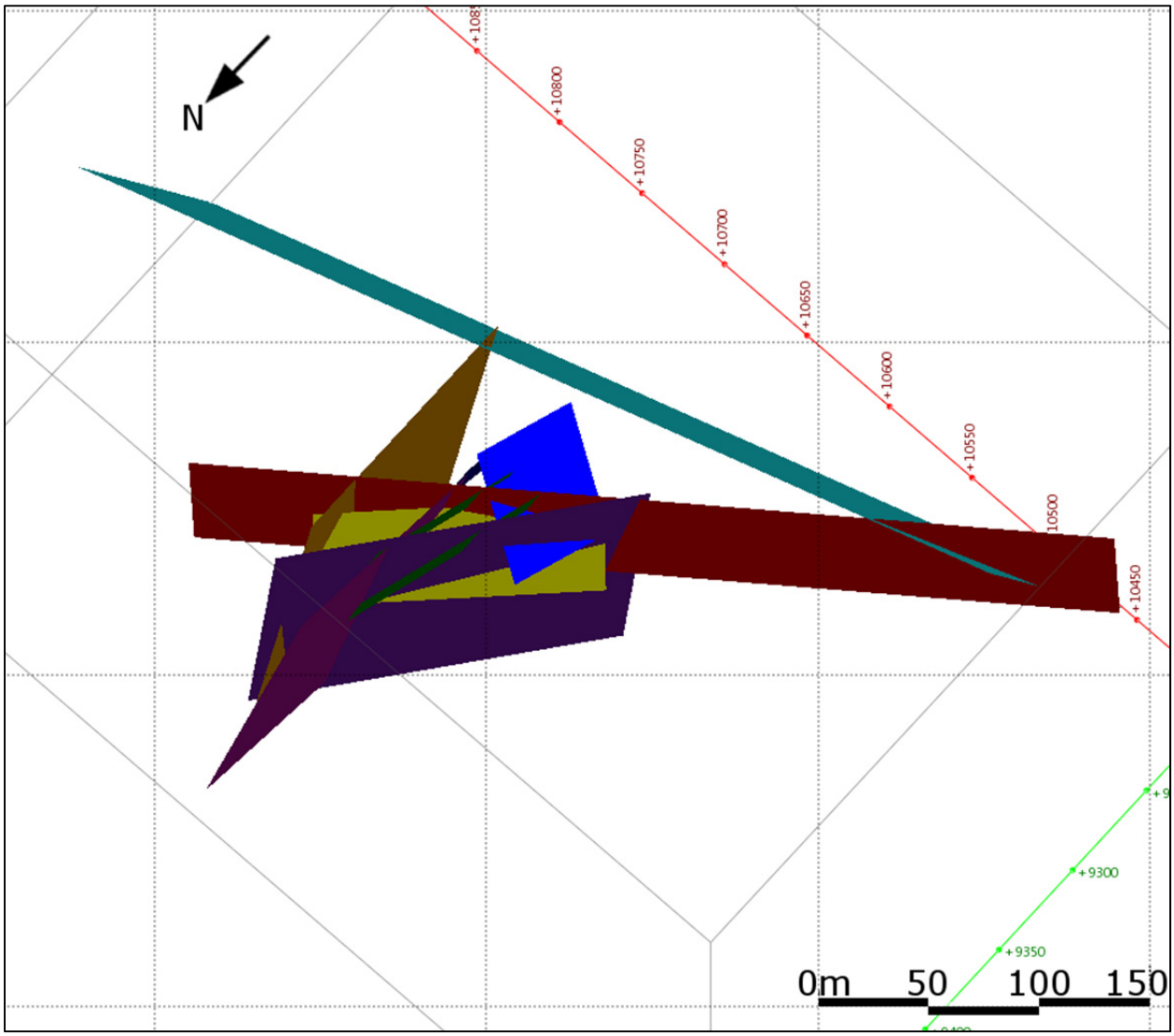


Figure 14-12), and San Nicolas (Figure 14-13) areas. Leapfrog is able to use the modeled meshes of all the veins and/or structures in each area to guide the highly anisotropic (20:20:1) search ellipse for indicator shell interpolation. The anisotropy was allowed to decay with distance from the structure, so that volumes adjacent to the structure show more anisotropy than volumes farther away.

Indicator shells for each domain were exported from Leapfrog to Datamine. Composites and blocks were coded with zone numbers by domain. The zone code was used to limit composite selections so that a block was only estimated using composites within a matching zone code.

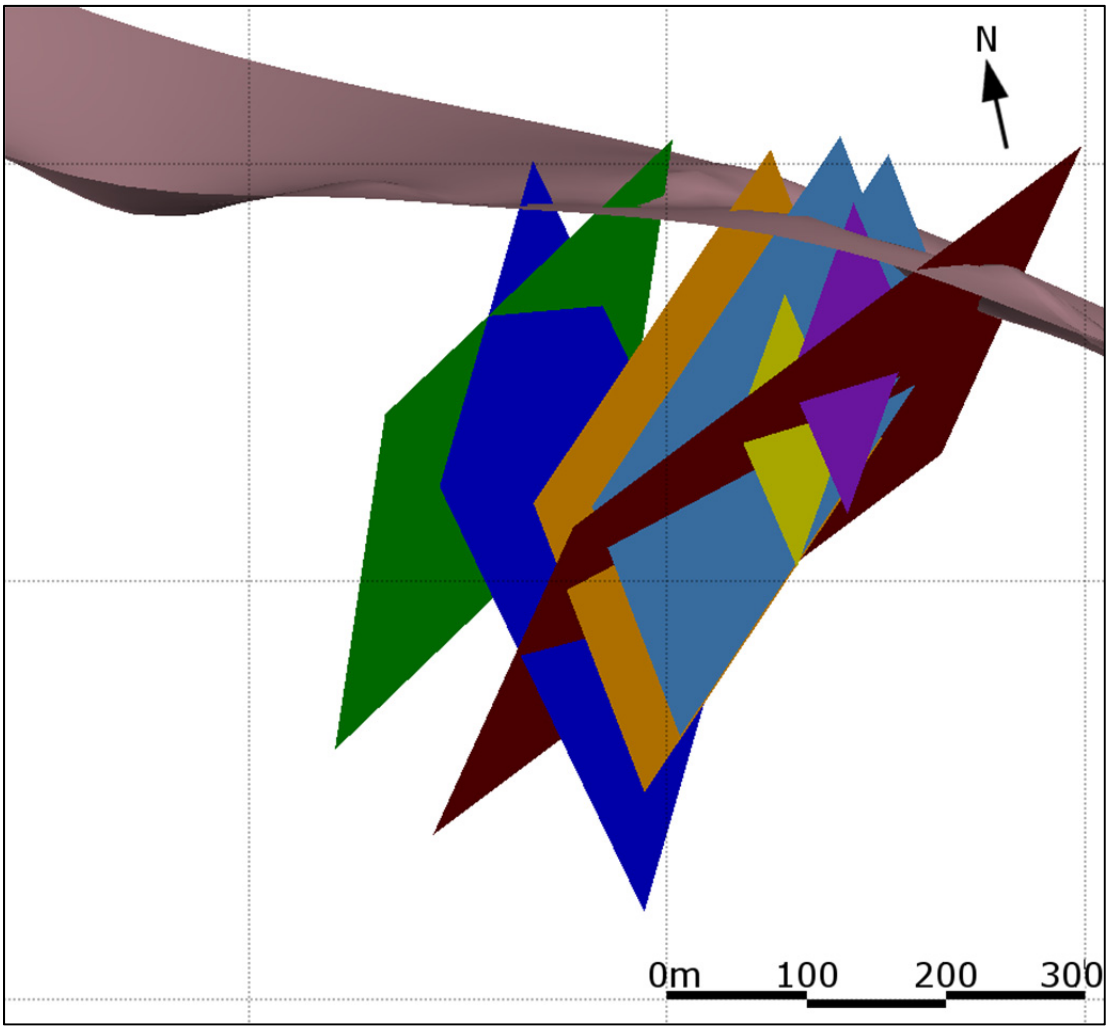


Figure 14-11 Structural Trends in Promontorio

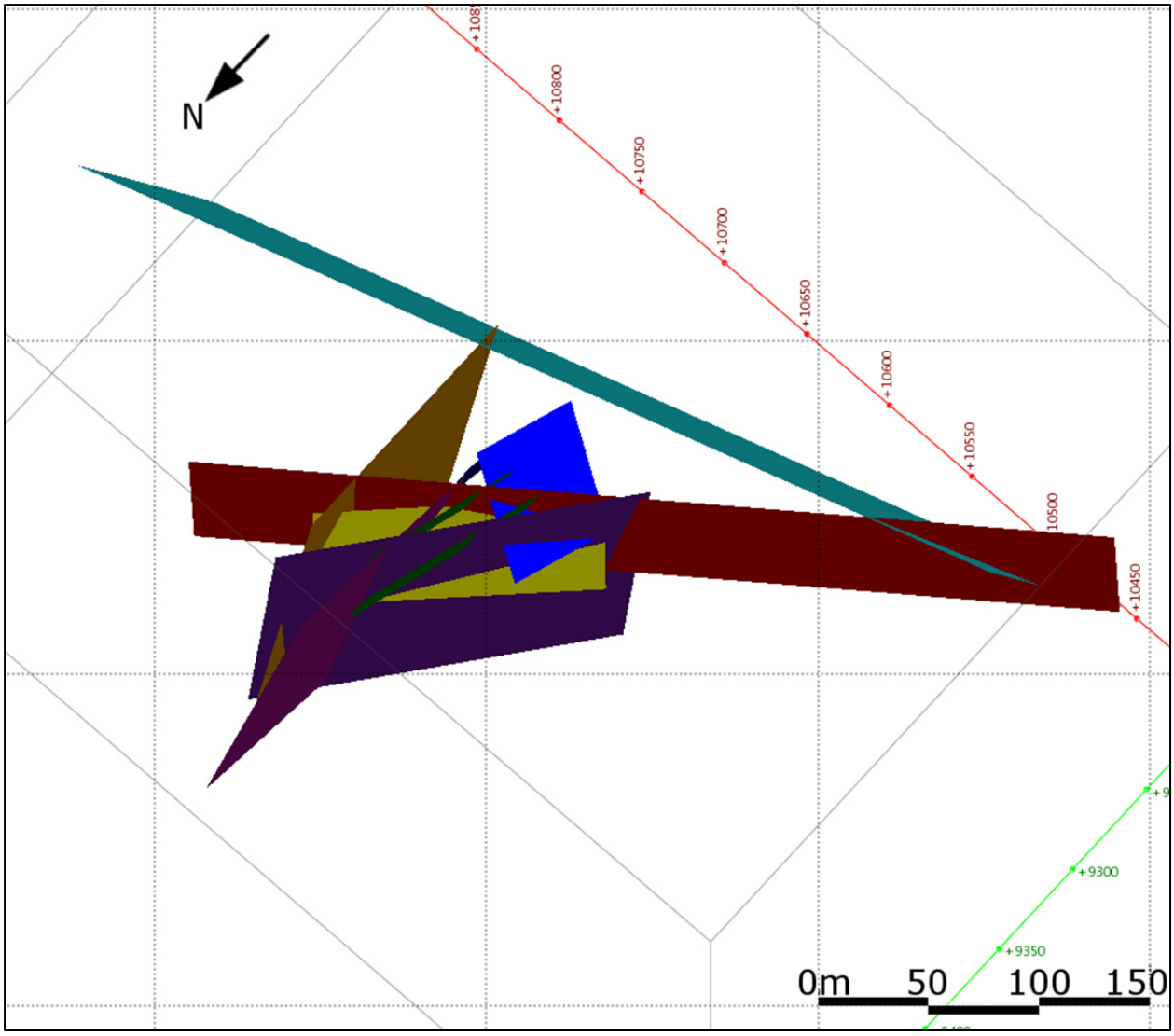


Figure 14-12 Structural Trends in Santa Eduwiges

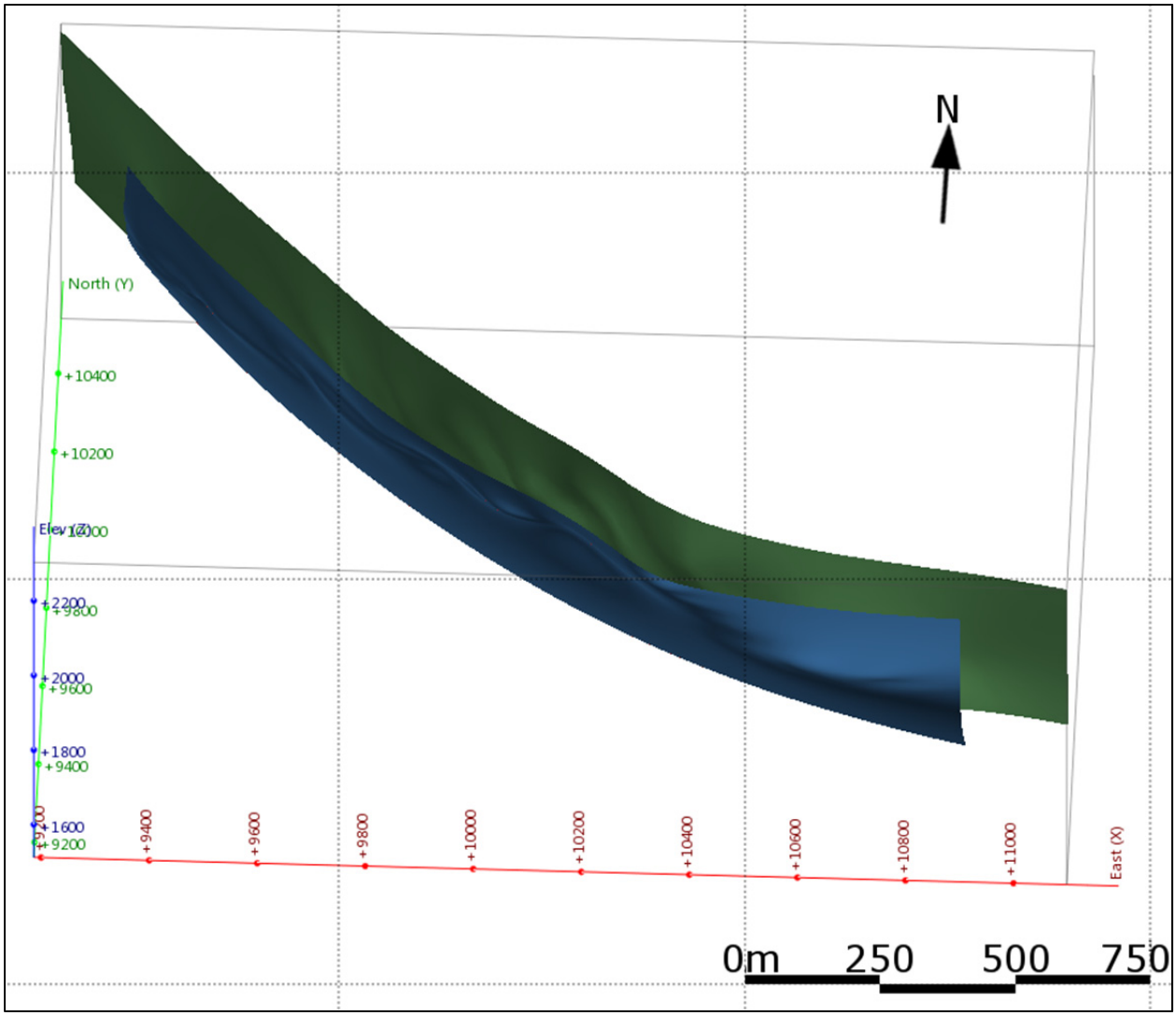


Figure 14-13 Structural Trends in San Nicolas

The La India, La Gloria, Milagro, and San Juan resource areas are more traditional epithermal vein structures. These areas were modeled as discrete veins based on grade intervals within drill holes and underground and surface sampling, as well as surface structural mapping. Composites were coded using the 3D vein solids as either in vein or out of vein, and were also tagged with a zone code in resource areas with multiple veins.

A statistical summary of the raw drill hole, underground, and surface samples by resource area is presented in Table 14-3.

Table 14-3 Sample Assay Statistics

Resource Area	Metal	Number Samples	Min	Max	Mean	Standard Deviation	Variance
Promontorio	Ag (g/t)	3098	0	10000	123.49	406.7	165400
	Au (g/t)	3098	0	4.19	0.0353	0.1593	0.0254
	Pb (%)	3098	0	15.569	0.1858	0.6121	0.3747
	Zn (%)	3098	0	11.8	0.2324	0.6627	0.4392
Santa Eduwiges	Ag (g/t)	1376	0	6070	108.7362	359.2	129000
	Au (g/t)	1376	0	7.1	0.0452	0.3662	0.1341
	Pb (%)	1376	0	29.589	0.4545	1.877	3.525
	Zn (%)	1376	0	24.6	0.4042	1.463	2.104
San Nicolas	Ag (g/t)	412	0	3460	85.9825	212.2	45020
	Au (g/t)	412	0	5.21	0.0594	0.2989	0.08934
	Pb (%)	412	0	20	0.4564	1.647	2.713
	Zn (%)	412	0	24.1	0.8383	2.628	6.907
La India	Ag (g/t)	1153	0	35442	97.3634	1066	1137000
	Au (g/t)	1153	0	5.4	0.0341	0.2185	0.04775
	Pb (%)	1153	0	2.65	0.0738	0.1608	0.02585
	Zn (%)	1153	0	2.75	0.1523	0.2014	0.0458
La Gloria	Ag (g/t)	539	0	2588	80.9446	217.1	47130
	Au (g/t)	539	0	15	0.1357	0.8102	0.6565
	Pb (%)	539	0	2.506	0.0757	0.1599	0.02557
	Zn (%)	539	0	1.996	0.04	0.09523	0.009069
Milagro	Ag (g/t)	799	0	7313.8	117.947	430.7	185500
	Au (g/t)	799	0	39.4	0.5223	2.574	6.625
	Pb (%)	799	0	14.25	0.6947	1.399	1.958
	Zn (%)	799	0	31.363	1.1155	2.333	5.443
San Juan	Ag (g/t)	340	0	1845	62.0071	155.5	24190
	Au (g/t)	340	0	0.254	0.0073	0.0285	0.000812
	Pb (%)	340	0	2.01	0.0522	0.1566	0.02452
	Zn (%)	340	0	1.905	0.0777	0.1633	0.02666

14.4.3 Estimation Methodology

Gustavson utilized Ordinary Kriging (OK) in all resource areas. This estimation type was chosen to help decluster the dense drill data the resource areas. Composites from within one zone code were not allowed to be used to estimate any other zone code. Search ellipse distances were determined through analysis of omnidirectional and directional variograms. Blocks outside indicator shells or vein solids were not estimated. Gustavson utilized oriented anisotropic search ellipses based on structural trends within each zone code or vein area.

14.5 Compositing

Drillhole assays were normalized by compositing at 1 m down-hole interval based on the results of a composite study. A relatively short composite interval was selected to allow for high local grade variability, and to approximate the sample widths used for ore control. Composites were created within zone code solids. The number of composite samples has increased from the number of drillhole samples in some areas. This is because long intervals of non-assayed material listed in the drillholes were broken into smaller, composite length intervals. Statistics for the composited samples are presented in Table 14-4.

Table 14-4 Composite Assay Statistics

Resource Area	Metal	Number Samples	Min	Max	Mean	Standard Deviation	Variance
Promontorio	Ag (g/t)	3595	0	9086	104.0505	331.8	110100
	Au (g/t)	3595	0	2.776	0.0245	0.1008	0.01016
	Pb (%)	3595	0	7.2245	0.1373	0.3701	0.137
	Zn (%)	3595	0	9.79	0.1761	0.4599	0.2115
Santa Eduwiges	Ag (g/t)	2073	0	3820	83.0068	290.9	84640
	Au (g/t)	2073	0	3.5512	0.019	0.1517	0.023
	Pb (%)	2073	0	18.55	0.3178	1.279	1.637
	Zn (%)	2073	0	20.3	0.3056	1.187	1.408
San Nicolas	Ag (g/t)	567	0	1727.415	70.6947	125.5	15750
	Au (g/t)	567	0	2.6972	0.0378	0.1676	0.02809
	Pb (%)	567	0	14.9081	0.3174	0.9011	0.8119
	Zn (%)	567	0	20.5	0.5671	1.736	3.012
La India	Ag (g/t)	1027	0	14385.8	70.825	466.7	217800
	Au (g/t)	1027	0	1.5429	0.027	0.1166	0.0136
	Pb (%)	1027	0	1.3974	0.0621	0.1085	0.01177
	Zn (%)	1027	0	2.1962	0.1348	0.1703	0.029
La Gloria	Ag (g/t)	431	0	1199.977	63.5361	143.7	20650
	Au (g/t)	431	0	15	0.1223	0.8308	0.6903
	Pb (%)	431	0	2.506	0.0739	0.1691	0.02859
	Zn (%)	431	0	1.996	0.0409	0.1132	0.01281
Milagro	Ag (g/t)	670	0	4327.977	86.3225	283.3	80280
	Au (g/t)	670	0	22.7308	0.3331	1.471	2.164
	Pb (%)	670	0	12.7	0.5651	1.212	1.469
	Zn (%)	670	0	11.6051	0.834	1.583	2.505
San Juan	Ag (g/t)	694	0	1240	44.152	121.2	14680
	Au (g/t)	694	0	0.2381	0.0045	0.0252	0.000421
	Pb (%)	694	0	2.01	0.0333	0.11	0.0121
	Zn (%)	694	0	0.8341	0.047	0.0859	0.007379

14.6 Capping of Assays

Gustavson created cumulative frequency plots for silver, gold, lead, and zinc in the composited drillhole data by resource area. Cumulative frequency plots for composited data were analyzed and capping values were determined from breaks in the continuity of data. The capping values for metals by resource are listed in Table 14-5. The cumulative frequency plot for all data is shown in Figure 14-14, 14-15, and 14-16. Statistics for the capped silver composites are given in Table 14-4.

Table 14-5 Capping Values

Area	Metal	Cap Value
Promontorio	Ag (g/t)	3000
	Au (g/t)	1.5
	Pb (%)	4
	Zn (%)	5
Santa Eduwiges	Ag (g/t)	3000
	Au (g/t)	2
	Pb (%)	8
	Zn (%)	8
San Nicolas	Ag (g/t)	1500
	Au (g/t)	1
	Pb (%)	4
	Zn (%)	2
La India	Ag (g/t)	1000
	Au (g/t)	1
	Pb (%)	4
	Zn (%)	2
La Gloria	Ag (g/t)	500
	Au (g/t)	1
	Pb (%)	4
	Zn (%)	2
Milagro	Ag (g/t)	3000
	Au (g/t)	8
	Pb (%)	5
	Zn (%)	8
San Juan	Ag (g/t)	700
	Au (g/t)	1
	Pb (%)	4
	Zn (%)	2

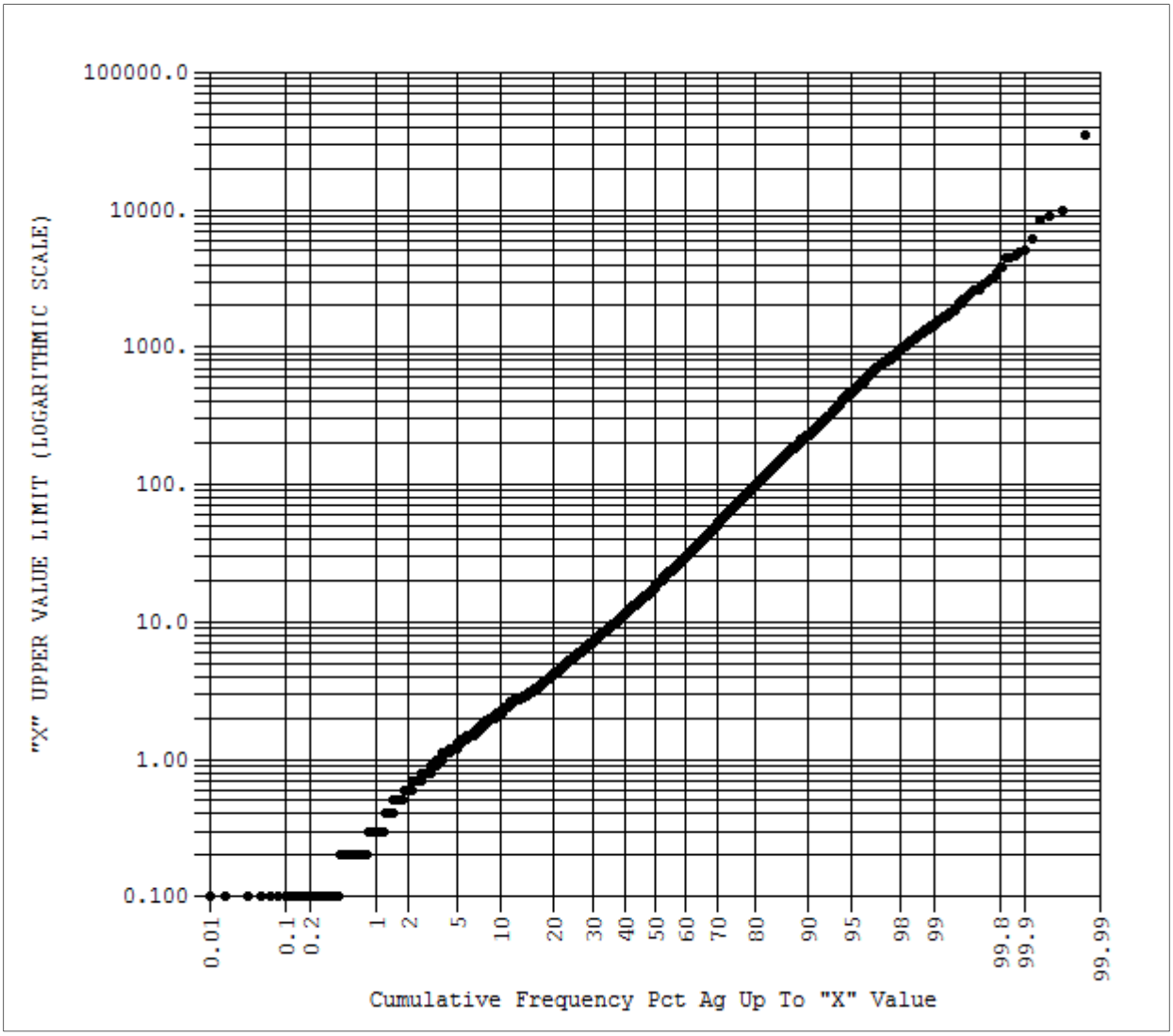


Figure 14-14 CFP Silver Composite Data (gpt)

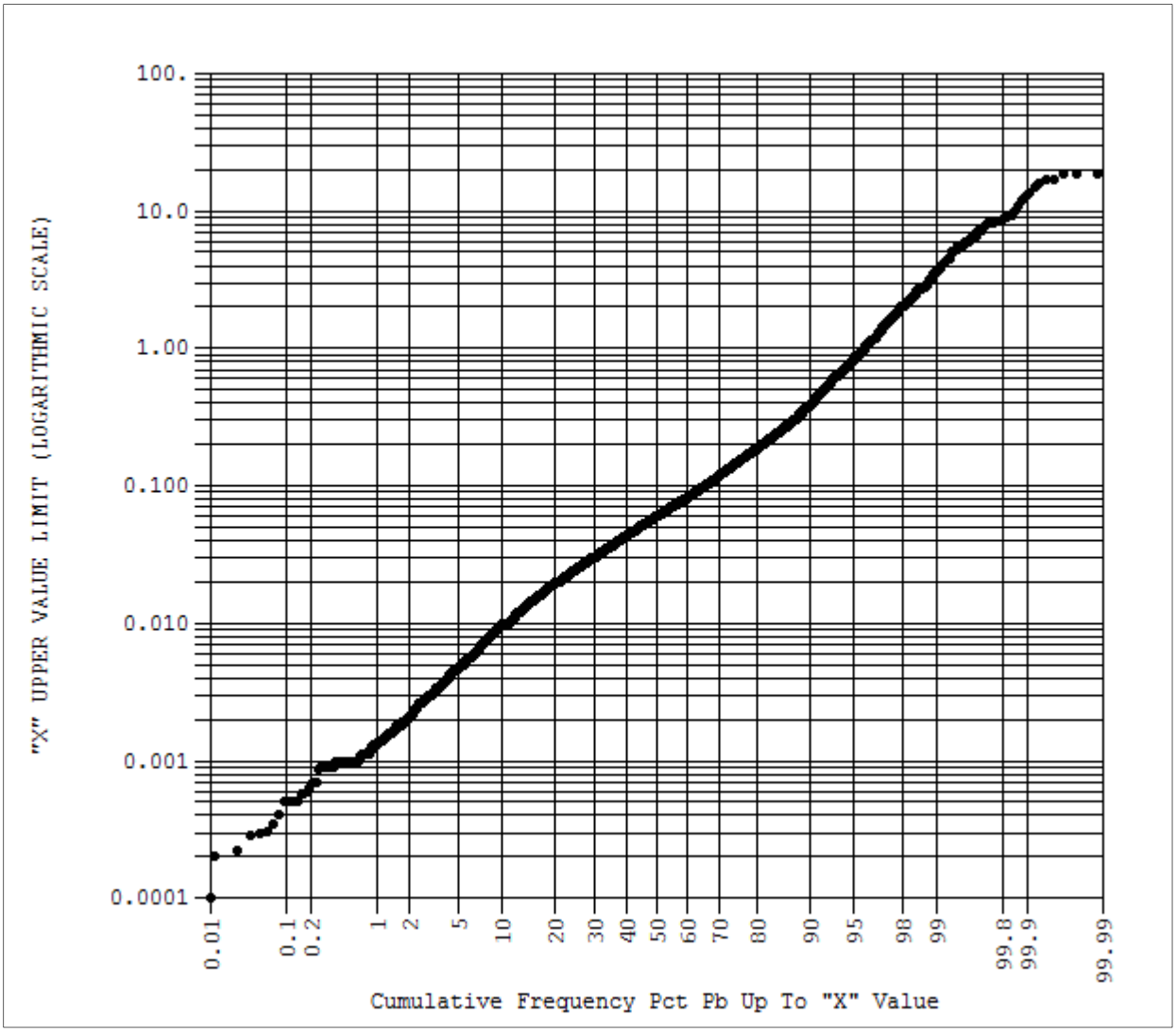


Figure 14-15 CFP of Pb composite data (%Pb)

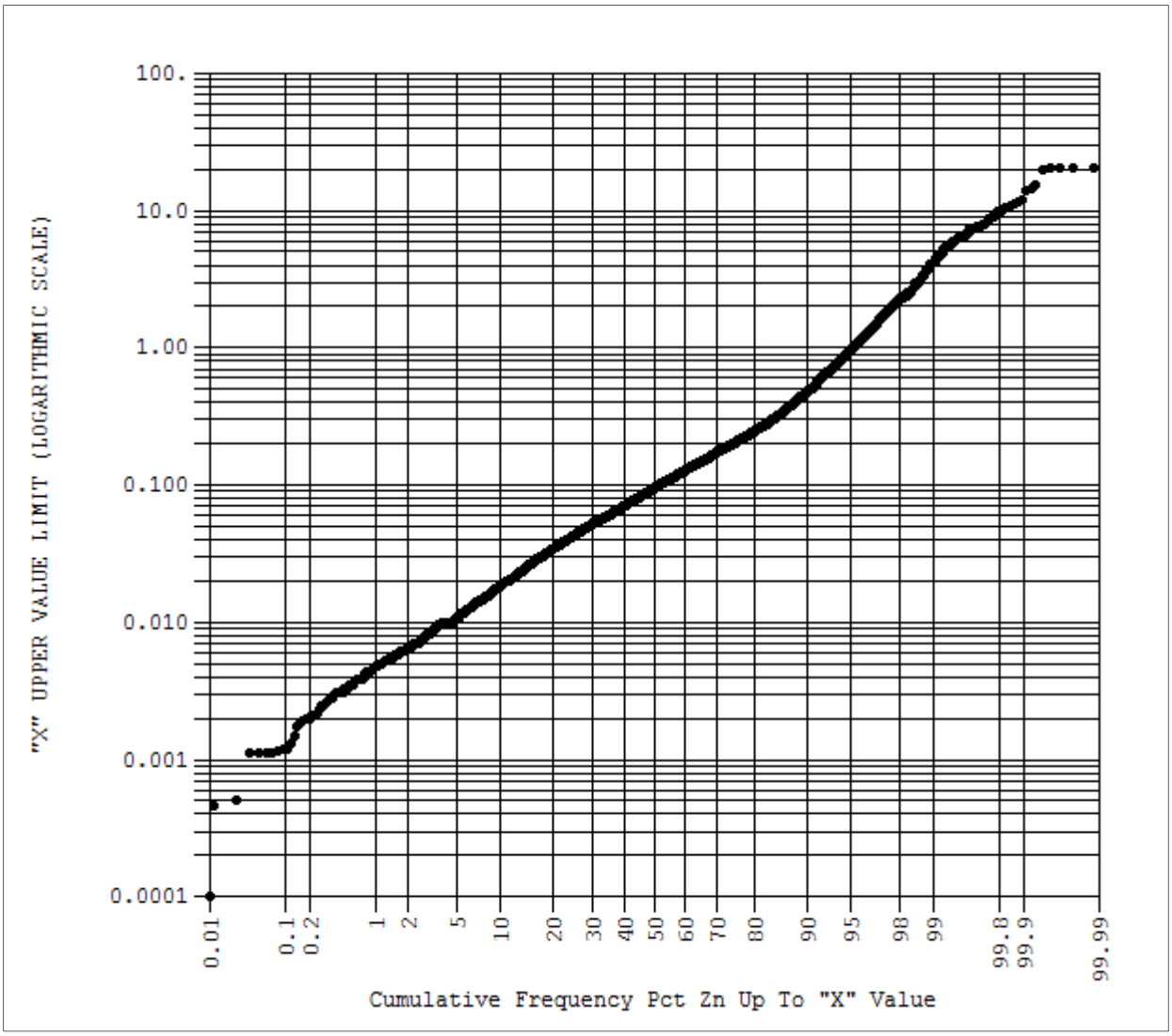


Figure 14-16 CFP of Zn Composite Data (%Zn)

Table 14-6 Capped Composite Silver Assay Statistics

Resource Area	Metal	Number Samples	Min	Max	Mean	Standard Deviation	Variance
Promontorio	Ag (g/t)	3595	0	3000	98.8188	236.3	55820
	Au (g/t)	3595	0	1.5	0.024	0.09152	0.008376
	Pb (%)	3595	0	4	0.1343	0.3247	0.1054
	Zn (%)	3595	0	5	0.1709	0.3761	0.1414
Santa Eduwiges	Ag (g/t)	2073	0	3000	79.0445	250.3	62640
	Au (g/t)	2073	0	2	0.0176	0.1267	0.01605
	Pb (%)	2073	0	8	0.2868	0.9571	0.9161
	Zn (%)	2073	0	8	0.2754	0.8121	0.6595
San Nicolas	Ag (g/t)	567	0	1500	70.2936	120.5	14520
	Au (g/t)	567	0	1	0.0332	0.1131	0.01278
	Pb (%)	567	0	4	0.2897	6058	0.367
	Zn (%)	567	0	2	0.355	0.5382	0.2897
La India	Ag (g/t)	1027	0	1000	56.874	119.7	14320
	Au (g/t)	1027	0	1	0.0262	0.1076	0.01158
	Pb (%)	1027	0	1.3974	0.0621	0.1085	0.01177
	Zn (%)	1027	0	2	0.1346	0.168	0.02824
La Gloria	Ag (g/t)	431	0	500	56.3937	105.6	11150
	Au (g/t)	431	0	1	0.0638	0.2087	0.04355
	Pb (%)	431	0	2.506	0.0739	0.1691	0.02859
	Zn (%)	431	0	1.996	0.0409	0.1132	0.01281
Milagro	Ag (g/t)	670	0	3000	83.93899	252.3	63640
	Au (g/t)	670	0	8	0.297	1.1	1.211
	Pb (%)	670	0	5	0.5238	0.9477	0.8981
	Zn (%)	670	0	8	0.8221	1.519	2.307
San Juan	Ag (g/t)	694	0	700	40.706	91.7	8409
	Au (g/t)	694	0	0.2381	0.0045	0.0252	0.000421
	Pb (%)	694	0	2.01	0.0333	0.11	0.0121
	Zn (%)	694	0	0.8341	0.047	0.0859	0.007379

14.7 Variography

Gustavson conducted a geostatistical analysis of assay data within the each resource area. In the Promontorio and Santa Eduwiges areas, it was determined through omni-directional and directional variograms that the range was about 40 m. Variogram structure for Cusi is somewhat erratic, due to juxtaposition of multiple structural zones in the same area, complex drilling patterns, and because of the lack of good survey control

on sample locations. However, in spite of the generally poor structure, the variography is consistent with Gustavson's understanding that the system demonstrates a high level of continuity down dip and along strike, and much lower continuity across strike. Gustavson chose to use a 5:5:1 anisotropy (typically 40:40:8 meters, see Table 14-7) to reflect the relative continuity downdip and along structures relative to perpendicular to structure. Use of high estimation anisotropy has the effect of allowing block grades to propagate parallel to the structural domain, and limiting projection of block grades perpendicular to strike and dip. Gustavson chose to use ½, 1, and 2 variogram ranges for search ellipse axes in order to aid in resource classification. Figures 14-17 and 14-18 show omni-directional variograms for all sample data within Promontorio and Santa Eduwiges, respectively. Figure 14-19 shows omni-directional variogram for Promontorio data within the implicit wireframes.

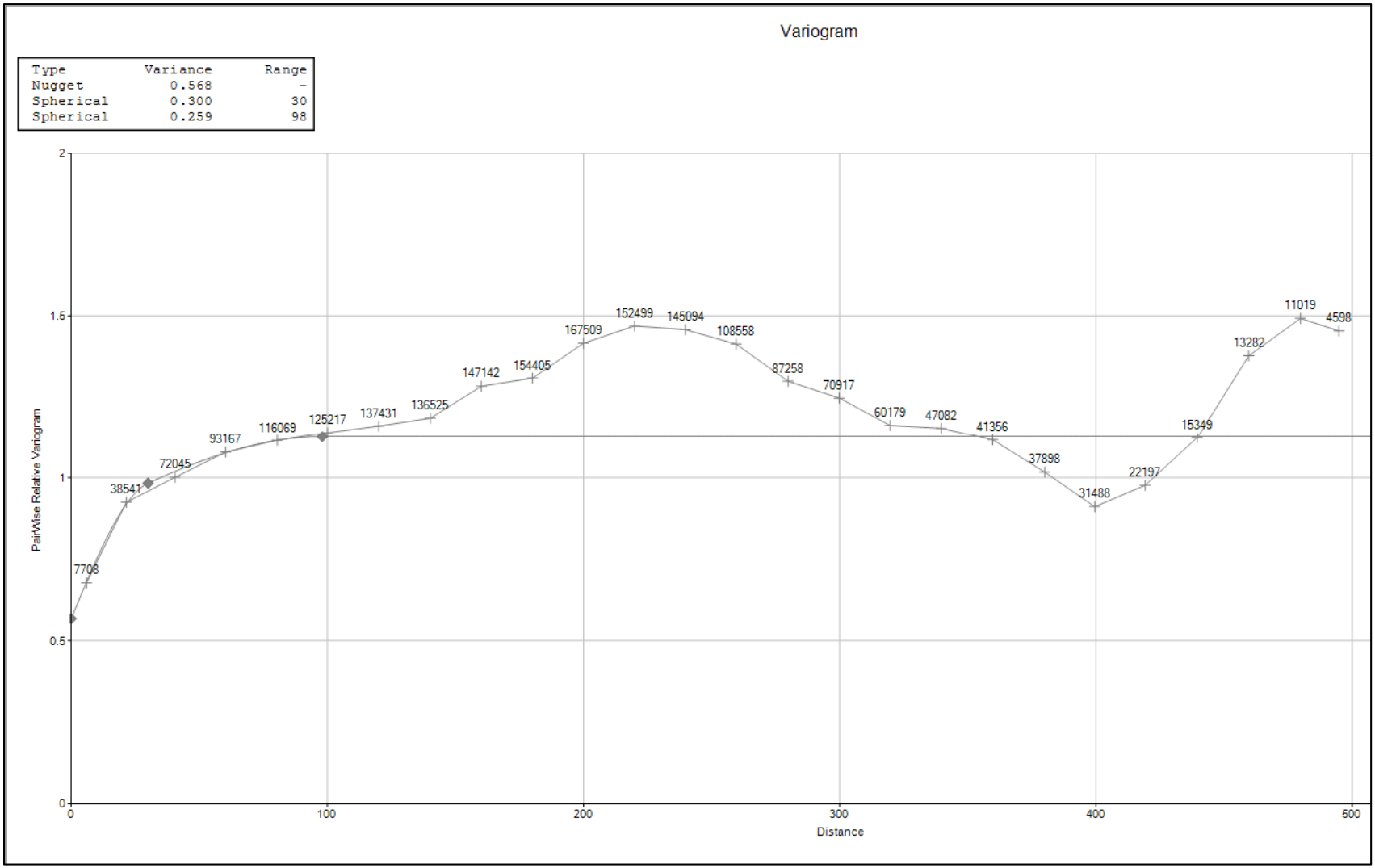


Figure 14-17 Variogram of Promontorio Data

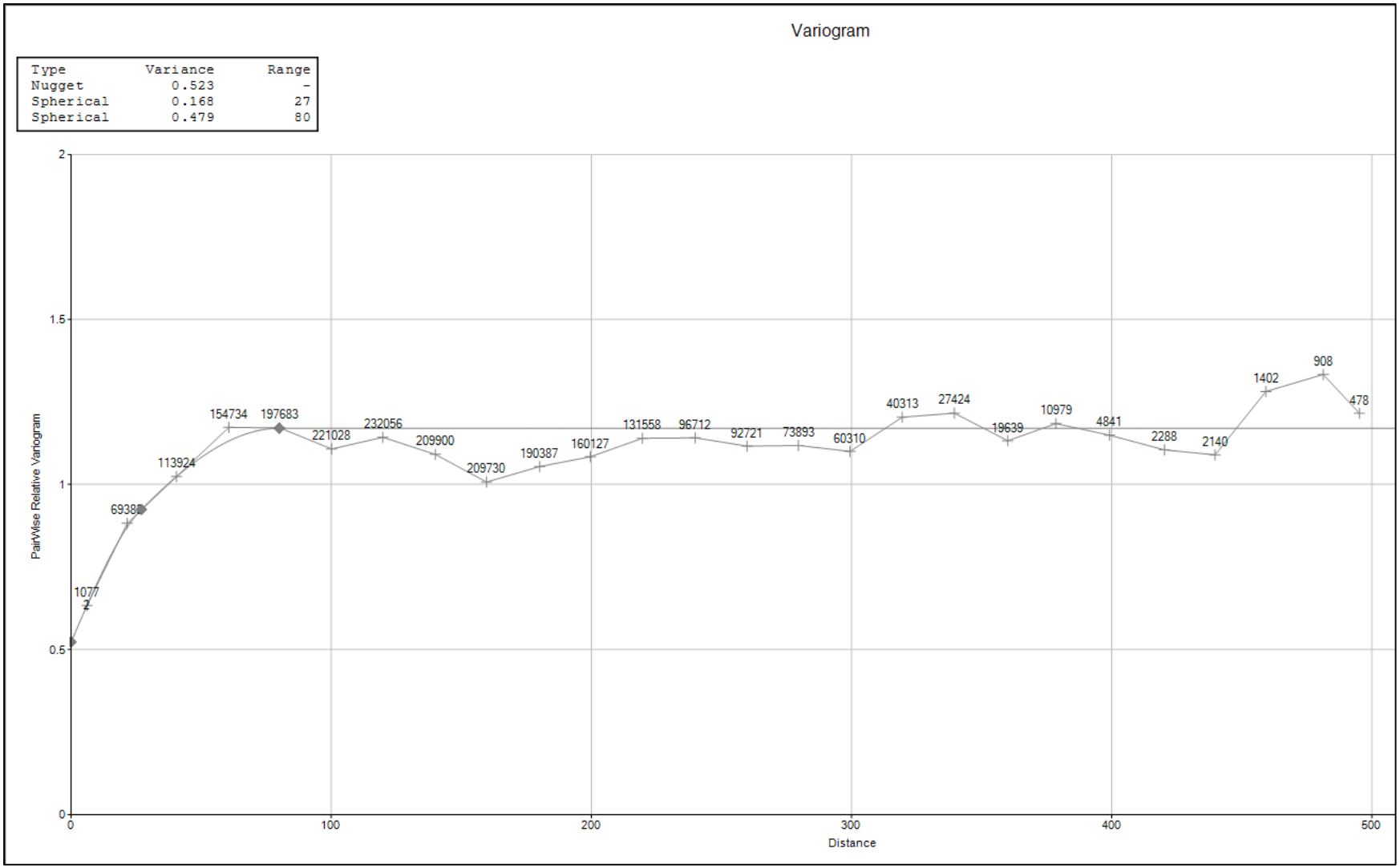


Figure 14-18 Variogram of Santa Eduwiges Data

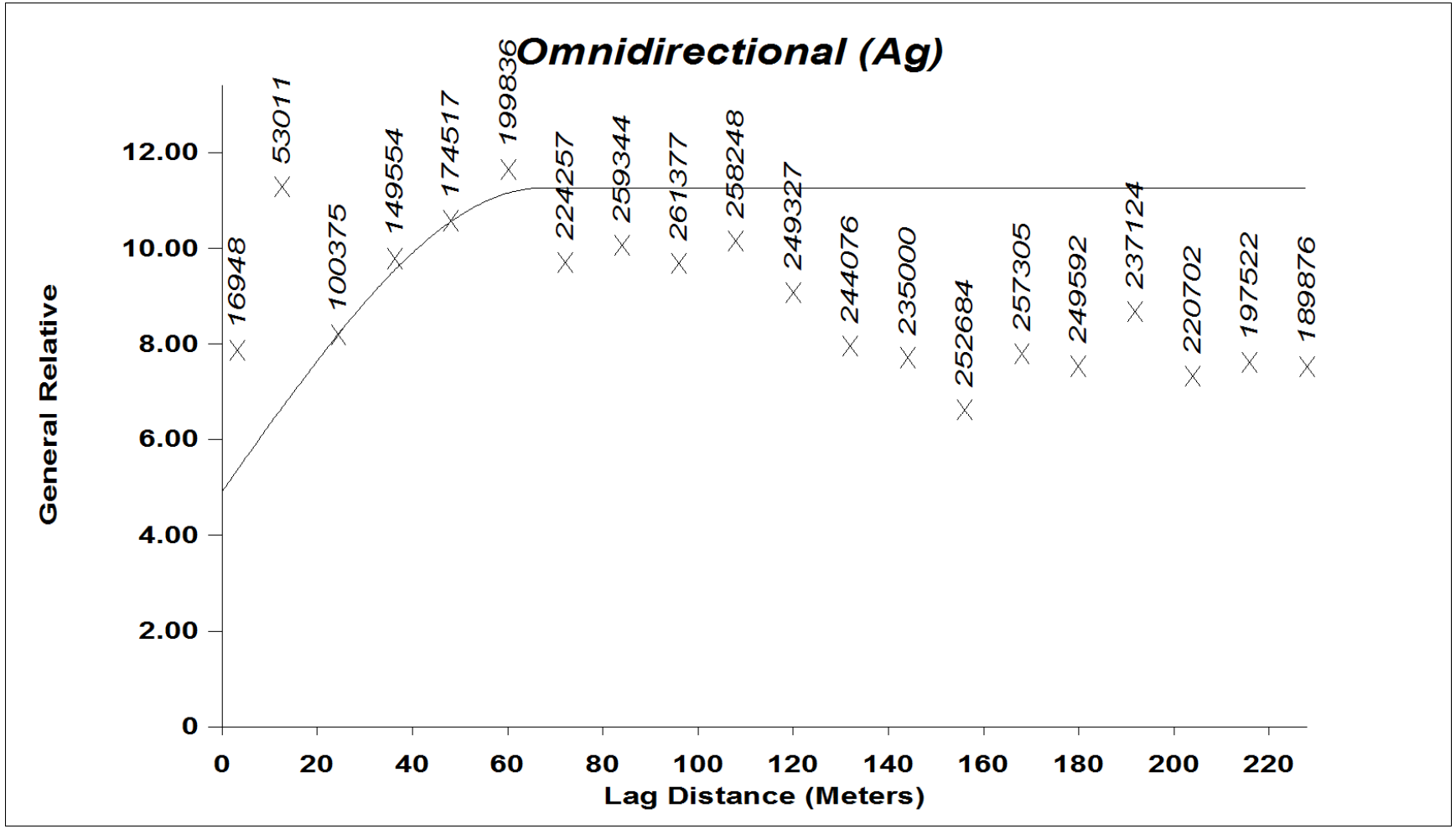


Figure 14-19 Variogram of Promontorio Data inside Implicit wireframe

14.8 Estimation

Within each resource area, blocks were estimated using only composites from the same zone code. The resource was estimated in 3 passes for all blocks. All passes utilized ordinary kriging. The estimation parameters are listed in Table 14-7.

Table 14-7 Estimation Parameters

Resource Area		1st Pass	2nd Pass	3rd Pass
Promontorio – All Zones not on Cusi Fault	Primary Axis (meters)	20	40	80
	Secondary Axis (meters)	20	40	80
	Tertiary Axis (meters)	4	8	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2
Promontorio – Zone on Cusi Fault	Primary Axis (meters)	20	30	80
	Secondary Axis (meters)	20	30	80
	Tertiary Axis (meters)	4	6	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2
Santa Eduwiges	Primary Axis (meters)	20	40	80
	Secondary Axis (meters)	20	40	80
	Tertiary Axis (meters)	4	8	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2
San Nicolas	Primary Axis (meters)	20	40	80
	Secondary Axis (meters)	20	40	80
	Tertiary Axis (meters)	4	8	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2
La India	Primary Axis (meters)	20	30	80
	Secondary Axis (meters)	20	30	80
	Tertiary Axis (meters)	4	6	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2
La Gloria	Primary Axis (meters)	20	40	60
	Secondary Axis (meters)	20	40	60
	Tertiary Axis (meters)	4	8	12
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2

Resource Area		1st Pass	2nd Pass	3rd Pass
Milagro	Primary Axis (meters)	20	30	80
	Secondary Axis (meters)	20	30	80
	Tertiary Axis (meters)	4	6	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2
San Juan	Primary Axis (meters)	20	30	80
	Secondary Axis (meters)	20	30	80
	Tertiary Axis (meters)	4	6	16
	Min # Composites	3	3	3
	Max # Composites	9	9	9
	Max Composites per Drillhole	2	2	2

Resource Area	Zone	Dip Direction	Dip
Promontorio	Alphabet	120	75
	Cusi Fault	25	57
	El Gallo Back	323	85
	PR vein	330	77
Santa Eduwiges	San Antonio	163	75
	San Bartolo	143	83
	Northwest of San Bartolo	100	80
	Southeast of San Bartolo	95	90
	Cusi Fault	50	59
San Nicolas	Promontorio	50	67
	Santa Eduwiges	35	67
	Central San Nicolas	39	65
La India	Durana	248	75
	East 1	248	70
	Saturno	248	62
	Candelaria	128	85
	West 1	126	78
	20 de Noviembre	131	78
La Gloria		295	90
Milagro		125	62
San Juan		335	80

14.8.1 Estimate Validation

The model was first evaluated by comparing the capped composite statistics to the block model statistics for each resource area. Results are shown in Table 14-8.

Table 14-8 Descriptive Statistics for Composite Samples and Model

Resource Area	Metal	Capped Composite Sample Statistics				Model Statistics			
		Min	Max	Mean	Standard Deviation	Min	Max	Mean	Standard Deviation
Promontorio	Ag (g/t)	0	3000	98.819	236.3	0	2187.875	83.809	113.174
	Au (g/t)	0	1.5	0.024	0.092	0	1.078	0.022	0.051
	Pb (%)	0	4	0.134	0.325	0	3.138	0.153	0.207
	Zn (%)	0	5	0.171	0.376	0	4.320	0.189	0.244
Santa Eduwiges	Ag (g/t)	0	3000	79.045	250.3	0	2692.634	88.112	114.305
	Au (g/t)	0	2	0.018	0.127	0	1.096	0.024	0.080
	Pb (%)	0	8	0.287	0.957	0	8.000	0.362	0.606
	Zn (%)	0	8	0.275	0.812	0	8.000	0.329	0.481
San Nicolas	Ag (g/t)	0	1500	70.294	120.5	0	497.008	99.404	109.294
	Au (g/t)	0	1	0.033	0.113	0	0.588	0.032	0.066
	Pb (%)	0	4	0.290	6058	0	2.281	0.136	0.231
	Zn (%)	0	2	0.355	0.538	0	1.978	0.157	0.193
La India	Ag (g/t)	0	1000	56.874	119.7	0	823.078	40.644	59.840
	Au (g/t)	0	1	0.026	0.108	0	0.765	0.028	0.072
	Pb (%)	0	1.3974	0.062	0.109	0	0.886	0.058	0.068
	Zn (%)	0	2	0.135	0.168	0	1.310	0.108	0.122
La Gloria	Ag (g/t)	0	500	56.394	105.6	0	464.488	75.136	90.802
	Au (g/t)	0	1	0.064	0.209	0	0.966	0.078	0.153
	Pb (%)	0	2.506	0.074	0.169	0.002	1.378	0.093	0.109
	Zn (%)	0	1.996	0.041	0.113	0.003	1.067	0.042	0.034
Milagro	Ag (g/t)	0	3000	83.939	252.3	0	1025.991	52.450	57.325
	Au (g/t)	0	8	0.297	1.1	0	5.0023	0.07297	0.2199
	Pb (%)	0	5	0.524	0.948	0	3.921	0.440	0.555
	Zn (%)	0	8	0.822	1.519	0	5.720	0.564	0.830
San Juan	Ag (g/t)	0	700	40.706	91.7	0.178	553.167	45.062	48.416
	Au (g/t)	0	0.2381	0.005	0.025	0	0.133	0.007	0.016
	Pb (%)	0	2.01	0.033	0.11	0.000	1.209	0.044	0.068
	Zn (%)	0	0.8341	0.047	0.086	0.001	0.442	0.061	0.0534

The model was validated by evaluating the blocks against actual composite assay data to determine if the estimated blocks fit the grade and parameters of the deposit. Cross sections for each area displaying the block model silver content for blocks with the composite silver data are presented in Figure 14-20 through Figure 14-27. Note that blocks and composites color coding uses legend shown.

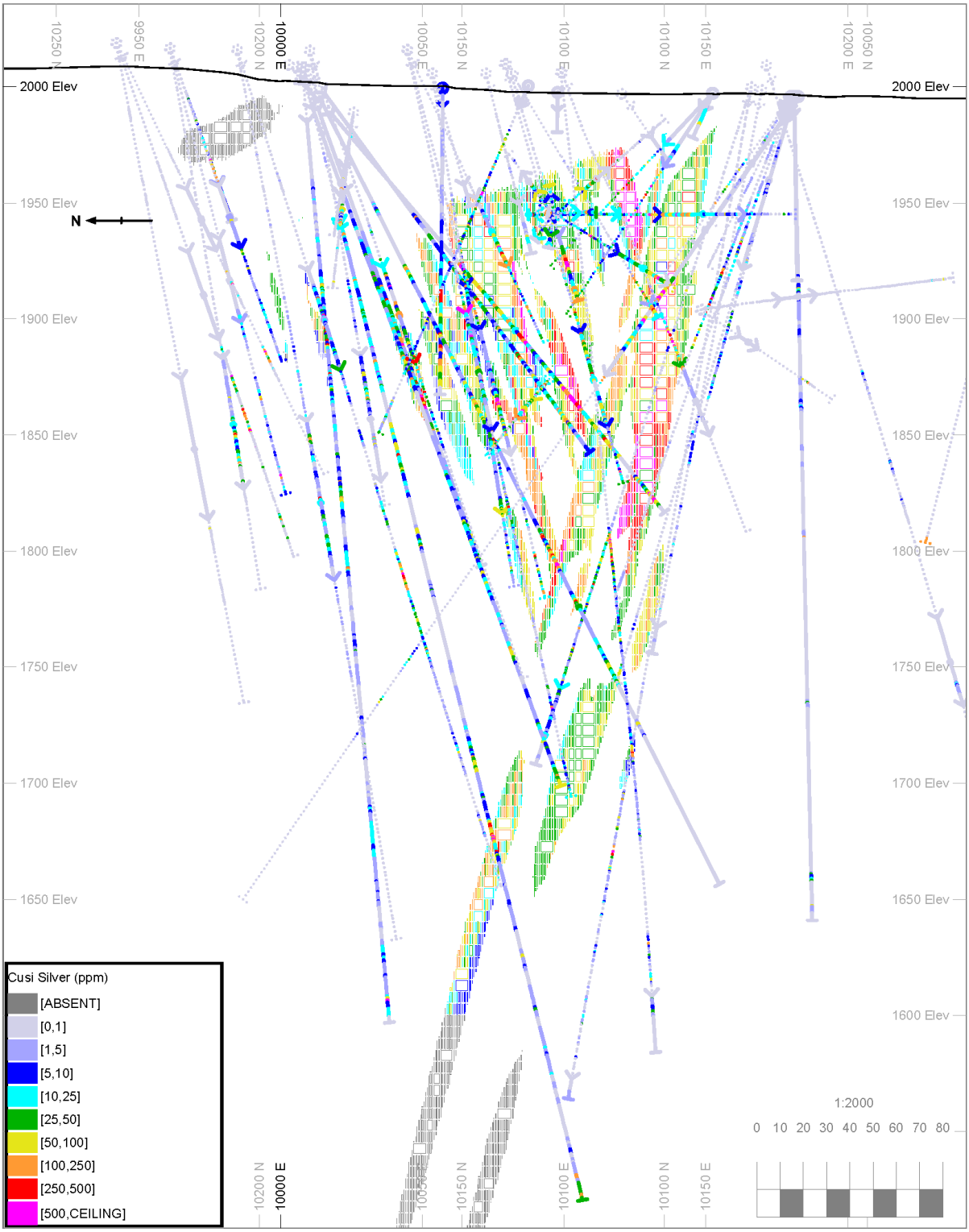


Figure 14-20 Promontorio Evaluation Section

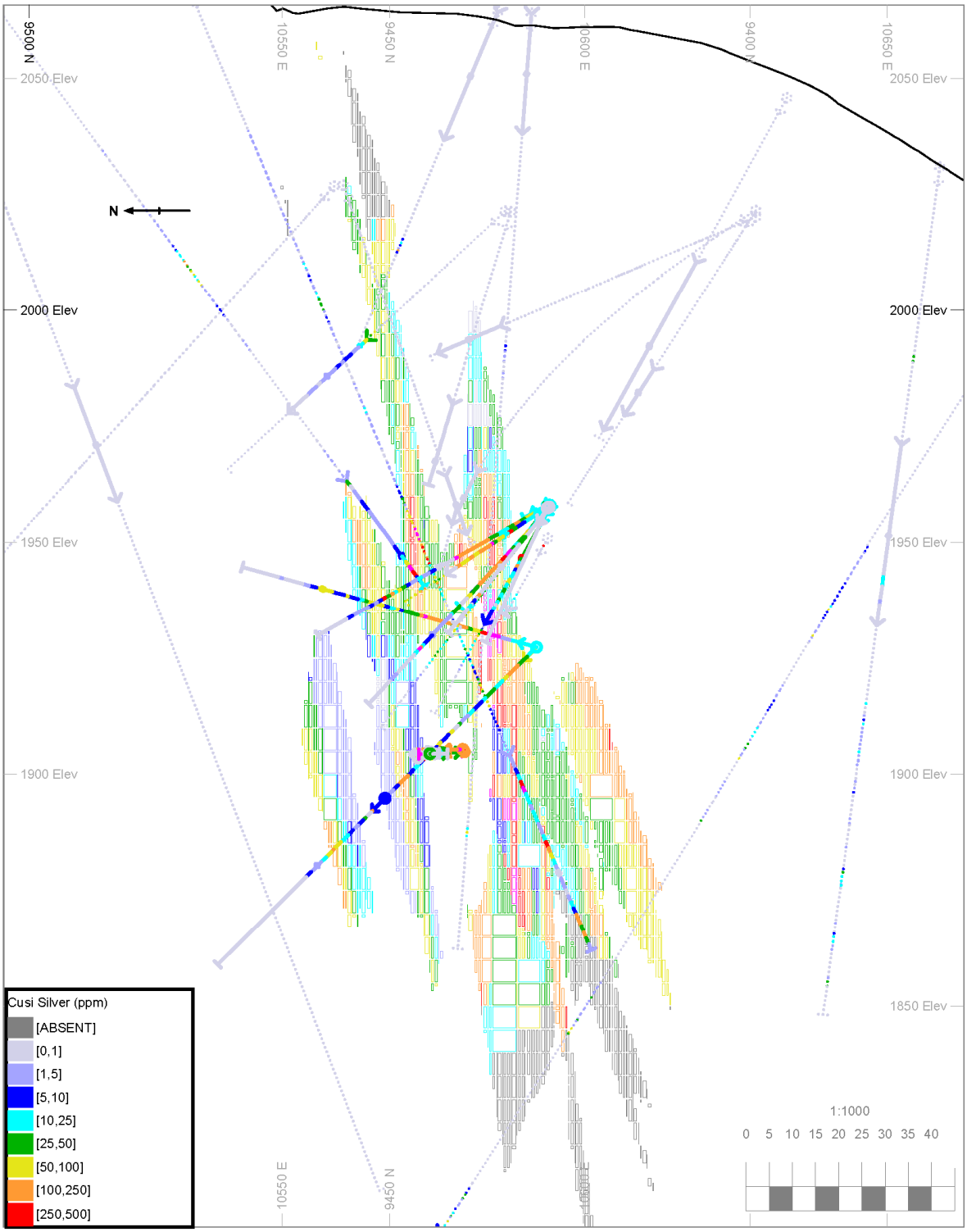


Figure 14-21 Santa Eduwiges Evaluation Section

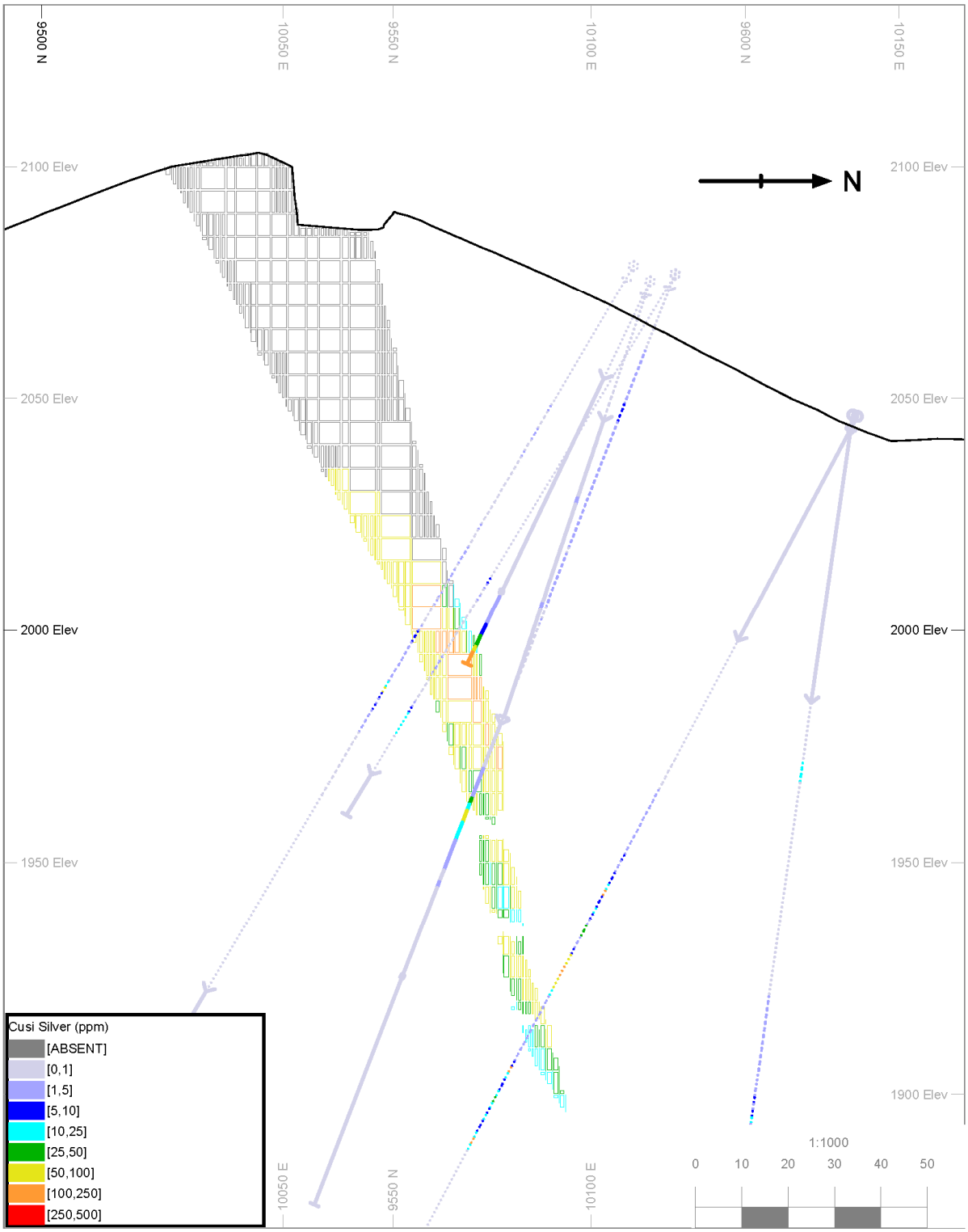


Figure 14-22 San Nicolas Evaluation Section

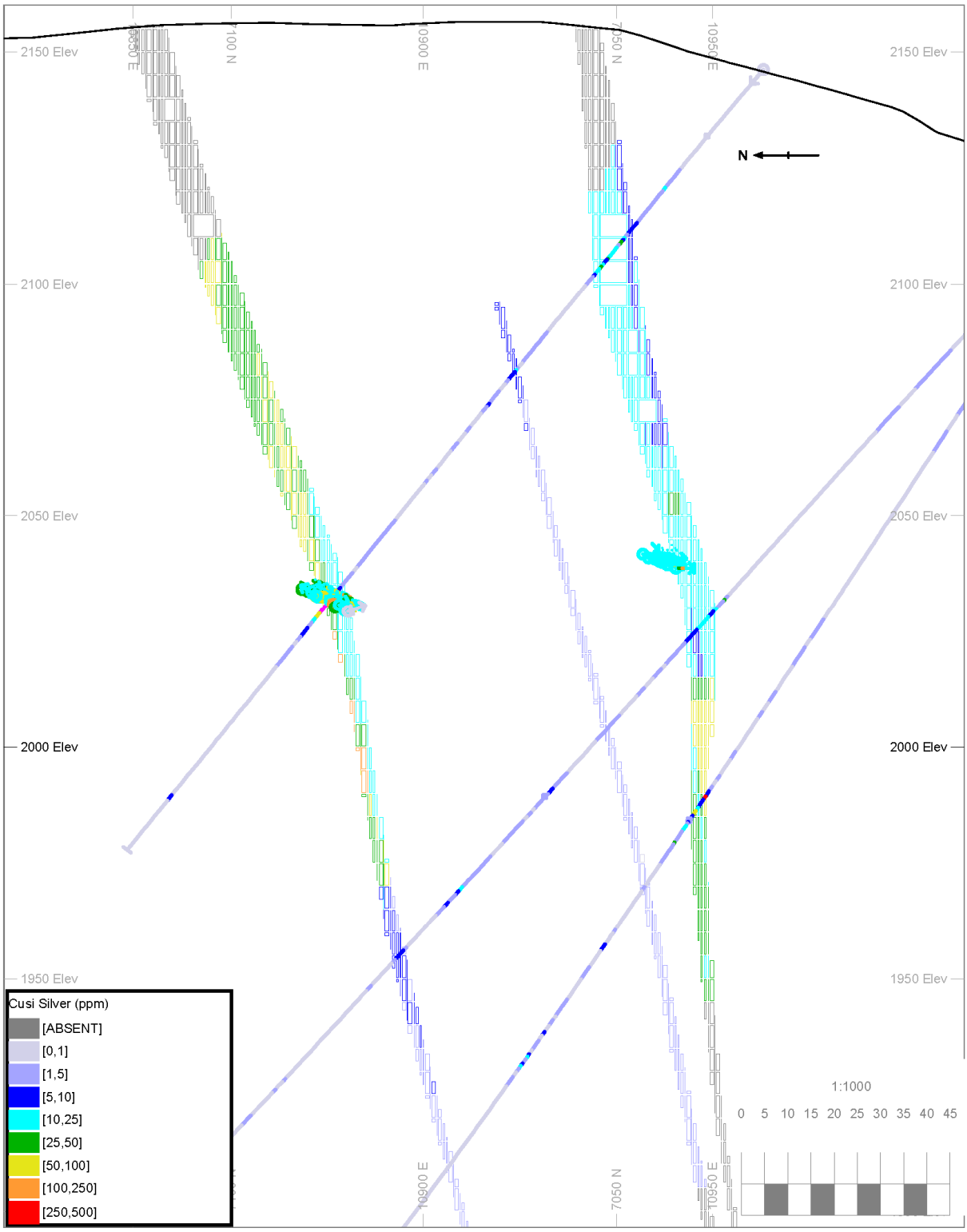


Figure 14-23 La India East Evaluation Section

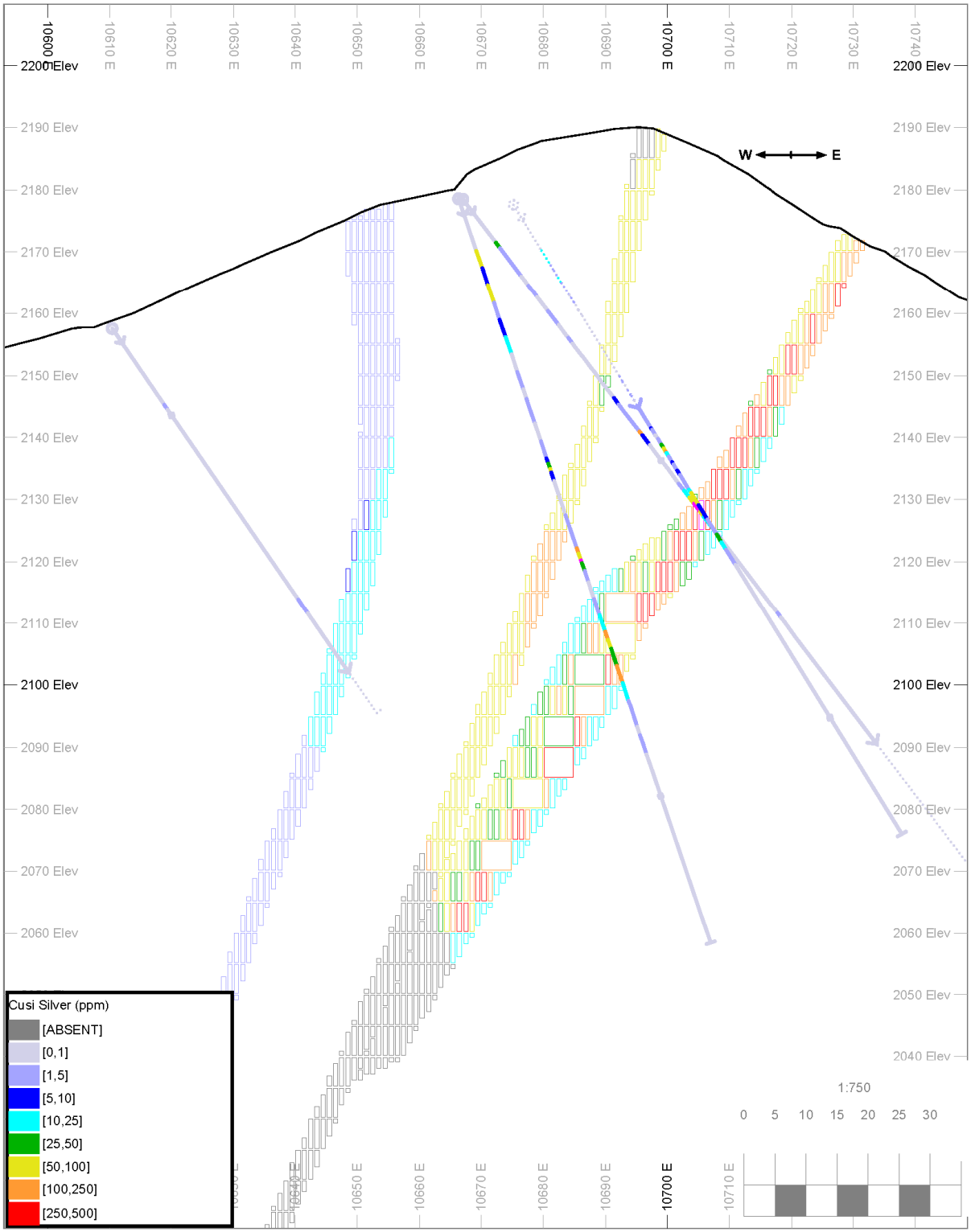


Figure 14-24 La India West Evaluation Section

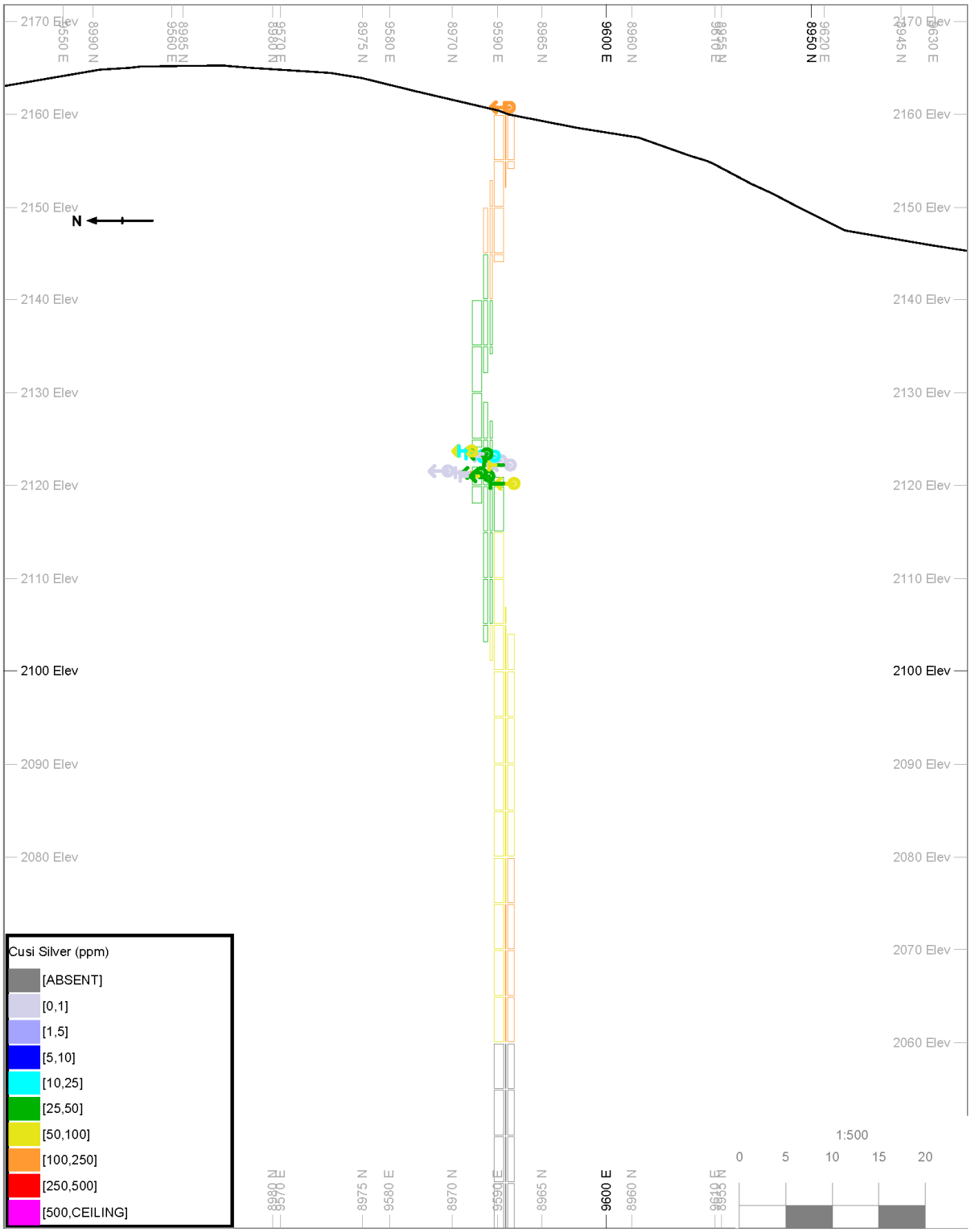


Figure 14-25 La Gloria East Evaluation Section

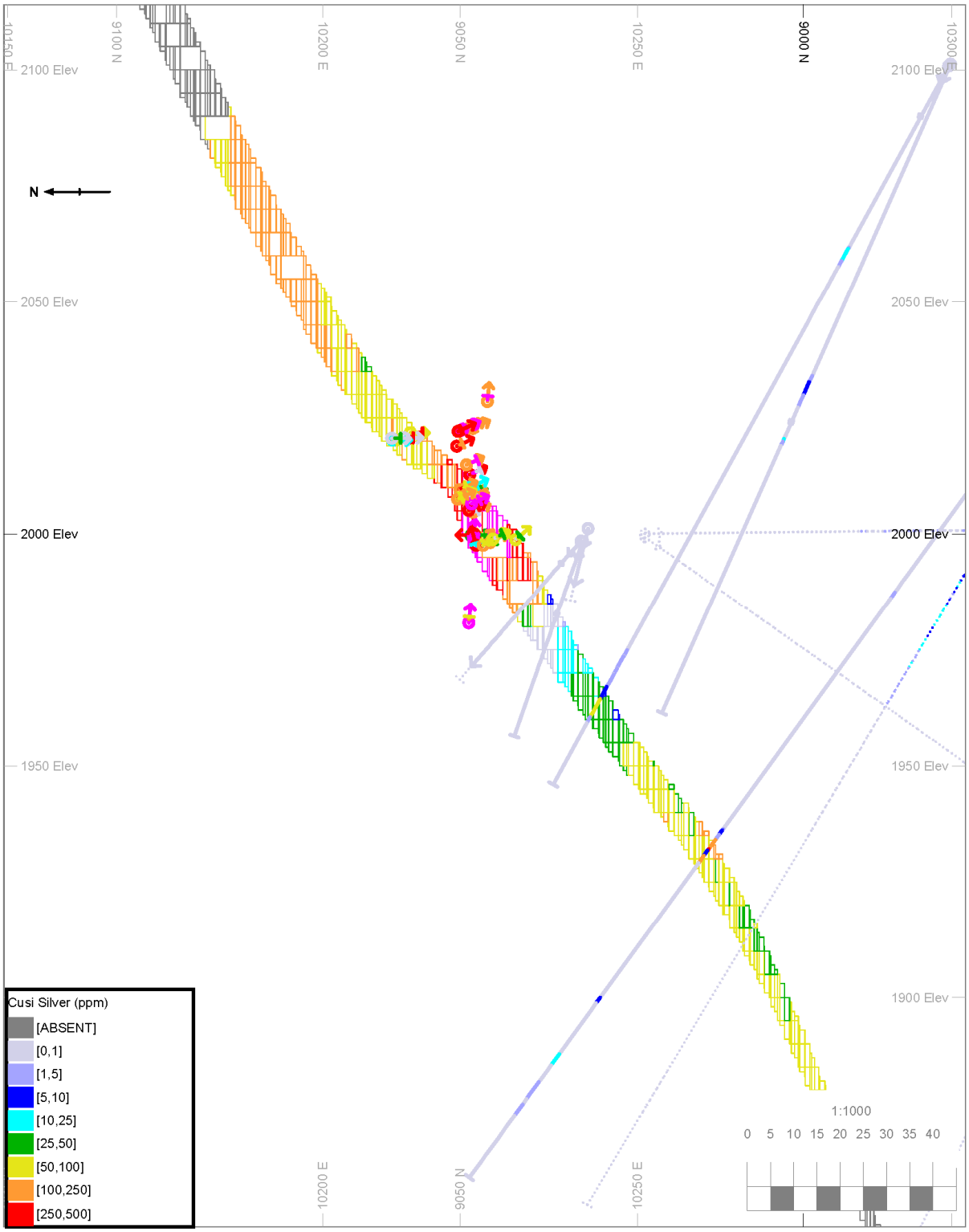


Figure 14-26 Milagro East Evaluation Section

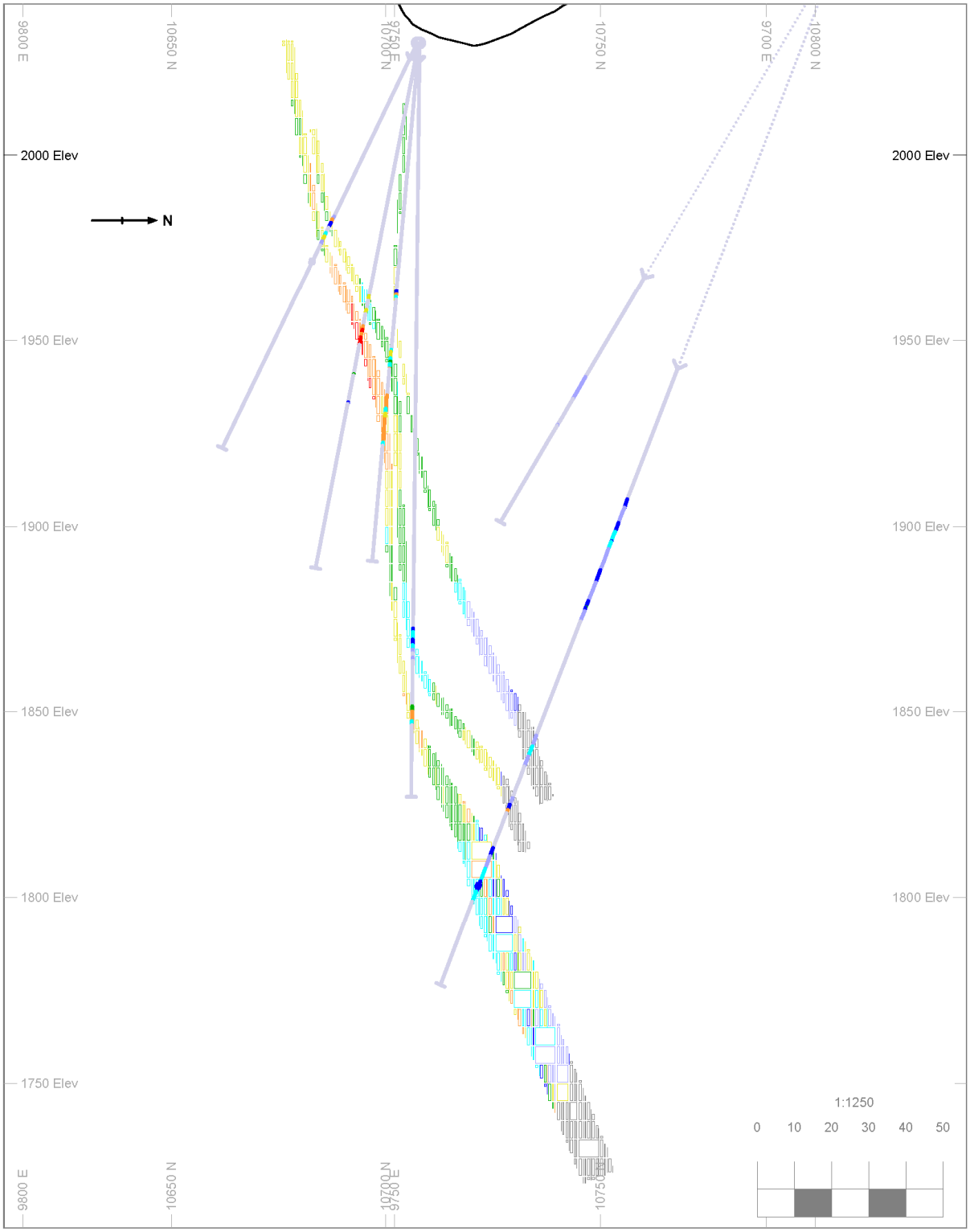


Figure 14-27 San Juan Evaluation Section

The resource estimates were also compared a nearest neighbor (NN) estimation as a check method. These validations are valid at a 0 ppm cutoff only; the 0 ppm cutoff is shown for illustrative purposes only. In the test, the silver grade produced in the check method should be approximately the same as that estimated in the resource block model. The comparison of silver grades between the resource block model and the validation test is shown in Table 14-9. Tonnages match because the comparison is limited to all MII blocks. The aggregate difference between the models is 11% higher grade for the NN model at 0% cutoff, which is within an acceptable range for this test.

Table 14-9 Comparison of Block Models and Validation Tests

Resource Area	% Difference in:		
	Tonnage	Ag (g/t) grade	Contained Metal (Ag g)
Promontorio	0	19	19
Santa Eduwiges	0	20	20
San Nicolas	0	-10	-10
La India	0	-11	-11
La Gloria	0	0	0
Milagro	0	-14	-14
San Juan	0	6	6

Comparative cumulative frequency plots were generated to compare composite grades with block grades for each of the resource areas. In general, the block grades show lower variability than composite grades, and indicate a reasonable distribution of block grades relative to composite grades. Example CFP comparisons are shown as figures 14-28 through 14-31.

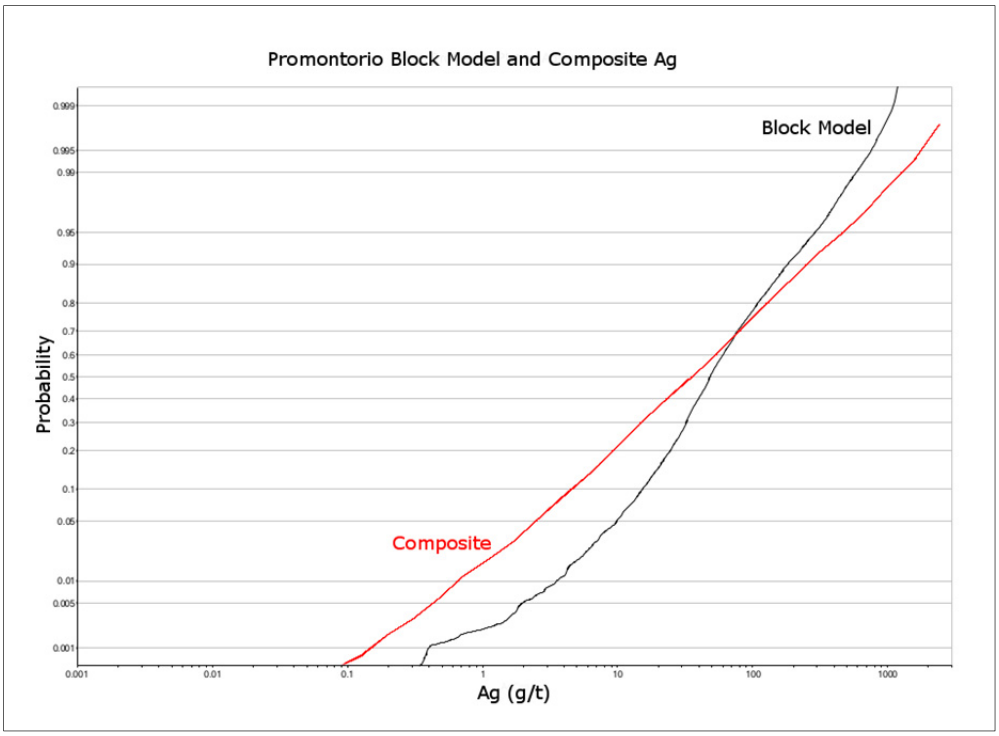


Figure 14-28 Promontoiro Block Model Composite CFP Comparison

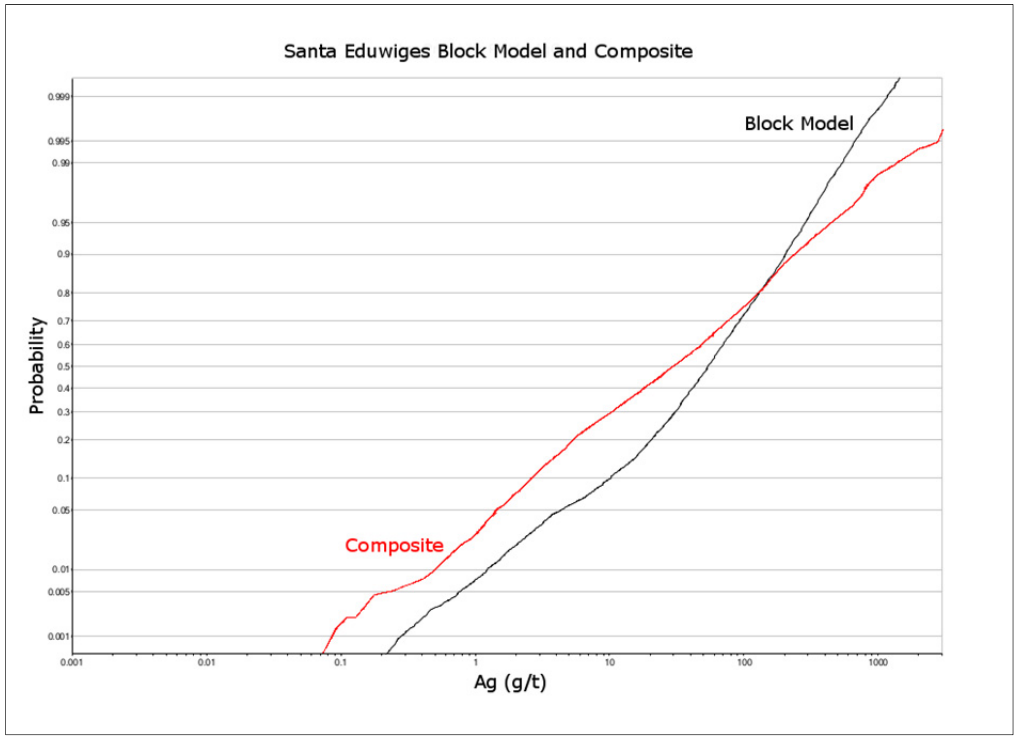


Figure 14-29 Santa Eduwiges Block Model Composite CFP Comparison

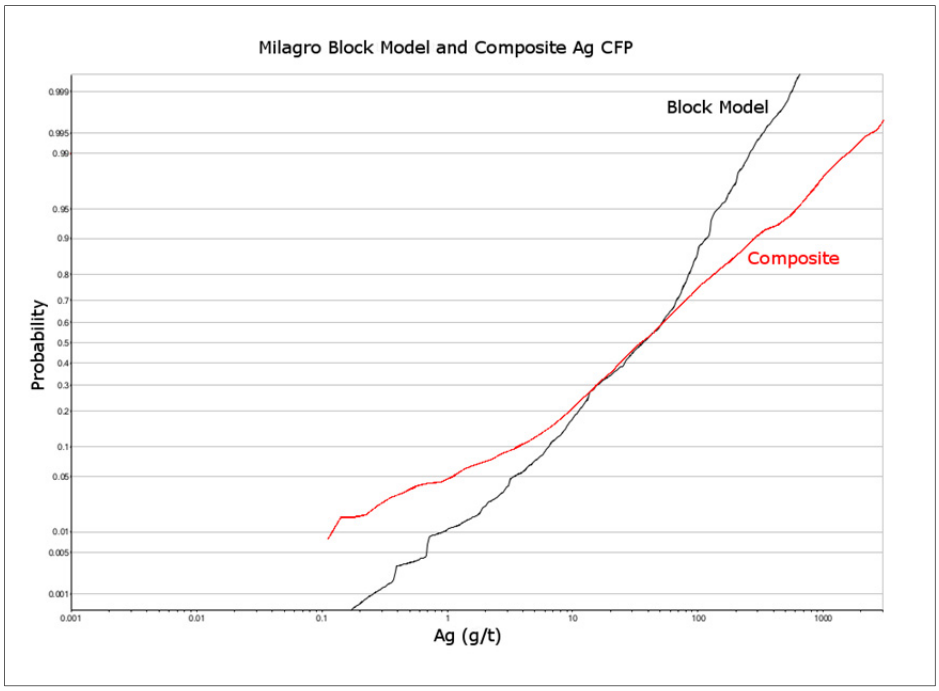


Figure 14-30 Milagro Block Model Composite CFP Comparison

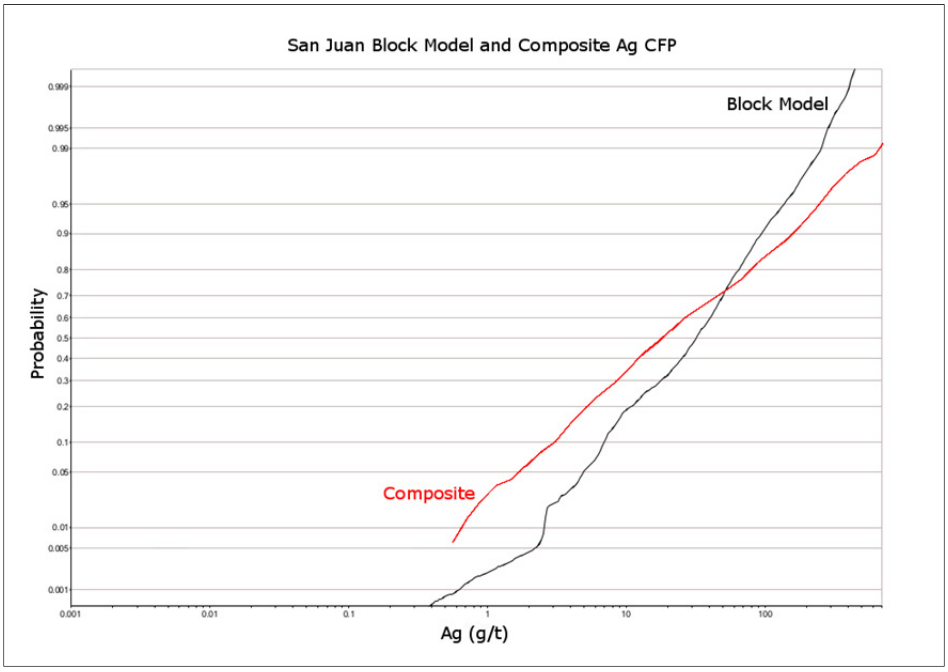


Figure 14-31 San Juan Block Model Composite CFP Comparison

Review of the various validation methodologies, statistical review, CFP comparison, NN model validation, and Block-Composite CFP comparison confirms that the estimation methodology used for the various areas of the Cusi project is reasonable and that the block model is well related to the data used for the estimation.

Gustavson recommends ongoing review of model-mine reconciliation data to confirm that the variance reduction of the block model is consistent with the selectivity of the mining operation. Gustavson recommends that dilution and ore loss factors be considered for reporting of reserves in future work.

14.9 Mineral Resource Classification

It is the QP's assessment that mineralization is structurally constrained and the general structural regime is understood. Therefore sample distance and abundance criteria are appropriate for resource classification. Indicated resources were classified by requiring blocks be within the modeled indicator shells/veins and the first two search volumes (corresponding to two drillhole intersections within 100% of the variogram range), and that at least two separate drillholes were used to estimate the block grade. Blocks that were within the modeled area with at least 2 drillholes used for estimation and within the third search volume were classified as inferred. Due to survey control and assay QA issues, (Discussed in section 10) there are no measured resources estimated within any part of the Cusi Project.

The La Gloria / Minerva, and the upper portions of the Milagro resource, are considered inferred only. There are no Indicated resources estimated for these areas because of the reliance of these estimates on surface sample data rather than underground or drill samples.

Indicated search volume for Promontorio at the Cusi fault is restricted because complexity in the downhole survey information for the zone and the local drill spacing reduces the confidence in the local grade estimate. Cusi geologists are of the opinion that the wireframe at this location may overstate resource tonnes. Indicated search volumes for the discrete wireframe areas (La India, Milagro, San Juan) are shorter because the smaller data sets give relatively poor variogram structure, lowering the confidence in the local estimate at larger distances from data. All search volumes used for resource classification are listed in Table 14-10.

Table 14-10 Search Volumes for Resource Classification

Domain	Indicated Search Volume	Inferred Search Volume
Promontorio	40x40x8	80x80x16
Promontorio (At Cusi Fault)	30x30x6	80x80x16
Santa Eduwiges	40x40x8	80x80x16
Milagro	30x30x6	80x80x16
Milagro (Near Surface)	N/A*	80x80x16
San Nicolas	40x40x8	80x80x16
La India	30x30x6	80x80x16
La Gloria	N/A*	60x60x12
San Juan	30x30x6	80x80x16

Note: *N/A indicates no indicated material classified for this area due to inclusion of surface data in the resource estimate.

All search volumes refer to the inclusion of at least 3 composites (generally 2 drillholes) within the search volume.

14.10 Mineral Resource Estimate

The mineral resource estimates by resource area are summarized in Table 14-11. This mineral resource estimate was completed by Gustavson, and includes consideration of all drillhole, surface, and underground data as stated above available as of December 31, 2013. Gustavson is of the opinion that 90 g/t silver is a reasonable base case cutoff for a planned underground mining and froth flotation process. This is confirmed as the operating cutoff grade used by Cusi for their ore-waste determinations.

Silver price used for consideration of cutoff grade is set at $20. This is a significant discount to the 36-month trailing average price of $29.09, but is consistent with the three month trailing average of $20.62 and appears to be a reasonable stable price assumption for resource reporting.

The cutoff grade is considered as follows:

Cutoff grade = Operating cost per tonne / Silver price / Silver recovery

- Operating Cost per tonne = $40
- Silver Price $20/ troy ounce = $0.65/g
- Silver recovery = 73%

This gives a cutoff grade of 85.2 g/t silver. Using 90 g/t gives an acceptable margin to allow for royalty, transport, and refining charges. Gustavson is of the opinion that

reporting the resource at a 90 g/t silver cutoff grade offers reasonable prospects for economic extraction.

14.10.1 Mined Out Volumes

Gustavson notes that not all the underground workings have been surveyed, and as such there is not a complete model of mined out volumes available to account for historic mining operations. Accordingly, Gustavson has accounted for historic and recent mining, stoping, and workings by working with Sierra mining engineers and geologists to estimate the percentage of estimated blocks remaining as resource on a level-by-level basis within each resource area. A total of 19.5% of block tonnage has been removed from the resource to account for mined out volumes. Gustavson is of the opinion that this approach constitutes a reasonable basis for consideration of mined out volumes, but cautions that there may be local discrepancies due to incomplete information.

14.10.2 Additional Factors

Gustavson knows of no environmental, permitting, legal, title, taxation, socio-economic, marketing, political, or other factors that could materially affect the mineral resource.

14.10.3 Tabulation of Resource Estimate

The effective date of this mineral resource is December 31, 2013. Thomas Matthews, MMSA QP, Senior Resource Geologist with Gustavson Associates LLC, is the Qualified Person responsible for this resource estimate. Gustavson Associates validated the database used for resource estimation, constructed indicator wireframes and vein wireframes to constrain blocks and composites for estimation, and interpolated block grades using ordinary kriging to estimate this resource. Resources are presented at a 90 g/t silver cutoff grade, which represents reasonable prospects for economic extraction based on the current underground mine plan and froth flotation process. Gustavson considers the resource to meet industry standard practices, and to be CIM and NI43-101 compliant.

Table 14-11 Cusi Project Mineral Resource Estimate

Indicated Resources						
	Tonnes	Ag Grade (g/t)	Ounces Ag	Au (g/t)	Pb (%)	Zn (%)
Promontorio	920,000	234.7	6,941,000	0.04	0.30	0.33
Santa Eduwiges	457,000	248.5	3,649,000	0.07	0.88	0.72
San Nicolas	35,000	286.2	320,000	0.07	0.38	0.31
La India	170,000	184.9	1,012,000	0.16	0.13	0.25
Monaco/Milagro	46,000	201.8	298,000	0.81	0.88	1.58
San Juan	37,000	165.7	196,000	0.01	0.17	0.15
Total	**1,665,000**	**231.9**	**12,416,000**	**0.08**	**0.46**	**0.46**

Inferred Resources						
	Tonnes	Ag Grade (g/t)	Ounces Ag	Au (g/t)	Pb (%)	Zn (%)
Promontorio	1,314,000	280.5	11,848,000	0.07	0.27	0.26
Santa Eduwiges	275,000	167.5	1,480,000	0.06	0.80	0.63
San Nicolas	333,000	234.6	2,512,000	0.06	0.22	0.2
La India	248,000	162.2	1,293,000	0.14	0.13	0.25
La Gloria/Minerva	309,000	178.5	1,774,000	0.11	0.20	0.07
Monaco/Milagro	191,000	127.9	787,000	0.14	0.53	0.76
San Juan	67,000	151.3	326,000	0.01	0.17	0.14
Total	**2,737,000**	**227.5**	**20,020,000**	**0.08**	**0.31**	**0.30**

Mineral resources are not mineral reserves and do not demonstrate economic viability. Inferred resources reported herein are uncertain in nature and exploration completed to date is insufficient to define these mineral resources as indicated or measured. There is no guarantee that further exploration will result in the inferred mineral resources being upgraded to an indicated or measured mineral resource category. There is no certainty that all or any part of the mineral resource will be converted to mineral reserves. Mineral resources are not mineral reserves and may be materially affected by environmental, permitting, legal, socio-economic, marketing, political, or other factors. Quantity and grade are estimates and are rounded to reflect the fact that the resource estimate is an approximation.

15 Adjacent Properties (Item 23)

As shown in Figure 4-3, there are several mineral concessions within the Cusi Project area that are not held by Sierra Metals. These areas are generally outside of the areas where mineral resources were estimated and do not limit our understanding of geology at the Cusi Project area. Gustavson is not aware of any publicly disclosed mineral resource or reserve estimates for the adjacent properties.

16 Other Relevant Data and Information (Item 24)

This section describes mine development and production activities at each mine.

Sierra Metals has mined from the Promontorio and Santa Eduwiges Mine Areas since 2008. Approximately 70-80% of mined ore is from the Santa Eduwiges Mine Area, and the remainder from the Promontorio Mine Area. Annual quantities mined since 2008, along with quantities of lead and zinc concentrate, and tailings produced, are shown on Tables 16-1 through 16-5.[1] As shown in these tables, quantities mined and produced concentrates have increased steadily since 2008 to their highest levels in 2013.

Estimated mined out volumes are removed from the resource estimate results, as presented in Section 14.10.1.

This resource estimated in a manner which intends to allow a high local grade variability and projection of local high grades consistent with the local grade distribution of the system. One effect of this is that the resource as estimated has relatively little grade averaging. It is expected that dilution and ore loss will occur in actual mining operations, with amounts dependent on the mining technique and grade control practices selected. Gustavson recommends that mining dilution and ore loss be carefully considered in mine planning based on this resource estimate, and tested against actual production data when available.

Table 16-1 Quantities Mined at Cusi since 2008

Year	Total Mined			
	Tonnes Mined	Avg Ag Grade (g/t)	Avg Lead Grade (%)	Avg Zinc Grade (%)
2008	8,041	356	2.27	2.31
2009	4,427	288	0.99	1.60
2010	24,736	278	0.85	1.13
2011	31,157	187	0.91	1.19
2012	54,124	185	0.57	0.61
2013	106,854	167		
Total	**229,339**			

[1] For the reported quantities for 2009, quantity mined, tailings produced, and all reported grades were reported through November 29, 2009. Quantities of lead and zinc concentrates produced were reported through December 31, 2009.

Table 16-2 Lead Concentrate Produced at Malpaso Mill from Cusi Ore since 2008

Year	Lead Concentrate			
	Tonnes Produced	Avg Ag Grade (g/t)	Avg Lead Grade (%)	Avg Zinc Grade (%)
2008	216	8,237	47.05	17.04
2009	139	8,916 (Note 1)	26.52 (Note 1)	19.17 (Note 1)
2010	764	6,207	14.74	18.38
2011	812	4,975	22.9	23.14
2012	1,488	5,131	14.39	14.43
2013	2,715	4,731	15.53	12.47
Total	**6,134**			

Table 16-3 Zinc Concentrate Produced at Malpaso Mill from Cusi Ore since 2008

Year	Zinc Concentrate			
	Tonnes Produced	Avg Ag Grade (g/t)	Avg Lead Grade (%)	Avg Zinc Grade (%)
2008	135	896	4.22	43.77
2009	101	889	2	42.38
2010	48	695	1.76	33.35
2011	192	658	1.79	23.7
2012	0	--	--	--
2013	0	--	--	--
Total	**476**			

Table 16-4 Tailings Produced at Malpaso Mill from Cusi Ore since 2008

Year	Tailings			
	Tonnes Produced	Avg Ag Grade (g/t)	Avg Lead Grade (%)	Avg Zinc Grade (%)
2008	7,690	125	1.39	1.11
2009	4,263	95	0.47	0.55
2010	23,923	88	0.39	0.38
2011	30,152	55	0.31	0.45
2012	52,636	46	0.18	0.22
2013	94,312	41	0.17	0.16
Total	**212,976**			

Table 16-5 Metals Produced at Malpaso Mill from Cusi Ore since 2008

Year	Contained Metal			Lead Concentrate			Zinc Concentrate		
	Silver (k-oz)	Lead (k-lb)	Zinc (k-lb)	Silver (k-oz)	Lead (k-lb)	Zinc (k-lb)	Silver (k-oz)	Lead (k-lb)	Zinc (k-lb)
2008	92	402	409	57	224	81	0.94	13	130
2009	41	97	156	26	53	38	0.21	3.3	69
2010	221	463	616	152	248	309	1.18	1.9	35
2011	187	625	817	130	410	414	5.01	7.6	100
2012	322	680	727	245	472	473	--	--	--
2013	540	1235	1156	415	889	768	--	--	--
Total	**1,404**	**3,501**	**3,881**	**1,026**	**2,295**	**2,083**	**7.34**	**25**	**335**

16.1 Promontorio

Promontorio is an active underground mine with eight levels.

The mineralized targets of the Promontorio mine area include a series of veins identified by a letter such as vein A, C, H, J, K, and L (collectively, these are referred to as the alphabet veins); the El Gallo Back vein; and San Jose vein.

Mine plans and cross section showing the mine workings are provided in Figure 16-1.

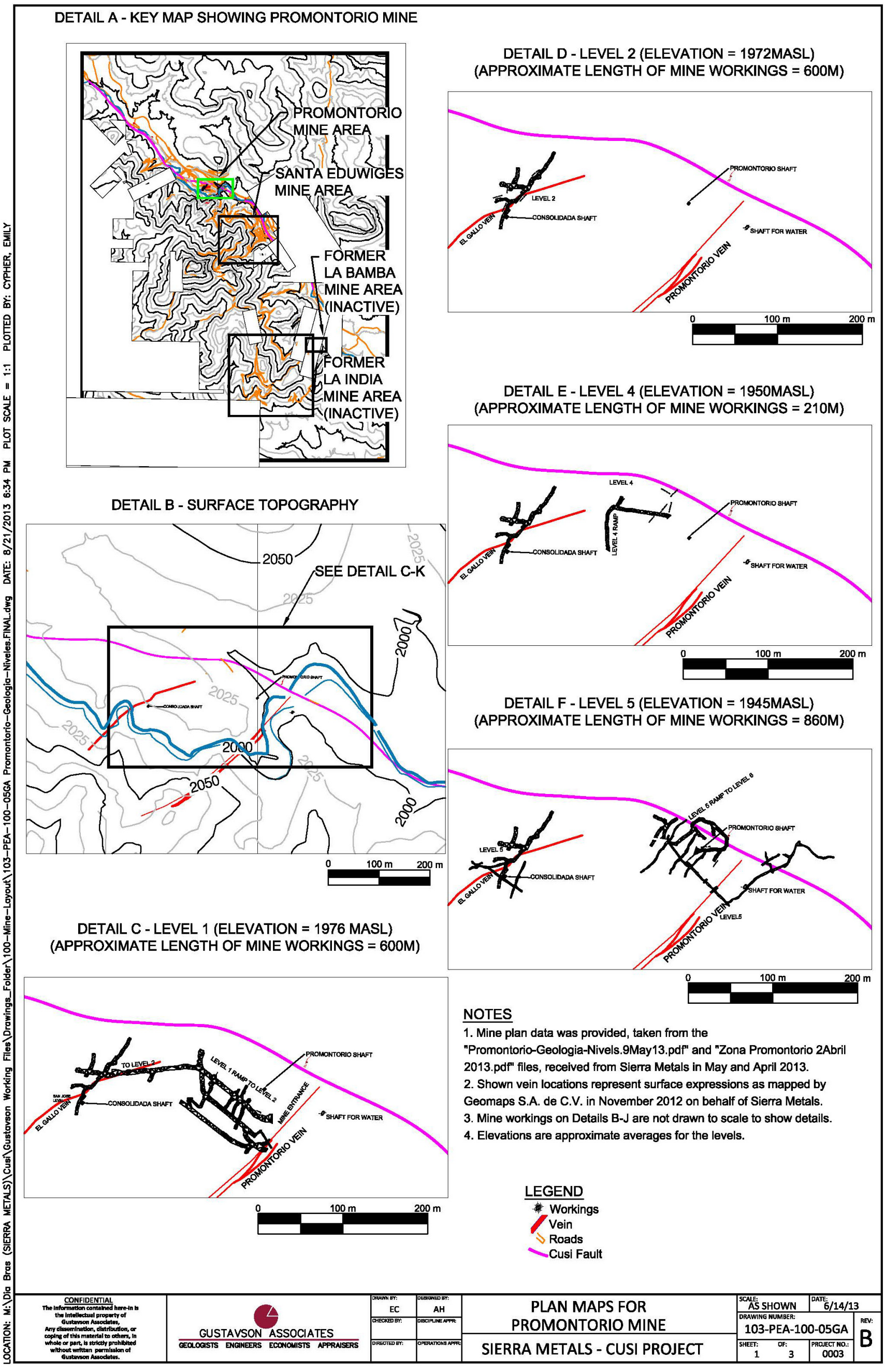


Figure 16-1 Plans and Sections Showing Promontorio Mine
(Sheet 1 of 3)

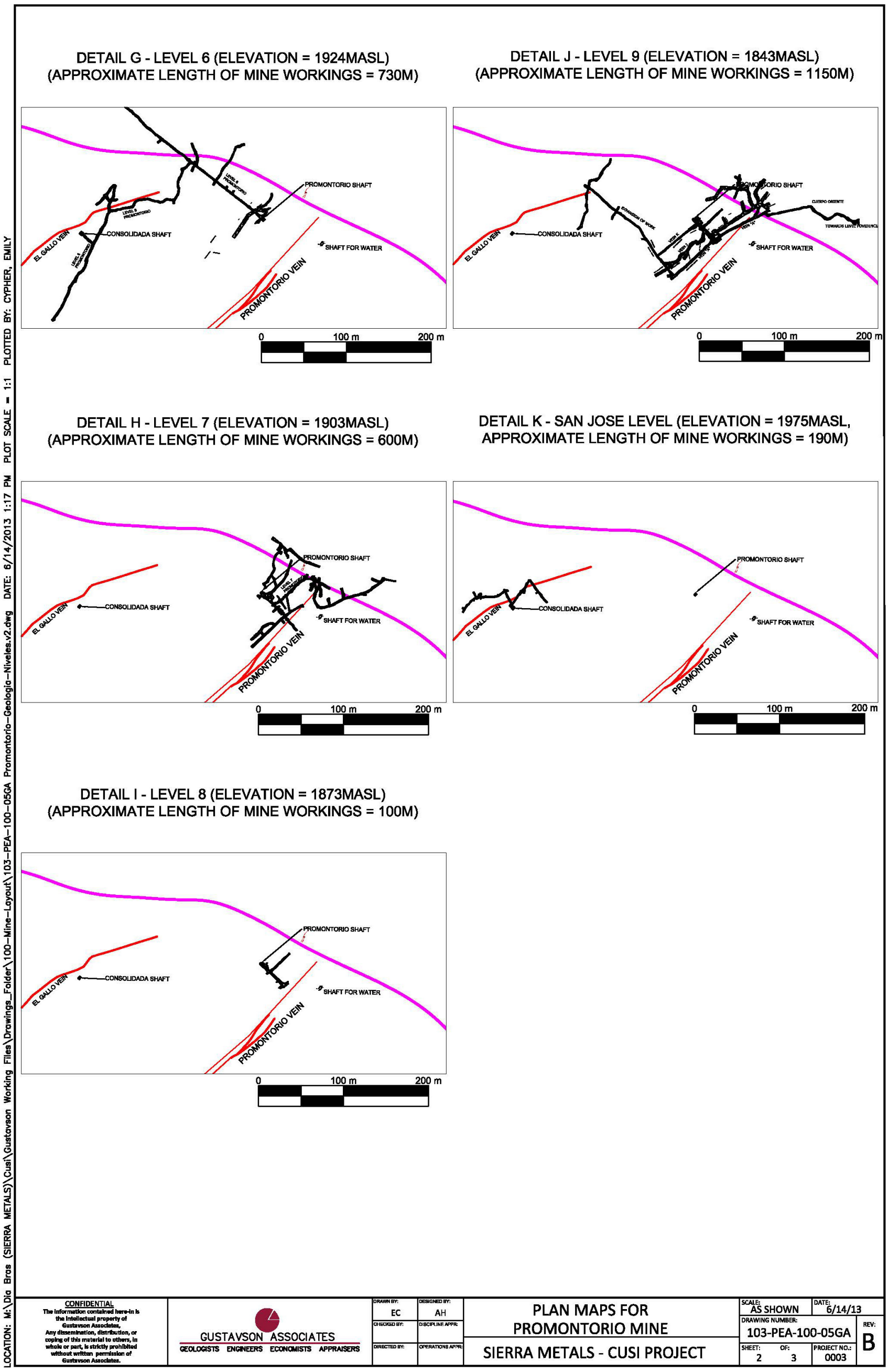


Figure 16-1 Plans and Sections Showing Promontorio Mine
(Sheet 2 of 3)

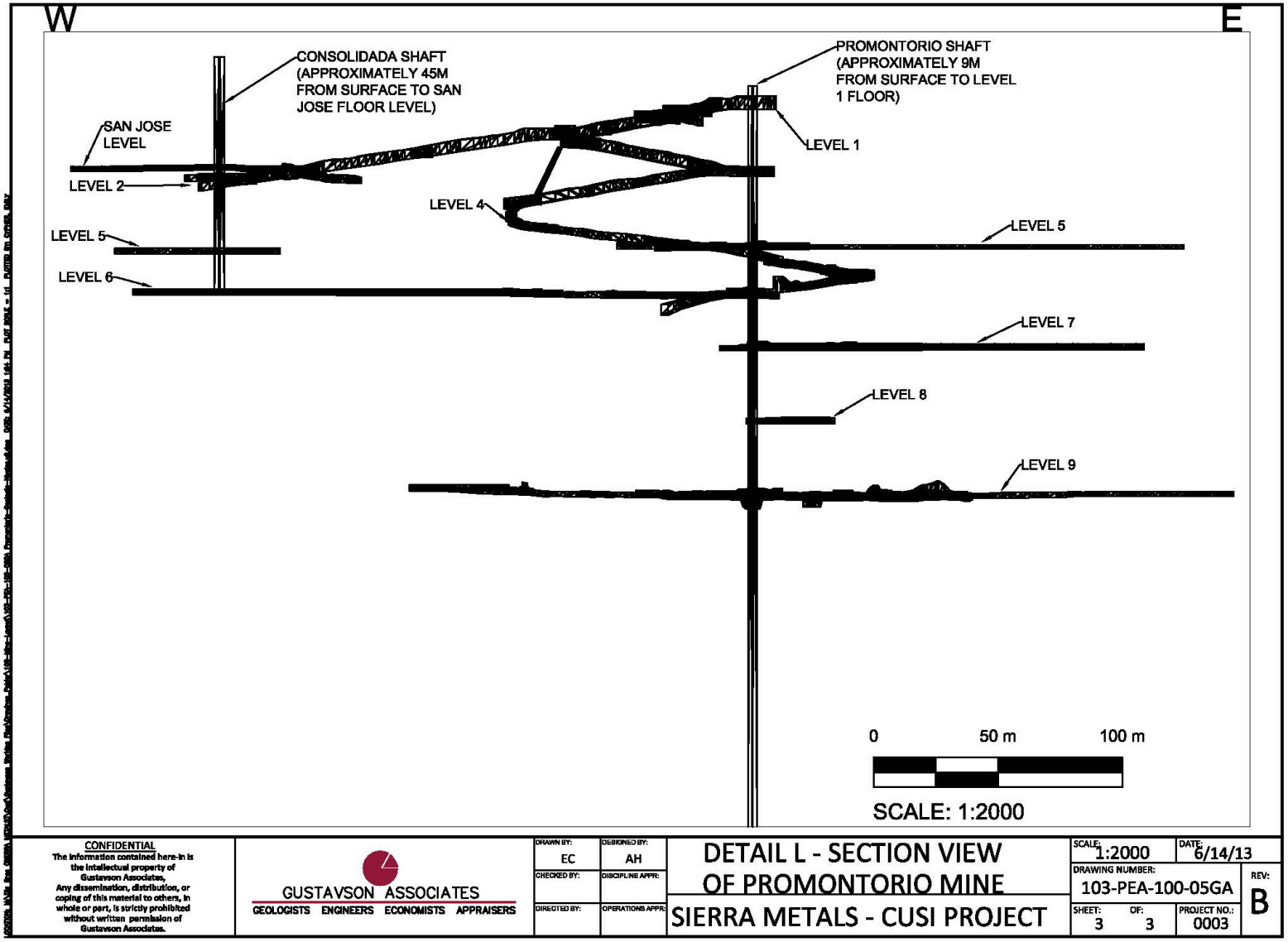


Figure 16-1 Plans and Sections Showing Promontorio Mine (Sheet 3 of 3)

16.2 Santa Eduwiges

The Santa Eduwiges Mine Area is an active underground mine containing complex vein networks. Mine plans and sections of the Santa Eduwiges Mine Area are provided in Figure 16-2.

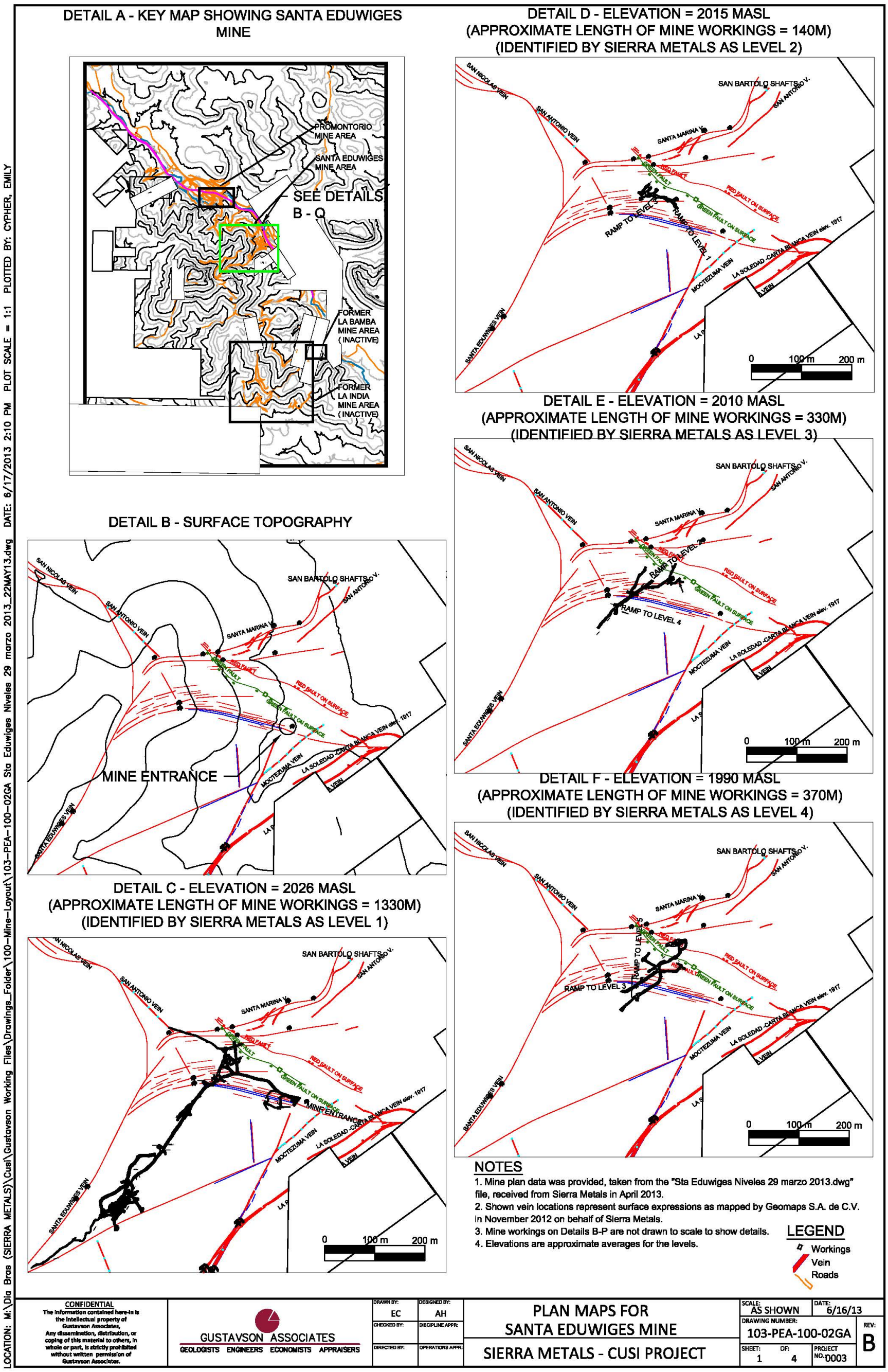


Figure 16-2 Plans and Sections Showing Santa Eduwiges Mine
(Sheet 1 of 4)

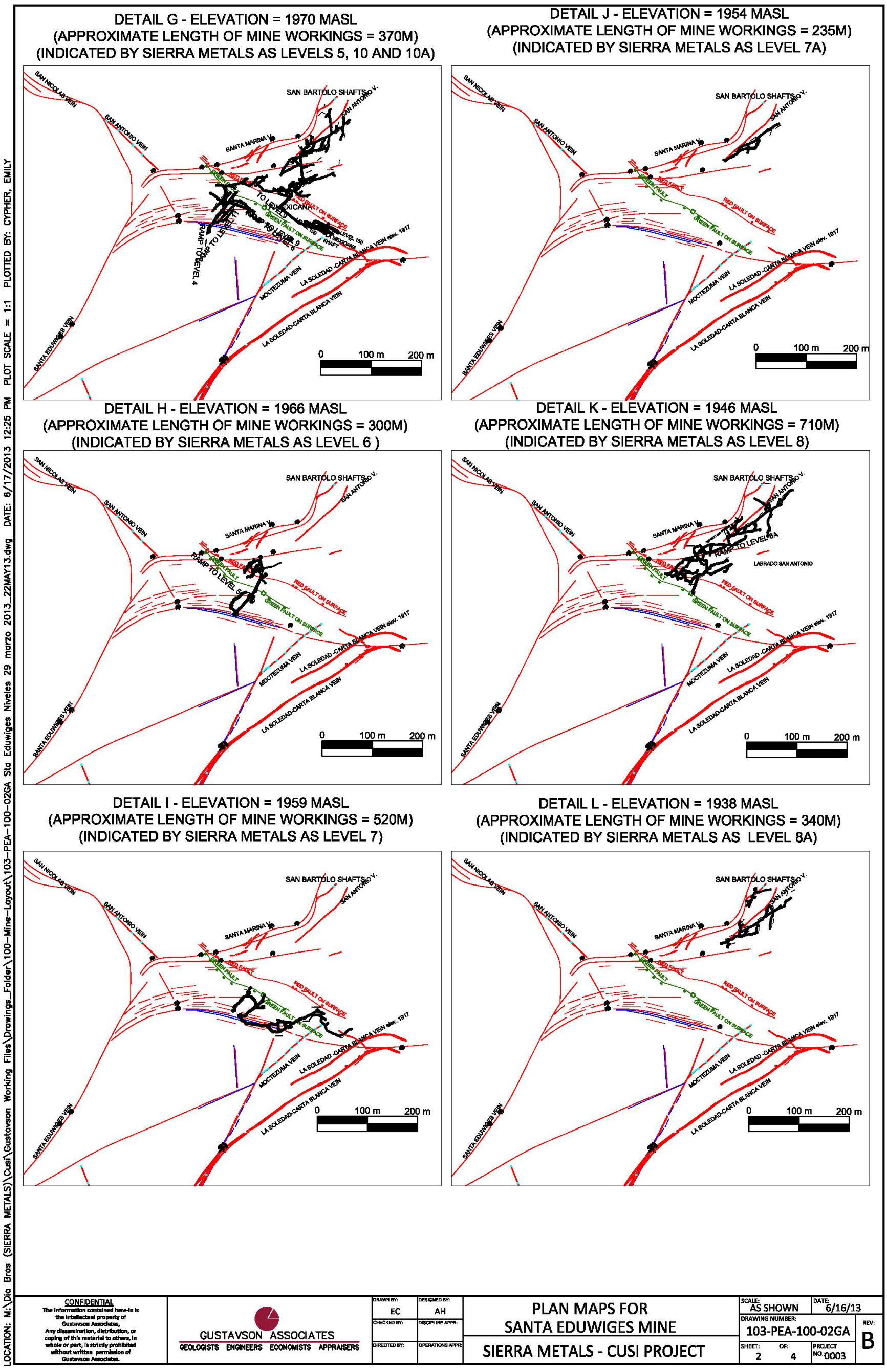


Figure 16-2 Plans and Sections Showing Santa Eduwiges Mine
(Sheet 2 of 4)

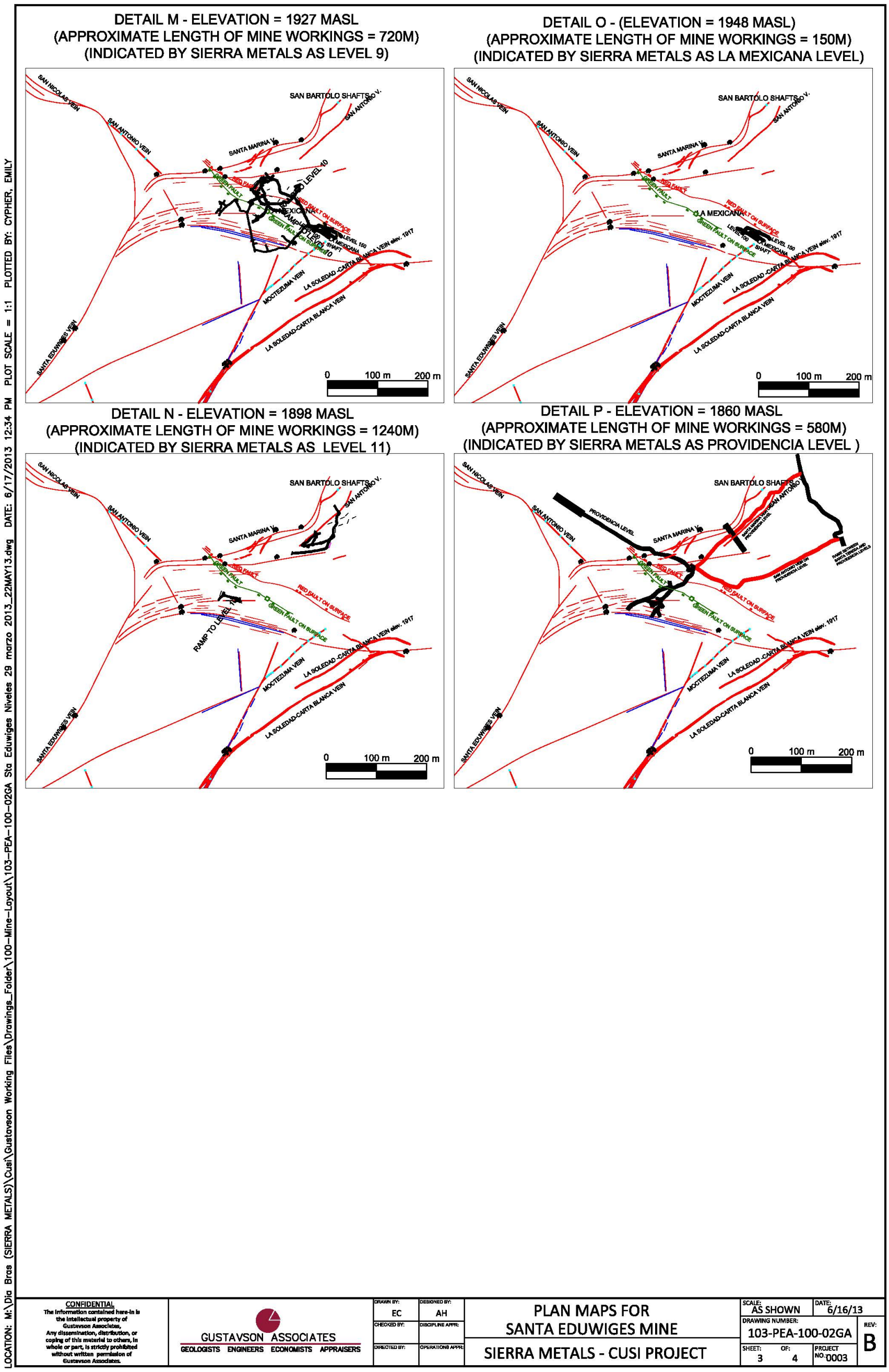


Figure 16-2 Plans and Sections Showing Santa Eduwiges Mine
(Sheet 3 of 4)

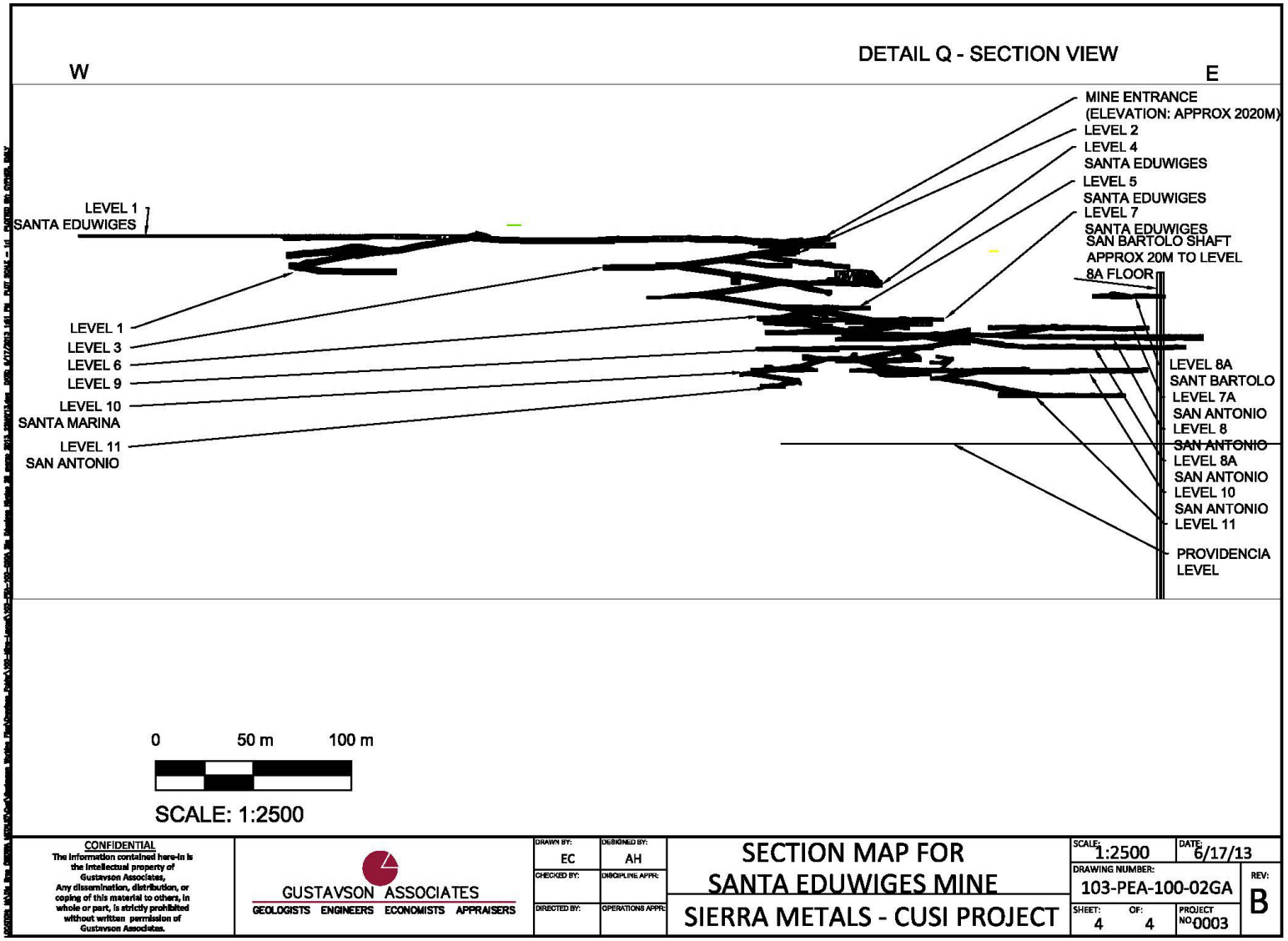


Figure 16-2 Plans and Sections Showing Santa Eduwiges Mine (Sheet 4 of 4)

16.3 La India

La India is an underground mine that has not been mined by Sierra Metals. Gustavson understands that Sierra Metals is undertaking development of underground workings with expectation of future mine operations. La India Mine plans and sections showing the La India Mine are provided in Figure 16-3.

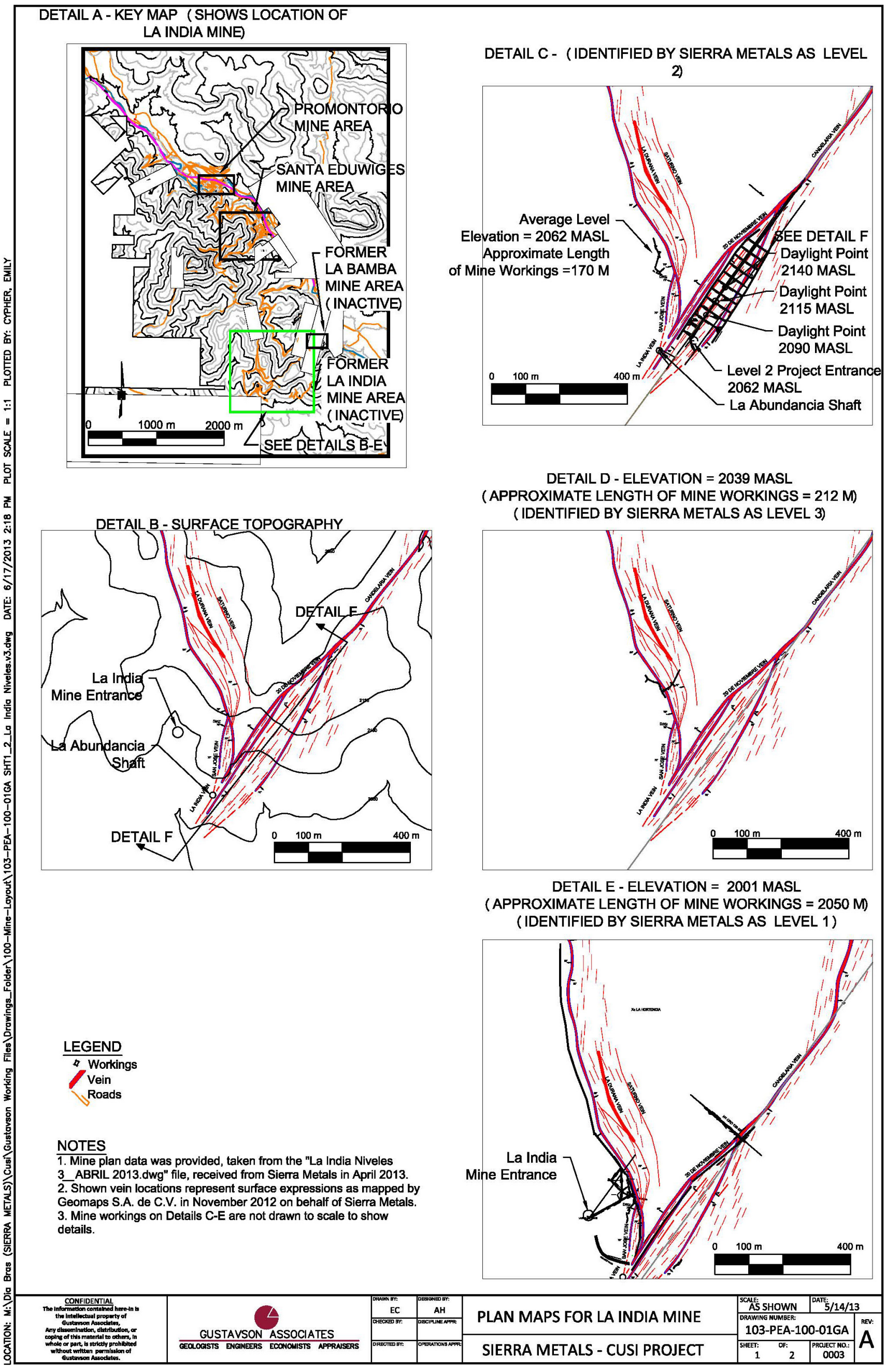


Figure 16-3 Plans and Sections Showing La India Mine
(Sheet 1 of 2)

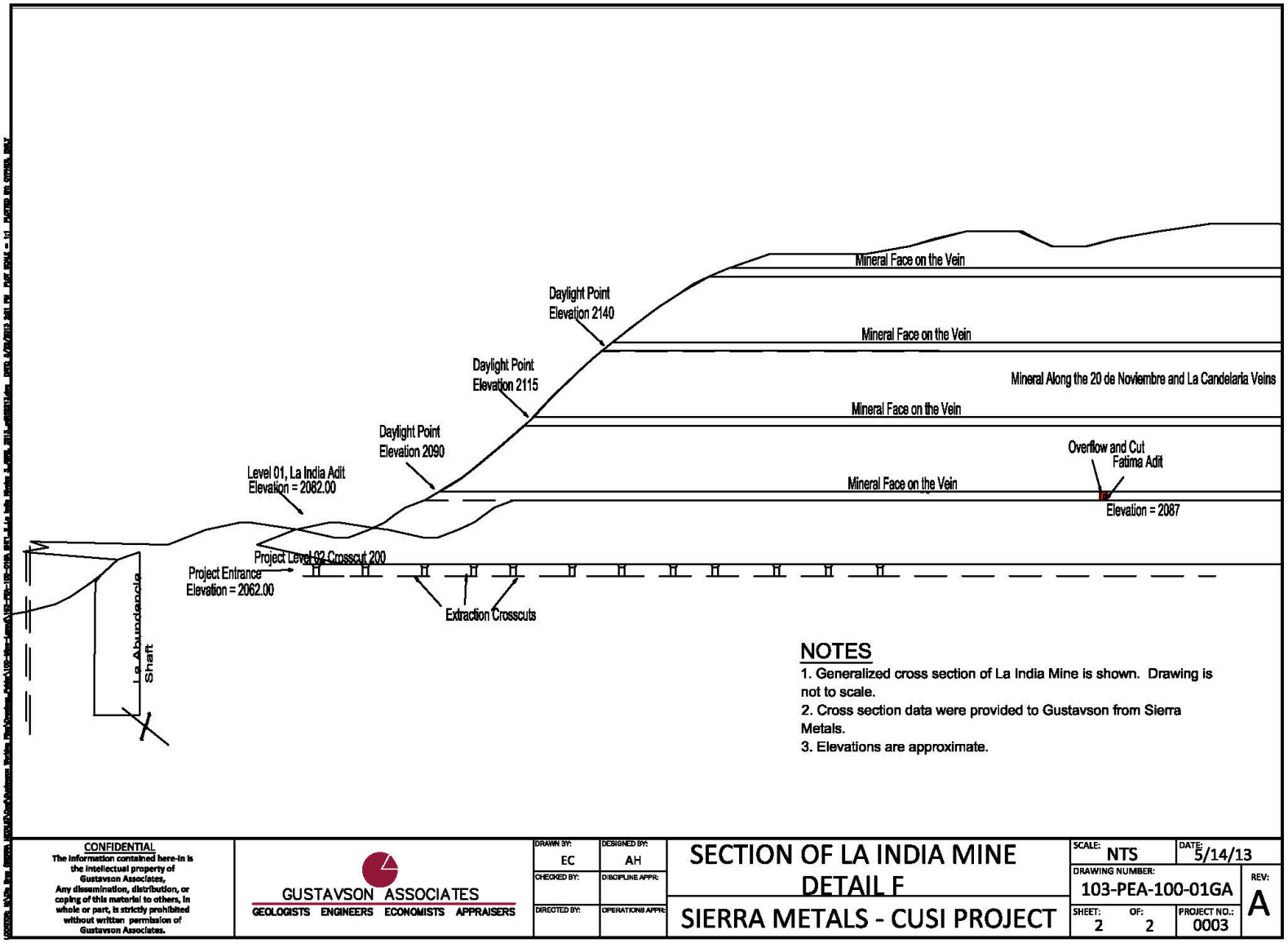


Figure 16-3 Plans and Sections Showing La India Mine
(Sheet 2 of 2)

17 Interpretation and Conclusions (Item 25)

17.1 Results

The Promontorio, Santa Eduwiges, La India, San Juan, La Gloria / Minerva, San Nicolas, and Milagro mineral resource estimates are summarized in Table 14-11.

17.1.1 Environment

While no permit is required for the tailings piles at the Malpaso Mill, the tailings pile at the Malpaso Mill may not be lined, and may pose as a potential environmental liability. Gustavson understands that Sierra Metals intends to cover the tailings dam upon completion of mining at Cusi. Gustavson recommends that Sierra Metals evaluate an environmental investigation of the tailings piles.

17.1.2 Exploration

Gustavson has reviewed Sierra Metals' drilling and sampling protocols, and identified data deficiencies. Notably, some important lithological contacts, such as the andesite-rhyodacite contact identifying the extent of the Cusi Fault or hanging/footwalls of veins, were not consistently logged. In the absence of these data, Gustavson used the surface expression of mineralized structures, occurrence of veins in underground mine workings (if available), and silver grades to identify structural boundaries. Identifying mineralized boundaries using silver grade is complicated by limited assay intervals, that is, on average, 38% of a drillhole was assayed, leaving a data gap of silver grades in assay intervals.

Gustavson has reviewed Sierra Metals' QA/QC data for assay samples and noted deficiencies in QA/QC protocols. As a result, Gustavson has made conservative estimates for classification of resources, as described in Section 17.1.3.

There is significant uncertainty in drillhole sample locations caused by lack of downhole survey control, particularly in combination with areas of complex drilling patterns and multiple drillhole orientations. This uncertainty increases the complexity of constructing mineral domains, decreases the local accuracy of the estimate, and contributes to Gustavson's conservative parameters for resource classification, as described in section 17.1.3.

17.1.3 Mineral Resource Estimate

To account for data quality deficiencies, Gustavson has made conservative estimates, including (1) assumption of those non-assayed intervals as barren; (2) consideration of underground assay data only for areas where the data are discrete; and

(3) classification of resource estimate as indicated and inferred (no measured resources).

For the two largest mineralized zones, Promontorio and Santa Eduwiges, this assumption of barren unassayed intervals is expected to produce an underestimation of the extents of stockwork mineralization. In the largest mineralized zones, Promontorio and Santa Eduwiges, drilling density is sufficiently high that it would be expected to support resources classified as measured, in the absence of data quality deficiencies.

Promontorio, Santa Eduwiges, and La India are active or former mines with known workings as shown in Section 16. For Promontorio and Santa Eduwiges, Sierra Metals provided Gustavson with 3D wireframes of mine workings.Gustavson understands that some of the deeper mine levels have not been surveyed. Gustavson worked with Sierra Metals geologists and engineers to determine a system for reducing resource tonnages within portions of the deposit with current and historic mining activity. It is expected that this system contains local inaccuracies; however it is a reasonable approach to considering mined out volumes until such time as more complete surveys of underground workings become available.

Gustavson recommends that Sierra Metals complete a survey of all workings within the Promontorio, Santa Eduwiges, and La India mine areas and prepare 3D depictions. This information would help to refine the understanding of mined out volumes, and be a significant aid in future mine planning efforts.

17.1.4 Metallurgy and Processing

Gustavson's review of reports from the Malpaso Mill indicated that the average metal recoveries at the Malpaso Mill have been 73% silver recovery and 64% lead recovery in lead concentrate. Recoveries to date have been based on processing ore from Santa Eduwiges and Promontorio mine areas, and may not be reflective of recoveries from processing ore at San Juan and La India. Gustavson is aware that there are areas within the Cusi Project area with significant gold values, however, recovery of gold has not been monitored at the Malpaso Mill and no metallurgical testing has been conducted. Gustavson recommends that Sierra Metals conducts metallurgical testing using representative ore samples from all areas expected to be mined to determine recoveries for all metals of interest.

17.1.5 Projected Economic Outcomes

The production decision at the Cusi Project area was not based on a feasibility study of Mineral Reserves demonstrating economic viability. There is an increased uncertainty and economic and technical risks of failure associated with this production decision. Production and economic variables may vary considerably, due to the absence of a

complete and detailed site according to and in compliance with NI 43-101 Standards of Disclosure specific risk analysis.

Given that the Cusi Project area is considered a producing property, Gustavson recommends that Sierra Metals prepare an NI 43-101-compliant site and economic analysis, culminating in estimation of mineral reserves estimation and a Pre-Feasibility Study.

18 Recommendations (Item 26)

18.1 Recommended Work Programs

Gustavson recommends the following as the next steps that Sierra Metals takes for the Cusi Project area:

- Conduct an assay program, including blanks and standards, for 2006-2012 drillholes. This program would include duplicate assays for confirmation of values previously analyzed at Malpaso, as well as assays of intervals of interest which are previously unsampled. These measures would increase confidence of 2006-2012 drilling data, and potentially expand mineralized zones in stockworked areas.
- Re-log the lithology of retained drill core to improve understanding of the Cusi Fault boundary.
- Conduct routine in-situ bulk density sampling.
- Continue to improve QA/QC protocols so that all additional drilling and assay data can be used without restrictions. Particular emphasis should be on consistent recording of standards and blanks submitted, submission of standards and blanks with underground sampling material as well as drill material, and development of a system for re-assay of non-compliant intervals.
- Audit and improve methods and practices for Malpaso Laboratory, including particularly sample preparation processes, data entry and data handling processes, consistency of internal reporting, and methodology for assay of exploration-grade lead and zinc.
- Consider implementation of a LIMS (Laboratory Information Management System) for automated data handling and retrieval for sample data at Malpaso.
- Conduct downhole surveys of accessible drillholes to improve understanding of downhole curvature and improve location data for drill sampling.
- Continue with exploration drilling in target areas, particularly in areas where indicated resource is discontinuous or unestimated due to lack of sufficient data density. Conduct collar and downhole surveys for all exploration drillholes, and continue the current practice of assaying all potentially mineralized intervals.
- Update of resource estimate.
- Conduct metallurgical test work for gold recovery and optimize silver recoveries, and determine recoveries from all material expected to be mined in the future.
- Conduct an analysis of mining dilution relative to the updated resource estimate for various mining processes to understand appropriate ore loss and dilution factors for consideration of reserves.
- Conduct a NI43-101-compliant site and economic analysis, culminating in reserves estimation and Pre-Feasibility Study to define and quantify mineral

reserves, evaluate mining and processing method, and opportunities for advances, expansions, and optimization of mining and processing at Cusi Project area.

The budget for the recommended work is summarized in Table 18-1.

Table 18-1 Estimated Budget for Recommended Work

Task	Cost
Conduct additional assay, and re-log of lithology of retained drill core	$20,000
Re-log of lithology of retained drill core	$5,000
Improve and Monitor QA/QC protocols	$10,000
Bulk Density Sampling	$10,000
Additional exploration drilling in target areas	$300,000
Malpaso process audit and improvements	$30,000
LIMS System implementation	$70,000
Update resource estimate	$50,000
Conduct metallurgical test work for gold recovery and optimize silver recoveries	$60,000
Conduct a Pre-Feasibility Study	$350,000
Total	**$905,000**

19 References (Item 27)

Aragonez, 2006a. Minerals Concessions Contract. Executed by Manuel Holguin Aragonez and Dia Bras Mexicana, dated May 30, 2006.

Aragonez, 2006b. Minerals Concessions Contract. Executed by Manuel Holguin Aragonez and Dia Bras Mexicana, dated December 7, 2006.

Aragonez, 2007. Minerals Concessions Contract. Executed by Manuel Holguin Aragonez and Dia Bras Mexicana, dated November 15, 2007.

Braun, 2006. *Cusi Epithermal Ag-Au District, Chihuahua, Mexico*. Prepared by Eric R. Braun for Dia Bras Exploration, dated November 26, 2006.

Ciesielski, 2007. *Geology and Geochemistry of Mineralized Zones*. Prepared by Andre P. Ciesielski for Sierra Metals Exploration Inc., dated December 2007.

Dia Bras, 2011. *Procedimiento para la Preparacion de Muestras de Mina, Geologia y Exploracion para Ensaye (Procedures for Preparation of Mine, Geology, and Exploration Samples for Assay)*. Prepared by Dia Bras Mexicana, dated 2011.

Geomaps, 2012. *Reporte Geologico de Cartografia.* Prepare by Geomaps S.A. de C.V. for Sierra Metals Exploration Inc., dated November 2012.

Geostat, 2008. *Resource Estimate Technical Report*. Prepared by Systemes Geostat International Inc. for Sierra Metals Exploration Inc., dated June 16, 2008.

Lopez, 2010. Minerals Concessions Contract. Executed by Martha Azucena Holguin Lopez and Dia Bras Mexicana, dated May 12, 2010.

Meinert, 2006. *Observations on the Cusihuiriachic District*. Prepared by Lawrence D. Meinert of Smith College for Sierra Metals Exploration Inc., dated July 6, 2006.

Meinert, 2007a. *Mineralogy, Assay, and Fluid Inclusion Characteristics of Quartz-Sulfide Veins of the Cusihuiriachic District, Chihuahua, Mexico*. Prepared by Lawrence D. Meinert for Dia Bras Exploration, Inc., dated January 17, 2007.

Meinert, 2007b. *Mineralogy of High Grade Ag Zones in the Cusihuiriachic District*. Prepared by Lawrence D. Meinert for Dia Bras Exploration, Inc., dated April 13, 2007.

Minera Cusi 2008. Minerals Concessions Contract. Executed by Minera Cusi and Dia Bras Mexicana, dated April 15, 2008.

Minera Cusi 2011. Minerals Concessions Contract. Executed by Minera Cusi and Dia Bras Mexicana, dated November 30, 2011.

Minera Cusi 2012. Minerals Concessions Contract. Executed by Minera Cusi and Dia Bras Mexicana, dated December 26, 2012.

RPA, 2006. *Technical Report on the Cusi Silver Project, Mexico*. Prepared by Scott Wilson, Roscoe Postle Associates Inc. (RPA) for Sierra Metals Exploration Inc. dated December 20, 2006.

Villalobos et al, 2006. Minerals Concessions Contract. Executed by Hector Sanchez Villalobos and Carmen Saenz Rodriguez, and Dia Bras Mexicana, dated May 2, 2006.

20 Glossary

20.1 Mineral Resources

The mineral resources and mineral reserves have been classified according to the "CIM Standards on Mineral Resources and Reserves: Definitions and Guidelines" (November 27, 2010). Accordingly, the Resources have been classified as Measured, Indicated or Inferred, the Reserves have been classified as Proven, and Probable based on the Measured and Indicated Resources as defined below.

A Mineral Resource is a concentration or occurrence of natural, solid, inorganic or fossilized organic material in or on the Earth's crust in such form and quantity and of such a grade or quality that it has reasonable prospects for economic extraction. The location, quantity, grade, geological characteristics and continuity of a Mineral Resource are known, estimated or interpreted from specific geological evidence and knowledge.

An 'Inferred Mineral Resource' is that part of a Mineral Resource for which quantity and grade or quality can be estimated on the basis of geological evidence and limited sampling and reasonably assumed, but not verified, geological and grade continuity. The estimate is based on limited information and sampling gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drillholes.

An 'Indicated Mineral Resource' is that part of a Mineral Resource for which quantity, grade or quality, densities, shape and physical characteristics can be estimated with a level of confidence sufficient to allow the appropriate application of technical and economic parameters, to support mine planning and evaluation of the economic viability of the deposit. The estimate is based on detailed and reliable exploration and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drillholes that are spaced closely enough for geological and grade continuity to be reasonably assumed.

A 'Measured Mineral Resource' is that part of a Mineral Resource for which quantity, grade or quality, densities, shape, physical characteristics are so well established that they can be estimated with confidence sufficient to allow the appropriate application of technical and economic parameters, to support production planning and evaluation of the economic viability of the deposit. The estimate is based on detailed and reliable exploration, sampling and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drillholes that are spaced closely enough to confirm both geological and grade continuity.

20.2 Mineral Reserves

A Mineral Reserve is the economically mineable part of a Measured or Indicated Mineral Resource demonstrated by at least a Preliminary Feasibility Study. This Study must include adequate information on mining, processing, metallurgical, economic and other relevant factors that demonstrate, at the time of reporting, that economic extraction can be justified. A Mineral Reserve includes diluting materials and allowances for losses that may occur when the material is mined.

A 'Probable Mineral Reserve' is the economically mineable part of an Indicated, and in some circumstances a Measured Mineral Resource demonstrated by at least a Preliminary Feasibility Study. This Study must include adequate information on mining, processing, metallurgical, economic, and other relevant factors that demonstrate, at the time of reporting, that economic extraction can be justified.

A 'Proven Mineral Reserve' is the economically mineable part of a Measured Mineral Resource demonstrated by at least a Preliminary Feasibility Study. This Study must include adequate information on mining, processing, metallurgical, economic, and other relevant factors that demonstrate, at the time of reporting, that economic extraction is justified.

20.3 Glossary

The following general mining terms may be used in this report.

Table 20-1 Glossary

Term	Definition
Assay:	The chemical analysis of mineral samples to determine the metal content.
Capital Expenditure:	All other expenditures not classified as operating costs.
Composite:	Combining more than one sample result to give an average result over a larger distance.
Concentrate:	A metal-rich product resulting from a mineral enrichment process such as gravity concentration or flotation, in which most of the desired mineral has been separated from the waste material in the ore.
Crushing:	Initial process of reducing ore particle size to render it more amenable for further processing.
Cut-off Grade (CoG):	The grade of mineralized rock, which determines as to whether or not it is economic to recover its gold content by further concentration.
Dilution:	Waste, which is unavoidably mined with ore.
Dip:	Angle of inclination of a geological feature/rock from the horizontal.
Fault:	The surface of a fracture along which movement has occurred.
Footwall:	The underlying side of an orebody or stope.
Gangue:	Non-valuable components of the ore.
Grade:	The measure of concentration of gold within mineralized rock.

Term	Definition
Hangingwall:	The overlying side of an orebody or slope.
Haulage:	A horizontal underground excavation which is used to transport mined ore.
Hydrocyclone:	A process whereby material is graded according to size by exploiting centrifugal forces of particulate materials.
Igneous:	Primary crystalline rock formed by the solidification of magma.
Kriging:	An interpolation method of assigning values from samples to blocks that minimizes the estimation error.
Level:	Horizontal tunnel the primary purpose is the transportation of personnel and materials.
Lithological:	Geological description pertaining to different rock types.
LoM Plans:	Life-of-Mine plans.
LRP:	Long Range Plan.
Material Properties:	Mine properties.
Milling:	A general term used to describe the process in which the ore is crushed and ground and subjected to physical or chemical treatment to extract the valuable metals to a concentrate or finished product.
Mineral/Mining Lease:	A lease area for which mineral rights are held.
Mining Assets:	The Material Properties and Significant Exploration Properties.
Ongoing Capital:	Capital estimates of a routine nature, which is necessary for sustaining operations.
Ore Reserve:	See Mineral Reserve.
Pillar:	Rock left behind to help support the excavations in an underground mine.
RoM:	Run-of-Mine.
Sedimentary:	Pertaining to rocks formed by the accumulation of sediments, formed by the erosion of other rocks.
Shaft:	An opening cut downwards from the surface for transporting personnel, equipment, supplies, ore and waste.
Sill:	A thin, tabular, horizontal to sub-horizontal body of igneous rock formed by the injection of magma into planar zones of weakness.
Smelting:	A high temperature pyrometallurgical operation conducted in a furnace, in which the valuable metal is collected to a molten matte or doré phase and separated from the gangue components that accumulate in a less dense molten slag phase.
Stope:	Underground void created by mining.
Stratigraphy:	The study of stratified rocks in terms of time and space.
Strike:	Direction of line formed by the intersection of strata surfaces with the horizontal plane, always perpendicular to the dip direction.
Sulfide:	A sulfur bearing mineral.
Tailings:	Finely ground waste rock from which valuable minerals or metals have been extracted.
Thickening:	The process of concentrating solid particles in suspension.
Total Expenditure:	All expenditures including those of an operating and capital nature.
Variogram:	A statistical representation of the characteristics (usually grade).

20.4 Definition of Terms

The following abbreviations may be used in this report.

Table 20-2 Abbreviations

Abbreviation	Unit or Term
A	ampere
AA	atomic absorption
A/m^2	amperes per square meter
ANFO	ammonium nitrate fuel oil
Ag	silver
Au	gold
AuEq	gold equivalent grade
°C	degrees Centigrade
CCD	counter-current decantation
CIL	carbon-in-leach
CoG	cut-off grade
cm	centimeter
cm^2	square centimeter
cm^3	cubic centimeter
cfm	cubic feet per minute
ConfC	confidence code
CRec	core recovery
CSS	closed-side setting
CTW	calculated true width
°	degree (degrees)
dia.	diameter
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
FA	fire assay
ft	foot (feet)
ft^2	square foot (feet)
ft^3	cubic foot (feet)
g	gram
gal	gallon
g/L	gram per liter
g-mol	gram-mole
gpm	gallons per minute
g/t	grams per tonne
ha	hectares
HDPE	Height Density Polyethylene
hp	horsepower
HTW	horizontal true width
ICP	induced couple plasma
ID2	inverse-distance squared
ID3	inverse-distance cubed
IFC	International Finance Corporation
ILS	Intermediate Leach Solution

Abbreviation	Unit or Term
kA	kiloamperes
kg	kilograms
km	kilometer
km2	square kilometer
koz	thousand troy ounce
kt	thousand tonnes
kt/d	thousand tonnes per day
kt/y	thousand tonnes per year
kV	kilovolt
kW	kilowatt
kWh	kilowatt-hour
kWh/t	kilowatt-hour per metric tonne
L	liter
L/sec	liters per second
L/sec/m	liters per second per meter
lb	pound
LHD	Long-Haul Dump truck
LLDDP	Linear Low Density Polyethylene Plastic
LOI	Loss On Ignition
LoM	Life-of-Mine
m	meter
m2	square meter
m3	cubic meter
masl	meters above sea level
MARN	Ministry of the Environment and Natural Resources
MDA	Mine Development Associates
mg/L	milligrams/liter
mm	millimeter
mm2	square millimeter
mm3	cubic millimeter
MME	Mine & Mill Engineering
Moz	million troy ounces
Mt	million tonnes
MTW	measured true width
MW	million watts
m.y.	million years
NGO	non-governmental organization
NI 43-101	Canadian National Instrument 43-101
OSC	Ontario Securities Commission
oz	troy ounce
%	percent
PLC	Programmable Logic Controller
PLS	Pregnant Leach Solution
PMF	probable maximum flood
ppb	parts per billion
ppm	parts per million
QA/QC	Quality Assurance/Quality Control

Abbreviation	Unit or Term
RC	rotary circulation drilling
RoM	Run-of-Mine
RQD	Rock Quality Description
SEC	U.S. Securities & Exchange Commission
sec	second
SG	specific gravity
SPT	standard penetration testing
st	short ton (2,000 pounds)
t	tonne (metric ton) (2,204.6 pounds)
t/h	tonnes per hour
t/d	tonnes per day
t/y	tonnes per year
TSF	tailings storage facility
TSP	total suspended particulates
µm	micron or microns
V	volts
VFD	variable frequency drive
W	watt
XRD	x-ray diffraction
y	year

Appendix A

Certificate of Author Forms

THOMAS C. MATTHEWS

Senior Resource Geologist

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Lakewood, Colorado 80228
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Email: tmatthews@gustavson.com

CERTIFICATE of AUTHOR

I, Thomas C. Matthews, B.Sc. do hereby certify that:

1. I am currently employed as Senior Resource Geologist by:

   Gustavson Associates, LLC
   274 Union Boulevard, Suite 450
   Lakewood, CO, USA, 80228

2. I graduated with a Bachelors of Science degree in Geology from University of Rochester in 1994.

3. I am a Qualified Professional (QP) Member of the Mining and Metallurgical Society of America (01455QP) with special expertise in Geology and Ore Reserves.

4. I have worked as a geologist for a total of 17 years since my graduation from university, as an employee of an exploration company, a mining company, and as a consultant. My relevant experience includes exploration, geologic modeling, and resource estimation, reserves definition in feasibility studies, ore control systems, and mine-model reconciliation, particularly for structurally controlled hydrothermal systems.

5. 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 association (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.

6. I am responsible for Sections 1, 2, 7 thru 12, 14, 17, and 18 of the technical report entitled “NI 43-101 Technical Report on the Cusi Mine, Chihuahua, Mexico,” dated May 9, 2014, with an effective date of December 31, 2013, (the “Technical Report”), and am also responsible for the overall organization and content of the document. I visited the project site on January 13, 2014 for two days.

7. I have not had prior involvement with the property that is the subject of the Technical Report.

8. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

9. I have read NI 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

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

11. As of the date of this certificate, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 9th day of May, 2014

/s/ Thomas C. Matthews

Signature of Qualified Person

Thomas C. Matthews

Printed Name of Qualified Person

DONALD E. HULSE, P.E.

Vice President

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Email: dhulse@gustavson.com

CERTIFICATE of AUTHOR

I, Donald E. Hulse do hereby certify that:

1. I am currently employed as Principal Mining Engineer by Gustavson Associates, LLC at:

   274 Union Boulevard
   Suite 450
   Lakewood, Colorado 80228

2. I am a graduate of the Colorado School of Mines with a Bachelor of Science in Mining Engineering (1982), and have practiced my profession continuously since 1983.

3. I am a registered Professional Engineer in the State of Colorado (35269), and a registered member of the Society of Mining Metallurgy & Exploration (1533190RM).

4. I have worked as a mining engineer for a total of 30 years since my graduation from university; as an employee of a major mining company, a major engineering company, and as a consulting engineer. I have performed resource estimation and mine planning on numerous silver and base metals deposits for over 11 mining companies in three countries working as a consultant as well as an engineer or engineering manager for the projects.

5. 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 association (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.

6. am responsible for Sections 3 thru 6, 13, 15, and 16 of the technical report entitled “NI 43-101 Technical Report on the Cusi Mine, Chihuahua, Mexico,” dated May 9, 2014, with an effective date of December 31, 2013, (the “Technical Report”), and am also responsible for the overall organization and content of the document. I visited the project site on January 13, 2014 for two days.

7. I have had prior involvement with the property that is the subject of this Technical Report. I was responsible for Sections 11 through 14 of the technical report titled "NI 43-101 Technical Report on Resources, Cusihuiriachic Property, Chihuahua, Mexico," dated August 23, 2013, and with an effective date of December 31, 2012.

8. I am independent of the issuer applying all of the tests in Section 1.5 of National Instrument 43-101.

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

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

11. As of the date of this certificate, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 9th day of May, 2014

/s/ Donald E. Hulse

Signature of Qualified Person

Donald E. Hulse

Print name of Qualified Person

Appendix B

Drillhole Data

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC06B001	10654.33	7132.342	2149	129	La India	La India	55	-50	Yes
DC06B002	10632.21	7177.383	2152.5	150	La India	La India	55	-80	Yes
DC06B003	10610.48	7222.85	2157.5	81	La India	La India	55	-50	Yes
DC06B004	10598.58	7053.041	2099	113	La India	La India	55	-80	Yes
DC06B005	10587.99	7265.587	2165	117.5	La India	La India	55	-80	No
DC06B006	10567.75	7315.973	2170	115	La India	La India	56	-60	Yes
DC06B007	10631.38	7010.495	2099	153	La India	La India	55	-50	Yes
DC06B008	10565.19	7007.131	2080	299	La India	La India	55	-50	Yes
DC06B009	10627.08	6809.038	2056.5	126	Altac	Not Used	50	-60	Yes
DC06B010	10689.45	6646.8	2038	170	Altac	Not Used	35	-60	Yes
DC06B011	10762.4	6575.588	2029	82	Altac	Not Used	35	-55	No
DC06B012	10565.19	7007.123	2080	320	La India	La India	45	-55	Yes
DC06B013	10611.97	7029.724	2094.5	224	La India	La India	55	-65	Yes
DC06B014	10508.77	7026.785	2102.5	320	La India	La India	65	-60	No
DC06B015	11489.69	7899.107	1987.965	236	San Miguel	Not Used	295	-56	Yes
DC06B016	11489.69	7899.107	1987.965	155.3	San Miguel	Not Used	270	-70	Yes
DC06B017	11532.27	7914.022	1968.935	228.12	San Miguel	Not Used	308	-63.5	Yes
DC06B018	11512.94	7991.11	1964.286	205	San Miguel	Not Used	275	-60	Yes
DC06B019	10594.17	7006.603	2084.369	143	La India	La India	55	-50	No
DC06B020	11566.36	8032.579	1955.004	71	San Miguel	Not Used	280	-61.5	No
DC06B021	11522.33	7862.891	1985.271	236	San Miguel	Not Used	278	-55.5	Yes
DC06B022	10442.99	7123.663	2138.635	268	La India	La India	55	-55	Yes
DC06B023	11522.33	7862.891	1985.271	230	San Miguel	Not Used	255	-52	Yes
DC06B024	11566.36	8032.579	1955.004	269	San Miguel	Not Used	320	-50	Yes
DC06B025	11548.18	8036.316	1956.551	66.3	San Miguel	Not Used	320	-50	No
DC06B026	11500.28	7962.743	1970.397	225	San Miguel	Not Used	280	-50	Yes
DC06B027	11523.88	7927.161	1968.604	250	San Miguel	Not Used	280	-50	Yes
DC06B028	10484.57	9114.972	2053.214	74	Santa Eduwiges	Santa Eduwiges	347	-55	No
DC06B029	10546.44	9199.128	2032.67	117	Santa Eduwiges	Santa Eduwiges	304.5	-62	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC06B030	11404.46	7653.015	2077.756	183.4	La Bamba	Not Used	287	-52	Yes
DC06B031	10599.17	9302.701	2030.872	207	Tascates	Santa Eduwiges	235	-62	Yes
DC06B032	11404.18	7645.518	2079.474	175	La Bamba	Not Used	262	-50	Yes
DC06B033	10506.47	9340.519	2064.434	94	Santa Eduwiges	Santa Eduwiges	250	-50	Yes
DC06B034	11402.94	7679.26	2073.35	209	La Bamba	Not Used	286	-52	Yes
DC06B035	10618.69	9369.891	2016.315	41	San Antonio	Santa Eduwiges	320	-50	Yes
DC06B036	11382.17	7630.549	2088.36	137	La Bamba	Not Used	288	-52	Yes
DC06B037	11370.25	7593.885	2096.864	191	La Bamba	Not Used	294.95	-52	No
DC06B038	10636.51	9337.349	2015.91	77	San Antonio	Santa Eduwiges	328.89	-50	No
DC06B039	10636.51	9337.349	2015.91	89	San Antonio	Santa Eduwiges	328.89	-60	Yes
DC06B040	11333.6	7556.375	2105.849	200	La Bamba	Not Used	295	-50	No
DC06B041	10566.76	9315.33	2045.817	93	Santa Eduwiges	Santa Eduwiges	265	-52	No
DC06B042	11367.2	7566.974	2096.192	236	La Bamba	Not Used	295	-64	No
DC06B043	11408.99	7713.588	2068.906	242	La Bamba	Not Used	290	-50	No
DC06B044	10512.08	9335.862	2064.028	256	Santa Eduwiges	Santa Eduwiges	225.8	-52	Yes
DC06B045	11421.48	7764.709	2066.767	242	La Bamba	Not Used	287	-52	Yes
DC06B046	11300.28	7522.429	2111.153	245	La Bamba	Not Used	291.3	-51	Yes
DC06B047	10330.41	9011.94	2101.178	153	Santa Eduwiges	Santa Eduwiges	309.95	-66	Yes
DC06B048	11347.92	7587.634	2105.941	213	La Bamba	Not Used	299.15	-50	Yes
DC06B049	11357.18	7616.023	2100.733	197	La Bamba	Not Used	305	-52	Yes
DC06B050	10328.57	9010.57	2100.845	177	Santa Eduwiges	Santa Eduwiges	319.4	-61	Yes
DC06B051	11292.44	7439.962	2117.467	203	La Bamba	Not Used	298.62	-51	Yes
DC06B052	10044.32	9727.61	2016.007	300	San Nicolas	San Nicolas	197	-60	Yes
DC06B053	11281.01	7503.01	2120.06	147	La Bamba	Not Used	295	-52	Yes
DC06B054	10044.32	9727.61	2016.007	156	San Nicolas	San Nicolas	183	-47	Yes
DC06B055	10044.32	9727.61	2016.007	330	San Nicolas	San Nicolas	178.77	-52	Yes
DC06B056	11305.36	7542.112	2113.43	219	La Bamba	Not Used	298.29	-45	Yes
DC06B057	10173.49	9581.412	2046.057	272	San Nicolas	San Nicolas	197.22	-58	Yes
DC06B058	11384.73	7738.439	2079.642	165	La Bamba	Not Used	315.64	-52	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC06B059	10173.01	9580.4	2046.354	275.5	San Nicolas	San Nicolas	168.9	-74	Yes
DC06B060	10093.28	9613.374	2076.666	144	San Nicolas	San Nicolas	195.73	-54	Yes
DC06B061	11415.13	7743.094	2068.805	184	La Bamba	Not Used	280	-52.5	Yes
DC06B062	10092.04	9614.767	2076.87	234	San Nicolas	San Nicolas	179	-59	Yes
DC06B063	10070.87	9625.364	2078.542	231	San Nicolas	San Nicolas	193	-54	Yes
DC06B064	10109.77	9586.386	2075.215	102	San Nicolas	San Nicolas	180	-54	Yes
DC06B065	10109.77	9586.386	2075.215	105.5	San Nicolas	San Nicolas	180	-63	Yes
DC07B066	10227.86	9565.16	2064.335	171.3	San Nicolas	San Nicolas	191.7	-54	Yes
DC07B067	10301.01	8996.7	2106.401	179	Santa Eduwiges	Santa Eduwiges	302.82	-56	Yes
DC07B068	11311.93	7633.12	2111.136	0	La Bamba	Not Used	291.55	-45	No
DC07B069	10269.52	9584.05	2060.351	275	San Nicolas	San Nicolas	191	-55	Yes
DC07B070	11354.8	7635.226	2098.606	32	La Bamba	Not Used	292	-54	Yes
DC07B071	10340.3	9590.04	2064.788	306	San Nicolas	San Nicolas	196	-53	Yes
DC07B072	11355.11	7635.09	2098.543	35	La Bamba	Not Used	296.6	-52	Yes
DC07B073	11377.05	7645.266	2088.836	44	La Bamba	Not Used	295	-52	Yes
DC07B074	11389.83	7652.56	2082.917	50	La Bamba	Not Used	301	-52	Yes
DC07B075	11355.21	7614.565	2101.77	56	La Bamba	Not Used	289.5733	-52	No
DC07B076	10404.01	9551.01	2073.484	312	San Nicolas	San Nicolas	210	-54	Yes
DC07B077	11355.82	7614.31	2101.454	71	La Bamba	Not Used	288.3508	-70	No
DC07B078	11344.13	7570.62	2105.148	56	La Bamba	Not Used	300.2666	-52	No
DC07B079	11344.75	7570.23	2104.823	78	La Bamba	Not Used	302.2008	-70	No
DC07B080	11319.68	7556.445	2113.178	30	La Bamba	Not Used	303.4	-52	No
DC07B081	10451.8	9480.8	2080.459	184	San Antonio	Santa Eduwiges	215	-49	Yes
DC07B082	11320.17	7556.097	2112.763	50	La Bamba	Not Used	212.19	-70	No
DC07B083	11263.4	7506.25	2124.792	46	La Bamba	Not Used	296.82	-52	No
DC07B084	11263.4	7506.25	2124.792	57	La Bamba	Not Used	298.2116	-70	No
DC07B085	10462.01	9471.1	2078.596	192	San Antonio	Santa Eduwiges	170	-46	Yes
DC07B086	11396.67	7579.24	2086.314	218	La Bamba	Not Used	295	-52	Yes
DC07B087	10458.4	9481.3	2077.7	360	San Antonio	Santa Eduwiges	195	-48	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC07B088	10717.9	9393.4	1989.854	206	San Antonio	Santa Eduwiges	302	-58	Yes
DC07B089	10717.9	9393.4	1989.854	233	San Antonio	Santa Eduwiges	330	-54	Yes
DC07B090	10717.9	9393.4	1989.854	317	San Antonio	Santa Eduwiges	338	-59	Yes
DC07B091	10497.56	9433.361	2068.961	239	San Antonio	Santa Eduwiges	173.5	-60	Yes
DC07B092	10607.19	9294.001	2027.552	281	Santa Eduwiges	Santa Eduwiges	353	-55	Yes
DC07B093	10572.38	9492.243	2031.138	357	Santa Marina	Santa Eduwiges	136	-50	Yes
DC07B094	10607.19	9294.01	2027.554	401	Santa Eduwiges	Santa Eduwiges	353	-72	Yes
DC07B095	10561.04	9458.158	2039.53	120	Santa Marina	Santa Eduwiges	154	-68	Yes
DC07B096	10754.7	9433.58	1976.642	162	Santa Marina	Santa Eduwiges	294.53	-70	No
DC07B097	10754.7	9433.58	1976.642	419.5	Santa Marina	Santa Eduwiges	290	-74	Yes
DC07B098	10754.7	9433.58	1976.642	369	Santa Marina	Santa Eduwiges	324	-65	Yes
DC07B099	10048.8	9910.87	1998.606	329	Promontorio	Promontorio	317	-52	Yes
DC07B100	10720.25	9389.246	1989.324	369	Santa Marina	Santa Eduwiges	299	-69	Yes
DC07B101	10113.19	9967.631	1995.479	77	Promontorio	Promontorio	300	-55	No
DC07B101B	10112.92	9967.397	1995.493	422	Promontorio	Promontorio	296	-55	Yes
DC07B102	10755.82	9299.192	1992.978	462	Santa Marina	Santa Eduwiges	304	-61	Yes
DC07B103	10705.46	9274.368	2001.249	441	Santa Marina	Santa Eduwiges	297	-68	Yes
DC07B104	10437.53	9139.36	2070.837	266	Santa Eduwiges	Santa Eduwiges	304	-60	Yes
DC07B105	9855.04	9883.09	2002.119	272	Promontorio	Promontorio	320	-52	Yes
DC07B106	10437.45	9138.735	2070.775	320	Santa Eduwiges	Santa Eduwiges	283	-52	Yes
DC07B107	10029.91	9996.993	1997.78	30	Promontorio	Promontorio	136	-60	Yes
DC07B108	10033.88	9987.248	1996.59	30	Promontorio	Promontorio	163	-54	No
DC07B109	10040.75	9996.793	1996.558	34.5	Promontorio	Promontorio	107	-54	No
DC07B110	10789.82	9252.29	1996.982	606	Santa Eduwiges	Santa Eduwiges	306	-62	Yes
DC07B111	9918.928	9921.894	2009.918	347	Promontorio	Promontorio	308	-55	Yes
DC07B112	10299.56	8994.04	2107.071	245	Santa Eduwiges	Santa Eduwiges	324	-65	Yes
DC07B113	10294.24	10033.86	1996.117	258	Promontorio	Promontorio	249	-48.5	Yes
DC07B114	10380.82	8976.056	2088.485	281	Santa Eduwiges	Santa Eduwiges	311	-54	Yes
DC07B115	9885.4	9885.71	2001.247	251	Promontorio	Promontorio	270	-56	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC07B116	10380.86	8976.65	2088.266	9	Santa Eduwiges	Santa Eduwiges	285	-56	No
DC07B116B	10380.86	8976.65	2088.266	281	Santa Eduwiges	Santa Eduwiges	285	-56	Yes
DC07B117	9806.83	9918.73	2003.648	209	Promontorio	Promontorio	324	-52	Yes
DC07B118	10786.38	9253.2	1998.784	588	Santa Marina-Santa E	Santa Eduwiges	283	-55	Yes
DC07B119	9956.5	9957.5	2032.288	268	Promontorio	Promontorio	289	-55	Yes
DC07B120	10360.58	9004.49	2092.938	181	Santa Eduwiges	Santa Eduwiges	334	-52	Yes
DC07B121	10294.76	10033.27	1996.066	154	Promontorio	Promontorio	226	-55	Yes
DC07B122	10309.15	9996.07	1994.611	205	Promontorio	Promontorio	202	-54	Yes
DC07B123	9918.03	9965.62	2031.271	202	Promontorio	Promontorio	126	-54	Yes
DC07B124	10404.54	9017.75	2083.026	257	Santa Eduwiges	Santa Eduwiges	309	-52	Yes
DC07B125	9935.26	10002.03	2025.063	145	Promontorio	Promontorio	122	-52	Yes
DC07B126	10084.64	10112.09	2007.161	140	Promontorio	Promontorio	187	-46.5	Yes
DC07B127	9936.91	9998.883	2025.857	79	Promontorio	Promontorio	330	-58.5	Yes
DC07B128	10059.26	10086.15	2004.989	86	Promontorio	Promontorio	176	-46	Yes
DC07B129	10472.97	9169.25	2078.19	191	Santa Eduwiges	Santa Eduwiges	318	-49.5	Yes
DC07B130	10786.38	9253.29	1998.784	447	Santa Eduwiges	Santa Eduwiges	283	-46	Yes
DC07B131	9934.54	9998.11	2026.136	260	Promontorio	Promontorio	327	-59.5	Yes
DC07B132	9924.01	10079.04	2009.465	324	Promontorio	Promontorio	129.5	-58	Yes
DC07B133	10474.5	9169.32	2077.587	215	Santa Eduwiges	Santa Eduwiges	13	-50	Yes
DC07B134	10473.87	9168.4	2077.481	161	Santa Eduwiges	Santa Eduwiges	344	-55.5	Yes
DC07B135	9876.87	9962.27	2030.673	128	Promontorio	Promontorio	145	-50	Yes
DC07B136	10468.88	9083.62	2061.853	263	Santa Eduwiges	Santa Eduwiges	294	-58	Yes
DC07B137	9769.837	9941.435	2005.046	221	Promontorio	Promontorio	133	-56.5	Yes
DC07B138	9769.77	9940.77	2004.94	236	Promontorio	Promontorio	155.5	-53	Yes
DC07B139	10901.5	9250.4	1976.092	578	Santa Eduwiges	Santa Eduwiges	308.4	-55	Yes
DC07B140	9807.84	9910.743	2004.176	275	Promontorio	Promontorio	131	-50.5	Yes
DC07B141	10459.48	9022.07	2066.284	359	Santa Eduwiges	Santa Eduwiges	290	-66	Yes
DC07B142	9731.45	9933.93	2015.171	146	Promontorio	Promontorio	120.5	-51.5	Yes
DC07B143	10488.91	9113.12	2051.556	328	Santa Eduwiges	Santa Eduwiges	315	-61	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC07B144	9731.34	9983.99	2006.227	185	Promontorio	Promontorio	120.5	-55	Yes
DC07B145	9688.85	9936.48	2006.1	41	Promontorio	Promontorio	135	-53	No
DC07B146	9688.68	9936.65	2006.119	302	Promontorio	Promontorio	135	-60	Yes
DC07B147	10497.3	9068.54	2053.804	302	Santa Eduwiges	Santa Eduwiges	312	-64	Yes
DC07B148	10885.9	9426.285	1983.948	167	Santa Marina	Santa Eduwiges	306	-56	No
DC07B149	10458.6	8998.41	2072.499	345	Santa Eduwiges	Santa Eduwiges	285.43	-60.5	Yes
DC07B150	9924.25	10080.08	2008.977	20	Promontorio	Promontorio	102.5	-48.5	Yes
DC07B151	9924.25	10080.08	2008.977	252	Promontorio	Promontorio	116.75	-48.5	Yes
DC07B152	10010.38	9937.6	2001.635	41	Promontorio	Promontorio	0	-90	Yes
DC07B153	10010.38	9937.6	2001.635	84	Promontorio	Promontorio	312	-75	Yes
DC07B154	9884.75	10110.79	2010.861	413	Promontorio	Promontorio	150	-59	Yes
DC07B155	9999.68	9922.87	2009.713	61	Promontorio	Promontorio	0	-90	Yes
DC07B156	10458.45	8998.58	2072.491	310	Santa Eduwiges	Santa Eduwiges	306	-68	Yes
DC07B157	9999.37	9923.06	2009.925	68	Promontorio	Promontorio	315	-75	Yes
DC07B158	9998.64	9920.67	2009.531	33	Promontorio	Promontorio	264.5	-73.5	No
DC07B159	9961.64	9891.34	2002.674	6	Promontorio	Promontorio	0	-90	Yes
DC07B160	9961.64	9891.78	2002.559	32	Promontorio	Promontorio	358	-74.5	Yes
DC07B161	9820.91	10062.81	2036.416	438	Promontorio	Promontorio	132	-58.5	Yes
DC07B162	10527.24	9139.27	2041.694	328	Santa Eduwiges	Santa Eduwiges	314	-50	Yes
DC07M002	10403.56	9271.358	2026.223	159	Santa Eduwiges	Santa Eduwiges	20.8014	-52.9999	No
DC07M003	10402.56	9271.272	2026.523	165	Santa Eduwiges	Santa Eduwiges	348.8013	-34.9999	No
DC07M004	10402.57	9271.672	2026.823	183	Santa Eduwiges	Santa Eduwiges	0.8013	-35	No
DC07M005	10404.26	9270.638	2027.013	147	Santa Eduwiges	Santa Eduwiges	52.6414	-31.6999	No
DC07M006	10400.46	9270.801	2025.723	93	Santa Eduwiges	Santa Eduwiges	290.8014	-44.9999	No
DC07M007	10483.44	9225.936	2021.588	153	Santa Eduwiges	Santa Eduwiges	315.8013	-31	No
DC07M008	10490.83	9235.357	2021.488	149	Santa Eduwiges	Santa Eduwiges	22.5614	-25	No
DC07M009	10483.65	9226.734	2020.188	129	Santa Eduwiges	Santa Eduwiges	5.9613	-13.5	No
DC07M010	10482.08	9226.245	2020.208	156	Santa Eduwiges	Santa Eduwiges	265.8013	-9.9999	No
DC07M011	10484.73	9220.488	2021.189	168	Santa Eduwiges	Santa Eduwiges	155.8013	-24	No

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC07M012	10483.95	9226.869	2021.708	162	Santa Eduwiges	Santa Eduwiges	345	-27	No
DC08B163	9953.24	9910.51	2000.11	94	Promontorio	Promontorio	158	-77	Yes
DC08B164	9961.976	9908.184	2000.94	139	Promontorio	Promontorio	129	-70	Yes
DC08B165	10527.35	9139.11	2041.625	309	Santa Eduwiges	Santa Eduwiges	315	-60	Yes
DC08B166	9720.66	9959.95	2004.939	374	Promontorio	Promontorio	133	-50.5	Yes
DC08B167	10885.32	9426.61	1983.936	483	Santa Marina	Santa Eduwiges	305	-56	Yes
DC08B168	9791.67	9933.29	2004.26	150	Promontorio	Promontorio	305	-50	Yes
DC08B169	10527.25	9139.76	2041.747	361	Santa Eduwiges	Santa Eduwiges	309	-50	Yes
DC08B170	9860.344	9972.69	2031.676	244	Promontorio	Promontorio	286.5	-52.5	Yes
DC08B171	9745.61	9984.3	2005.449	113	Promontorio	Promontorio	131	-54	Yes
DC08B172	10874.3	9447.14	1986.098	89	Santa Marina	Santa Eduwiges	291	-47.5	No
DC08B173	9662.61	9980.73	2007.437	257	Promontorio	Promontorio	126.15	-56	Yes
DC08B174	9692.85	9585.18	2135.648	223	Minerva	La Gloria	100	-53	Yes
DC08B175	10851.21	9468.37	1984.525	431	Santa Marina	Santa Eduwiges	297	-57	Yes
DC08B176	9715.34	9594.01	2136.967	341	Minerva	La Gloria	67	-51.5	Yes
DC08B177	9741.77	9552.97	2118.374	262	Minerva	La Gloria	106	-50	Yes
DC08B178	10887.21	9441.87	1986.956	480	Santa Marina	Santa Eduwiges	293	-55	Yes
DC08B179	9726.3	9545.85	2119.527	300	Minerva	La Gloria	124	-53	Yes
DC08B180	9763.64	9570.25	2118.847	248	Minerva	La Gloria	74.5	-52	Yes
DC08B181	9693.64	9583.02	2135.719	276	Minerva	La Gloria	100	-53	Yes
DC08B182	10968.74	9505.38	2008.038	594	Santa Marina	Santa Eduwiges	285	-58	Yes
DC08B183	9601.99	9950.56	2017.908	350	Promontorio	Promontorio	164	-52	Yes
DC08B184	10985.23	9455.9	2001.075	471	Santa Marina	Santa Eduwiges	284	-60.1	Yes
DC08B185	10594.95	9348.91	2027.843	63	San Antonio	Santa Eduwiges	304	-50.5	Yes
DC08B186	10166.97	8897.48	2186.641	230	Santa Eduwiges	Santa Eduwiges	309.58	-53.25	Yes
DC08B187	10194.17	8920.16	2186.452	257	Santa Eduwiges	Santa Eduwiges	284	-66.25	Yes
DC08B188	10971.28	9525.427	2007.759	501	Santa Marina	Santa Eduwiges	316.95	-60	Yes
DC08B189	10593.66	9348.577	2028.2	135	San Antonio	Santa Eduwiges	318.26	-67.27	Yes
DC08B190	10593.63	9348.58	2028.205	159	San Antonio	Santa Eduwiges	305.96	-56.82	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC08B191	10594.36	9348.821	2027.988	186	San Antonio	Santa Eduwiges	294.13	-65.21	Yes
DC08B192	10596.69	9363.46	2025.662	51.25	San Antonio	Santa Eduwiges	317.45	-65.75	Yes
DC08M013	10470.91	9295.529	2021.299	108	Santa Eduwiges	Santa Eduwiges	319.8014	-51	No
DC08M014	10471.11	9295.886	2021.389	57	Santa Eduwiges	Santa Eduwiges	330.8014	-54	No
DC08M015	10471.42	9296.131	2021.389	51	Santa Eduwiges	Santa Eduwiges	348.8014	-55	No
DC08M016	10471.93	9297.014	2021.389	108	Santa Eduwiges	Santa Eduwiges	359.8013	-30.9999	Yes
DC08M017	10473.74	9297.309	2021.289	78	Santa Eduwiges	Santa Eduwiges	19.8014	-48.9999	No
DC08M018	10470.72	9295.621	2021.489	96	Santa Eduwiges	Santa Eduwiges	333.8014	-32.9999	Yes
DC08M019	10469.09	9294.524	2023.689	96	Santa Eduwiges	Santa Eduwiges	296.8014	-43.9999	No
DC08M020	10468.19	9294.356	2021.489	111	Santa Eduwiges	Santa Eduwiges	271.8013	-56.9999	No
DC08M021	10466.71	9294.587	2021.489	96	Santa Eduwiges	Santa Eduwiges	285.8013	-31	No
DC08M022	10483.12	9225.941	2021.838	171	Santa Eduwiges	Santa Eduwiges	319.8013	-43	Yes
DC08M023	10483.12	9225.941	2021.838	171	Santa Eduwiges	Santa Eduwiges	319.8014	-52	Yes
DC08M024	10482.93	9225.644	2021.388	177	Santa Eduwiges	Santa Eduwiges	303.8013	-44.9999	Yes
DC08M025	10482.93	9225.644	2021.388	171	Santa Eduwiges	Santa Eduwiges	303.8013	-55	Yes
DC08M026	10482.53	9225.249	2021.588	207	Santa Eduwiges	Santa Eduwiges	289.8013	-44	Yes
DC08M027	10482.53	9225.249	2021.588	177	Santa Eduwiges	Santa Eduwiges	290.8014	-53.9999	Yes
DC08M028	10494.91	9252.829	2020.801	177	Santa Eduwiges	Santa Eduwiges	307.8013	-44	Yes
DC08M029	10496.12	9251.512	2020.201	162	Santa Eduwiges	Santa Eduwiges	321.8013	-44.4	Yes
DC08M030	10495	9252.167	2020.821	168	Santa Eduwiges	Santa Eduwiges	303.3013	-48	Yes
DC08M031	10473.4	9314.547	1989.814	30	Santa Eduwiges	Santa Eduwiges	309.9015	-49.9999	Yes
DC08M032	10476.48	9309.187	1990.724	90	Santa Eduwiges	Santa Eduwiges	180.9016	0.9999	Yes
DC08M033	10473.74	9314.521	1989.714	66	Santa Eduwiges	Santa Eduwiges	322.9017	-48.9999	Yes
DC08M034	10476.4	9309.809	1990.724	90	Santa Eduwiges	Santa Eduwiges	172.9016	-16.9999	Yes
DC08M035	10476.23	9309.151	1990.644	87	Santa Eduwiges	Santa Eduwiges	191.1016	-19.5	Yes
DC08M036	10235.63	9015.165	1998.58	81	Santa Eduwiges	Santa Eduwiges	350.3394	-45	Yes
DC08M037	10237.14	9018.871	1998.53	96	Santa Eduwiges	Santa Eduwiges	320.8394	-13.5	Yes
DC08M038	10233.76	9014.119	1999.06	63	Santa Eduwiges	Santa Eduwiges	306.8394	-36	Yes
DC08M039	10238.45	9009.818	2000.07	228	Santa Eduwiges	Santa Eduwiges	136.6394	1.4999	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC08M040	10240.25	9011.166	2000.12	217	Santa Eduwiges	Santa Eduwiges	102.3394	0.5	Yes
DC08M041	10239.35	9010.697	2000.58	216	Santa Eduwiges	Santa Eduwiges	121.4794	13.4399	Yes
DC08M042	10487.36	9285.157	1966.51	99	Santa Eduwiges	Santa Eduwiges	290.3013	-40.7999	Yes
DC08M043	10487.14	9284.65	1966.28	102	Santa Eduwiges	Santa Eduwiges	266.5014	-59.7999	Yes
DC08M044	10489.75	9294.455	1965.268	21	Santa Eduwiges	Santa Eduwiges	3.8014	-11	Yes
DC08M045	10489.76	9294.515	1965.228	15	Santa Eduwiges	Santa Eduwiges	3.8012	-16.0001	Yes
DC08M046	10368.29	9208.114	1979.5	66	Santa Eduwiges	Santa Eduwiges	281.83	9.8999	Yes
DC08M047	10368.29	9208.114	1979.5	57	Santa Eduwiges	Santa Eduwiges	295.2499	-34.5	Yes
DC08M048	10368.29	9208.114	1979.5	54	Santa Eduwiges	Santa Eduwiges	272.1999	-17.6	Yes
DC08M049	10368.29	9208.114	1979.5	48	Santa Eduwiges	Santa Eduwiges	265.5999	8.2	Yes
DC08M050	10368.29	9208.114	1979.5	51	Santa Eduwiges	Santa Eduwiges	257.2	-15.2999	Yes
DC08M051	10457.31	9258.795	1961.947	102	Santa Eduwiges	Santa Eduwiges	337.8013	-15.4999	Yes
DC08M052	10457.9	9258.917	1961.877	21	Santa Eduwiges	Santa Eduwiges	351.0513	-9.9999	Yes
DC08M053	10457.9	9258.917	1961.667	66	Santa Eduwiges	Santa Eduwiges	351.0513	-15	Yes
DC08M054	10504.22	9324.854	1927.35	46.2	Santa Eduwiges	Santa Eduwiges	313.9524	-44.7999	Yes
DC08M054B	10480.62	9347.607	1894.796	51	Santa Eduwiges	Santa Eduwiges	313.9524	-44.7999	Yes
DC08M055	10504.22	9324.854	1927.35	66	Santa Eduwiges	Santa Eduwiges	314.0524	15.2	Yes
DC08M056	10513.93	9332.856	1957.876	6	Santa Eduwiges	Santa Eduwiges	289.1216	-24.9998	Yes
DC08M057	10513.9	9332.705	1957.876	60	Santa Eduwiges	Santa Eduwiges	289.1214	-27.8399	Yes
DC08M058	10513.95	9332.71	1957.696	33	Santa Eduwiges	Santa Eduwiges	289.8013	-50.4999	Yes
DC08M059	10516.38	9334.126	1959.416	60	Santa Eduwiges	Santa Eduwiges	7.8013	11.9999	Yes
DC08M060	10516.3	9333.667	1957.776	78	Santa Eduwiges	Santa Eduwiges	6.4413	-36.7699	Yes
DC08M061	10517.2	9333.646	1957.761	60	Santa Eduwiges	Santa Eduwiges	338.0513	-45.46	Yes
DC08M062	10515.42	9333.667	1957.058	60	Santa Eduwiges	Santa Eduwiges	348.9313	-53.58	Yes
DC08M063	10514.58	9333.465	1957.466	60	Santa Eduwiges	Santa Eduwiges	322.2113	-52.2099	Yes
DC08M064	10513.67	9331.394	1957.816	60	Santa Eduwiges	Santa Eduwiges	258.6013	-48.24	Yes
DC08M065	10513.71	9331.723	1957.986	45	Santa Eduwiges	Santa Eduwiges	271.1714	-27.33	Yes
DC08M066	9820.711	10017.98	1996.05	20	Promontorio	Promontorio	294.28	-55.59	Yes
DC08M067	10486.91	9285.999	1966.33	78	Santa Eduwiges	Santa Eduwiges	312.1513	-57.3799	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC09B193	10596.57	9363.42	2025.692	117	San Antonio	Santa Eduwiges	355.2	-62.42	Yes
DC09B194	10595.63	9362.25	2026.017	129	San Antonio	Santa Eduwiges	332.83	-70.83	Yes
DC09B195	10667.39	9395.13	2005.578	119	San Antonio	Santa Eduwiges	306.55	-47.74	Yes
DC09B196	10667.51	9394.95	2005.574	138	San Antonio	Santa Eduwiges	300	-52.25	Yes
DC09B197	10667.51	9394.95	2005.574	36	San Antonio	Santa Eduwiges	325.22	-56.2	No
DC09B198	10665.98	9393.66	2006.121	150	San Antonio	Santa Eduwiges	325	-57.5	Yes
DC09B199	10674.5	9442.01	1997.838	101	San Antonio	Santa Eduwiges	311	-50	Yes
DC09B200	10673.2	9442.7	1998.099	149	San Antonio	Santa Eduwiges	332	-58	Yes
DC09B201	10700.01	9383.01	1996.045	163.5	San Antonio	Santa Eduwiges	312	-47.5	Yes
DC09B202	10700.01	9383.01	1996.045	77	San Antonio	Santa Eduwiges	324	-64.5	Yes
DC09B203	10700.01	9383.01	1996.045	86	San Antonio	Santa Eduwiges	348	-47	Yes
DC09B204	10665.01	9347.01	2009.353	116	San Antonio	Santa Eduwiges	12	-60.5	Yes
DC09B205	10665.01	9347.01	2009.353	101	San Antonio	Santa Eduwiges	360	-54.5	Yes
DC09B206	10114.7	9979.5	1995.07	101	Promontorio	Promontorio	40	-51	Yes
DC09B207	10665.14	9344.28	2009.459	113	San Antonio	Santa Eduwiges	351.38	-63.86	Yes
DC09B208	10114.28	9978.64	1995.104	125	Promontorio	Promontorio	51.48	-60.66	Yes
DC09B209	10115.13	9978.27	1995.1	113	Promontorio	Promontorio	61.35	-57.35	Yes
DC09B210	10665.01	9347.01	2009.353	86	San Antonio	Santa Eduwiges	350	-47	Yes
DC09B211	10115.13	9978.27	1995.1	116	Promontorio	Promontorio	27	-59	Yes
DC09B212	10665.01	9347.01	2009.353	185	San Antonio	Santa Eduwiges	338	-58	Yes
DC09B213	10665.01	9347.01	2009.353	143	San Antonio	Santa Eduwiges	328	-47	Yes
DC09B214	10115.13	9978.27	1995.1	59	Promontorio	Promontorio	359	-58	Yes
DC09B215	10115.13	9978.27	1995.1	129	Promontorio	Promontorio	40	-66	Yes
DC09B216	10673.01	9262.01	2011.596	23	La Mexicana	Santa Eduwiges	205	-64	Yes
DC09B217	10115.13	9978.27	1995.1	102	Promontorio	Promontorio	17.5	-65	No
DC09B218	10673.01	9262.01	2011.596	68	La Mexicana	Santa Eduwiges	205	-64	Yes
DC09B219	10673.01	9262.01	2011.596	65	La Mexicana	Santa Eduwiges	167.5	-55	Yes
DC09B220	10673.01	9262.01	2011.596	52	La Mexicana	Santa Eduwiges	253.5	-57	Yes
DC09B221	10673.01	9262.01	2011.596	56	La Mexicana	Santa Eduwiges	232	-71.5	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC09B222	10567.68	9212.82	2028.992	88.6	Tascates	Santa Eduwiges	319.45	-54.54	Yes
DC09B223	10115.22	9978.79	1995.083	48	Promontorio	Promontorio	3.87	-64.63	Yes
DC09B224	10568.31	9212.48	2028.552	73	Tascates	Santa Eduwiges	334.48	-63.52	Yes
DC09B225	10568.31	9212.48	2028.552	98	Tascates	Santa Eduwiges	344	-71	Yes
DC09B226	10568.3	9212.5	2028.563	83	Tascates	Santa Eduwiges	300	-65.5	Yes
DC09B227	10568.3	9212.5	2028.563	59.6	Tascates	Santa Eduwiges	21	-57	Yes
DC09B228	10598.19	9227.55	2019.44	80	Tascates	Santa Eduwiges	328	-70.5	Yes
DC09B229	10598.19	9227.55	2019.44	53	Tascates	Santa Eduwiges	299.15	-49.07	Yes
DC09B230	10598.52	9227.06	2019.451	96	Tascates	Santa Eduwiges	295.82	-70.15	No
DC09B231	10597.78	9228.52	2019.394	80	Tascates	Santa Eduwiges	343.8	-67.9	Yes
DC09B232	10597.66	9228.98	2019.365	74	Tascates	Santa Eduwiges	345.12	-54.87	No
DC09B233	10628.45	9239.98	2018.839	38	Tascates	Santa Eduwiges	304.55	-63.68	No
DC09B234	10628.69	9240.26	2018.767	77	Tascates	Santa Eduwiges	328.67	-69.4	No
DC09B235	10210.95	9935.58	1992.729	107	Promontorio	Promontorio	357.1	-54.33	Yes
DC09B236	10628.59	9240.64	2018.65	89	Tascates	Santa Eduwiges	349.22	-65.2	Yes
DC09B237	10210.45	9935.01	1992.812	116	Promontorio	Promontorio	24.25	-60.37	Yes
DC09B238	10688.53	9260.53	2012.238	44	La Mexicana	Santa Eduwiges	171.88	-53.9	No
DC09B239	10210.35	9934.83	1992.837	179	Promontorio	Promontorio	24.25	-74	Yes
DC09B240	10689.02	9259.53	2012.902	61	La Mexicana	Santa Eduwiges	168.37	-60.77	Yes
DC09B241	10687.8	9259.16	2013.116	59	La Mexicana	Santa Eduwiges	252.17	-71.15	Yes
DC09B242	10650.28	9290.98	2009.089	65	La Mexicana	Santa Eduwiges	158.55	-52.82	Yes
DC09B243	10210.08	9934.986	1992.825	149	Promontorio	Promontorio	58.52	-65.77	No
DC09B244	10209.86	9934.49	1992.889	191	Promontorio	Promontorio	46.78	-72.48	Yes
DC09B245	10649.64	9290.73	2009.23	53	La Mexicana	Santa Eduwiges	172.23	-51.02	No
DC09B246	10649.78	9292.38	2009.652	62	La Mexicana	Santa Eduwiges	193.45	-63.8	Yes
DC09B247	10211.55	9934.13	1992.892	192	Promontorio	Promontorio	350.12	-72.9	Yes
DC09B248	10648.8	9291.92	2009.906	68	La Mexicana	Santa Eduwiges	216.3	-52.3	Yes
DC09B249	10598.32	9301.42	2031.373	137	San Antonio	Santa Eduwiges	306.58	-65.2	Yes
DC09B250	10208.02	9931.21	1993.294	98	Promontorio	Promontorio	23.1	-49.87	No

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC09B251	10208.92	9931.14	1993.298	125	Promontorio	Promontorio	40.75	-49.83	Yes
DC09B252	10598.59	9301.27	2031.229	162	San Antonio	Santa Eduwiges	312.006	-69.61	No
DC09B253	10208.75	9930.71	1993.348	182	Promontorio	Promontorio	48.85	-68.97	No
DC09B254	10598.68	9300.97	2031.188	204.5	San Antonio	Santa Eduwiges	323.57	-67.95	Yes
DC09B255	10209.19	9931.38	1993.268	176	Promontorio	Promontorio	356.12	-70.96	No
DC09B256	10599.31	9301.74	2030.823	207.1	San Antonio	Santa Eduwiges	324.91	-59.55	Yes
DC09B257	10200.76	9911.53	1995.229	221.6	Promontorio	Promontorio	26.38	-69.38	Yes
DC09B258	10200.04	9912.08	1995.2	206.8	Promontorio	Promontorio	356.6	-67.86	Yes
DC09B259	10599.33	9301.47	2030.819	138.8	San Antonio	Santa Eduwiges	334.8	-64.93	Yes
DC09B260	10200.93	9912.82	1995.082	121	Promontorio	Promontorio	65.39	-68.2	No
DC09B261	10599.4	9301.58	2030.778	159	San Antonio	Santa Eduwiges	315.95	-68.66	Yes
DC09B262	10173.21	9922.87	1994.873	71	Promontorio	Promontorio	133.56	-68.31	No
DC09M068	10511.29	9271.516	1954.03	60	Santa Eduwiges	Santa Eduwiges	329.5471	-28.2699	Yes
DC09M069	10511.21	9271.579	1953.89	60	Santa Eduwiges	Santa Eduwiges	330.2872	-50.13	Yes
DC09M070	10509.09	9270.034	1953.99	60	Santa Eduwiges	Santa Eduwiges	260.4972	-36.1	Yes
DC09M071	10508.18	9268.668	1953.59	21	Santa Eduwiges	Santa Eduwiges	259.107	-71.5198	No
DC09M072	10508.04	9268.561	1953.59	57	Santa Eduwiges	Santa Eduwiges	247.6272	-69.3401	Yes
DC09M073	10513.73	9272.042	1953.47	54	Santa Eduwiges	Santa Eduwiges	18.6673	-74.07	Yes
DC09M074	10512.91	9267.192	1953.49	69	Santa Eduwiges	Santa Eduwiges	147.6072	-77.1099	Yes
DC09M075	10509.81	9267.734	1954.03	81	Santa Eduwiges	Santa Eduwiges	199.5172	-68.9999	Yes
DC09M076	10514.87	9266.4	1954.19	60	Santa Eduwiges	Santa Eduwiges	157.5172	10.4999	Yes
DC09M077	10514.87	9266.82	1955.04	66	Santa Eduwiges	Santa Eduwiges	310.7472	10.22	Yes
DC09M078	10514.87	9266.4	1954.19	69	Santa Eduwiges	Santa Eduwiges	121.5172	-12.9999	Yes
DC09M079	10454.13	9253.249	1960.931	21	Santa Eduwiges	Santa Eduwiges	345.8015	-51.9998	Yes
DC09M080	10454.13	9253.249	1960.931	33	Santa Eduwiges	Santa Eduwiges	345.8013	-52.0001	Yes
DC09M081	10454.13	9253.249	1960.931	39	Santa EduWiges	Santa Eduwiges	347.8013	-62.0001	Yes
DC09M082	10515.42	9333.57	1957.516	30	Santa Marina	Santa Eduwiges	287.3014	-44.9999	Yes
DC09M083	10515.42	9333.57	1957.516	60	Santa Marina	Santa Eduwiges	287.3013	-44.9999	Yes
DC09M084	10513.78	9332.002	1957.616	39	Santa Marina	Santa Eduwiges	271.0514	-44.22	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC09M085	10514.03	9332.909	1957.416	32	Santa Marina	Santa Eduwiges	297.8215	-65.0002	No
DC09M086	10501.76	9362.063	1955.828	30	Santa Marina	Santa Eduwiges	1.9713	2.12	No
DC09M087	10485.08	9299.86	1950.514	33	Santa Rosa	Santa Eduwiges	10.5171	-54.8199	Yes
DC09M088	10485.43	9298.801	1950.854	33	Santa Rosa	Santa Eduwiges	21.1971	-30.1599	Yes
DC09M089	10483.4	9301.535	1951.024	37	Santa Eduwiges	Santa Eduwiges	350.7172	-35.1499	No
DC09M090	10483.41	9301.505	1949.844	20	Santa Eduwiges	Santa Eduwiges	353.2572	-35.3999	No
DC10B263	10599.75	9301.58	2030.586	135	San Antonio	Santa Eduwiges	325.9	-74.5	No
DC10B264	10173.72	9952.47	1993.429	86	Promontorio	Promontorio	15.98	-53.97	No
DC10B265	10173.53	9951.65	1993.488	206	Promontorio	Promontorio	12.01	-82.24	Yes
DC10B266	10599.77	9301.82	2030.568	146	San Antonio	Santa Eduwiges	344.61	-77.39	Yes
DC10B267	10172.01	9951.83	1993.616	193	Promontorio	Promontorio	352.58	-73.36	Yes
DC10B268	10599.8	9301.88	2030.55	146	San Antonio	Santa Eduwiges	359.99	-66.76	Yes
DC10B269	9840.41	10006.72	2041.566	112	El Gallo	Promontorio	262.33	-69.75	Yes
DC10B270	9839.72	10007.71	2041.838	80	El Gallo	Promontorio	280.86	-46.51	No
DC10B271	10608.85	9298.04	2027.983	147	San Antonio	Santa Eduwiges	2.17	-77.48	Yes
DC10B272	9840.53	10007.63	2041.816	117	El Gallo	Promontorio	279.36	-76.4	Yes
DC10B273	9812.22	9965.53	2022.151	80	El Gallo	Promontorio	328.78	-54.59	Yes
DC10B274	10609.23	9298.84	2028.095	167	San Antonio	Santa Eduwiges	21.76	-69.01	Yes
DC10B275	9839.74	10007.11	2041.671	78	El Gallo	Promontorio	310.87	-55	Yes
DC10B276	9839.97	10006.91	2041.624	111	El Gallo	Promontorio	310.87	-70.34	Yes
DC10B277	9812.89	9964.5	2021.92	92	El Gallo	Promontorio	312.4	-72.91	Yes
DC10B278	9813.04	9964.05	2021.808	71	El Gallo	Promontorio	284.54	-61.15	Yes
DC10B279	9841.55	10005.62	2041.241	131	El Gallo	Promontorio	328.93	-71.5	Yes
DC10B280	10586.46	9374.41	2025.866	78	Santa Marina	Santa Eduwiges	307.19	-56.5	Yes
DC10B281	9812.75	9964.36	2021.878	107	El Gallo	Promontorio	264.66	-78.1	Yes
DC10B282	10587.06	9374.03	2025.822	114	Santa Marina	Santa Eduwiges	307.68	-70.2	Yes
DC10B283	9903.32	9953.21	2032.072	179	El Gallo	Promontorio	309.72	-50.38	No
DC10B284	9805.54	9970.19	2022.259	65	El Gallo	Promontorio	311.73	-48.9	No
DC10B285	9807.35	9969.53	2022.4	116	El Gallo	Promontorio	281.87	-70.35	No

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC10B286	9903.1	9953.19	2032.068	188	El Gallo	Promontorio	317.36	-50.39	Yes
DC10B287	9858.84	9892.17	2003.437	164	El Gallo	Promontorio	322.42	-56.2	No
DC10B288	9862.44	9889.44	2002.65	170	El Gallo	Promontorio	301.24	-57.5	Yes
DC10B289	9880.85	9911.26	2007.74	161	El Gallo	Promontorio	328.52	-54.25	No
DC10B290	10586.38	9374.98	2025.744	74	Santa Marina	Santa Eduwiges	326.53	-47.19	Yes
DC10B291	9862.37	9889.38	2002.646	148	El Gallo	Promontorio	292.93	-49.83	Yes
DC10B292	10586.63	9374.61	2025.779	57	Santa Marina	Santa Eduwiges	326.34	-66.18	Yes
DC10B293	10586.97	9374.77	2025.664	80	Santa Marina	Santa Eduwiges	350.36	-53.24	Yes
DC10B294	9862.73	9888.83	2002.582	155	El Gallo	Promontorio	278.47	-58.47	Yes
DC10B295	9879.82	9910.02	2007.07	152	El Gallo	Promontorio	303.37	-49.46	Yes
DC10B296	9862.7	9888.93	2002.593	155	El Gallo	Promontorio	274.55	-49.52	Yes
DC10B297	9168.93	10366.13	2023.541	165	San Juan	San Juan	147.31	-78.04	Yes
DC10B298	10597.97	9401.91	2018.263	69	Santa Marina	Santa Eduwiges	304.8	-47.58	No
DC10B299	10597.95	9402.48	2018.495	72	Santa Marina	Santa Eduwiges	320.15	-73.19	Yes
DC10B300	10597.64	9403.04	2018.869	42	Santa Marina	Santa Eduwiges	325.12	-47.31	Yes
DC10B301	9864.12	9888.39	2002.494	173	El Gallo	Promontorio	229.03	-54.38	Yes
DC10B302	9168.52	10366.66	2023.732	86	San Juan	San Juan	143.74	-59.69	Yes
DC10B303	10674.17	9435.134	1998.336	81	Santa Eduwiges	Santa Eduwiges	329.73	-64.45	No
DC10B304	9168.93	10366.11	2023.539	102	San Juan	San Juan	143.74	-71	Yes
DC10B305	10674.36	9434.94	1998.275	90	Santa Eduwiges	Santa Eduwiges	333.87	-72.95	Yes
DC10B306	9169.03	10365.97	2023.493	204	San Juan	San Juan	0	-90	Yes
DC10B307	10674.48	9434.65	1998.238	161	Santa Eduwiges	Santa Eduwiges	335.63	-78	Yes
DC10B308	9151.53	10346.57	2024.273	174	San Juan	San Juan	140.12	-52.6	No
DC10B309	9151.09	10346.91	2024.238	87	San Juan	San Juan	146.18	-68.6	Yes
DC10B310	9171.28	10370.05	2023.226	188	San Juan	San Juan	97.29	-79.23	Yes
DC10B311	9151.06	10346.92	2024.237	182	San Juan	San Juan	147.77	-79.55	Yes
DC10B312	9168.75	10369.68	2023.924	150	San Juan	San Juan	97.98	-69.15	Yes
DC10B313	9150.89	10347.2	2024.214	150	San Juan	San Juan	0	-90	Yes
DC10B314	9849.66	9524.33	2066.51	110	Minerva	La Gloria	94.19	-81.02	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC10B315	9013.84	10282.01	2038.325	96.2	San Juan	San Juan	149.78	-58.83	Yes
DC10B316	9014.83	10281.46	2038.101	104	San Juan	San Juan	149.3	-68.1	Yes
DC10B317	9850.09	9524.4	2066.38	74	Minerva	La Gloria	85.14	-58.74	Yes
DC10B318	9014.75	10281.6	2038.126	110	San Juan	San Juan	150.9	-78.86	Yes
DC10B319	9014.664	10281.73	2038.151	151	San Juan	San Juan	0	-90	Yes
DC10B320	9550.01	9524.28	2154.74	122	Minerva	La Gloria	72.26	-80.3	Yes
DC10B321	9125.77	10339.9	2026.021	160	San Juan	San Juan	144.94	-58.21	No
DC10B322	9850.1	9524.33	2066.334	144	MINERVA	La Gloria	72.26	-68.46	No
DC10B323	9125.77	10339.9	2026.021	137	San Juan	San Juan	144.94	-58.21	Yes
DC10B324	9851.11	9524.44	2066.062	101	MINERVA	La Gloria	78.53	-58.61	No
DC10B325	9125.46	10340.36	2026.105	170	San Juan	San Juan	0	-90	Yes
DC10B326	9125.46	10340.36	2026.105	185	San Juan	San Juan	78.53	-80	Yes
DC10B327	9097.95	10335.67	2029.314	173	San Juan	San Juan	147.44	-85.5	Yes
DC10B328	9885.37	9884.04	2001.254	239	El Gallo	Promontorio	296.01	-64.43	Yes
DC10B329	9098.06	10335.5	2029.275	140	San Juan	San Juan	147.44	-73.46	Yes
DC10B330	9885.56	9883.93	2001.257	269	El Gallo	Promontorio	296.94	-74.77	Yes
DC10B331	9097.8	10335.91	2029.37	158	San Juan	San Juan	144.06	-82.8	Yes
DC10B332	10742.26	9290.284	1991.64	401	Santa Marina	Santa Eduwiges	312.0997	-67	Yes
DC10B333	9078.376	10321.4	2030.024	121	San Juan	San Juan	145.17	-64.19	Yes
DC10B334	9078.157	10321.71	2030.066	144	San Juan	San Juan	145.51	-78.84	Yes
DC10B335	9885.5	9883.965	2001.256	301	El Gallo	Promontorio	297.7	-78.41	Yes
DC10B336	9078.115	10321.79	2030.076	140	San Juan	San Juan	144.155	-84.789	Yes
DC10B337	9885.768	9883.821	2001.261	137	El Gallo	Promontorio	278.551	-88.591	Yes
DC10B338	9858.345	9880.276	2001.957	155	El Gallo	Promontorio	296.19	-63.8058	No
DC10B339	10742.19	9290.377	1993.094	452	Santa Eduwiges	Santa Eduwiges	312.6811	-71.7797	Yes
DC10B340	9078.055	10321.89	2030.088	203	San Juan	San Juan	138.9	-89.3475	Yes
DC10B341	9858.261	9881.045	2002.013	296	El Gallo	Promontorio	295.0106	-74.3222	No
DC10M091	10480.31	9298.286	1950.644	90	Santa Eduwiges	Santa Eduwiges	299.1872	-38.2599	No
DC10M092	10480.53	9297.47	1950.244	89	Santa Eduwiges	Santa Eduwiges	281.3072	-50.3299	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC10M093	10571.53	9313.01	1937.16	35	Santa Eduwiges	Santa Eduwiges	316.8325	-33.8799	Yes
DC10M094	10571.8	9312.71	1937.09	86	Santa Eduwiges	Santa Eduwiges	316.9424	-47.71	No
DC10M095	10572.39	9312.126	1937.04	108	Santa Marina	Santa Eduwiges	324.4223	-79.32	No
DC10M096	10571.05	9311.118	1937.1	132	Santa Marina	Santa Eduwiges	289.0325	-79.5299	No
DC11B342	9053.037	10314.88	2032.05	170	San Juan	San Juan	141.5408	-62.9731	Yes
DC11B343	9858.96	9880.027	2001.932	305	El Gallo	Promontorio	327.08	-88.08	Yes
DC11B344	9052.786	10315.18	2032.095	116	San Juan	San Juan	145.2092	-76.5925	Yes
DC11B345	9052.574	10315.39	2032.13	209	San Juan	San Juan	215.2139	-88.568	Yes
DC11B346	10741.93	9290.626	1993.109	159	Santa Eduwiges	Santa Eduwiges	313.2014	-57.18	Yes
DC11B347	9027.422	10306.56	2037.314	95	San Juan	San Juan	118.5447	-61.4553	Yes
DC11B348	10717.73	9393.394	1989.932	253	Santa Marina	Santa Eduwiges	325.2925	-59.8839	Yes
DC11B349	9027.2	10306.86	2037.495	137	San Juan	San Juan	147.8283	-75.6283	Yes
DC11B350	9027.036	10307.14	2033.517	212	San Juan	San Juan	176.8203	-89.045	Yes
DC11B351	8984.993	10279.94	2042.355	120	San Juan	San Juan	149.4453	-61.9056	Yes
DC11B352	9836.219	9886.595	2002.705	197	El Gallo	Promontorio	294.0128	-61.6408	No
DC11B353	9836.904	9886.348	2002.631	261	El Gallo	Promontorio	294.3453	-79.1178	Yes
DC11B354	10717.83	9393.277	1986.603	39	Santa Marina	Santa Eduwiges	325.5158	-70.3578	No
DC11B355	8984.862	10280.13	2042.333	165	San Juan	San Juan	150.8656	-69.27	Yes
DC11B356	10042.01	9771.39	2009.152	480.4	El Gallo	Promontorio	302.4861	-70.92	No
DC11B357	8984.509	10280.56	2042.074	212	San Juan	San Juan	216.2317	-86.88	Yes
DC11B358	8960	10269	2046.595	78	San Juan	San Juan	150.7114	-60.5158	Yes
DC11B359	8959.943	10269.48	2046.533	137.7	San Juan	San Juan	150.7114	-71.7714	Yes
DC11B360	9988.154	10055.81	1999.093	132	Promontorio	Promontorio	15.5939	-88.2458	Yes
DC11B361	9087.08	10435.35	2038.72	357.4	San Juan	San Juan	108.7347	-75.2708	Yes
DC11B362	10022.91	10019.43	1997.34	17	Promontorio	Promontorio	296.9733	-89.0586	No
DC11B363	10035.43	10069.94	2005.15	139.4	Promontorio	Promontorio	184.5	-75.9261	Yes
DC11B364	10746.19	9302.493	1992.001	338.5	La Mexicana	Santa Eduwiges	201.2908	-57.8975	Yes
DC11B365	10049.15	10179.46	2024.598	145.35	Promontorio	Promontorio	83.6111	-50.7106	Yes
DC11B366	10042.37	9779.664	2007.966	308.5	Promontorio	Promontorio	208.52	-88.1633	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC11B367	9086.314	10433.97	2038.954	363	San Juan	San Juan	127.4553	-73.7864	Yes
DC11B368	10601.84	9227.206	2018.63	135.8	Carta Blanca	Santa Eduwiges	145.87	-45.75	Yes
DC11B369	10043.6	9768.594	2010.285	305.8	Promontorio	Promontorio	198.7994	-58.7742	Yes
DC11B370	10601.3	9227.8	2018.473	233.95	La Mexicana	Santa Eduwiges	148.7	-48.65	Yes
DC11B371	10746.23	9302.679	1991.971	242.85	La Mexicana	Santa Eduwiges	205.0417	-64.6311	Yes
DC11B372	10044.7	10093.28	2009.908	131.15	Promontorio	Promontorio	177.7514	-73.8928	Yes
DC11B373	10043.07	9973.699	1996.742	55.5	Promontorio	Promontorio	244.4897	-88.5561	No
DC11B374	10014.81	9862.593	1999.426	461.75	Promontorio	Promontorio	4.0717	-70.6008	Yes
DC11B375	9376.819	10232.19	2014.622	203.25	Zona 210	San Nicolas	259.8222	-52.0883	Yes
DC11B376	10745.38	9300.154	1992.159	315.8	La Mexicana	Santa Eduwiges	225.8106	-48.6744	Yes
DC11B377	9085.934	10433.42	2039.001	351	San Juan	San Juan	151.2225	-73.5783	Yes
DC11B378	9374.611	10220.75	2013.378	204.95	Zona 210	San Nicolas	228.8156	-59.5603	Yes
DC11B379	10014.82	9862.866	1999.461	338.6	Promontorio	Promontorio	2.4567	-59.4742	Yes
DC11B380	9931.235	10077.78	2007.994	206.1	Promontorio	Promontorio	120.5994	-53.4475	Yes
DC11B381	10017.29	9862.335	1998.419	169.3	Promontorio	Promontorio	4.1964	-50.5867	Yes
DC11B382	9379.778	10236.24	2014.477	200.5	Zona 210	San Nicolas	285.9181	-79.695	Yes
DC11B383	9930.428	10075.62	2008.422	7	Promontorio	Promontorio	119.6864	-62.5	No
DC11B384	9930.808	10078.03	2008.148	394.85	Promontorio	Promontorio	119.8389	-62.9689	Yes
DC11B385	10051.08	9906.609	1998.251	258.5	Promontorio	Promontorio	3.0159	-69.8231	Yes
DC11B386	10610.71	7028.336	2094.1	333.3	La India	La India	55.2003	-58.4156	Yes
DC11B387	10048.79	9907.005	1998.99	203.65	Promontorio	Promontorio	355.8208	-65.1647	Yes
DC11B388	9929.996	10075.87	2008.508	44.9	Promontorio	Promontorio	118.9258	-70.201	No
DC11B389	10043.02	9973.686	1996.74	60.6	Promontorio	Promontorio	70.055	-89.6628	Yes
DC11B390	9930.453	10078.27	2008.107	227.9	Promontorio	Promontorio	119.1244	-70.2194	Yes
DC11B391	10042.33	9973.96	1996.663	73.1	Promontorio	Promontorio	0	-90	Yes
DC11B392	10184.46	9895.168	1997.146	203.95	Promontorio	Promontorio	153.6253	-88.8542	Yes
DC11B393	10181.41	9893.887	1997.751	383.85	Promontorio	Promontorio	301.6036	-49.8478	Yes
DC11B394	9876.072	10064.86	2026.869	221.3	Promontorio	Promontorio	126.7147	-55.2661	Yes
DC11B395	9930.327	10078.58	2008.029	502.3	Promontorio	Promontorio	123.275	-76.1133	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC11B396	9085.162	10433.04	2039.207	306	San Juan	San Juan	172.7953	-70.3461	Yes
DC11B397	10114.85	9973.503	1994.733	270.9	Promontorio	Promontorio	264.1564	-68.1603	Yes
DC11B398	9848.887	10040.33	2039.765	208.15	Promontorio	Promontorio	128.4606	-54.0578	Yes
DC11B399	10114.49	9972.782	1995.591	78.9	Promontorio	Promontorio	104.3728	-88.9972	No
DC11B400	10114.47	9972.777	1995.595	355.1	Promontorio	Promontorio	113.7292	-88.7239	Yes
DC11B401	9930.161	10078.85	2008.06	413.1	Promontorio	Promontorio	115.1025	-84.6831	Yes
DC11B402	9852.94	9973.341	2030.089	481.35	Promontorio	Promontorio	99.0761	-88.8542	Yes
DC11B403	10566.31	7010.542	2080.758	388.95	La India	La India	64.0572	-58.0978	Yes
DC11B404	9023.24	10371.34	2060.27	384	San Juan	San Juan	159.9	-68.55	Yes
DC11B405	9928.463	10079.86	2008.24	329.85	Promontorio	Promontorio	120.4708	-69.831	Yes
DC11B406	9874.001	10062.26	2027.444	430.5	Promontorio	Promontorio	132.45	-69.84	Yes
DC11B407	9939.761	9968.783	2032.871	469.1	Promontorio	Promontorio	349.7792	-87.3661	Yes
DC11B408	9984.9	10008.63	2010.083	27	Promontorio	Promontorio	218.885	-27.4642	Yes
DC11B409	9814.884	9967.844	2020.98	120.55	Promontorio	Promontorio	0	-90	Yes
DC11B410	9874.052	10065.83	2026.894	422.85	Promontorio	Promontorio	203.1481	-89.4031	Yes
DC11B411	9817.612	9966.769	2021.022	371.1	Promontorio	Promontorio	125.7833	-69.7008	Yes
DC11B412	10076.92	9980.22	1996.811	114	Promontorio	Promontorio	296.8228	-56.1394	Yes
DC11B413	10745.59	9300.739	1992.089	315	La Mexicana	Santa Eduwiges	235.8381	-58.6656	Yes
DC11B414	10597.19	6953.513	2084.2	382	La India	La India	93.0508	-59.95	Yes
DC11B415	9031.415	10425.71	2056.222	300	San Juan	San Juan	155.3364	-68.88	Yes
DC11B416	9850.147	9976.688	2030.628	379.15	Promontorio	Promontorio	122.2569	-69.9069	Yes
DC11B417	10076.96	9980.178	1996.828	21	Promontorio	Promontorio	294.2	-65.1575	Yes
DC11B418	10076.83	9980.297	1996.829	102	Promontorio	Promontorio	296.7344	-46.3867	Yes
DC11B419	10037.16	9963.788	1997.81	42	Promontorio	Promontorio	300.3606	-45.0414	Yes
DC11B420	9031.438	10425.57	2056.141	180	San Juan	San Juan	154.3883	-59.4047	Yes
DC11B421	10037.3	9963.715	1997.75	102	Promontorio	Promontorio	300	-60	Yes
DC11B422	10037.43	9963.636	1997.807	48	Promontorio	Promontorio	286.3231	-84.4556	Yes
DC11B423	10597.69	6953.48	2084.326	317	La India	La India	93.1864	-46.1272	Yes
DC11B424	10024.86	9949.308	1997.939	81	Promontorio	Promontorio	298.255	-45.3361	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC11B425	10024.86	9949.308	1997.939	102	Promontorio	Promontorio	298.455	-60	Yes
DC11B426	10024.96	9949.253	1997.906	72	Promontorio	Promontorio	300.5028	-74.3042	Yes
DC11M097	10439.8	9294.158	1939.071	33	Santa Eduwiges	Santa Eduwiges	295.8258	-76.6417	No
DC11M098	10439.95	9294.277	1939.108	36	Santa Eduwiges	Santa Eduwiges	337	-77.5	No
DC11M099	10439.98	9294.263	1939.104	72	Santa Eduwiges	Santa Eduwiges	297.0958	-89.2361	No
DC11M100	10443.28	9289.375	1939.623	10.5	Santa Eduwiges	Santa Eduwiges	140.0894	-34	No
DC11M101	10443.44	9289.191	1939.651	90	Santa Eduwiges	Santa Eduwiges	140.0894	-45.4061	No
DC11M102	10442.61	9289.029	1939.998	153	Santa Marina	Santa Eduwiges	173.592	-43.0908	No
DC11M103	10525.19	9274.581	1974.761	169.5	Tascates	Santa Eduwiges	141.1636	-35.56	No
DC11M104	10525.26	9274.581	1974.486	161	Tascates	Santa Eduwiges	140.7881	-48.717	No
DC11M105	10508.4	9269.926	1954.374	114	Santa Marina II	Santa Eduwiges	275.5292	-34.5083	No
DC11M106	10507.6	9266.042	1954.197	126	Santa Eduwiges	Santa Eduwiges	235.5697	-41.8014	No
DC12B427	9995.722	9922.732	2007.965	54	Promontorio	Promontorio	301.4233	-45	Yes
DC12B428	9995.722	9922.732	2007.965	148.5	Promontorio	Promontorio	301.3356	-59.6219	Yes
DC12B429	10597.11	6955.299	2084.23	207	La India	La India	65.4306	-48.3492	Yes
DC12B430	9655.765	9916.867	2027.358	177	El Gallo	Promontorio	147.44	-34.3803	Yes
DC12B431	10667.02	7211.144	2178.462	157	La India	La India	60.0739	-48.7867	Yes
DC12B432	10025.15	9949.465	1997.913	93	Promontorio	Promontorio	359.0747	-49.5458	Yes
DC12B433	9655.566	9917.183	2030.075	318	El Gallo	Promontorio	148.0417	-46.2111	Yes
DC12B434	10666.39	7210.778	2178.519	129	La India	La India	60.0014	-68.6972	Yes
DC12B435	10025.15	9949.765	1997.913	54	Promontorio	Promontorio	359.0747	-40	Yes
DC12B436	10019.11	10067.74	2005.431	85	Promontorio	Promontorio	181.7167	-65.2831	Yes
DC12B437	10019.12	10068.07	2005.42	85.5	Promontorio	Promontorio	181.7167	-74.9833	Yes
DC12B438	10675.19	7196.483	2177.509	126	La India	La India	57.0486	-53.6847	Yes
DC12B439	9998.419	10078.67	2005.512	228	Promontorio	Promontorio	176.9094	-75.4897	Yes
DC12B440	9654.03	9916.824	2030.258	318	El Gallo	Promontorio	160.3028	-43.4803	Yes
DC12B441	10720.11	9427.993	1977.878	201	Santa Eduwiges	Santa Eduwiges	267.9042	-54.5978	Yes
DC12B442	9804.214	9977.045	2021.279	138	El Gallo	Promontorio	303.5453	-61.145	Yes
DC12B443	9998.447	10078.38	2005.424	63	Promontorio	Promontorio	178.4989	-64.4711	No

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12B444	10720.45	9428.005	1977.872	244	Santa Eduwiges	Santa Eduwiges	267.8622	-63.9756	Yes
DC12B445	9775.92	9989.976	2021.266	136.4	El Gallo	Promontorio	296.4	-59.1875	Yes
DC12B446	10716.64	9443.554	1977.912	153	Santa Eduwiges	Santa Eduwiges	269.7353	-54.1228	Yes
DC12B447	9775.99	9989.96	2021.252	84	El Gallo	Promontorio	295.7606	-70.4208	Yes
DC12B448	10717.01	9443.564	1977.901	201	Santa Eduwiges	Santa Eduwiges	270.3286	-63.6047	Yes
DC12B449	10598.72	9297.315	2025.009	140.3	Santa Eduwiges	Santa Eduwiges	357.9644	-70.1539	Yes
DC12B450	9820.688	9965.147	2021.13	87	El Gallo	Promontorio	297.4744	-59.9206	Yes
DC12B451	10598.71	9297.078	2025.016	108.3	Santa Eduwiges	Santa Eduwiges	349.0772	-80.31	Yes
DC12B452	10736.22	9413.894	1977.205	124	Santa Eduwiges	Santa Eduwiges	272.0133	-53.0528	Yes
DC12B453	9821.272	9965.934	2021.39	144	El Gallo	Promontorio	320.075	-34.9794	Yes
DC12B454	10598.74	9297.586	2025.018	118.1	Santa Eduwiges	Santa Eduwiges	359.2747	-59.8667	Yes
DC12B455	10033.69	10069.89	2005.402	102.8	Promontorio	Promontorio	179.28	-71.717	Yes
DC12B456	10643.81	9330.015	2010.481	489.3	Santa Eduwiges	Santa Eduwiges	354.4278	-78.5272	Yes
DC12B457	9821.36	9965.807	2021.167	136.6	El Gallo	Promontorio	319.5853	-43.7958	Yes
DC12B458	10033.6	10069.58	2005.354	110.8	Promontorio	Promontorio	182.2	-63.5597	Yes
DC12B459	10643.89	9329.704	2010.519	128.3	Santa Eduwiges	Santa Eduwiges	356.7603	-85	Yes
DC12B460	9836.785	9957.315	2020.704	135	El Gallo	Promontorio	323.4953	-43.8625	Yes
DC12B461	10736.84	9413.88	1977.632	261	Santa Eduwiges	Santa Eduwiges	274.2967	-64.2453	Yes
DC12B462	10643.9	9330.026	2010.387	93.6	Santa Eduwiges	Santa Eduwiges	356.7603	-68.7731	Yes
DC12B463	10643.88	9330.402	2010.3	83.25	Santa Eduwiges	Santa Eduwiges	356.7603	-60	Yes
DC12B464	10636.45	9279.035	2008.338	161.15	Santa Eduwiges	Santa Eduwiges	356.4861	-69.5525	Yes
DC12B465	10033.69	10070.25	2005.448	452.4	Promontorio	Promontorio	164.7	-84.7875	Yes
DC12B466	10636.47	9279.753	2008.266	123.85	Santa Eduwiges	Santa Eduwiges	357.9864	-49.0931	Yes
DC12B467	9848.653	9976.617	2030.608	153	EL GALLO	Promontorio	304.3175	-58.0792	Yes
DC12B468	10636.44	9278.854	2008.215	380.7	Santa Eduwiges	Santa Eduwiges	350.2878	-78.5975	Yes
DC12B469	9848.992	9976.435	2030.547	139.2	El Gallo	Promontorio	307.9803	-76.3953	Yes
DC12B470	10084.46	10104.64	2005.72	205.7	Promontorio	Promontorio	186.3403	-69.7014	Yes
DC12B471	10663.67	9290.524	2003.434	157.85	Santa Eduwiges	Santa Eduwiges	4.33	-70	Yes
DC12B472	10084.48	10104.85	2005.791	434.75	Promontorio	Promontorio	185.83	-77.01	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12B473	9875.265	9963.645	2030.593	153	El Gallo	Promontorio	304.09	-78.55	Yes
DC12B474	10663.75	9291.048	2003.399	380.1	Santa Eduwiges	Santa Eduwiges	4.3389	-49.6864	Yes
DC12B475	9858.317	9999.632	2035.597	76.25	El Gallo	Promontorio	299.4169	-49.9375	Yes
DC12B476	10084.4	10103.91	2005.665	253.45	Promontorio	Promontorio	189.1	-50.27	Yes
DC12B477	10663.72	9290.659	2003.44	384.25	Santa Eduwiges	Santa Eduwiges	4.7636	-60.2514	Yes
DC12B478	10084.49	10104.3	2005.793	164.25	Promontorio	Promontorio	186.1	-61.0025	Yes
DC12B479	10663.69	9290.353	2003.4	179.35	Santa Eduwiges	Santa Eduwiges	4.5513	-80	Yes
DC12B480	10736.92	9413.848	1977.223	261	San Bartolo	Santa Eduwiges	271.9542	-77.6972	Yes
DC12B481	10663.71	9290.105	2003.444	288.95	San Antonio	Santa Eduwiges	294.9047	-88.8389	Yes
DC12B482	10084.51	10105.05	2005.743	328.9	Promontorio	Promontorio	310.7322	-88.4097	Yes
DC12B483	10687.7	9288.305	2000.831	134.2	San Antonio	Santa Eduwiges	0.2389	-49.2761	Yes
DC12B484	10046.82	10092.11	2009.355	140.25	Promontorio	Promontorio	167.7819	-50.8047	Yes
DC12B485	10687.68	9287.9	2000.9	143.5	San Antonio	Santa Eduwiges	359.0383	-60	Yes
DC12B486	10717.93	9452.579	1978.095	285	San Bartolo	Santa Eduwiges	315.5508	-56.3631	Yes
DC12B487	10687.65	9287.733	2000.92	115.2	San Antonio	Santa Eduwiges	359.0383	-68.0747	Yes
DC12B488	10046	10092.32	2009.436	207.4	Promontorio	Promontorio	185.1628	-60.3492	Yes
DC12B489	10687.63	9287.388	2000.897	192.7	San Antonio	Santa Eduwiges	354.7375	-79.8644	Yes
DC12B490	10687.64	9287.199	2000.945	380.85	San Antonio	Santa Eduwiges	304.9919	-88.155	Yes
DC12B491	10046.05	10092.52	2009.375	143.7	Promontorio	Promontorio	184.7356	-68.4483	Yes
DC12B492	10046.05	10092.79	2009.294	310.7	Promontorio	Promontorio	187.48	-79.62	Yes
DC12B493	10004.49	10106.13	2015.644	353.4	Promontorio	Promontorio	186	-66.1601	Yes
DC12B494	9858.403	9999.587	2035.66	66.6	El Gallo	Promontorio	299.4169	-60	Yes
DC12B495	10718.24	9452.266	1978.06	310	San Bartolo	Santa Eduwiges	316.0275	-70.0856	Yes
DC12B496	9941.069	9976.576	2032.57	252	El Gallo	Promontorio	300.7822	-54.8131	Yes
DC12B497	10046.12	10092.98	2009.292	326.2	Promontorio	Promontorio	201.85	-88.57	Yes
DC12B498	10718.41	9452.064	1978.031	345	San Bartolo	Santa Eduwiges	314.1833	-79.8383	Yes
DC12B499	10135.99	10122.87	2009.518	221.55	Promontorio	Promontorio	182.1461	-51.3236	Yes
DC12B500	10004.41	10105.19	2015.411	163	Promontorio	Promontorio	183.89	-50.26	Yes
DC12B501	10004.46	10105.73	2015.494	258.3	Promontorio	Promontorio	182.18	-65.03	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12B502	10136.01	10123.22	2009.538	273.65	Promontorio	Promontorio	183.1222	-61.565	Yes
DC12B503	10697.11	9446.133	1979.8	120	San Bartolo	Santa Eduwiges	310.2528	-55	Yes
DC12B504	10136	10123.44	2009.511	250.95	Promontorio	Promontorio	184.85	-71.0298	Yes
DC12B505	9941.337	9976.384	2032.661	204	El Gallo	Promontorio	298.5969	-65.0986	Yes
DC12B506	10004.46	10106.33	2015.519	338.85	Promontorio	Promontorio	188.856	-86.4374	Yes
DC12B507	10697.2	9446.055	1979.797	153	San Bartolo	Santa Eduwiges	310.2506	-64.4183	Yes
DC12B508	9970.099	10129.88	2015.107	316.3	Promontorio	Promontorio	181	-59.9084	Yes
DC12B509	10088.66	10108.33	2005.883	440.35	Promontorio	Promontorio	131.15	-51.0455	Yes
DC12B510	10697.43	9445.833	1979.842	303	Santa Eduwiges	Santa Eduwiges	309.3328	-73.9494	Yes
DC12B511	9970.167	10130.12	2015.167	209.6	Promontorio	Promontorio	190	-69.1102	Yes
DC12B512	9970.192	10130.36	2015.055	271	Promontorio	Promontorio	201.1989	-80.8706	Yes
DC12B513	10046.81	10092.7	2009.487	121.05	Promontorio	Promontorio	167.3283	-59.5053	Yes
DC12B514	9904.787	9997.409	2029.079	201	El Gallo	Promontorio	299.1731	-54.3936	Yes
DC12B515	10046.76	10093.02	2009.509	159.85	Promontorio	Promontorio	168.1261	-70.2942	Yes
DC12B516	9944.742	10148.03	2015.605	414.7	Promontorio	Promontorio	182	-60.719	Yes
DC12B517	10176.03	10081.59	2008.894	393.5	Promontorio	Promontorio	184	-59.2813	Yes
DC12B518	9891.952	10021.26	2030.843	231	El Gallo	Promontorio	300.576	-54.715	Yes
DC12B519	9944.924	10148.33	2015.51	405.7	Promontorio	Promontorio	185	-70.9086	Yes
DC12B520	10118.6	9973.756	1995.599	374.1	Promontorio	Promontorio	86.74	-57.36	Yes
DC12B521	10012.02	10026.01	2000.112	170.6	Promontorio	Promontorio	266.0953	-61.0392	Yes
DC12B522	10517.67	9129.197	2040.144	301.1	Carta Blanca	Santa Eduwiges	152.7006	-59.8978	Yes
DC12B523	9447.171	9719.728	2114.686	222	El Gallo	Promontorio	150.4175	-45.2256	Yes
DC12B524	10198.04	9931.992	1994.223	138.4	Cuerpo Oriente	Promontorio	359.0272	-63.6708	Yes
DC12B525	10697.68	9445.602	1979.887	264	San Bartolo	Santa Eduwiges	302.7178	-84.6703	Yes
DC12B526	10198.06	9932.193	1994.08	114.95	Cuerpo Oriente	Promontorio	0.8339	-60	Yes
DC12B527	10480.33	9103.393	2048.877	181.85	Carta Blanca	Santa Eduwiges	141.1378	-49.9419	Yes
DC12B528	10198.05	9931.882	1994.08	164.75	Cuerpo Oriente	Promontorio	0.8339	-70.2678	Yes
DC12B529	10198.02	9931.649	1994.106	335.25	Cuerpo Oriente	Promontorio	356.35	-78.97	Yes
DC12B530	10113.7	9973.015	1995.725	96.15	Cuerpo Oriente	Promontorio	359.3969	-49.5939	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12B531	10112.9	9972.476	1995.682	102.65	Cuerpo Oriente	Promontorio	337.0397	-49.7803	Yes
DC12B532	10686.14	9389.051	1995.445	189	San Bartolo	Santa Eduwiges	316.7936	-65.5967	Yes
DC12B533	10112.9	9972.476	1995.682	136.45	Cuerpo Oriente	Promontorio	337.0397	-65	Yes
DC12B534	10221.03	9901.687	1995.345	401.95	Cuerpo Oriente	Promontorio	79.14	-77.72	Yes
DC12B535	10113.26	9972.718	1995.728	73.15	Cuerpo Oriente	Promontorio	350.4383	-48.3386	Yes
DC12B536	9448.574	9721.573	2114.57	312	El Gallo	Promontorio	96.0319	-40.9956	Yes
DC12B537	10113.34	9972.263	1995.7	246.25	Cuerpo Oriente	Promontorio	355.3569	-60.9389	Yes
DC12B538	10686.46	9388.695	1995.529	285	Santa Eduwiges	Santa Eduwiges	315.5583	-79.2939	Yes
DC12B539	10113.34	9972.263	1995.7	148.7	Cuerpo Oriente	Promontorio	345	-70	Yes
DC12B540	10221.03	9901.687	1995.345	154.7	Cuerpo Oriente	Promontorio	0	-60	Yes
DC12B541	9921.143	10164.57	2016.201	96.65	Cuerpo Oriente	Promontorio	189.8164	-50	Yes
DC12B542	10221.03	9901.687	1995.345	270.45	Cuerpo Oriente	Promontorio	0	-50	Yes
DC12B543	9921.177	10165.07	2016.151	175.45	Promontorio	Promontorio	189.8164	-50	Yes
DC12B544	9921.177	10165.07	2016.151	224.55	Promontorio	Promontorio	189.8164	-58.595	Yes
DC12B545	9916.756	9905.779	2001.3	148.9	Promontorio Viejo	Promontorio	104.7394	-60	Yes
DC12B546	9448.447	9721.591	2114.603	336	San Ignacio	Not Used	95.6356	-50.2561	Yes
DC12B547	9921.177	10165.07	2016.151	249.3	Promontorio	Promontorio	189.8	-69.9202	Yes
DC12B548	9916.606	9905.819	2001.304	176.6	Promontorio Viejo	Promontorio	104.7394	-67.6114	Yes
DC12B549	9921.177	10165.07	2016.151	55.45	Promontorio Viejo	Promontorio	189.8164	-77	Yes
DC12B550	9878.209	9895.774	2003.431	67.65	Promontorio Viejo	Promontorio	95.8775	-68.3328	Yes
DC12B551	9903.806	10180.26	2018.423	261.25	Promontorio	Promontorio	181.9267	-57.6617	Yes
DC12B552	9878.209	9895.774	2003.431	176.3	Promontorio Viejo	Promontorio	95.8775	-70	Yes
DC12B553	9878.209	9895.774	2003.431	172	Promontorio Viejo	Promontorio	95.8775	-80	Yes
DC12B554	9903.785	10180.56	2018.421	304.05	Promontorio	Promontorio	184.6383	-69.015	Yes
DC12B555	9878.209	9895.774	2003.431	52.85	Promontorio Viejo	Promontorio	95.8775	-50	Yes
DC12B556	9853.797	9882.692	2002.417	142.8	Promontorio Viejo	Promontorio	125.4378	-60	Yes
DC12B557	9903.793	10179.79	2018.415	248.7	Promontorio	Promontorio	182.5814	-48.1814	Yes
DC12B558	9853.797	9882.692	2002.417	151.55	Promontorio Viejo	Promontorio	125.4378	-69.1275	Yes
DC12B559	9853.797	9882.692	2002.417	63	Promontorio Viejo	Promontorio	125.4378	-50	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12B560	9552.135	9618.408	2166.791	306	San Ignacio	Not Used	332.7553	-49.485	Yes
DC12B561	9853.682	9882.798	2002.256	231.3	Promontorio Viejo	Promontorio	124.7992	-78.4219	Yes
DC12B562	9790.409	9877.414	2018.3	173.1	Promontorio Viejo	Promontorio	127.0875	-60	Yes
DC12B563	9790.619	9877.255	2018.339	163.65	Promontorio Viejo	Promontorio	127.0875	-50.5133	Yes
DC12B564	9790.619	9877.255	2018.339	185.2	Promontorio Viejo	Promontorio	127.0875	-65	Yes
DC12B565	9791.145	9877.312	2018.274	305.15	Promontorio Viejo	Promontorio	145.1953	-49.1344	Yes
DC12B566	9791.145	9877.312	2018.274	303.4	Promontorio Viejo	Promontorio	145.1953	-60	Yes
DC12B567	10726.18	9478.654	1977.491	291	San Bartolo	Santa Eduwiges	309.9958	-54.7611	Yes
DC12B568	9552.089	9618.564	2166.788	318	San Ignacio	Not Used	334.8128	-38.0619	Yes
DC12B569	9790.919	9877.695	2018.117	301.4	Promontorio Viejo	Promontorio	145.115	-65.0594	Yes
DC12B570	9791.145	9877.312	2018.274	248.95	Promontorio	Promontorio	160	-50	Yes
DC12B571	10726.43	9478.417	1977.473	339	San Bartolo	Santa Eduwiges	310.0467	-64.1433	Yes
DC12B572	9894.435	9970.687	2032.025	515.95	Promontorio Viejo	Promontorio	148.93	-73.96	Yes
DC12B573	9552.175	9618.35	2166.878	366	San Ignacio	Not Used	334.0744	-54.8125	Yes
DC12B574	10726.71	9478.171	1977.485	192	San Bartolo	Santa Eduwiges	308.3936	-74.5742	Yes
DC12B575	9970.413	10155.72	2019.892	563.65	Promontorio	Promontorio	18.97	-88.9589	Yes
DC12B576	10726.95	9477.972	1977.486	51	San Bartolo	Santa Eduwiges	304.0689	-85.2244	No
DC12B577	10726.37	9478.923	1977.623	93	San Bartolo	Santa Eduwiges	343.2692	-50	Yes
DC12B578	9993	10130.48	2013.852	525.95	Promontorio	Promontorio	115.72	-80.31	Yes
DC12B579	10726.37	9478.923	1977.623	177	San Bartolo	Santa Eduwiges	343.2692	-70	Yes
DC12B580	9552.181	9618.33	2166.849	417	San Ignacio	Not Used	334	-65.3244	Yes
DC12B581	10726.37	9478.923	1977.623	342	San Bartolo	Santa Eduwiges	346.71	-74.73	Yes
DC12M107	10006.63	9995.799	1944.388	45	Promontorio	Promontorio	95.9172	-19.6722	Yes
DC12M108	10006.46	9995.812	1944.734	117	Promontorio	Promontorio	96.0469	0.1817	Yes
DC12M109	10006.24	9995.854	1945.138	31.5	Promontorio	Promontorio	95.6267	19.6722	Yes
DC12M110	10006.8	9995.759	1944.057	50.3	Promontorio	Promontorio	97.1069	-34.2869	Yes
DC12M111	10007.11	9996.227	1944.254	75	Promontorio	Promontorio	82.1497	-24.3639	Yes
DC12M112	10006.8	9996.128	1944.769	36	Promontorio	Promontorio	82.2194	0.7219	Yes
DC12M113	10006.55	9996.162	1945.275	34.1	Promontorio	Promontorio	81.7564	15.8231	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12M114	10004.78	9997.916	1944.735	35.7	Promontorio	Promontorio	18.6669	0.3261	Yes
DC12M115	10004.67	9997.622	1945.353	70.7	Promontorio	Promontorio	18.715	21.1414	Yes
DC12M116	10004.72	9997.845	1944.366	27.4	Promontorio	Promontorio	18.5314	-21.9458	Yes
DC12M117	10004.67	9997.622	1945.41	42.65	Promontorio	Promontorio	61.6	0.7	Yes
DC12M118	10006.65	9996.413	1945.419	111	Promontorio	Promontorio	61.5772	21.3253	Yes
DC12M119	10005.65	9997.524	1944.441	39	Promontorio	Promontorio	31.2161	-20.6508	Yes
DC12M120	10005.63	9997.487	1944.737	36	Promontorio	Promontorio	30.9353	1	Yes
DC12M121	10005.57	9997.342	1945.265	36	Promontorio	Promontorio	31.4192	19.7739	Yes
DC12M122	10611.39	9377.591	1918.909	54	Santa Eduwiges	Santa Eduwiges	99.3561	0.3119	Yes
DC12M123	10005.28	10000.52	1873.919	90	Promontorio	Promontorio	15.9578	-21.3503	Yes
DC12M124	10611.5	9376.534	1918.934	21	Santa Eduwiges	Santa Eduwiges	136.1775	-0.4592	Yes
DC12M125	10611.41	9377.616	1917.997	114	Santa Eduwiges	Santa Eduwiges	97.0922	-45.3278	Yes
DC12M126	10611.54	9376.422	1920.251	58.5	Santa Eduwiges	Santa Eduwiges	137.8992	-45	Yes
DC12M127	10611.54	9376.422	1920.251	19.5	Santa Eduwiges	Santa Eduwiges	137.8992	29.5403	Yes
DC12M128	10611.19	9377.696	1920.089	36	Santa Eduwiges	Santa Eduwiges	99.5308	31.0614	Yes
DC12M129	10611.08	9379.401	1918.909	124	Santa Eduwiges	Santa Eduwiges	72.6597	0.7581	Yes
DC12M130	10005.31	10000.52	1874.258	13	Promontorio	Promontorio	17.0597	-0.0836	Yes
DC12M131	10611.12	9379.414	1918.467	153	Santa Eduwiges	Santa Eduwiges	71.1986	-15.7053	Yes
DC12M132	9925.562	10033.62	1988.622	117.7	Promontorio	Promontorio	29.3725	-39.7461	Yes
DC12M133	10611.09	9379.378	1918.307	159	Santa Eduwiges	Santa Eduwiges	71.9511	-29.0433	Yes
DC12M134	9925.593	10033.65	1988.635	103.5	Promontorio	Promontorio	29.6128	-30.6653	Yes
DC12M135	10611.08	9379.375	1918.152	165	Santa Eduwiges	Santa Eduwiges	71.4567	-40.9231	Yes
DC12M136	9920.74	10033.57	1988.609	123	Promontorio	Promontorio	279.5614	-39.8472	Yes
DC12M137	10610.51	9380.082	1918.536	159	Santa Eduwiges	Santa Eduwiges	63.8053	-20.4983	Yes
DC12M138	9920.703	10033.57	1988.636	141	Promontorio	Promontorio	279.8644	-31.1239	Yes
DC12M139	10610.51	9380.082	1918.536	156	Santa Eduwiges	Santa Eduwiges	63.8053	-40	Yes
DC12M140	9920.726	10033.56	1988.373	171	Promontorio	Promontorio	279.1639	-49.9428	Yes
DC12M141	10610.55	9380.151	1917.559	180	Santa Eduwiges	Santa Eduwiges	61.5628	-59.895	Yes
DC12M142	9920.805	10033.56	1988.128	195	Promontorio	Promontorio	276.7261	-58.3058	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC12M143	10610.35	9379.973	1920.079	87	Santa Eduwiges	Santa Eduwiges	65.6933	29.8147	Yes
DC12M144	9920.691	10033.59	1989.174	141	Promontorio	Promontorio	281.1214	-0.1373	Yes
DC12M145	10608.11	9380.534	1918.197	72.4	Santa Eduwiges	Santa Eduwiges	1.5	-44.9061	Yes
DC12M145B	10608.11	9380.558	1918.184	66	Santa Eduwiges	Santa Eduwiges	0.4297	-46.6683	Yes
DC12M146	9920.71	10032.8	1988.284	86.5	Promontorio	Promontorio	256.4539	-55	Yes
DC12M147	10608.11	9380.661	1918.376	39	Santa Eduwiges	Santa Eduwiges	0.9103	29.8978	Yes
DC12M148	9920.71	10032.8	1988.284	180	Promontorio	Promontorio	256.4539	-44.195	Yes
DC12M149	10608.63	9374.598	1917.958	39	Santa Eduwiges	Santa Eduwiges	180.3947	-43.2725	Yes
DC12M151	10608.63	9374.533	1918.216	24	Santa Eduwiges	Santa Eduwiges	181.1233	-29.9058	Yes
DC13B582	10725.74	9480.325	1977.637	229.6	San Bartolo	Santa Eduwiges	352.29	-48.36	Yes
DC13B583	10049.33	10177.93	2024.416	565.95	Promontorio	Promontorio	119.87	-84.92	Yes
DC13B584	9653.777	10165.76	2035.726	403.85	San Nicolas	San Nicolas	181.85	-58.97	Yes
DC13B585	9553.768	10247.45	2033.912	381	San Nicolas	San Nicolas	221.84	-47.01	Yes
DC13B586	10954.1	7024.641	2146.086	217.75	La India	La India	302.51	-49.2086	Yes
DC13B587	9647.033	10091.45	2034.554	488.45	San Nicolas	San Nicolas	173.75	-57.09	Yes
DC13B588	9746.282	10070.28	2040.74	393.6	San Nicolas	San Nicolas	178.31	-59.52	Yes
DC13B589	11007.03	6973.554	2119.912	352.25	La India	La India	313	-57.03	Yes
DC13B590	11006.68	6973.819	2120.078	338.35	La India	La India	314.91	-46.84	Yes
DC13B591	10946.24	6954.228	2114.306	372.2	La India	La India	305.75	-48.12	Yes
DC13B592	9946.71	9609.604	2042.796	150	Minerva	La Gloria	266.1086	-38.7015	Yes
DC13B593	9933.143	9609.936	2043.7	81	Minerva	La Gloria	268.7356	-38.5145	Yes
DC13B594	10567.44	7023.278	2081.255	308	La India	La India	39.58	-55.96	Yes
DC13B595	9944.911	9634.442	2039.897	99	Minerva	La Gloria	266.7033	-39.6739	Yes
DC13B596	10939.91	6928.7	2101.766	282	La India	La India	295.97	-49.67	Yes
DC13B597	9747.292	9957.965	2004.437	289.75	San Nicolas	San Nicolas	173.69	-58.42	Yes
DC13B598	9942.701	9634.509	2039.779	84	Minerva	La Gloria	269.8706	-22.9166	Yes
DC13B599	9932.759	9656.693	2036.658	96	Minerva	La Gloria	265.4	-40	Yes
DC13B600	11049.68	7184.493	2196.286	371.2	La India	La India	314.24	-72.73	Yes
DC13B601	9931.759	9656.693	2036.658	66	Minerva	La Gloria	265.4547	-19.9972	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC13B602	9955.218	9729.636	2023.019	63	Minerva	La Gloria	236.6541	-37.6586	Yes
DC13B603	9955.582	9729.857	2022.926	81	Minerva	La Gloria	237.6697	-53.1615	Yes
DC13B604	10567.65	7023.541	2081.284	305	LA INDIA	La India	39.23	-47.31	Yes
DC13B605	10986.03	7030.618	2140.359	255	La india	La India	305.84	-63.9	Yes
DC13B606	9507	10135	2019	426.95	San Nicolas	San Nicolas	173.42	-60.31	Yes
DC13B607	9393.894	10212.8	2016.333	157.5	San Nicolas	San Nicolas	210.5308	-59.3153	Yes
DC13B608	10986.02	7030.648	2140.274	288	La India	La India	308.1	-75.1	Yes
DC13B609	9792.163	9935.419	2003.04	326.35	San Nicolas	San Nicolas	239.36	-59.37	Yes
DC13B610	10929.71	6886.548	2085.88	341.6	La India	La India	302.1578	-52.4452	Yes
DC13B611	9680.925	9951.492	2006.561	347.85	San Nicolas	San Nicolas	239.542	-58.6269	Yes
DC13B612	9642.763	9987.768	2007.394	425.95	San Nicolas	San Nicolas	237.6711	-60.0717	Yes
DC13B613	10930.12	6886.351	2085.937	350.75	La India	La India	306.0194	-62.756	Yes
DC13B614	11387.14	7326.826	2064.555	383	San Miguel	Not Used	296.2644	-60.8025	Yes
DC13B615	9595.738	10012.3	2007.72	255.15	San Nicolas	San Nicolas	239.5638	-60.3137	Yes
DC13B616	10905.31	6866.615	2075.685	350.75	La India	La India	311.365	-50	Yes
DC13B617	9627.963	10061.13	2029.928	261.25	San Nicolas	San Nicolas	234.34	-58.0093	Yes
DC13B618	9576.204	10092.87	2021.081	276.5	San Nicolas	San Nicolas	241.1236	-59.6208	Yes
DC13B619	10905.42	6866.517	2075.591	312.45	La India	La India	311.365	-64.995	Yes
DC13B620	9527.378	10128.22	2019.224	218.55	San Nicolas	San Nicolas	234.7881	-58.485	Yes
DC13B621	11087.68	7239.387	2197.005	108	La India	La India	269.6853	-84.0457	Yes
DC13B622	9836.774	9894.549	2002.977	149.4	San Nicolas	San Nicolas	245.21	-60.6422	Yes
DC13B623	10841.51	6840.324	2058.316	414	La India	La India	339.7369	-68.7475	Yes
DC13B624	10139.4	10225.4	2025.394	779.75	Promontorio	Promontorio	4.2364	-89.2861	Yes
DC13B625	10905.69	6866.291	2075.649	281	La India	La India	314.5681	-75.1723	Yes
DC13B626	11046.14	7184.872	2196.587	437.15	La India	La India	276.8597	-83.1607	Yes
DC13B627	9977.47	9433.589	2075.262	240.95	La Gloria	La Gloria	291.6769	-50.6777	Yes
DC13B628	10295.88	10107.23	1999.883	439.2	Promontorio	Promontorio	184.4122	-59.9325	Yes
DC13B629	11088.01	7239.611	2196.9	356.45	La India	La India	295.8769	-84.4566	Yes
DC13B630	9863.673	9309.813	2112.855	170.25	La Gloria	La Gloria	293.2339	-58.2491	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC13B631	11184.34	7033.088	2080.766	377.15	La India	La India	295.9578	-50.5972	Yes
DC13B632	9794.872	9102.491	2190.745	254.55	La Gloria	La Gloria	290.6825	-58.1796	Yes
DC13B633	10005.74	10250.99	2044.222	539.65	Promontorio	Promontorio	349.2158	-89.286	Yes
DC13B634	10295.79	10106.44	1999.567	298.9	Promontorio	Promontorio	189.7044	-50.3877	Yes
DC13B635	10005.78	10250.68	2044.253	521.55	Promontorio	Promontorio	176.9536	-74.9368	Yes
DC13B636	9735.302	8698.052	2348.859	366	La Gloria	La Gloria	29.5398	-37.9181	Yes
DC13B637	10196.66	10157.4	2007.514	353.8	Promontorio	Promontorio	182.4981	-52.8299	Yes
DC13B638	10395.24	9982.583	1999.223	252.6	Promontorio	Promontorio	210.5044	-52.7283	No
DC13B639	10295.59	10104.57	1999.832	490.2	Promontorio	Promontorio	164.5333	-65.4939	Yes
DC13B640	10196.7	10157.84	2007.535	340.15	Promontorio	Promontorio	182.7153	-65.8183	Yes
DC13B641	10295.43	10105.19	1999.798	491.05	Promontorio	Promontorio	164.5333	-73.6047	Yes
DC13B642	10196.7	10158.02	2007.507	386.3	Promontorio	Promontorio	184.32	-71.1221	Yes
DC13B643	10196.69	10158.09	2007.423	369.95	Promontorio	Promontorio	186.6108	-74.9504	Yes
DC13B644	10295.75	10104.37	1999.88	387.35	Promontorio	Promontorio	164.5333	-53.4955	Yes
DC13B645	10293.72	10111.88	2000.024	333.85	Promontorio	Promontorio	179.1733	-55.5397	Yes
DC13B646	10293.77	10111.21	2000.017	199.1	Promontorio	Promontorio	175.5733	-36.5781	No
DC13B647	10742.43	9291.845	1992.857	75.15	Santa Eduwiges	Santa Eduwiges	230	-68	Yes
DC13M150	9920.547	10032.77	1988.42	192	Promontorio	Promontorio	257.4578	-35.4852	Yes
DC13M152	10662.82	9381.558	1918.266	30.87	Santa Eduwiges	Santa Eduwiges	303.3008	-50.0995	Yes
DC13M153	10608.86	9375.607	1917.512	135	Santa Eduwiges	Santa Eduwiges	151.4097	-78.6024	Yes
DC13M154	10365.83	9207.251	1980.88	66	Santa Eduwiges	Santa Eduwiges	239.9586	-0.8536	Yes
DC13M155	10606.93	9379.844	1917.706	156	Santa Eduwiges	Santa Eduwiges	329.6258	-73.8419	Yes
DC13M156	10365.82	9207.235	1980.538	51	Santa Eduwiges	Santa Eduwiges	239.1369	-29.0629	Yes
DC13M157	10365.84	9207.239	1979.674	48	Santa Eduwiges	Santa Eduwiges	237.4361	-58.7974	Yes
DC13M158	10365.77	9207.188	1979.818	54	Santa Eduwiges	Santa Eduwiges	239.4392	-44.6835	Yes
DC13M159	10364.8	9208.034	1980.862	42	Santa Eduwiges	Santa Eduwiges	269.435	-0.1701	Yes
DC13M160	10364.72	9208.032	1980.237	39	Santa Eduwiges	Santa Eduwiges	269.0366	-29.7387	Yes
DC13M161	10365.26	9208.015	1979.612	48	Santa Eduwiges	Santa Eduwiges	267.1611	-58.953	Yes
DC13M162	10471.4	9314.031	1991.05	45	Santa Eduwiges	Santa Eduwiges	309.7392	0	Yes

Drill Hole	Easting	Northing	Elevation	Depth	Zone	Resource Area	Azimuth	Dip	Assayed
DC13M163	10471.5	9313.948	1990.543	24	Santa Eduwiges	Santa Eduwiges	307.7939	-30.4603	Yes
DC13M164	10234.24	9013.739	1998.737	99	Santa Eduwiges	Santa Eduwiges	311.2403	-56.7665	Yes
DC13M165	10662.82	9381.476	1917.812	138	Santa Eduwiges	Santa Eduwiges	302.6875	-60.7988	Yes
DC13M166	10235.47	9012.739	1998.683	129	Santa Eduwiges	Santa Eduwiges	306.1736	-79.5951	Yes
DC13M167	10662.94	9381.473	1918.05	106.8	Santa Eduwiges	Santa Eduwiges	303.3008	-50.0995	Yes
DC13M168	10663.06	9381.747	1917.794	138	Santa Eduwiges	Santa Eduwiges	320	-65	Yes
DC13M169	10663.06	9381.747	1917.794	139.5	Santa Eduwiges	Santa Eduwiges	342.5616	-57.7424	Yes
DC13M170	10235.44	9012.607	1998.617	126	Santa Eduwiges	Santa Eduwiges	257.5692	-79.3266	Yes
DC13M171	10234.95	9016.407	1998.557	123	Santa Eduwiges	Santa Eduwiges	332.863	-40.7942	Yes
DC13M172	10235.4	9015.679	1998.613	84	Santa Eduwiges	Santa Eduwiges	327.72	-58.043	Yes
DC13M173	10628.83	9487.567	1919.119	132.65	Santa Eduwiges	Santa Eduwiges	70.9875	-30.1545	Yes
DC13M174	10235.58	9015.342	1998.583	111	Santa Eduwiges	Santa Eduwiges	329.0697	-71.0017	Yes
DC13M175	10628.81	9487.565	1918.911	48.8	Santa Eduwiges	Santa Eduwiges	69.9706	-37.6973	Yes
DC13M176	10240.1	9010.805	1999.63	213	Santa Eduwiges	Santa Eduwiges	118.2903	-21.6218	Yes
DC13M177	10623.58	9485.305	1919.787	167.75	Santa Eduwiges	Santa Eduwiges	228.8728	-0.4692	Yes
DC13M178	10623.59	9485.246	1919.241	147	Santa Eduwiges	Santa Eduwiges	226.6406	-27.2805	Yes
DC13M179	10240.12	9010.826	1999.307	231.8	Santa Eduwiges	Santa Eduwiges	117.0403	-34.1932	Yes
DC13M180	10046.61	9945.168	1903.947	176.05	Promontorio	Promontorio	73.087	4.5102	Yes
DC13M181	10045.78	9943.01	1903.622	241.25	Promontorio	Promontorio	140.4661	-11.5364	Yes
DC13M182	10046.59	9945.829	1903.595	159	Promontorio	Promontorio	56.4564	-13.9406	Yes
DC13M183	11031.42	7104.256	2024.213	177	La India	La India	300.7464	-65.6263	Yes
DC13M184	10272.58	9066.183	1998.434	45	Santa Eduwiges	Santa Eduwiges	288.671	-69.003	No
DC13M185	10272.17	9066.263	1998.533	42	Santa Eduwiges	Santa Eduwiges	285.212	-45.524	No
DC13M186	10276.3	9068.563	2001.213	16.5	Santa Eduwiges	Santa Eduwiges	0	-70	No
DC13M187	11031.43	7104.248	2024.052	198	La India	La India	296.6569	-77.7486	Yes
DC13M188	11032.85	7105.265	2024.101	192	La India	La India	340.0425	-76.6621	Yes
DC13M189	10793.37	7035.382	2039.225	48	La India	La India	230.7386	2.7895	Yes

Appendix C

Mine and Surface Sample Data

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
459573	9477.17	8603.24	2302.14	La Gloria	La Gloria	Surface
459575	9474.18	8596.78	2299.09	La Gloria	La Gloria	Surface
459576	9460.18	8594.74	2299.3	La Gloria	La Gloria	Surface
459580	9454.17	8590.14	2296.65	La Gloria	La Gloria	Surface
459582	9449.17	8582.78	2292.66	La Gloria	La Gloria	Surface
459583	9473.18	8644.75	2324.12	La Gloria	La Gloria	Surface
459586	9487.18	8671.65	2340.92	La Gloria	La Gloria	Surface
459589	9498.19	8684.2	2348.88	La Gloria	La Gloria	Surface
459591	9529.19	8741.91	2384.86	La Gloria	La Gloria	Surface
459594	9422.17	8710.81	2333.56	La Gloria	La Gloria	Surface
459595	9376.17	8714.81	2311.18	La Gloria	La Gloria	Surface
459596	9412.16	8564.78	2282.48	La Gloria	La Gloria	Surface
459597	9414.16	8564.78	2282.71	La Gloria	La Gloria	Surface
459598	9423.16	8567.78	2284.43	La Gloria	La Gloria	Surface
459599	9400.16	8573.79	2285.45	La Gloria	La Gloria	Surface
459600	9403.16	8565.78	2282.54	La Gloria	La Gloria	Surface
459601	9339.15	8541.38	2279.37	La Gloria	La Gloria	Surface
459603	9330.15	8531.78	2280.53	La Gloria	La Gloria	Surface
459604	9320.14	8530.93	2282.26	La Gloria	La Gloria	Surface
459606	9319.15	8528.78	2282.16	La Gloria	La Gloria	Surface
459608	9304.14	8516.78	2282.5	La Gloria	La Gloria	Surface
459608	9295.14	8507.77	2282.5	La Gloria	La Gloria	Surface
459610	9288.14	8499.38	2282.5	La Gloria	La Gloria	Surface
459613	9284.14	8489.77	2282.5	La Gloria	La Gloria	Surface
459614	9248.13	8441.77	2282.6	La Gloria	La Gloria	Surface
459617	9230.13	8427.76	2286.5	La Gloria	La Gloria	Surface
459618	9223.13	8417.07	2288.32	La Gloria	La Gloria	Surface
459623	9179.11	8387.71	2292.5	La Gloria	La Gloria	Surface
459626	9177.11	8384.76	2292.5	La Gloria	La Gloria	Surface
459627	9168.11	8374.71	2292.5	La Gloria	La Gloria	Surface
459630	9153.11	8357.76	2284.22	La Gloria	La Gloria	Surface
459631	9141.11	8347.26	2278.82	La Gloria	La Gloria	Surface
459635	9366.16	8533.23	2270.99	La Gloria	La Gloria	Surface
459637	9409.16	8535.68	2270.5	La Gloria	La Gloria	Surface
459644	9405.16	8544.78	2273.93	La Gloria	La Gloria	Surface
459645	9410.16	8542.48	2272.63	La Gloria	La Gloria	Surface
459647	9659.2	8464.4	2201.83	La Gloria	La Gloria	Surface
459649	10107.28	8605.85	2238.43	La Gloria	La Gloria	Surface
459652	10102.29	8599.55	2236.53	La Gloria	La Gloria	Surface
459654	9542.18	8528.52	2258.11	La Gloria	La Gloria	Surface

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
459656	9528.19	8533.77	2264.55	La Gloria	La Gloria	Surface
459657	9534.2	8748.81	2389.4	La Gloria	La Gloria	Surface
459658	9539.19	8757.55	2393.85	La Gloria	La Gloria	Surface
459660	9542.2	8760.81	2394.96	La Gloria	La Gloria	Surface
459661	9550.2	8770.11	2398.96	La Gloria	La Gloria	Surface
459664	9553.2	8775.81	2401.11	La Gloria	La Gloria	Surface
459665	9530.19	8772.36	2396.92	La Gloria	La Gloria	Surface
459667	9528.19	8754.61	2391.54	La Gloria	La Gloria	Surface
459672	9549.2	8752.8	2389.8	La Gloria	La Gloria	Surface
459673	9558.19	8755.81	2389.69	La Gloria	La Gloria	Surface
459674	9560.19	8757.81	2390.33	La Gloria	La Gloria	Surface
459675	9565.2	8760.81	2390.99	La Gloria	La Gloria	Surface
459676	9569.2	8763.81	2392.08	La Gloria	La Gloria	Surface
459677	9597.2	8591.77	2295.68	La Gloria	La Gloria	Surface
459678	9607.2	8779.8	2394.48	La Gloria	La Gloria	Surface
459679	9615.21	8783.81	2395.69	La Gloria	La Gloria	Surface
459680	9617.2	8750.8	2377.7	La Gloria	La Gloria	Surface
459681	9618.21	8789.81	2398.74	La Gloria	La Gloria	Surface
459682	9629.22	8796.81	2402.89	La Gloria	La Gloria	Surface
459683	9668.23	8999.99	2282.44	La Gloria	La Gloria	Surface
459686	9652.22	8991.84	2296.47	La Gloria	La Gloria	Surface
459687	9655.23	8814.81	2420.31	La Gloria	La Gloria	Surface
459688	9661.22	8815.81	2423.61	La Gloria	La Gloria	Surface
459689	9667.22	8818.82	2428.03	La Gloria	La Gloria	Surface
459690	9680.23	8822.81	2429.79	La Gloria	La Gloria	Surface
459691	9683.22	8828.81	2431.31	La Gloria	La Gloria	Surface
459692	9694.23	8839.82	2432.3	La Gloria	La Gloria	Surface
459693	9541.19	8778.81	2401.34	La Gloria	La Gloria	Surface
459694	9553.2	8809.17	2409.49	La Gloria	La Gloria	Surface
459696	9569.2	8851.52	2410.79	La Gloria	La Gloria	Surface
459698	9465.18	8600.18	2301.04	La Gloria	La Gloria	Surface
459701	9569.2	8860.52	2409.92	La Gloria	La Gloria	Surface
459703	9574.2	8874.83	2409.23	La Gloria	La Gloria	Surface
459704	9577.2	8889.58	2407.61	La Gloria	La Gloria	Surface
459706	9582.21	8906.83	2404.93	La Gloria	La Gloria	Surface
459710	9593.21	8899.78	2412.61	La Gloria	La Gloria	Surface
459714	9605.21	8925.83	2404.88	La Gloria	La Gloria	Surface
459715	9601.21	8933.83	2400.48	La Gloria	La Gloria	Surface
459716	9608.22	8937.54	2398.63	La Gloria	La Gloria	Surface
459718	9661.22	8870.47	2436.11	La Gloria	La Gloria	Surface

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
459720	9635.22	8867.82	2435.81	La Gloria	La Gloria	Surface
459721	9641.22	8964.49	2320.08	La Gloria	La Gloria	Surface
459751	9625.22	8920.83	2407.63	La Gloria	La Gloria	Surface
459752	9657.22	8978.84	2297.64	La Gloria	La Gloria	Surface
459753	9656.22	8978.54	2298.22	La Gloria	La Gloria	Surface
459755	9677.23	9028.2	2270.17	La Gloria	La Gloria	Surface
459759	9670.23	9013.39	2277.66	La Gloria	La Gloria	Surface
459761	9676.23	9019.84	2271.79	La Gloria	La Gloria	Surface
459762	9677.23	9025.85	2270.67	La Gloria	La Gloria	Surface
459763	9678.23	9033.84	2263.08	La Gloria	La Gloria	Surface
459764	9672.27	10043.52	2033.68	La Gloria	La Gloria	Surface
459766	9684.23	9059.71	2254.33	La Gloria	La Gloria	Surface
459769	9686.23	9067.01	2250.68	La Gloria	La Gloria	Surface
459772	9687.23	9073.35	2246.04	La Gloria	La Gloria	Surface
459775	9692.24	9081.96	2237.21	La Gloria	La Gloria	Surface
459778	9700.23	9096.86	2224.76	La Gloria	La Gloria	Surface
459779	9704.22	8625.78	2310.93	La Gloria	La Gloria	Surface
459780	9706.24	9105.86	2224.81	La Gloria	La Gloria	Surface
459781	9709.24	9118.61	2218.51	La Gloria	La Gloria	Surface
459783	9729.24	9157.86	2195.12	La Gloria	La Gloria	Surface
459784	9736.2	8166.45	2151.25	La Gloria	La Gloria	Surface
459786	9752.25	9213.38	2164.85	La Gloria	La Gloria	Surface
459788	9755.25	9237.88	2160.72	La Gloria	La Gloria	Surface
459789	9764.26	9257.88	2154.92	La Gloria	La Gloria	Surface
459791	9784.26	9286.88	2144.66	La Gloria	La Gloria	Surface
459792	9789.26	9296.89	2141.5	La Gloria	La Gloria	Surface
459793	9787.26	9300.89	2144.15	La Gloria	La Gloria	Surface
459794	9791.26	9303.89	2140.72	La Gloria	La Gloria	Surface
459795	9795.26	9307.49	2138.25	La Gloria	La Gloria	Surface
459797	9809.27	9343.9	2130.16	La Gloria	La Gloria	Surface
459798	9816.26	9363.49	2126.3	La Gloria	La Gloria	Surface
459800	9829.27	9430.9	2118.08	La Gloria	La Gloria	Surface
459801	9834.28	9432.61	2117.32	La Gloria	La Gloria	Surface
459803	9848.28	9450.96	2114.42	La Gloria	La Gloria	Surface
459806	9851.28	9461.91	2111.67	La Gloria	La Gloria	Surface
459807	9856.28	9467.57	2108.66	La Gloria	La Gloria	Surface
459809	9507.18	8625.79	2313.88	Monaco	Milagro	Surface
459810	9522.18	8638.79	2321.68	Monaco	Milagro	Surface
459811	9561.19	8654.79	2328.16	Monaco	Milagro	Surface
459812	9593.2	8669.64	2333.3	Monaco	Milagro	Surface

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
459814	9610.21	8679.79	2338.67	Monaco	Milagro	Surface
459815	9619.2	8684.79	2341.34	Monaco	Milagro	Surface
459816	9626.21	8685.79	2341.4	Monaco	Milagro	Surface
459817	9637.21	8690.79	2343.6	Monaco	Milagro	Surface
459818	9642.21	8693.79	2345.03	Monaco	Milagro	Surface
459819	9644.21	8693.79	2344.87	Monaco	Milagro	Surface
459820	9648.21	8695.79	2345.78	Monaco	Milagro	Surface
459821	9651.21	8699.4	2347.89	Monaco	Milagro	Surface
459823	9637.22	8738.5	2368.61	Monaco	Milagro	Surface
459825	9685.22	8716.79	2358.67	Monaco	Milagro	Surface
459826	9695.22	8722.79	2362.71	Monaco	Milagro	Surface
459827	9712.23	8727.79	2366.19	Monaco	Milagro	Surface
459828	9725.22	8734.8	2369.68	Monaco	Milagro	Surface
459829	9755.23	8742.79	2370.93	Monaco	Milagro	Surface
459830	9760.23	8744.57	2370.53	Monaco	Milagro	Surface
459832	9763.23	8744.8	2369.48	Monaco	Milagro	Surface
459833	9804.24	8763.8	2339.47	Monaco	Milagro	Surface
459834	9843.25	8781.8	2309.42	Monaco	Milagro	Surface
459835	9864.26	8787.4	2294.53	Monaco	Milagro	Surface
459841	9870.26	8793.8	2288.47	Monaco	Milagro	Surface
459842	9905.26	8816.6	2262.59	Monaco	Milagro	Surface
459852	9914.26	8853.46	2247.94	Monaco	Milagro	Surface
459854	9918.26	8870.36	2252.5	Monaco	Milagro	Surface
459856	9933.27	8872.81	2242.01	Monaco	Milagro	Surface
459857	9943.27	8863.81	2237.14	Monaco	Milagro	Surface
459858	9944.27	8855.8	2235.66	Monaco	Milagro	Surface
459859	9952.27	8853.81	2230.43	Monaco	Milagro	Surface
459860	9953.27	8865.81	2229.93	Monaco	Milagro	Surface
459861	9972.28	8876.76	2217.42	Monaco	Milagro	Surface
435657	10129.31	9064.83	2189.25	Monaco	Milagro	Surface
435660	10121.31	9057.08	2189.61	Monaco	Milagro	Surface
435663	10128.31	9062.83	2188.32	Monaco	Milagro	Surface
435664	10117.31	9042.83	2184.54	Monaco	Milagro	Surface
435665	10112.31	9043.83	2187.76	Monaco	Milagro	Surface
435666	10107.31	9038.83	2188.88	Monaco	Milagro	Surface
435667	10113.31	9040.83	2185.86	Monaco	Milagro	Surface
435668	10103.31	9024.82	2185.63	Monaco	Milagro	Surface
435669	10108.31	9026.53	2182.66	Monaco	Milagro	Surface
435671	10105.3	9023.32	2184.15	Monaco	Milagro	Surface
435673	10099.3	9022.82	2189.68	Monaco	Milagro	Surface

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
435679	10094.3	9010.35	2187.43	Monaco	Milagro	Surface
435681	10092.3	9010.83	2188.84	Monaco	Milagro	Surface
435682	10090.3	9002.48	2187.49	Monaco	Milagro	Surface
435685	10086.3	9000.42	2188.06	Monaco	Milagro	Surface
435687	10079.3	8993.42	2192.07	Monaco	Milagro	Surface
435689	10074.3	8991.52	2194.11	Monaco	Milagro	Surface
435691	10069.3	8987.68	2194.99	Monaco	Milagro	Surface
435693	10067.3	8987.03	2196.29	Monaco	Milagro	Surface
435696	10062.3	8980.82	2198.11	Monaco	Milagro	Surface
435699	10060.29	8982.4	2199.88	Monaco	Milagro	Surface
435701	10056.3	8979.82	2202.51	Monaco	Milagro	Surface
435702	10053.3	8977.82	2204.04	Monaco	Milagro	Surface
435703	10051.29	8975.37	2204.89	Monaco	Milagro	Surface
435705	10044.29	8968.82	2208.05	Monaco	Milagro	Surface
435706	10041.29	8963.82	2208.86	Monaco	Milagro	Surface
435707	10038.29	8968.55	2212.12	Monaco	Milagro	Surface
435709	10041.29	8965.82	2209.38	Monaco	Milagro	Surface
435710	10036.28	8958.81	2210.48	Monaco	Milagro	Surface
435712	10022.28	8941.42	2211.37	Monaco	Milagro	Surface
435714	10013.29	8938.82	2215.11	Monaco	Milagro	Surface
435715	10015.28	8933.82	2212.01	Monaco	Milagro	Surface
435716	10008.28	8929.32	2214.22	Monaco	Milagro	Surface
435719	9989.28	8899.81	2214.04	Monaco	Milagro	Surface
16169-171	9872.026	9579.571	2039.175	Minerva	La Gloria	Underground
16172-174	9871.857	9582.446	2036.998	Minerva	La Gloria	Underground
16175-176	9872.527	9585.428	2036.805	Minerva	La Gloria	Underground
16177-179	9872.618	9588.352	2036.421	Minerva	La Gloria	Underground
16180-182	9872.975	9591.194	2036.731	Minerva	La Gloria	Underground
16183-185	9873.55	9593.987	2036.981	Minerva	La Gloria	Underground
17473-473	9869.91	9524.786	2031.874	Minerva	La Gloria	Underground
17474-474	9870.149	9521.212	2031.139	Minerva	La Gloria	Underground
17475-475	9870.83	9518.399	2030.685	Minerva	La Gloria	Underground
17476-476	9871.069	9515.299	2030.102	Minerva	La Gloria	Underground
17477-477	9871.677	9512.126	2030.369	Minerva	La Gloria	Underground
17478-478	9872.775	9509.365	2031.271	Minerva	La Gloria	Underground
17479-479	9873.353	9505.385	2030.489	Minerva	La Gloria	Underground
17480-480	9873.608	9501.654	2030.924	Minerva	La Gloria	Underground
17481-481	9874.651	9498.986	2031.417	Minerva	La Gloria	Underground
17482-483	9874.929	9496.991	2031.175	Minerva	La Gloria	Underground
17484-485	9874.689	9493.636	2030.855	Minerva	La Gloria	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
17486-486	9875.285	9488.984	2030.976	Minerva	La Gloria	Underground
17487-487	9874.763	9484.125	2031.434	Minerva	La Gloria	Underground
17488-488	9874.01	9481.022	2031.314	Minerva	La Gloria	Underground
19705-706	9863.649	9579.873	2012.443	Minerva	La Gloria	Underground
19707-708	9864.053	9586.348	2012.011	Minerva	La Gloria	Underground
19711-713	9863.503	9576.036	2012.233	Minerva	La Gloria	Underground
19716-719	9865.014	9573.91	2012.268	Minerva	La Gloria	Underground
19724-726	9865.645	9572.111	2012.137	Minerva	La Gloria	Underground
19744-744	9861.829	9584.873	2014.301	Minerva	La Gloria	Underground
19745-745	9864.916	9589.666	2013.49	Minerva	La Gloria	Underground
19758-759	9863.005	9586.086	2013.708	Minerva	La Gloria	Underground
19760-761	9863.481	9587.501	2013.553	Minerva	La Gloria	Underground
19762-764	9864.162	9588.831	2013.517	Minerva	La Gloria	Underground
19765-767	9864.245	9580.055	2014.352	Minerva	La Gloria	Underground
19768-770	9863.506	9578.545	2013.667	Minerva	La Gloria	Underground
19771-773	9863.168	9577.007	2013.876	Minerva	La Gloria	Underground
19774-776	9863.347	9575.555	2013.944	Minerva	La Gloria	Underground
20201-203	9866.038	9597.103	2013.491	Minerva	La Gloria	Underground
20204-206	9865.113	9594.7	2013.392	Minerva	La Gloria	Underground
20207-207	9864.185	9593.104	2011.82	Minerva	La Gloria	Underground
20238-239	9866.794	9561.678	2012.328	Minerva	La Gloria	Underground
20240-241	9873.824	9605.523	2012.02	Minerva	La Gloria	Underground
20242-244	9878.799	9607.372	2012.026	Minerva	La Gloria	Underground
20269-271	9877.928	9606.467	2012.029	Minerva	La Gloria	Underground
20272-275	9878.222	9608.981	2011.942	Minerva	La Gloria	Underground
20276-279	9875.86	9610.381	2011.939	Minerva	La Gloria	Underground
20516-518	9865.94	9571.191	2013.659	Minerva	La Gloria	Underground
20519-521	9866.95	9570.232	2013.653	Minerva	La Gloria	Underground
20522-522	9866.609	9561.536	2014.195	Minerva	La Gloria	Underground
20523-525	9869.418	9561.882	2013.89	Minerva	La Gloria	Underground
20526-528	9866.809	9560.376	2014.022	Minerva	La Gloria	Underground
20529-530	9868.12	9551.734	2014.719	Minerva	La Gloria	Underground
20531-532	9873.874	9603.849	2013.395	Minerva	La Gloria	Underground
20533-535	9874.605	9606.671	2013.237	Minerva	La Gloria	Underground
20536-539	9875.279	9607.902	2012.965	Minerva	La Gloria	Underground
20540-541	9876.127	9609.715	2011.942	Minerva	La Gloria	Underground
20542-543	9876.095	9610.889	2011.953	Minerva	La Gloria	Underground
20618-620	9880	9613.053	2011.475	Minerva	La Gloria	Underground
20625-625	9873.857	9478.831	2030.921	Minerva	La Gloria	Underground
20626-626	9870.871	9476.329	2031.043	Minerva	La Gloria	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20627-628	9861.319	9461.965	2031.026	Minerva	La Gloria	Underground
20629-631	9859.774	9459.606	2031.187	Minerva	La Gloria	Underground
20632-633	9857.526	9456.183	2031.432	Minerva	La Gloria	Underground
20641-642	9867.671	9546.31	2012.923	Minerva	La Gloria	Underground
20643-643	9867.451	9547.359	2012.845	Minerva	La Gloria	Underground
20644-645	9867.97	9548.029	2013.728	Minerva	La Gloria	Underground
20646-648	9867.711	9549.866	2014.996	Minerva	La Gloria	Underground
20651-652	9847.825	9443.96	2029.099	Minerva	La Gloria	Underground
20653-654	9844.837	9441.261	2028.315	Minerva	La Gloria	Underground
20655-658	9842.684	9438.901	2028.199	Minerva	La Gloria	Underground
20659-662	9840.172	9435.069	2027.617	Minerva	La Gloria	Underground
20663-666	9839.065	9431.016	2027.118	Minerva	La Gloria	Underground
20675-675	9867.542	9544.179	2012.798	Minerva	La Gloria	Underground
20676-678	9877.917	9616.927	2012.091	Minerva	La Gloria	Underground
20685-685	9876.817	9616.618	2012.08	Minerva	La Gloria	Underground
20752-754	9867.75	9540.665	2012.61	Minerva	La Gloria	Underground
20797-798	9880.467	9622.22	2011.872	Minerva	La Gloria	Underground
20799-800	9867.626	9538.705	2012.39	Minerva	La Gloria	Underground
20919-919	9865.455	9538.645	2012.656	Minerva	La Gloria	Underground
21209-209	9884.18	9625.638	2011.499	Minerva	La Gloria	Underground
258278-279	9868.472	9582.834	2034.827	Minerva	La Gloria	Underground
431536-536	9874.442	9604.942	2012.02	Minerva	La Gloria	Underground
431537-540	9874.925	9605.916	2012.106	Minerva	La Gloria	Underground
431541-541	9871.215	9601.223	2012.147	Minerva	La Gloria	Underground
431542-542	9872.684	9598.952	2013.518	Minerva	La Gloria	Underground
431543-544	9872.172	9602.545	2013.787	Minerva	La Gloria	Underground
431545-547	9870.391	9601.102	2013.498	Minerva	La Gloria	Underground
431548-550	9868.512	9600.145	2013.437	Minerva	La Gloria	Underground
458265-266	9871.227	9588.786	2034.704	Minerva	La Gloria	Underground
458267-269	9870.927	9588.494	2034.753	Minerva	La Gloria	Underground
458270-270	9870.063	9588.393	2036.421	Minerva	La Gloria	Underground
458275-277	9867.811	9576.545	2034.03	Minerva	La Gloria	Underground
458406-411	9874.205	9597.216	2035.309	Minerva	La Gloria	Underground
458412-414	9873.628	9597.893	2035.357	Minerva	La Gloria	Underground
458415-419	9871.232	9599.558	2035.661	Minerva	La Gloria	Underground
458451-452	9871.709	9593.215	2036.894	Minerva	La Gloria	Underground
458453-453	9871.074	9592.781	2036.85	Minerva	La Gloria	Underground
458454-454	9871.091	9592.266	2036.806	Minerva	La Gloria	Underground
458455-456	9871.935	9591.028	2035.027	Minerva	La Gloria	Underground
458457-457	9870.24	9590.438	2036.666	Minerva	La Gloria	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
458464-465	9872.391	9574.351	2033.735	Minerva	La Gloria	Underground
458466-468	9871.875	9572.64	2038.392	Minerva	La Gloria	Underground
458469-472	9869.121	9572.968	2033.756	Minerva	La Gloria	Underground
458568-571	9873.251	9512.77	2029.344	Minerva	La Gloria	Underground
458572-575	9875.886	9508.179	2029.344	Minerva	La Gloria	Underground
458576-578	9876.366	9506.562	2029.335	Minerva	La Gloria	Underground
458579-583	9877.398	9503.018	2029.321	Minerva	La Gloria	Underground
458593-597	9877.966	9495.711	2029.335	Minerva	La Gloria	Underground
458598-602	9878.302	9493.452	2029.328	Minerva	La Gloria	Underground
458603-608	9879.379	9488.779	2029.336	Minerva	La Gloria	Underground
1802-805	10868.78	6958.769	2054.895	La India	La India	Underground
1802-806	10870.2	6961.131	2054.895	La India	La India	Underground
208627-631	10887.6	6998.057	2049.89	La India	La India	Underground
208647-650	11038.69	7279.09	2088.677	La India	La India	Underground
433001-005	11017.88	7256.941	2085.517	La India	La India	Underground
433012-015	11122.58	7357.996	2079.4	La India	La India	Underground
433012-016	11123.48	7359.207	2079.4	La India	La India	Underground
433019-021	11017.14	7254.179	2084.903	La India	La India	Underground
433022-025	11015.4	7250.762	2084.579	La India	La India	Underground
433026-029	11125.04	7360.261	2079.145	La India	La India	Underground
433030-033	11013.56	7247.312	2084.25	La India	La India	Underground
433034-037	11126.24	7361.381	2078.901	La India	La India	Underground
433034-038	11127.25	7362.666	2078.901	La India	La India	Underground
433071-077	10810.95	7031.144	2040.908	La India	La India	Underground
433078-083	10806.83	7034.59	2039.819	La India	La India	Underground
433090-093	10805.65	7034.932	2039.648	La India	La India	Underground
433094-097	10802.96	7037.088	2039.262	La India	La India	Underground
433102-106	11131.31	7367.2	2078.029	La India	La India	Underground
433107-112	11009.5	7242.816	2083.451	La India	La India	Underground
433113-116	10800.51	7033.575	2039.22	La India	La India	Underground
433117-120	11006.19	7239.89	2082.453	La India	La India	Underground
433121-125	11133.17	7369.609	2077.938	La India	La India	Underground
433136-139	10797.15	7035.385	2038.804	La India	La India	Underground
433140-144	10793.39	7037.852	2038.462	La India	La India	Underground
433145-150	11134.39	7371.723	2077.487	La India	La India	Underground
433163-167	11003.61	7239.12	2081.956	La India	La India	Underground
433168-172	11135.36	7372.32	2077.282	La India	La India	Underground
433180-185	10999.01	7235.07	2081.261	La India	La India	Underground
433198-203	10997.78	7234.425	2081.055	La India	La India	Underground
433266-270	10992.31	7224.687	2079.709	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
433271-275	11143.39	7382.216	2075.2	La India	La India	Underground
433276-280	10991.86	7223.773	2079.479	La India	La India	Underground
433295-298	10992.71	7134.12	2022.376	La India	La India	Underground
433299-303	11144.67	7383.637	2075.027	La India	La India	Underground
433304-309	10990.02	7222.374	2079.248	La India	La India	Underground
433317-320	10993.53	7136.372	2022.019	La India	La India	Underground
433401-404	10819.66	7021.659	2043.187	La India	La India	Underground
433405-409	10992.2	7155.027	2018.759	La India	La India	Underground
433414-418	10971.01	7196.712	2074.334	La India	La India	Underground
433427-428	10962.08	7184.945	2071.951	La India	La India	Underground
433429-433	10972.66	7185.627	2073.103	La India	La India	Underground
433434-436	10972.32	7189.394	2073.326	La India	La India	Underground
433444-447	10987.73	7166.632	2016.501	La India	La India	Underground
433448-450	10959.91	7184.789	2071.874	La India	La India	Underground
433451-455	10973.84	7184.82	2073.079	La India	La India	Underground
433458-461	10986.9	7168.582	2016.209	La India	La India	Underground
433462-465	10819.06	7018.205	2043.344	La India	La India	Underground
433472-473	10825.86	7027.378	2043.199	La India	La India	Underground
433474-478	10817.97	7016.781	2043.332	La India	La India	Underground
433479-482	10975	7184.138	2073.057	La India	La India	Underground
433489-492	10825.17	7029.389	2042.759	La India	La India	Underground
433493-494	10817.4	7016.133	2043.331	La India	La India	Underground
433495-497	10816.67	7014.304	2043.328	La India	La India	Underground
433502-506	10956.89	7183.589	2071.39	La India	La India	Underground
433510-514	10825.89	7030.537	2042.709	La India	La India	Underground
433515-519	10985.98	7170.013	2015.947	La India	La India	Underground
433524-526	10976.63	7181.891	2073.006	La India	La India	Underground
433527-531	10955.73	7182.523	2071.158	La India	La India	Underground
433532-533	10957.15	7177.445	2070.714	La India	La India	Underground
433534-538	10954.32	7179.592	2070.667	La India	La India	Underground
433539-539	10826.39	7031.523	2042.662	La India	La India	Underground
433540-544	10827.12	7031.96	2042.434	La India	La India	Underground
433545-549	10815.61	7013.332	2043.326	La India	La India	Underground
433550-554	10826.97	7033.879	2042.227	La India	La India	Underground
433555-558	10984.21	7170.779	2015.556	La India	La India	Underground
433559-561	10977.95	7181.036	2072.979	La India	La India	Underground
433562-566	10953.15	7178.615	2070.485	La India	La India	Underground
433570-573	10983.22	7171.623	2014.517	La India	La India	Underground
433574-577	10949.9	7176.992	2069.717	La India	La India	Underground
433578-581	10981.65	7173.471	2014.96	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
433582-582	10986.14	7174.801	2015.3	La India	La India	Underground
433591-596	10945.42	7174.322	2069.041	La India	La India	Underground
433597-599	10942.16	7173.528	2068.171	La India	La India	Underground
433606-608	10982.28	7179.366	2014.884	La India	La India	Underground
433609-609	10980.96	7178.284	2014.994	La India	La India	Underground
433610-612	10980.74	7177.193	2014.647	La India	La India	Underground
433613-615	10940.03	7173.125	2067.941	La India	La India	Underground
433616-617	10982.15	7181.966	2014.531	La India	La India	Underground
433618-620	10978.16	7184.584	2014.348	La India	La India	Underground
433621-623	11160.48	7398.203	2072.018	La India	La India	Underground
433629-633	10937.51	7172.176	2070.526	La India	La India	Underground
433629-634	10938.9	7169.772	2070.526	La India	La India	Underground
433634-638	10981.49	7184.771	2013.85	La India	La India	Underground
433643-646	10984.68	7188.019	2013.416	La India	La India	Underground
433647-650	10935.08	7168.323	2068.451	La India	La India	Underground
433655-659	10986	7189.651	2013.142	La India	La India	Underground
433664-667	10988.96	7192.201	2012.483	La India	La India	Underground
433670-673	10933.63	7164.768	2067.187	La India	La India	Underground
433680-683	10990.29	7193.587	2011.477	La India	La India	Underground
433687-690	10931.81	7162.65	2066.733	La India	La India	Underground
433697-699	10991.61	7194.492	2011.605	La India	La India	Underground
433700-703	10978.87	7177.491	2014.249	La India	La India	Underground
433704-708	10827.44	7036.334	2041.025	La India	La India	Underground
433721-723	10993.55	7196.769	2011.558	La India	La India	Underground
433724-726	10927.78	7158.544	2065.172	La India	La India	Underground
433735-737	10829	7038.086	2041.184	La India	La India	Underground
433738-740	10924.78	7155.881	2064.537	La India	La India	Underground
433741-744	10922.97	7154.933	2064.394	La India	La India	Underground
433749-749	10998.07	7197.354	2012.329	La India	La India	Underground
433756-757	10921.53	7153.142	2064.252	La India	La India	Underground
433758-758	10923.45	7151.451	2064.313	La India	La India	Underground
433759-759	10925.04	7150.528	2064.41	La India	La India	Underground
433760-760	10999.29	7198.661	2012.327	La India	La India	Underground
433761-764	10830.32	7039.469	2041.19	La India	La India	Underground
433769-772	10998.32	7201.499	2012.039	La India	La India	Underground
433773-773	10922.82	7152.437	2064.076	La India	La India	Underground
433774-777	11147.06	7377.879	2061.953	La India	La India	Underground
433778-779	11148.5	7375.733	2062.887	La India	La India	Underground
433780-781	10831.43	7039.265	2041.461	La India	La India	Underground
433782-784	10833.32	7041.303	2040.837	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
433785-785	10835.34	7037.917	2040.98	La India	La India	Underground
433786-786	11000.38	7203.217	2012.372	La India	La India	Underground
433787-787	11001.75	7202.252	2012.132	La India	La India	Underground
433788-788	11002.47	7200.97	2012.099	La India	La India	Underground
433790-793	11143.92	7376.734	2062.242	La India	La India	Underground
433794-797	10919.46	7150.995	2064.069	La India	La India	Underground
433798-803	11142.04	7374.156	2062.055	La India	La India	Underground
433808-811	10835.05	7042.254	2040.221	La India	La India	Underground
433812-813	10837.39	7038.289	2040.519	La India	La India	Underground
433816-819	10836.96	7043.625	2040.015	La India	La India	Underground
433832-835	11135.29	7367.434	2060.747	La India	La India	Underground
433836-839	10839.11	7045.131	2039.492	La India	La India	Underground
433846-849	10841.7	7046.729	2038.902	La India	La India	Underground
433854-857	11131.6	7365.247	2060.251	La India	La India	Underground
433854-858	11133.55	7362.463	2060.28	La India	La India	Underground
433864-867	11129.13	7362.185	2059.711	La India	La India	Underground
433870-873	10845.6	7050.632	2038.323	La India	La India	Underground
433880-883	11125.51	7359.889	2059.242	La India	La India	Underground
433886-889	10846.94	7051.503	2037.607	La India	La India	Underground
433894-897	10848.78	7053.64	2037.801	La India	La India	Underground
433902-902	11126.75	7360.615	2059.398	La India	La India	Underground
433903-903	11125.51	7359.136	2059.133	La India	La India	Underground
433904-906	11123.48	7357.382	2058.792	La India	La India	Underground
433921-924	10850.22	7057.176	2037.671	La India	La India	Underground
433931-933	11120.67	7353.835	2058.033	La India	La India	Underground
433934-937	11118.73	7351.349	2057.515	La India	La India	Underground
433938-941	10851	7058.596	2037.346	La India	La India	Underground
433956-959	10851.56	7060.005	2036.98	La India	La India	Underground
433964-966	11115.98	7348.324	2056.94	La India	La India	Underground
433967-969	11114.16	7345.478	2056.78	La India	La India	Underground
433976-978	10852.01	7061.392	2036.571	La India	La India	Underground
433984-988	10853.04	7063.081	2036.761	La India	La India	Underground
433992-996	11112.43	7344.727	2056.631	La India	La India	Underground
433992-997	11114.96	7343.265	2056.631	La India	La India	Underground
434503-507	11110.25	7343.251	2055.448	La India	La India	Underground
434508-512	10854.16	7065.785	2037.276	La India	La India	Underground
434527-530	11108.17	7340.266	2055.044	La India	La India	Underground
434531-533	10859.26	7068.222	2035.548	La India	La India	Underground
434551-552	11100.37	7327.65	2052.741	La India	La India	Underground
434553-558	10980.74	7173.218	2014.583	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
434559-571	10986.48	7183.107	2013.739	La India	La India	Underground
434572-574	10863.14	7070.73	2034.641	La India	La India	Underground
434585-589	10865.44	7072.55	2034.044	La India	La India	Underground
434590-494	10867.74	7068.074	2034.796	La India	La India	Underground
434607-609	11098.48	7325.545	2052.547	La India	La India	Underground
434610-613	10868.28	7074.169	2033.57	La India	La India	Underground
434616-619	10869.67	7074.696	2033.5	La India	La India	Underground
434620-627	10909.34	7037.761	2044.125	La India	La India	Underground
434628-628	10905.83	7029.64	2044.512	La India	La India	Underground
434629-632	10871.86	7076.428	2032.938	La India	La India	Underground
434633-635	11002.9	7204.319	2011.71	La India	La India	Underground
434650-650	11005.18	7204.624	2012.082	La India	La India	Underground
434657-659	11094.87	7320.705	2052.065	La India	La India	Underground
434660-661	11007.26	7206.291	2012.045	La India	La India	Underground
434662-666	10872.89	7077.359	2032.629	La India	La India	Underground
434671-674	10975.94	7174.65	2013.51	La India	La India	Underground
434675-676	11007.72	7207.487	2011.992	La India	La India	Underground
434675-677	11008.14	7207.141	2012.189	La India	La India	Underground
434677-680	10873.96	7077.824	2032.33	La India	La India	Underground
434683-686	10974.57	7173.673	2013.509	La India	La India	Underground
434687-690	11008.49	7208.432	2011.597	La India	La India	Underground
434691-694	10876.13	7079.231	2032.418	La India	La India	Underground
434695-697	11094.4	7319.99	2051.673	La India	La India	Underground
434701-704	10973.12	7172.007	2013	La India	La India	Underground
434705-705	11011.8	7210.255	2012.096	La India	La India	Underground
434706-709	10879.21	7080.626	2031.565	La India	La India	Underground
434716-718	11092.64	7318.367	2051.422	La India	La India	Underground
434721-724	10881.67	7082.701	2030.831	La India	La India	Underground
434725-728	10972	7170.95	2012.482	La India	La India	Underground
434729-729	11013.67	7211.662	2012.144	La India	La India	Underground
434734-736	11089.77	7315.384	2051.27	La India	La India	Underground
434737-739	10883.29	7084.201	2030.148	La India	La India	Underground
434740-742	11015.04	7213.847	2011.747	La India	La India	Underground
434745-747	11018.05	7215.921	2011.77	La India	La India	Underground
434748-750	10885.5	7085.727	2030.595	La India	La India	Underground
434751-754	11085.51	7311.539	2050.774	La India	La India	Underground
434761-763	10985.5	7103.401	2026.45	La India	La India	Underground
434764-766	10888.4	7087.5	2029.413	La India	La India	Underground
434767-768	10874.05	7078.767	2032.558	La India	La India	Underground
434769-770	10889.45	7088.069	2029.425	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
434771-772	10890.3	7088.864	2029.213	La India	La India	Underground
434773-773	10891.62	7089.334	2029.167	La India	La India	Underground
450139-142	10879.97	6981.459	2052.223	La India	La India	Underground
450139-143	10880	6982.408	2052.223	La India	La India	Underground
450139-144	10882.13	6982.049	2052.223	La India	La India	Underground
450139-143	10880.61	6982.185	2052.223	La India	La India	Underground
453061-065	11128.04	7363.004	2078.626	La India	La India	Underground
454001-005	11094.51	7322.488	2086.984	La India	La India	Underground
454010-014	11095.91	7326.316	2086.091	La India	La India	Underground
454019-022	10980.66	7087.126	2029.932	La India	La India	Underground
454025-029	11097.76	7329.151	2085.614	La India	La India	Underground
454033-036	10981.7	7088.988	2029.246	La India	La India	Underground
454050-054	10983.11	7094.007	2028.315	La India	La India	Underground
454068-072	11099.34	7333.59	2085.498	La India	La India	Underground
454073-077	10983.61	7095.489	2028.006	La India	La India	Underground
454087-091	11103.18	7336.829	2084.393	La India	La India	Underground
454104-108	10984.97	7103.246	2026.907	La India	La India	Underground
454109-114	11106.03	7339.734	2083.487	La India	La India	Underground
454119-121	10985.3	7103.141	2026.814	La India	La India	Underground
454122-125	10985.39	7105.389	2026.277	La India	La India	Underground
454134-137	11106.74	7340.571	2083.361	La India	La India	Underground
454134-138	11108.14	7342.046	2083.361	La India	La India	Underground
454139-143	11107.65	7344.035	2082.994	La India	La India	Underground
454148-149	10986.45	7108.238	2025.789	La India	La India	Underground
454150-154	10987.02	7109.443	2025.798	La India	La India	Underground
454159-163	11110.79	7348.338	2082.07	La India	La India	Underground
454165-169	10986.79	7111.38	2025.565	La India	La India	Underground
454170-174	10991.25	7110.833	2025.603	La India	La India	Underground
454179-183	10987.14	7112.719	2025.457	La India	La India	Underground
454184-189	11115.2	7348.936	2081.569	La India	La India	Underground
454190-194	11031.95	7267.307	2088.612	La India	La India	Underground
454195-198	11030.04	7265.462	2088.07	La India	La India	Underground
454205-206	10987.24	7113.289	2025.431	La India	La India	Underground
454207-211	10987.43	7114.807	2025.387	La India	La India	Underground
454221-225	11116.39	7350.447	2081.286	La India	La India	Underground
454238-240	10992.92	7109.597	2025.513	La India	La India	Underground
454241-245	10987.37	7116.056	2025.205	La India	La India	Underground
454246-250	11025.24	7268.193	2087.725	La India	La India	Underground
454255-255	10993.69	7111.063	2025.073	La India	La India	Underground
454256-261	10994.89	7110.657	2025.427	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
454262-267	11023.83	7266.397	2087.387	La India	La India	Underground
454274-278	10987.84	7119.109	2024.34	La India	La India	Underground
454281-286	11021.93	7263.894	2086.872	La India	La India	Underground
454288-291	11119.45	7354.556	2079.492	La India	La India	Underground
454296-299	10822.12	7018.885	2043.534	La India	La India	Underground
454300-304	10998.3	7110.413	2025.459	La India	La India	Underground
454305-309	10988.33	7123.799	2023.41	La India	La India	Underground
454322-326	11020.17	7260.276	2086.208	La India	La India	Underground
454327-330	11120.72	7356.092	2079.589	La India	La India	Underground
454331-335	11120.79	7355.659	2079.649	La India	La India	Underground
454331-336	11122.27	7357.474	2079.649	La India	La India	Underground
454337-340	11018.94	7258.079	2085.753	La India	La India	Underground
454349-350	10822.1	7019.921	2043.557	La India	La India	Underground
454351-355	10993.84	7140.148	2021.13	La India	La India	Underground
454356-360	10986.72	7218.888	2078.565	La India	La India	Underground
454373-377	10823.63	7024.778	2043.825	La India	La India	Underground
454378-382	10994.09	7142.431	2020.658	La India	La India	Underground
454386-389	10983.2	7215.112	2077.542	La India	La India	Underground
454398-402	10981.64	7213.412	2077.194	La India	La India	Underground
454409-413	10994.32	7145.471	2020.217	La India	La India	Underground
454430-434	10994.3	7149.41	2019.63	La India	La India	Underground
454440-444	10979.09	7207.867	2076.641	La India	La India	Underground
454445-449	11158.47	7394.174	2072.139	La India	La India	Underground
454469-473	10992.8	7153.728	2019.054	La India	La India	Underground
454474-478	10973.48	7201.183	2075.09	La India	La India	Underground
454479-483	11161.07	7395.239	2072.062	La India	La India	Underground
454488-493	10972.24	7199.475	2074.723	La India	La India	Underground
454494-497	11165.53	7396.752	2071.525	La India	La India	Underground
454501-504	11043.09	7286.676	2088.608	La India	La India	Underground
454537-540	11047.82	7290.978	2088.324	La India	La India	Underground
454545-549	10876.32	6982.477	2051.894	La India	La India	Underground
454550-555	10919.18	7024.499	2043.399	La India	La India	Underground
454560-564	11050.41	7293.363	2088.28	La India	La India	Underground
454570-575	10923.16	7027.612	2042.568	La India	La India	Underground
454578-582	11052.4	7295.382	2088.217	La India	La India	Underground
454587-590	11054.47	7296.666	2088.166	La India	La India	Underground
454591-594	10875.06	6984.586	2051.695	La India	La India	Underground
454595-600	10926.96	7031.864	2041.603	La India	La India	Underground
454609-613	11056.22	7297.823	2088.268	La India	La India	Underground
454618-621	10873.67	6987.265	2051.911	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
454622-622	10876.8	6987.724	2051.818	La India	La India	Underground
454623-628	10930.54	7034.56	2040.844	La India	La India	Underground
454629-632	10872.58	6988.835	2051.933	La India	La India	Underground
454633-639	10933.39	7036.218	2040.585	La India	La India	Underground
454643-643	11058.56	7297.509	2088.341	La India	La India	Underground
454644-649	11058.71	7299.063	2088.349	La India	La India	Underground
454660-664	10934.36	7036.703	2040.422	La India	La India	Underground
454665-665	10933.86	7032.032	2040.717	La India	La India	Underground
454666-666	10925.78	7024.722	2042.506	La India	La India	Underground
454667-667	10921.27	7019.656	2043.517	La India	La India	Underground
454668-668	10919.85	7019.021	2043.718	La India	La India	Underground
454669-669	10917.58	7017.989	2043.988	La India	La India	Underground
454670-670	10911.91	7014.915	2045.002	La India	La India	Underground
454671-676	10871.22	6990.333	2051.869	La India	La India	Underground
454680-684	10935.63	7037.333	2040.118	La India	La India	Underground
454687-692	10870.6	6991.668	2051.724	La India	La India	Underground
454693-697	11060.39	7300.543	2088.447	La India	La India	Underground
454702-704	10869.76	6993.211	2051.796	La India	La India	Underground
454706-711	10937.15	7038.316	2039.785	La India	La India	Underground
454715-719	11062.59	7303.028	2088.661	La India	La India	Underground
454730-734	10940.09	7040.475	2039.263	La India	La India	Underground
454752-756	10944.76	7043.644	2038.552	La India	La India	Underground
454765-769	10949.03	7047.1	2037.151	La India	La India	Underground
454781-785	10950.67	7048.327	2037.049	La India	La India	Underground
454786-789	10867.18	6996.674	2051.089	La India	La India	Underground
454813-817	10952.73	7049.802	2036.509	La India	La India	Underground
454818-821	10865.31	6998.938	2050.653	La India	La India	Underground
454866-870	11080.12	7315.924	2089.32	La India	La India	Underground
454871-837	11085.78	7316.655	2088.71	La India	La India	Underground
454919-922	10971.75	7073.54	2032.421	La India	La India	Underground
454923-926	10858.22	6999.993	2050.214	La India	La India	Underground
454935-939	11088.6	7318.43	2088.044	La India	La India	Underground
454940-943	10974.43	7075.851	2031.752	La India	La India	Underground
454956-959	10976.28	7078.183	2031.201	La India	La India	Underground
454968-971	10977.55	7080.517	2031.029	La India	La India	Underground
454988-989	11091.75	7319.872	2087.59	La India	La India	Underground
454990-993	11093.3	7321.379	2087.463	La India	La India	Underground
454994-997	10979.32	7084.312	2030.553	La India	La India	Underground
457595-598	10910.23	7018.873	2044.976	La India	La India	Underground
744401-428	11029.68	7270.755	2088.752	La India	La India	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
744406-427	11031.36	7272.505	2088.703	La India	La India	Underground
744429-430	11042.26	7264.109	2088.901	La India	La India	Underground
19735-19737	9789.842	9292.133	2129.422	La Gloria	La Gloria	Underground
19738-19740	9789.616	9289.568	2129.126	La Gloria	La Gloria	Underground
19741-19743	9788.405	9287.763	2129.22	La Gloria	La Gloria	Underground
19746-19749	9781.472	9281.117	2127.611	La Gloria	La Gloria	Underground
19789-19792	9779.31	9278.799	2127.4	La Gloria	La Gloria	Underground
19807-19810	9774.73	9274.632	2126.176	La Gloria	La Gloria	Underground
19822-19826	9771.434	9269.406	2125.722	La Gloria	La Gloria	Underground
19827-19827	9768.336	9272.367	2125.387	La Gloria	La Gloria	Underground
19828-19828	9767.64	9267.376	2124.829	La Gloria	La Gloria	Underground
19829-19829	9767.164	9266.525	2124.621	La Gloria	La Gloria	Underground
19830-19830	9761.451	9266.62	2124.323	La Gloria	La Gloria	Underground
19831-19831	9766.432	9264.351	2123.962	La Gloria	La Gloria	Underground
19832-19832	9766.395	9263.804	2123.89	La Gloria	La Gloria	Underground
19833-19833	9766.814	9265.826	2124.584	La Gloria	La Gloria	Underground
19834-19834	9766.645	9265.184	2124.218	La Gloria	La Gloria	Underground
20208-212	9758.56	9251.046	2122.262	La Gloria	La Gloria	Underground
20215-218	9756.393	9245.626	2121.315	La Gloria	La Gloria	Underground
20219-219	9752.635	9246.275	2121.541	La Gloria	La Gloria	Underground
20220-220	9756.707	9248.142	2121.688	La Gloria	La Gloria	Underground
20221-222	9772.951	9266.972	2126.135	La Gloria	La Gloria	Underground
20223-227	9774.884	9269.152	2126.135	La Gloria	La Gloria	Underground
20247-251	9756.462	9244.161	2120.979	La Gloria	La Gloria	Underground
20254-257	9774.033	9273.701	2129.005	La Gloria	La Gloria	Underground
20258-262	9772.861	9271.566	2128.267	La Gloria	La Gloria	Underground
20282-285	9755.591	9237.474	2120.152	La Gloria	La Gloria	Underground
20288-291	9771.155	9269.18	2128.226	La Gloria	La Gloria	Underground
20292-295	9769.166	9267.942	2127.623	La Gloria	La Gloria	Underground
20296-300	9767.537	9266.891	2127.25	La Gloria	La Gloria	Underground
20501-502	9754.674	9232.344	2119.584	La Gloria	La Gloria	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20503-503	9751.459	9232.722	2119.559	La Gloria	La Gloria	Underground
20510-513	9754.806	9231.202	2119.443	La Gloria	La Gloria	Underground
20579-582	9753.594	9229.393	2121.177	La Gloria	La Gloria	Underground
20586-588	9754.852	9238.986	2122.617	La Gloria	La Gloria	Underground
20589-591	9754.416	9236.343	2122.163	La Gloria	La Gloria	Underground
20592-595	9753.857	9233.103	2122.508	La Gloria	La Gloria	Underground
20596-598	9753.522	9231.162	2121.793	La Gloria	La Gloria	Underground
20599-602	9755.913	9242.042	2123.146	La Gloria	La Gloria	Underground
20603-606	9756.183	9244.068	2123.351	La Gloria	La Gloria	Underground
20607-608	9755.546	9246.161	2123.677	La Gloria	La Gloria	Underground
20609-611	9753.202	9226.139	2118.854	La Gloria	La Gloria	Underground
20612-615	9753.807	9227.149	2120.419	La Gloria	La Gloria	Underground
21201-205	9739.521	9196.339	2113.421	La Gloria	La Gloria	Underground
21208-208	9737.592	9215.588	2115.034	La Gloria	La Gloria	Underground
21216-218	9749.32	9199.754	2112.523	La Gloria	La Gloria	Underground
21235-238	9750.09	9221.772	2116.607	La Gloria	La Gloria	Underground
21263-264	9750.079	9224.478	2118.589	La Gloria	La Gloria	Underground
21265-266	9741.152	9188.966	2113.257	La Gloria	La Gloria	Underground
21287-291	9738.047	9179.501	2113.255	La Gloria	La Gloria	Underground
21292-295	9735.249	9177.263	2113.347	La Gloria	La Gloria	Underground
21710-713	9732	9173.447	2113.436	La Gloria	La Gloria	Underground
21714-717	9729.376	9169.944	2113.5	La Gloria	La Gloria	Underground
21722-724	9727.564	9169.261	2113.575	La Gloria	La Gloria	Underground
21727-727	9733.559	9174.737	2112.737	La Gloria	La Gloria	Underground
21728-729	9732.895	9172.695	2112.947	La Gloria	La Gloria	Underground
21736-739	9728.375	9166.562	2113.496	La Gloria	La Gloria	Underground
21740-744	9727.796	9165.371	2113.497	La Gloria	La Gloria	Underground
431501-502	9796.487	9306.126	2132.423	La Gloria	La Gloria	Underground
431507-510	9793.494	9302.235	2131.751	La Gloria	La Gloria	Underground
431515-518	9792.044	9299.695	2131.193	La Gloria	La Gloria	Underground
431523-525	9789.281	9296.776	2130.532	La Gloria	La Gloria	Underground
431526-528	9787.829	9295.481	2130.411	La Gloria	La Gloria	Underground
431529-533	9789.515	9293.64	2130.119	La Gloria	La Gloria	Underground
21751-754	9722.733	9163.504	2113.214	La Gloria	La Gloria	Underground
21755-759	9718.657	9157.815	2113.383	La Gloria	La Gloria	Underground
21762-764	9721.357	9153.19	2113.163	La Gloria	La Gloria	Underground
14642	10603.22	9407.219	1910.892	Santa Eduwiges	Santa Eduwiges	Underground
14643	10605.22	9408.394	1910.567	Santa Eduwiges	Santa Eduwiges	Underground
14644	10606.36	9410.077	1910.584	Santa Eduwiges	Santa Eduwiges	Underground
14645	10606.83	9411.839	1910.737	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
14646	10608	9413.609	1910.916	Santa Eduwiges	Santa Eduwiges	Underground
14647	10609.1	9415.371	1910.584	Santa Eduwiges	Santa Eduwiges	Underground
11595-595	10654.19	9447.267	1900.707	Santa Eduwiges	Santa Eduwiges	Underground
11596-596	10655.91	9448.351	1900.808	Santa Eduwiges	Santa Eduwiges	Underground
11597-597	10657.48	9449.131	1900.896	Santa Eduwiges	Santa Eduwiges	Underground
11598-598	10659.56	9449.684	1900.749	Santa Eduwiges	Santa Eduwiges	Underground
11599-599	10661.63	9450.561	1900.545	Santa Eduwiges	Santa Eduwiges	Underground
11600-600	10663.8	9451.25	1900.288	Santa Eduwiges	Santa Eduwiges	Underground
11701-701	10666.07	9452.256	1900.681	Santa Eduwiges	Santa Eduwiges	Underground
11702-702	10668.52	9452.873	1900.346	Santa Eduwiges	Santa Eduwiges	Underground
11703-703	10671.19	9454.253	1900.647	Santa Eduwiges	Santa Eduwiges	Underground
11704-704	10672.55	9455.85	1900.524	Santa Eduwiges	Santa Eduwiges	Underground
11705-705	10673.3	9457.651	1900.716	Santa Eduwiges	Santa Eduwiges	Underground
11722-722	10673.31	9459.523	1901.857	Santa Eduwiges	Santa Eduwiges	Underground
11723-723	10674.03	9460.615	1900.569	Santa Eduwiges	Santa Eduwiges	Underground
11724-724	10674.78	9461.017	1900.68	Santa Eduwiges	Santa Eduwiges	Underground
11725-726	10677.03	9460.943	1899.472	Santa Eduwiges	Santa Eduwiges	Underground
11728-728	10677.04	9454.212	1899.364	Santa Eduwiges	Santa Eduwiges	Underground
12586-587	10679.64	9453.469	1900.734	Santa Eduwiges	Santa Eduwiges	Underground
12588-589	10681.5	9454.409	1900.964	Santa Eduwiges	Santa Eduwiges	Underground
12590-591	10683.2	9455.286	1901.144	Santa Eduwiges	Santa Eduwiges	Underground
12592-593	10685.08	9456.055	1901.41	Santa Eduwiges	Santa Eduwiges	Underground
12594-595	10686.67	9457.168	1901.413	Santa Eduwiges	Santa Eduwiges	Underground
12596-597	10688.48	9458.17	1900.971	Santa Eduwiges	Santa Eduwiges	Underground
12598-599	10690.56	9458.381	1901.063	Santa Eduwiges	Santa Eduwiges	Underground
12600-600	10692.46	9458.974	1901.079	Santa Eduwiges	Santa Eduwiges	Underground
12646-646	10695.13	9461.168	1900.984	Santa Eduwiges	Santa Eduwiges	Underground
12647-647	10692.01	9459.942	1901.079	Santa Eduwiges	Santa Eduwiges	Underground
12648-650	10694.79	9461.899	1900.979	Santa Eduwiges	Santa Eduwiges	Underground
13106-113	10589.9	9349.329	1919.516	Santa Eduwiges	Santa Eduwiges	Underground
13114-120	10578.64	9346.364	1919.879	Santa Eduwiges	Santa Eduwiges	Underground
13121-123	10572.57	9346.012	1919.649	Santa Eduwiges	Santa Eduwiges	Underground
13124-124	10571.09	9349.078	1919.511	Santa Eduwiges	Santa Eduwiges	Underground
13592-600	10201.83	9032.445	1999.155	Monaco	Milagro	Underground
13815-824	10210.07	9043.57	1999.445	Monaco	Milagro	Underground
13825-826	10223.17	9052.45	1998.794	Monaco	Milagro	Underground
13828-830	10197.3	9030.065	2000.923	Monaco	Milagro	Underground
13831-833	10199.71	9031.962	2000.914	Monaco	Milagro	Underground
13834-836	10201.9	9033.274	2000.825	Monaco	Milagro	Underground
13837-840	10228.63	9053.374	2000.083	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
14002-006	10216.13	9047.839	1998.866	Monaco	Milagro	Underground
14013-016	10554.74	9328.743	1920.013	Santa Eduwiges	Santa Eduwiges	Underground
14023-029	10669.23	9469.321	1899.749	Santa Eduwiges	Santa Eduwiges	Underground
14030-032	10674.28	9472.03	1899.723	Santa Eduwiges	Santa Eduwiges	Underground
14033-041	10673.18	9473.922	1899.732	Santa Eduwiges	Santa Eduwiges	Underground
14055-057	10200.12	9032.23	2000.968	Monaco	Milagro	Underground
14058-060	10202.69	9033.503	2000.756	Monaco	Milagro	Underground
14061-063	10204.21	9034.931	2000.565	Monaco	Milagro	Underground
14074-075	10648.85	9446.646	1900.371	Santa Eduwiges	Santa Eduwiges	Underground
14076-077	10646.52	9445.193	1900.524	Santa Eduwiges	Santa Eduwiges	Underground
14078-079	10644.79	9444.016	1900.749	Santa Eduwiges	Santa Eduwiges	Underground
14080-081	10642.86	9443.178	1900.722	Santa Eduwiges	Santa Eduwiges	Underground
14082-083	10641.01	9442.942	1900.715	Santa Eduwiges	Santa Eduwiges	Underground
14084-085	10639.13	9442.201	1900.649	Santa Eduwiges	Santa Eduwiges	Underground
14086-087	10636.73	9441.676	1900.804	Santa Eduwiges	Santa Eduwiges	Underground
14088-088	10635.11	9440.061	1900.93	Santa Eduwiges	Santa Eduwiges	Underground
14089-090	10633.62	9438.99	1900.975	Santa Eduwiges	Santa Eduwiges	Underground
14101-102	10633.19	9436.222	1900.855	Santa Eduwiges	Santa Eduwiges	Underground
14103-104	10633.09	9434.287	1900.762	Santa Eduwiges	Santa Eduwiges	Underground
14105-106	10633.15	9432.137	1900.787	Santa Eduwiges	Santa Eduwiges	Underground
14107-108	10632.19	9430.266	1900.888	Santa Eduwiges	Santa Eduwiges	Underground
14109-111	10630.31	9429.219	1900.884	Santa Eduwiges	Santa Eduwiges	Underground
14132-136	10669.33	9472.73	1899.744	Santa Eduwiges	Santa Eduwiges	Underground
14137-140	10671.38	9469.634	1899.721	Santa Eduwiges	Santa Eduwiges	Underground
14165-168	10671.99	9474.131	1901.398	Santa Eduwiges	Santa Eduwiges	Underground
14170-170	10672.17	9476.339	1899.754	Santa Eduwiges	Santa Eduwiges	Underground
14179-182	10670.26	9478.408	1899.776	Santa Eduwiges	Santa Eduwiges	Underground
14195-197	10670.17	9482.161	1899.863	Santa Eduwiges	Santa Eduwiges	Underground
14198-200	10670.33	9478.875	1901.154	Santa Eduwiges	Santa Eduwiges	Underground
14301-307	10196.8	9030.962	1999.336	Monaco	Milagro	Underground
14310-312	10669.34	9485.275	1899.846	Santa Eduwiges	Santa Eduwiges	Underground
14313-313	10669.69	9485.602	1899.828	Santa Eduwiges	Santa Eduwiges	Underground
14436-437	10610.29	9418.517	1900.527	Santa Eduwiges	Santa Eduwiges	Underground
14438-439	10613.06	9420.095	1900.708	Santa Eduwiges	Santa Eduwiges	Underground
14440-441	10615.71	9421.489	1900.835	Santa Eduwiges	Santa Eduwiges	Underground
14442-443	10618.38	9422.682	1900.943	Santa Eduwiges	Santa Eduwiges	Underground
14444-445	10620.85	9424.577	1900.986	Santa Eduwiges	Santa Eduwiges	Underground
14446-447	10623.33	9426.39	1900.736	Santa Eduwiges	Santa Eduwiges	Underground
14448-449	10626.17	9426.813	1900.871	Santa Eduwiges	Santa Eduwiges	Underground
14480-481	10670.84	9481.073	1901.23	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
14482-483	10670.66	9483.299	1900.982	Santa Eduwiges	Santa Eduwiges	Underground
14484-485	10669.42	9486.045	1900.907	Santa Eduwiges	Santa Eduwiges	Underground
14486-487	10669.93	9488.071	1901.015	Santa Eduwiges	Santa Eduwiges	Underground
14488-489	10670.51	9490.095	1901.135	Santa Eduwiges	Santa Eduwiges	Underground
14490-491	10669.56	9492.1	1901.278	Santa Eduwiges	Santa Eduwiges	Underground
14639-641	10669.32	9494.899	1899.918	Santa Eduwiges	Santa Eduwiges	Underground
14675-677	10669.21	9496.486	1899.923	Santa Eduwiges	Santa Eduwiges	Underground
14679-681	10610.9	9404.745	1911.205	Santa Eduwiges	Santa Eduwiges	Underground
14682-684	10612.74	9405.006	1911.01	Santa Eduwiges	Santa Eduwiges	Underground
14685-687	10614.73	9405.046	1911.143	Santa Eduwiges	Santa Eduwiges	Underground
14688-690	10616.22	9405.483	1911.24	Santa Eduwiges	Santa Eduwiges	Underground
14691-691	10616.99	9405.881	1911.3	Santa Eduwiges	Santa Eduwiges	Underground
14701-703	10669.8	9498.427	1899.913	Santa Eduwiges	Santa Eduwiges	Underground
14996-997	10623.31	9428.205	1900.639	Santa Eduwiges	Santa Eduwiges	Underground
14998-999	10625.59	9429.397	1900.861	Santa Eduwiges	Santa Eduwiges	Underground
15000-001	10628.51	9428.58	1900.911	Santa Eduwiges	Santa Eduwiges	Underground
15002-003	10630.18	9429.698	1900.909	Santa Eduwiges	Santa Eduwiges	Underground
15004-005	10631.96	9430.966	1900.867	Santa Eduwiges	Santa Eduwiges	Underground
15006-007	10632.78	9433.157	1900.767	Santa Eduwiges	Santa Eduwiges	Underground
15008-009	10633.22	9433.952	1900.764	Santa Eduwiges	Santa Eduwiges	Underground
15010-011	10633.46	9436.806	1900.916	Santa Eduwiges	Santa Eduwiges	Underground
15012-013	10637.51	9439.03	1900.834	Santa Eduwiges	Santa Eduwiges	Underground
15014-015	10635.82	9438.39	1900.935	Santa Eduwiges	Santa Eduwiges	Underground
15016-017	10638.98	9439.971	1900.723	Santa Eduwiges	Santa Eduwiges	Underground
15018-019	10640.64	9440.565	1900.71	Santa Eduwiges	Santa Eduwiges	Underground
15100-101	10626.32	9429.796	1900.877	Santa Eduwiges	Santa Eduwiges	Underground
15102-103	10627.87	9430.919	1900.873	Santa Eduwiges	Santa Eduwiges	Underground
15104-105	10629.65	9431.997	1900.849	Santa Eduwiges	Santa Eduwiges	Underground
15106-107	10630.68	9433.731	1900.767	Santa Eduwiges	Santa Eduwiges	Underground
15108-109	10632.19	9435.538	1900.724	Santa Eduwiges	Santa Eduwiges	Underground
15110-111	10633.67	9436.988	1900.829	Santa Eduwiges	Santa Eduwiges	Underground
15112-113	10634.87	9438.843	1900.837	Santa Eduwiges	Santa Eduwiges	Underground
15114-115	10636.48	9439.419	1900.846	Santa Eduwiges	Santa Eduwiges	Underground
15116-117	10637.83	9440.687	1900.74	Santa Eduwiges	Santa Eduwiges	Underground
15118-119	10639.61	9441.871	1900.605	Santa Eduwiges	Santa Eduwiges	Underground
15150-151	10642.26	9419.571	1900.899	Santa Eduwiges	Santa Eduwiges	Underground
15152-153	10642.71	9421.987	1900.782	Santa Eduwiges	Santa Eduwiges	Underground
15154-155	10642.93	9423.825	1900.716	Santa Eduwiges	Santa Eduwiges	Underground
15156-157	10643	9425.84	1900.651	Santa Eduwiges	Santa Eduwiges	Underground
15158-159	10642.91	9427.997	1900.782	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
15160-161	10643.04	9429.934	1900.655	Santa Eduwiges	Santa Eduwiges	Underground
15162-163	10643.29	9431.965	1900.549	Santa Eduwiges	Santa Eduwiges	Underground
15164-165	10643.89	9433.791	1900.453	Santa Eduwiges	Santa Eduwiges	Underground
15166-167	10644.9	9435.479	1900.483	Santa Eduwiges	Santa Eduwiges	Underground
15361-362	10642.2	9442.408	1900.703	Santa Eduwiges	Santa Eduwiges	Underground
15363-364	10641.22	9442.13	1900.707	Santa Eduwiges	Santa Eduwiges	Underground
15365-366	10639.12	9441.179	1900.659	Santa Eduwiges	Santa Eduwiges	Underground
15367-368	10636.96	9441.187	1900.76	Santa Eduwiges	Santa Eduwiges	Underground
15418-418	10590.72	9406.377	1899.962	Santa Eduwiges	Santa Eduwiges	Underground
15419-419	10593.07	9408.217	1900.447	Santa Eduwiges	Santa Eduwiges	Underground
15420-420	10595.01	9410.325	1901.073	Santa Eduwiges	Santa Eduwiges	Underground
15421-421	10597.01	9412.737	1900.873	Santa Eduwiges	Santa Eduwiges	Underground
15422-422	10599.07	9415.105	1900.282	Santa Eduwiges	Santa Eduwiges	Underground
15455-457	10597.86	9401.415	1910.783	Santa Eduwiges	Santa Eduwiges	Underground
15458-460	10595.52	9400.1	1910.85	Santa Eduwiges	Santa Eduwiges	Underground
15461-463	10592.56	9400.023	1910.899	Santa Eduwiges	Santa Eduwiges	Underground
15464-466	10589.72	9399.066	1910.509	Santa Eduwiges	Santa Eduwiges	Underground
15467-469	10586.33	9398.054	1910.32	Santa Eduwiges	Santa Eduwiges	Underground
15470-472	10584.42	9397.233	1907.594	Santa Eduwiges	Santa Eduwiges	Underground
15473-475	10600.33	9401.902	1910.766	Santa Eduwiges	Santa Eduwiges	Underground
15477-477	10641.65	9417.133	1908.973	Santa Eduwiges	Santa Eduwiges	Underground
15478-478	10640.6	9414.541	1909.534	Santa Eduwiges	Santa Eduwiges	Underground
15479-479	10638.3	9413.096	1909.45	Santa Eduwiges	Santa Eduwiges	Underground
15480-480	10636.03	9411.646	1909.42	Santa Eduwiges	Santa Eduwiges	Underground
15481-481	10632.96	9410.353	1910.02	Santa Eduwiges	Santa Eduwiges	Underground
15482-482	10630.31	9409.065	1909.697	Santa Eduwiges	Santa Eduwiges	Underground
15483-483	10627.49	9408.236	1909.122	Santa Eduwiges	Santa Eduwiges	Underground
15484-484	10624.84	9407.414	1909.442	Santa Eduwiges	Santa Eduwiges	Underground
15485-485	10622.33	9406.677	1909.723	Santa Eduwiges	Santa Eduwiges	Underground
15486-486	10619.01	9405.763	1910.28	Santa Eduwiges	Santa Eduwiges	Underground
15487-487	10615.48	9404.86	1911.183	Santa Eduwiges	Santa Eduwiges	Underground
15488-488	10612.35	9404.644	1910.971	Santa Eduwiges	Santa Eduwiges	Underground
15489-489	10609.28	9404.512	1911.195	Santa Eduwiges	Santa Eduwiges	Underground
15490-490	10606.23	9404.731	1910.893	Santa Eduwiges	Santa Eduwiges	Underground
15750-751	10635.48	9440.776	1900.839	Santa Eduwiges	Santa Eduwiges	Underground
15752-753	10633.19	9439.005	1900.952	Santa Eduwiges	Santa Eduwiges	Underground
15754-755	10631.6	9435.602	1900.771	Santa Eduwiges	Santa Eduwiges	Underground
15756-757	10630.14	9431.212	1900.872	Santa Eduwiges	Santa Eduwiges	Underground
15758-759	10628.6	9430.753	1900.791	Santa Eduwiges	Santa Eduwiges	Underground
15760-761	10626.4	9429.833	1900.934	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
15762-763	10624.08	9428.872	1900.768	Santa Eduwiges	Santa Eduwiges	Underground
16001-003	10670.17	9493.82	1901.292	Santa Eduwiges	Santa Eduwiges	Underground
16004-006	10669.96	9488.216	1901	Santa Eduwiges	Santa Eduwiges	Underground
16007-009	10670.09	9490.449	1901.134	Santa Eduwiges	Santa Eduwiges	Underground
16010-012	10669.74	9494.791	1901.307	Santa Eduwiges	Santa Eduwiges	Underground
16019-021	10670.02	9496.78	1901.377	Santa Eduwiges	Santa Eduwiges	Underground
16022-024	10669.97	9498.816	1901.362	Santa Eduwiges	Santa Eduwiges	Underground
16025-027	10669.86	9501	1901.401	Santa Eduwiges	Santa Eduwiges	Underground
16028-030	10669.92	9498.82	1901.358	Santa Eduwiges	Santa Eduwiges	Underground
16031-031	10695.15	9463.608	1899.675	Santa Eduwiges	Santa Eduwiges	Underground
16034-034	10695.12	9463.735	1899.675	Santa Eduwiges	Santa Eduwiges	Underground
16035-035	10695.47	9463.219	1899.675	Santa Eduwiges	Santa Eduwiges	Underground
16036-036	10694.08	9463.986	1899.675	Santa Eduwiges	Santa Eduwiges	Underground
16037-037	10695.07	9461.747	1899.675	Santa Eduwiges	Santa Eduwiges	Underground
16042-046	10695.14	9464.83	1899.209	Santa Eduwiges	Santa Eduwiges	Underground
16047-049	10646.94	9440.995	1907.711	Santa Eduwiges	Santa Eduwiges	Underground
16056-060	10697.92	9463.512	1899.675	Santa Eduwiges	Santa Eduwiges	Underground
16301-303	10649.43	9442.07	1907.847	Santa Eduwiges	Santa Eduwiges	Underground
16304-306	10697.21	9466.131	1899.702	Santa Eduwiges	Santa Eduwiges	Underground
16345-351	10651.44	9443.124	1908.032	Santa Eduwiges	Santa Eduwiges	Underground
16403-407	10655.13	9449.632	1907.811	Santa Eduwiges	Santa Eduwiges	Underground
16408-410	10603.77	9415.987	1900.603	Santa Eduwiges	Santa Eduwiges	Underground
16411-414	10601.32	9414.051	1900.267	Santa Eduwiges	Santa Eduwiges	Underground
16415-417	10599.42	9411.787	1900.24	Santa Eduwiges	Santa Eduwiges	Underground
16418-420	10596.72	9410.084	1901.148	Santa Eduwiges	Santa Eduwiges	Underground
16421-423	10594.99	9407.837	1901.188	Santa Eduwiges	Santa Eduwiges	Underground
16424-426	10593.17	9405.449	1900.325	Santa Eduwiges	Santa Eduwiges	Underground
16427-429	10590.14	9404.319	1900.692	Santa Eduwiges	Santa Eduwiges	Underground
16434-436	10699.14	9473.742	1899.416	Santa Eduwiges	Santa Eduwiges	Underground
16439-441	10646.24	9441.206	1907.734	Santa Eduwiges	Santa Eduwiges	Underground
16455-457	10699.56	9475.432	1899.312	Santa Eduwiges	Santa Eduwiges	Underground
16470-472	10699.9	9476.964	1899.382	Santa Eduwiges	Santa Eduwiges	Underground
16525-527	10641.83	9432.912	1909.394	Santa Eduwiges	Santa Eduwiges	Underground
16528-530	10642.01	9430.33	1909.76	Santa Eduwiges	Santa Eduwiges	Underground
16531-533	10641.51	9426.93	1910.067	Santa Eduwiges	Santa Eduwiges	Underground
16534-536	10641.23	9423.355	1909.866	Santa Eduwiges	Santa Eduwiges	Underground
16537-539	10641.56	9420.357	1909.499	Santa Eduwiges	Santa Eduwiges	Underground
16540-542	10641.74	9417.335	1908.978	Santa Eduwiges	Santa Eduwiges	Underground
16545-548	10704.46	9483.352	1899.493	Santa Eduwiges	Santa Eduwiges	Underground
16556-560	10707.08	9485.158	1899.609	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
16574-577	10710.18	9487.184	1899.634	Santa Eduwiges	Santa Eduwiges	Underground
16580-584	10713.08	9487.918	1899.63	Santa Eduwiges	Santa Eduwiges	Underground
16589-592	10712.74	9488.264	1899.596	Santa Eduwiges	Santa Eduwiges	Underground
16809-811	10715.04	9490.081	1899.723	Santa Eduwiges	Santa Eduwiges	Underground
16818-820	10721.22	9493.399	1899.362	Santa Eduwiges	Santa Eduwiges	Underground
16826-828	10724.98	9494.015	1899.247	Santa Eduwiges	Santa Eduwiges	Underground
16833-839	10728.57	9495.732	1899.018	Santa Eduwiges	Santa Eduwiges	Underground
16857-859	10729.92	9496.563	1899.119	Santa Eduwiges	Santa Eduwiges	Underground
16860-861	10700.18	9481.241	1899.582	Santa Eduwiges	Santa Eduwiges	Underground
16864-866	10640.16	9417.077	1908.996	Santa Eduwiges	Santa Eduwiges	Underground
16867-869	10640.64	9420.551	1909.5	Santa Eduwiges	Santa Eduwiges	Underground
16870-871	10640.36	9422.889	1909.597	Santa Eduwiges	Santa Eduwiges	Underground
16872-873	10640.32	9425.74	1910.312	Santa Eduwiges	Santa Eduwiges	Underground
16874-876	10641.09	9428.856	1909.851	Santa Eduwiges	Santa Eduwiges	Underground
16877-879	10640.97	9431.802	1909.605	Santa Eduwiges	Santa Eduwiges	Underground
16880-882	10641.44	9435.464	1909.388	Santa Eduwiges	Santa Eduwiges	Underground
16975-977	10603.41	9403.41	1910.865	Santa Eduwiges	Santa Eduwiges	Underground
16978-980	10606.36	9405.075	1910.883	Santa Eduwiges	Santa Eduwiges	Underground
16981-983	10609.62	9405.046	1911.415	Santa Eduwiges	Santa Eduwiges	Underground
16984-986	10612.46	9405.527	1910.951	Santa Eduwiges	Santa Eduwiges	Underground
16987-989	10615.9	9405.229	1911.206	Santa Eduwiges	Santa Eduwiges	Underground
16990-991	10619.02	9405.637	1910.288	Santa Eduwiges	Santa Eduwiges	Underground
16992-993	10621.69	9406.488	1909.805	Santa Eduwiges	Santa Eduwiges	Underground
16994-996	10624.65	9407.454	1909.474	Santa Eduwiges	Santa Eduwiges	Underground
16997-998	10627.59	9408.438	1909.086	Santa Eduwiges	Santa Eduwiges	Underground
16999-000	10630.04	9409.02	1909.629	Santa Eduwiges	Santa Eduwiges	Underground
17132-134	10740.7	9496.981	1899.199	Santa Eduwiges	Santa Eduwiges	Underground
17139-140	10670.02	9487.748	1900.977	Santa Eduwiges	Santa Eduwiges	Underground
17141-142	10670.45	9490.357	1901.141	Santa Eduwiges	Santa Eduwiges	Underground
17143-145	10670.32	9493.794	1901.305	Santa Eduwiges	Santa Eduwiges	Underground
17146-147	10670.36	9496.837	1901.388	Santa Eduwiges	Santa Eduwiges	Underground
17157-160	10741.09	9495.518	1899.199	Santa Eduwiges	Santa Eduwiges	Underground
17173-175	10741.65	9494.055	1899.198	Santa Eduwiges	Santa Eduwiges	Underground
17208-210	10742.29	9492.644	1899.198	Santa Eduwiges	Santa Eduwiges	Underground
17217-222	10744.23	9490.34	1899.197	Santa Eduwiges	Santa Eduwiges	Underground
17237-239	10745.93	9487.825	1899.196	Santa Eduwiges	Santa Eduwiges	Underground
17257-261	10734.77	9501.098	1899.289	Santa Eduwiges	Santa Eduwiges	Underground
17276-279	10746.51	9484.69	1899.196	Santa Eduwiges	Santa Eduwiges	Underground
17337-341	10239.85	9067.426	1999.241	Monaco	Milagro	Underground
17389-394	10244.72	9071.567	1998.636	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
17397-400	10729.02	9507.116	1899.162	Santa Eduwiges	Santa Eduwiges	Underground
17665-666	10625.84	9407.159	1909.366	Santa Eduwiges	Santa Eduwiges	Underground
17667-668	10622.82	9406.543	1909.691	Santa Eduwiges	Santa Eduwiges	Underground
17669-670	10620.05	9405.784	1909.984	Santa Eduwiges	Santa Eduwiges	Underground
17671-672	10617.01	9405.297	1911.286	Santa Eduwiges	Santa Eduwiges	Underground
17673-674	10614.13	9404.987	1911.096	Santa Eduwiges	Santa Eduwiges	Underground
17675-676	10611.16	9404.962	1911.148	Santa Eduwiges	Santa Eduwiges	Underground
17677-678	10608.07	9404.701	1911.061	Santa Eduwiges	Santa Eduwiges	Underground
17683-687	10640.24	9351.334	1891.999	Santa Eduwiges	Santa Eduwiges	Underground
17688-691	10643.07	9351.863	1892.391	Santa Eduwiges	Santa Eduwiges	Underground
17692-694	10645.93	9352.431	1892.02	Santa Eduwiges	Santa Eduwiges	Underground
17695-697	10648.78	9353.57	1891.93	Santa Eduwiges	Santa Eduwiges	Underground
17698-700	10651.68	9354.799	1891.988	Santa Eduwiges	Santa Eduwiges	Underground
17803-807	10727.54	9510.751	1899.186	Santa Eduwiges	Santa Eduwiges	Underground
17812-816	10236.06	9065.648	1998.841	Monaco	Milagro	Underground
17854-856	10654.33	9356.27	1892.144	Santa Eduwiges	Santa Eduwiges	Underground
17857-859	10725.78	9513.26	1899.228	Santa Eduwiges	Santa Eduwiges	Underground
17875-877	10237.26	9072.836	1338.533	Monaco	Milagro	Underground
17878-881	10246.97	9073.821	1999.726	Monaco	Milagro	Underground
17882-886	10494.23	9337.385	1904.805	Santa Eduwiges	Santa Eduwiges	Underground
17891-895	10723.85	9517.863	1899.717	Santa Eduwiges	Santa Eduwiges	Underground
17901-904	10659.93	9358.797	1892.267	Santa Eduwiges	Santa Eduwiges	Underground
17905-908	10662.82	9358.517	1892.299	Santa Eduwiges	Santa Eduwiges	Underground
17909-912	10665.82	9360.13	1892.592	Santa Eduwiges	Santa Eduwiges	Underground
17913-916	10668.76	9361.112	1892.273	Santa Eduwiges	Santa Eduwiges	Underground
17923-929	10494.49	9337.55	1904.812	Santa Eduwiges	Santa Eduwiges	Underground
17930-933	10492.42	9342.56	1904.638	Santa Eduwiges	Santa Eduwiges	Underground
17934-937	10497.14	9341.205	1905.31	Santa Eduwiges	Santa Eduwiges	Underground
17940-941	10250.75	9076.704	1999.833	Monaco	Milagro	Underground
17942-944	10250.18	9076.61	1999.84	Monaco	Milagro	Underground
17945-948	10489.66	9338.844	1904.531	Santa Eduwiges	Santa Eduwiges	Underground
17955-957	10486.63	9339.516	1904.319	Santa Eduwiges	Santa Eduwiges	Underground
17961-963	10254.42	9082.337	2012.765	Monaco	Milagro	Underground
17964-965	10251.63	9078.104	1999.149	Monaco	Milagro	Underground
17966-969	10252.84	9080.271	2007.108	Monaco	Milagro	Underground
17972-974	10722.32	9520.938	1900.004	Santa Eduwiges	Santa Eduwiges	Underground
17980-983	10256.8	9085.341	1980.815	Monaco	Milagro	Underground
17984-988	10259.41	9087.696	2007.975	Monaco	Milagro	Underground
17989-990	10260.28	9083.198	2028.488	Monaco	Milagro	Underground
17996-000	10261.41	9088.561	1998.829	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
18009-011	10488.08	9339.813	1904.407	Santa Eduwiges	Santa Eduwiges	Underground
18012-015	10485.77	9342.714	1903.503	Santa Eduwiges	Santa Eduwiges	Underground
18018-019	10717.39	9529.692	1901.161	Santa Eduwiges	Santa Eduwiges	Underground
18032-035	10485.73	9339.23	1904.266	Santa Eduwiges	Santa Eduwiges	Underground
18036-042	10489.11	9342.687	1904.444	Santa Eduwiges	Santa Eduwiges	Underground
18043-044	10263.83	9090.163	1998.266	Monaco	Milagro	Underground
18045-047	10265.41	9091.248	1998.265	Monaco	Milagro	Underground
18048-052	10267.51	9088.708	1998.087	Monaco	Milagro	Underground
18053-056	10266.65	9092.36	1998.211	Monaco	Milagro	Underground
18087-090	10268.08	9093.692	1998.355	Monaco	Milagro	Underground
18105-107	10272.95	9097.092	1998.394	Monaco	Milagro	Underground
18108-110	10273.74	9094.168	1999.02	Monaco	Milagro	Underground
18127-133	10274.19	9097.587	1998.624	Monaco	Milagro	Underground
18134-140	10274.42	9097.355	1998.627	Monaco	Milagro	Underground
18168-170	10277.3	9099.698	1998.762	Monaco	Milagro	Underground
18171-173	10277.2	9100.089	1998.721	Monaco	Milagro	Underground
18183-186	10279.07	9101.637	1999.421	Monaco	Milagro	Underground
18200-368	10283.94	9107.762	1998.665	Monaco	Milagro	Underground
18308-313	10281.1	9104.58	1999.455	Monaco	Milagro	Underground
18323-326	10282.04	9105.534	1999.469	Monaco	Milagro	Underground
18341-345	10282.18	9105.208	1999.468	Monaco	Milagro	Underground
18391-393	10286.39	9109.436	1998.727	Monaco	Milagro	Underground
18411-413	10288.22	9111.547	1998.726	Monaco	Milagro	Underground
18443-18446	10289.41	9115.765	1998.693	Monaco	Milagro	Underground
18447-456	10250.81	9076.387	1997.62	Monaco	Milagro	Underground
18457-464	10258	9086.373	2005.669	Monaco	Milagro	Underground
18465-471	10255.4	9076.903	1998.155	Monaco	Milagro	Underground
18472-478	10258.43	9082.466	1997.556	Monaco	Milagro	Underground
18609-613	10257.99	9079.013	1998.799	Monaco	Milagro	Underground
18614-617	10260.99	9082.215	1998.937	Monaco	Milagro	Underground
18618-621	10265.24	9079.533	1998.768	Monaco	Milagro	Underground
18638-645	10601.81	9342.326	1878.117	Santa Eduwiges	Santa Eduwiges	Underground
18656-662	10596.4	9340.815	1877.778	Santa Eduwiges	Santa Eduwiges	Underground
18671-676	10594.97	9340.514	1877.761	Santa Eduwiges	Santa Eduwiges	Underground
18691-698	10602.94	9341.492	1878.236	Santa Eduwiges	Santa Eduwiges	Underground
18783-788	10594.31	9341.508	1877.585	Santa Eduwiges	Santa Eduwiges	Underground
18789-791	10336.54	9208.479	1976.653	Monaco	Milagro	Underground
18792-795	10338.99	9212.316	1976.611	Monaco	Milagro	Underground
18833-836	10335.71	9206.813	1976.702	Monaco	Milagro	Underground
18842-844	10604.2	9340.477	1878.353	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
18845-848	10340.03	9213.176	1976.979	Monaco	Milagro	Underground
18916-920	10340.65	9214.366	1976.89	Monaco	Milagro	Underground
18967-970	10342.74	9215.886	1977.442	Monaco	Milagro	Underground
18996-000	10343.95	9217.186	1977.341	Monaco	Milagro	Underground
19006-009	10334.13	9205.739	1976.585	Monaco	Milagro	Underground
19011-015	10636.15	9349.437	1889.914	Santa Eduwiges	Santa Eduwiges	Underground
19016-018	10653.87	9359.557	1892.105	Santa Eduwiges	Santa Eduwiges	Underground
19019-021	10650.95	9358.455	1892.04	Santa Eduwiges	Santa Eduwiges	Underground
19022-024	10648.14	9357.471	1891.999	Santa Eduwiges	Santa Eduwiges	Underground
19025-027	10645.27	9356.614	1892.033	Santa Eduwiges	Santa Eduwiges	Underground
19028-030	10642.29	9355.413	1892.384	Santa Eduwiges	Santa Eduwiges	Underground
19031-033	10639.26	9354.972	1892.005	Santa Eduwiges	Santa Eduwiges	Underground
19034-037	10333.05	9203.568	1976.692	Monaco	Milagro	Underground
19048-054	10596.4	9392.835	1881.831	Santa Eduwiges	Santa Eduwiges	Underground
19055-056	10599.43	9395.233	1899.323	Santa Eduwiges	Santa Eduwiges	Underground
19063-065	10592.16	9394.344	1881.971	Santa Eduwiges	Santa Eduwiges	Underground
19066-068	10602.66	9399.219	1882.408	Santa Eduwiges	Santa Eduwiges	Underground
19074-078	10346.72	9219.176	1977.158	Monaco	Milagro	Underground
19078-081	10602.97	9402.199	1881.928	Santa Eduwiges	Santa Eduwiges	Underground
19082-084	10589.48	9395.761	1881.739	Santa Eduwiges	Santa Eduwiges	Underground
19085-088	10589.19	9392.562	1882.106	Santa Eduwiges	Santa Eduwiges	Underground
19091-093	10333.65	9199.273	1977.143	Monaco	Milagro	Underground
19096-100	10349.13	9220.781	1976.763	Monaco	Milagro	Underground
19203-207	10603.63	9402.726	1882.274	Santa Eduwiges	Santa Eduwiges	Underground
19208-210	10586.4	9393.921	1882.003	Santa Eduwiges	Santa Eduwiges	Underground
19222-255	10331.31	9197.343	1977.216	Monaco	Milagro	Underground
19226-231	10582.47	9393.474	1881.861	Santa Eduwiges	Santa Eduwiges	Underground
19232-234	10609.22	9401.52	1882.264	Santa Eduwiges	Santa Eduwiges	Underground
19242-247	10577.36	9392.3	1881.719	Santa Eduwiges	Santa Eduwiges	Underground
19248-250	10581.51	9393.282	1881.862	Santa Eduwiges	Santa Eduwiges	Underground
19251-253	10605.71	9410.373	1881.784	Santa Eduwiges	Santa Eduwiges	Underground
19254-256	10613.08	9401.707	1882.301	Santa Eduwiges	Santa Eduwiges	Underground
19265-267	10607.53	9412.012	1882.839	Santa Eduwiges	Santa Eduwiges	Underground
19268-271	10614.76	9402.702	1882.128	Santa Eduwiges	Santa Eduwiges	Underground
19274-278	10329.66	9195.889	1976.737	Monaco	Milagro	Underground
19281-284	10327.85	9193.284	1976.212	Monaco	Milagro	Underground
19285-287	10616.34	9402.906	1882.163	Santa Eduwiges	Santa Eduwiges	Underground
19288-290	10608.31	9413.921	1885.969	Santa Eduwiges	Santa Eduwiges	Underground
19291-291	10608.39	9413.511	1883.589	Santa Eduwiges	Santa Eduwiges	Underground
19296-299	10326.66	9190.356	1976.659	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
19306-309	10609.59	9414.477	1886.112	Santa Eduwiges	Santa Eduwiges	Underground
19315-317	10618.44	9403.128	1882.242	Santa Eduwiges	Santa Eduwiges	Underground
19318-320	10610.18	9415.675	1878.354	Santa Eduwiges	Santa Eduwiges	Underground
19321-322	10594.29	9397.536	1883.846	Santa Eduwiges	Santa Eduwiges	Underground
19323-324	10591.51	9396.438	1884.061	Santa Eduwiges	Santa Eduwiges	Underground
19325-326	10588.89	9394.958	1883.971	Santa Eduwiges	Santa Eduwiges	Underground
19327-328	10586.19	9393.445	1883.81	Santa Eduwiges	Santa Eduwiges	Underground
19329-330	10583.38	9392.41	1882.647	Santa Eduwiges	Santa Eduwiges	Underground
19333-335	10326	9188.124	1976.545	Monaco	Milagro	Underground
19338-339	10257.1	9085.685	2006.931	Monaco	Milagro	Underground
19340-341	10259.72	9087.174	2004.697	Monaco	Milagro	Underground
19342-343	10262.27	9088.66	2004.182	Monaco	Milagro	Underground
19344-345	10264.69	9090.272	2001.052	Monaco	Milagro	Underground
19346-347	10267.06	9092.217	2001.606	Monaco	Milagro	Underground
19348-349	10269.62	9093.883	2001.406	Monaco	Milagro	Underground
19350-351	10272.25	9095.474	2000.824	Monaco	Milagro	Underground
19352-353	10274.59	9097.397	1999.916	Monaco	Milagro	Underground
19364-365	10612	9416.317	1884.293	Santa Eduwiges	Santa Eduwiges	Underground
19366-368	10325.18	9186.149	1976.64	Monaco	Milagro	Underground
19369-372	10323.8	9184.024	1976.889	Monaco	Milagro	Underground
19376-378	10612.51	9418.91	1876.328	Santa Eduwiges	Santa Eduwiges	Underground
19381-384	10322.27	9181.761	1976.674	Monaco	Milagro	Underground
19387-390	10613.97	9420.684	1882.104	Santa Eduwiges	Santa Eduwiges	Underground
19399-503	10618.22	9423.651	1904.759	Santa Eduwiges	Santa Eduwiges	Underground
19458-463	10316.18	9169.948	1976.999	Monaco	Milagro	Underground
19467-470	10633.77	9437.881	1882.073	Santa Eduwiges	Santa Eduwiges	Underground
19471-473	10631.84	9405.292	1910.363	Santa Eduwiges	Santa Eduwiges	Underground
19474-476	10591.97	9421.539	1881.831	Santa Eduwiges	Santa Eduwiges	Underground
19479-486	10318.92	9165.229	1976.619	Monaco	Milagro	Underground
19487-490	10634.4	9438.445	1900.98	Santa Eduwiges	Santa Eduwiges	Underground
19491-494	10635.55	9403.891	1868.967	Santa Eduwiges	Santa Eduwiges	Underground
19497-498	10253.97	9082.891	2014.876	Monaco	Milagro	Underground
19499-500	10255.99	9084.402	2005.135	Monaco	Milagro	Underground
19501-503	10623.08	9427.218	1882.153	Santa Eduwiges	Santa Eduwiges	Underground
19509-513	10320.89	9179.522	1976.651	Monaco	Milagro	Underground
19514-518	10319.74	9177.243	1976.569	Monaco	Milagro	Underground
19519-522	10620.46	9425.396	1864.561	Santa Eduwiges	Santa Eduwiges	Underground
19527-528	10604.07	9403.202	1885.653	Santa Eduwiges	Santa Eduwiges	Underground
19529-530	10604.59	9406.29	1886.657	Santa Eduwiges	Santa Eduwiges	Underground
19531-532	10605.52	9409.496	1887.024	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
19533-534	10607.72	9411.873	1887.132	Santa Eduwiges	Santa Eduwiges	Underground
19535-536	10609.92	9414.105	1887.45	Santa Eduwiges	Santa Eduwiges	Underground
19539-543	10321.49	9173.365	1977.047	Monaco	Milagro	Underground
19544-546	10624.04	9428.005	1882.261	Santa Eduwiges	Santa Eduwiges	Underground
19551-554	10625.21	9428.597	1882.337	Santa Eduwiges	Santa Eduwiges	Underground
19560-564	10317.99	9173.471	1976.697	Monaco	Milagro	Underground
19565-567	10630.21	9429.303	1882.593	Santa Eduwiges	Santa Eduwiges	Underground
19570-574	10320.14	9170.63	1976.786	Monaco	Milagro	Underground
19601-602	10258.43	9086.188	2006.456	Monaco	Milagro	Underground
19603-604	10260.73	9087.559	2005.17	Monaco	Milagro	Underground
19605-606	10262.59	9088.727	2004.465	Monaco	Milagro	Underground
19606-607	10266.8	9091.601	2001.755	Monaco	Milagro	Underground
19607-608	10264.54	9090.031	2001.156	Monaco	Milagro	Underground
19611-612	10268.81	9092.971	2001.292	Monaco	Milagro	Underground
19613-613	10270.4	9094.302	2001.43	Monaco	Milagro	Underground
19614-614	10271.93	9095.477	2000.871	Monaco	Milagro	Underground
19643-645	10575.34	9392.029	1881.485	Santa Eduwiges	Santa Eduwiges	Underground
19647-650	10634.74	9435.302	1883.742	Santa Eduwiges	Santa Eduwiges	Underground
19651-656	10635.44	9407.643	1882.124	Santa Eduwiges	Santa Eduwiges	Underground
19657-661	10638.29	9410.134	1882.031	Santa Eduwiges	Santa Eduwiges	Underground
19666-667	10593.01	9410.646	1882.515	Santa Eduwiges	Santa Eduwiges	Underground
19672-674	10598.65	9416.382	1881.447	Santa Eduwiges	Santa Eduwiges	Underground
19679-679	10582.27	9404.641	1881.531	Santa Eduwiges	Santa Eduwiges	Underground
19680-680	10584.03	9407.4	1881.612	Santa Eduwiges	Santa Eduwiges	Underground
19681-682	10640.04	9410.906	1884.259	Santa Eduwiges	Santa Eduwiges	Underground
19860-861	10683.42	9458.223	1901.295	Santa Eduwiges	Santa Eduwiges	Underground
19862-863	10686	9459.621	1901.515	Santa Eduwiges	Santa Eduwiges	Underground
19864-865	10688.84	9460.72	1900.998	Santa Eduwiges	Santa Eduwiges	Underground
19866-867	10691.55	9462.066	1901.029	Santa Eduwiges	Santa Eduwiges	Underground
19868-869	10694.17	9463.573	1900.906	Santa Eduwiges	Santa Eduwiges	Underground
19870-871	10696.57	9465.381	1900.843	Santa Eduwiges	Santa Eduwiges	Underground
19886-887	10603.9	9402.976	1885.082	Santa Eduwiges	Santa Eduwiges	Underground
19888-889	10604.37	9404.934	1886.54	Santa Eduwiges	Santa Eduwiges	Underground
19890-891	10604.83	9407.394	1886.919	Santa Eduwiges	Santa Eduwiges	Underground
19892-893	10605.6	9409.707	1887.034	Santa Eduwiges	Santa Eduwiges	Underground
19894-895	10607.54	9411.998	1887.143	Santa Eduwiges	Santa Eduwiges	Underground
19896-897	10609.26	9413.872	1887.398	Santa Eduwiges	Santa Eduwiges	Underground
19898-899	10610.96	9415.663	1887.769	Santa Eduwiges	Santa Eduwiges	Underground
19900-900	10612.42	9417.8	1888.163	Santa Eduwiges	Santa Eduwiges	Underground
19913-914	10591.47	9407.169	1923.556	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
19915-916	10592.83	9408.727	1922.218	Santa Eduwiges	Santa Eduwiges	Underground
19917-918	10594.12	9410.072	1932.64	Santa Eduwiges	Santa Eduwiges	Underground
19919-920	10595.55	9411.377	1926.367	Santa Eduwiges	Santa Eduwiges	Underground
19921-922	10596.81	9413.099	1922.746	Santa Eduwiges	Santa Eduwiges	Underground
19923-924	10598.33	9414.226	1923.866	Santa Eduwiges	Santa Eduwiges	Underground
19925-929	10641.31	9413.144	1882.343	Santa Eduwiges	Santa Eduwiges	Underground
19930-934	10579.89	9404.381	1881.236	Santa Eduwiges	Santa Eduwiges	Underground
19935-937	10580.96	9407.963	1881.403	Santa Eduwiges	Santa Eduwiges	Underground
19938-940	10600.67	9416.419	1881.616	Santa Eduwiges	Santa Eduwiges	Underground
19952-955	10642.39	9414.59	1882.332	Santa Eduwiges	Santa Eduwiges	Underground
19956-957	10604.58	9403.928	1885.914	Santa Eduwiges	Santa Eduwiges	Underground
19958-959	10604.48	9405.644	1886.496	Santa Eduwiges	Santa Eduwiges	Underground
19960-961	10605.11	9408.309	1887.046	Santa Eduwiges	Santa Eduwiges	Underground
19962-963	10606.28	9410.821	1886.99	Santa Eduwiges	Santa Eduwiges	Underground
19964-965	10608	9412.49	1887.201	Santa Eduwiges	Santa Eduwiges	Underground
19966-967	10594.09	9424.974	1883.235	Santa Eduwiges	Santa Eduwiges	Underground
19968-969	10616.73	9422.022	1890.385	Santa Eduwiges	Santa Eduwiges	Underground
19970-971	10618.55	9423.546	1891.042	Santa Eduwiges	Santa Eduwiges	Underground
19972-973	10620.38	9424.878	1891.667	Santa Eduwiges	Santa Eduwiges	Underground
199749-975	10622.21	9426.512	1887.239	Santa Eduwiges	Santa Eduwiges	Underground
19976-976	10624.32	9427.427	1883.493	Santa Eduwiges	Santa Eduwiges	Underground
19986-987	10592.89	9396.976	1883.919	Santa Eduwiges	Santa Eduwiges	Underground
19988-989	10590.45	9395.757	1884.026	Santa Eduwiges	Santa Eduwiges	Underground
19990-991	10587.71	9394.409	1883.908	Santa Eduwiges	Santa Eduwiges	Underground
19992-993	10585.08	9393.059	1883.686	Santa Eduwiges	Santa Eduwiges	Underground
19994-995	10582.24	9391.901	1881.853	Santa Eduwiges	Santa Eduwiges	Underground
19996-997	10580.18	9391.666	1880.522	Santa Eduwiges	Santa Eduwiges	Underground
19998-999	10678.22	9455.236	1900.603	Santa Eduwiges	Santa Eduwiges	Underground
20000-000	10680.77	9456.631	1900.947	Santa Eduwiges	Santa Eduwiges	Underground
20000-859	10680.92	9456.371	1900.946	Santa Eduwiges	Santa Eduwiges	Underground
20001-001	10614.26	9420.074	1888.927	Santa Eduwiges	Santa Eduwiges	Underground
20008-010	10645.19	9430.965	1884.942	Santa Eduwiges	Santa Eduwiges	Underground
20011-013	10644.81	9429.029	1886.678	Santa Eduwiges	Santa Eduwiges	Underground
20014-016	10644.84	9424.879	1884.186	Santa Eduwiges	Santa Eduwiges	Underground
20021-023	10628.66	9432.153	1881.264	Santa Eduwiges	Santa Eduwiges	Underground
20024-025	10630.63	9432.994	1881.083	Santa Eduwiges	Santa Eduwiges	Underground
20026-027	10632.05	9434.055	1880.923	Santa Eduwiges	Santa Eduwiges	Underground
20028-029	10633.67	9434.592	1880.746	Santa Eduwiges	Santa Eduwiges	Underground
20030-033	10648.59	9436.705	1882.042	Santa Eduwiges	Santa Eduwiges	Underground
20034-036	10698.13	9467.259	1901.209	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20037-039	10698.94	9470.17	1901.228	Santa Eduwiges	Santa Eduwiges	Underground
20040-042	10699.37	9473.186	1901.151	Santa Eduwiges	Santa Eduwiges	Underground
20043-044	10700	9476.136	1901.618	Santa Eduwiges	Santa Eduwiges	Underground
20045-046	10700.6	9479.188	1900.807	Santa Eduwiges	Santa Eduwiges	Underground
20047-048	10643.73	9437.295	1925.889	Santa Eduwiges	Santa Eduwiges	Underground
20049-050	10645.26	9438.612	1909.848	Santa Eduwiges	Santa Eduwiges	Underground
20051-053	10647.47	9440.214	1926.22	Santa Eduwiges	Santa Eduwiges	Underground
20064-068	10319.46	9168.128	1976.842	Monaco	Milagro	Underground
20071-072	10640.17	9435.128	1929.586	Santa Eduwiges	Santa Eduwiges	Underground
20073-074	10638.4	9434.287	1914.535	Santa Eduwiges	Santa Eduwiges	Underground
20075-076	10636.6	9433.523	1921.367	Santa Eduwiges	Santa Eduwiges	Underground
20077-078	10628.46	9430.223	1925.889	Santa Eduwiges	Santa Eduwiges	Underground
20079-080	10626.74	9429.084	1931.824	Santa Eduwiges	Santa Eduwiges	Underground
20081-082	10624.91	9428.162	1927.288	Santa Eduwiges	Santa Eduwiges	Underground
20083-084	10623.25	9427.293	1930.936	Santa Eduwiges	Santa Eduwiges	Underground
20085-086	10621.51	9426.402	1893.231	Santa Eduwiges	Santa Eduwiges	Underground
20087-087	10608.78	9420.874	1921.829	Santa Eduwiges	Santa Eduwiges	Underground
20088-089	10606.82	9420.423	1925.666	Santa Eduwiges	Santa Eduwiges	Underground
20090-091	10605.06	9419.458	1924.679	Santa Eduwiges	Santa Eduwiges	Underground
20092-096	10650.8	9439.285	1881.842	Santa Eduwiges	Santa Eduwiges	Underground
20097-100	10310.57	9162.686	1976.592	Monaco	Milagro	Underground
20348-349	10698.71	9467.867	1901.299	Santa Eduwiges	Santa Eduwiges	Underground
20350-350	10699.15	9471.141	1901.24	Santa Eduwiges	Santa Eduwiges	Underground
20351-351	10699.5	9473.008	1901.179	Santa Eduwiges	Santa Eduwiges	Underground
20352-352	10699.76	9475.235	1901.154	Santa Eduwiges	Santa Eduwiges	Underground
20353-355	10700.13	9476.969	1901.414	Santa Eduwiges	Santa Eduwiges	Underground
20356-357	10700.65	9479.073	1900.792	Santa Eduwiges	Santa Eduwiges	Underground
20358-359	10701.24	9480.796	1900.738	Santa Eduwiges	Santa Eduwiges	Underground
20360-361	10634.7	9433.873	1925.037	Santa Eduwiges	Santa Eduwiges	Underground
20362-363	10637.19	9435.16	1939.262	Santa Eduwiges	Santa Eduwiges	Underground
20364-365	10639.1	9436.256	1917.696	Santa Eduwiges	Santa Eduwiges	Underground
20366-367	10641.13	9437.332	1912.194	Santa Eduwiges	Santa Eduwiges	Underground
20368-368	10642.81	9438.297	1920.29	Santa Eduwiges	Santa Eduwiges	Underground
20369-369	10644.4	9439.471	1918.571	Santa Eduwiges	Santa Eduwiges	Underground
20370-370	10645.82	9440.565	1925.105	Santa Eduwiges	Santa Eduwiges	Underground
20377-378	10601.77	9428.423	1881.58	Santa Eduwiges	Santa Eduwiges	Underground
20379-380	10266.27	9091.983	2001.433	Monaco	Milagro	Underground
20381-383	10263.93	9090.345	2001.236	Monaco	Milagro	Underground
20384-385	10262.42	9089.259	2006.114	Monaco	Milagro	Underground
20386-387	10260.86	9088.167	2005.906	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20388-389	10258.96	9087.104	2010.05	Monaco	Milagro	Underground
20390-391	10701.96	9481.749	1900.76	Santa Eduwiges	Santa Eduwiges	Underground
20392-393	10703.74	9482.823	1900.878	Santa Eduwiges	Santa Eduwiges	Underground
20394-396	10705.73	9483.695	1901.12	Santa Eduwiges	Santa Eduwiges	Underground
20397-399	10707.72	9484.809	1901.154	Santa Eduwiges	Santa Eduwiges	Underground
20400-414	10709.23	9485.738	1900.955	Santa Eduwiges	Santa Eduwiges	Underground
20404-404	10738.31	9495.373	1900.479	Santa Eduwiges	Santa Eduwiges	Underground
20405-405	10739.56	9492.611	1900.514	Santa Eduwiges	Santa Eduwiges	Underground
20406-406	10741.47	9490.256	1900.374	Santa Eduwiges	Santa Eduwiges	Underground
20407-407	10743.67	9487.897	1900.589	Santa Eduwiges	Santa Eduwiges	Underground
20408-411	10691.98	9230.49	1918.474	Santa Eduwiges	Santa Eduwiges	Underground
20415-419	10661.83	9441.612	1882.235	Santa Eduwiges	Santa Eduwiges	Underground
20422-426	10639.66	9255.196	1922.482	Santa Eduwiges	Santa Eduwiges	Underground
20427-430	10642.22	9254.995	1920.276	Santa Eduwiges	Santa Eduwiges	Underground
20431-434	10660.81	9445.071	1882.031	Santa Eduwiges	Santa Eduwiges	Underground
20439-445	10602.9	9426.053	1880.964	Santa Eduwiges	Santa Eduwiges	Underground
20450-454	10306.73	9155.328	1976.948	Monaco	Milagro	Underground
20459-459	10250.69	9077.366	2022.749	Monaco	Milagro	Underground
20460-460	10251.04	9079.373	2022.571	Monaco	Milagro	Underground
20461-461	10251.35	9081.289	2022.466	Monaco	Milagro	Underground
20462-462	10252.22	9082.795	2022.304	Monaco	Milagro	Underground
20463-463	10252.23	9083.655	2022.138	Monaco	Milagro	Underground
20464-466	10311.82	9157.697	1977.485	Monaco	Milagro	Underground
20802-805	10694.03	9227.279	1920.806	Santa Eduwiges	Santa Eduwiges	Underground
20814-816	10334.18	9204.256	1979.433	Monaco	Milagro	Underground
20817-819	10333.46	9202.185	1979.105	Monaco	Milagro	Underground
20820-822	10332.92	9200.071	1979.243	Monaco	Milagro	Underground
20823-825	10331.88	9198.29	1978.837	Monaco	Milagro	Underground
20826-828	10330.51	9196.462	1979.082	Monaco	Milagro	Underground
20829-831	10329.35	9194.583	1979.035	Monaco	Milagro	Underground
20832-834	10328.42	9192.601	1978.873	Monaco	Milagro	Underground
20835-837	10326.92	9191	1978.799	Monaco	Milagro	Underground
20838-840	10326.26	9188.979	1978.919	Monaco	Milagro	Underground
20841-843	10325.69	9186.938	1979.336	Monaco	Milagro	Underground
20844-846	10324.49	9185.228	1979.669	Monaco	Milagro	Underground
20847-849	10323.47	9183.53	1979.454	Monaco	Milagro	Underground
20850-854	10322.1	9181.879	1979.406	Monaco	Milagro	Underground
20862-866	10320.98	9179.633	1979.383	Monaco	Milagro	Underground
20867-871	10320.05	9177.902	1979.321	Monaco	Milagro	Underground
20872-876	10318.99	9176.182	1979.334	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20877-880	10303.32	9148.296	1976.94	Monaco	Milagro	Underground
20892-893	10617	9425.667	1922.35	Santa Eduwiges	Santa Eduwiges	Underground
20894-895	10618.85	9426.652	1924.93	Santa Eduwiges	Santa Eduwiges	Underground
20896-896	10621.63	9427.749	1918.198	Santa Eduwiges	Santa Eduwiges	Underground
20897-897	10623.41	9428.674	1924.816	Santa Eduwiges	Santa Eduwiges	Underground
20898-898	10625.54	9429.801	1945.095	Santa Eduwiges	Santa Eduwiges	Underground
21004-004	10607.35	9433.133	1887.756	Santa Eduwiges	Santa Eduwiges	Underground
21004-005	10605.5	9432.303	1875.788	Santa Eduwiges	Santa Eduwiges	Underground
21004-006	10603.76	9431.609	1888.282	Santa Eduwiges	Santa Eduwiges	Underground
21004-007	10601.61	9429.865	1888.167	Santa Eduwiges	Santa Eduwiges	Underground
21008-010	10693.47	9230.049	1920.609	Santa Eduwiges	Santa Eduwiges	Underground
21011-013	10626.55	9430.968	1931.721	Santa Eduwiges	Santa Eduwiges	Underground
21014-015	10628.33	9431.917	1924.005	Santa Eduwiges	Santa Eduwiges	Underground
21016-018	10630.11	9432.867	1919.493	Santa Eduwiges	Santa Eduwiges	Underground
21019-020	10631.9	9433.666	1933.852	Santa Eduwiges	Santa Eduwiges	Underground
21021-022	10634.06	9434.009	1922.346	Santa Eduwiges	Santa Eduwiges	Underground
21023-024	10635.77	9434.972	1925.46	Santa Eduwiges	Santa Eduwiges	Underground
21025-026	10637.59	9435.892	1942.137	Santa Eduwiges	Santa Eduwiges	Underground
21027-028	10639.28	9436.855	1925.729	Santa Eduwiges	Santa Eduwiges	Underground
21029-030	10640.88	9437.834	1914.733	Santa Eduwiges	Santa Eduwiges	Underground
21031-031	10642.61	9439.06	1921.134	Santa Eduwiges	Santa Eduwiges	Underground
21032-033	10644.38	9440.453	1951.525	Santa Eduwiges	Santa Eduwiges	Underground
21040-044	10302.53	9146.289	1976.798	Monaco	Milagro	Underground
21048-052	10695.73	9225.56	1920.606	Santa Eduwiges	Santa Eduwiges	Underground
21059-061	10597.01	9398.002	1896.208	Santa Eduwiges	Santa Eduwiges	Underground
21062-064	10599.48	9401.338	1892.27	Santa Eduwiges	Santa Eduwiges	Underground
21065-067	10601.27	9399.832	1896.288	Santa Eduwiges	Santa Eduwiges	Underground
21073-077	10302.14	9144.522	1976.77	Monaco	Milagro	Underground
21082-084	10595.75	9399.906	1899.451	Santa Eduwiges	Santa Eduwiges	Underground
21094-097	10699.82	9226.072	1920.767	Santa Eduwiges	Santa Eduwiges	Underground
21107-110	10593.27	9399.527	1896.743	Santa Eduwiges	Santa Eduwiges	Underground
21128-129	10637.56	9257.659	1919.966	Santa Eduwiges	Santa Eduwiges	Underground
21130-131	10636.85	9259.637	1918.315	Santa Eduwiges	Santa Eduwiges	Underground
21134-136	10585.98	9397.553	2507.757	Santa Eduwiges	Santa Eduwiges	Underground
21141-142	10629.77	9432.494	1922.123	Santa Eduwiges	Santa Eduwiges	Underground
21143-144	10632.27	9433.674	1931.661	Santa Eduwiges	Santa Eduwiges	Underground
21145-146	10634.63	9434.685	1927.838	Santa Eduwiges	Santa Eduwiges	Underground
21147-149	10636.69	9435.863	1956.293	Santa Eduwiges	Santa Eduwiges	Underground
21150-151	10639.07	9436.647	1911.979	Santa Eduwiges	Santa Eduwiges	Underground
21152-152	10640.37	9437.592	1921.333	Santa Eduwiges	Santa Eduwiges	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
21153-153	10641.65	9438.301	1924.977	Santa Eduwiges	Santa Eduwiges	Underground
21154-155	10643	9439.143	1921.048	Santa Eduwiges	Santa Eduwiges	Underground
21156-161	10301.71	9142.112	1976.735	Monaco	Milagro	Underground
21166-167	10637.83	9256.615	1923.324	Santa Eduwiges	Santa Eduwiges	Underground
21168-170	10637.13	9258.682	1918.21	Santa Eduwiges	Santa Eduwiges	Underground
21171-173	10636.43	9260.544	1918.251	Santa Eduwiges	Santa Eduwiges	Underground
21174-176	10636.09	9261.564	1918.362	Santa Eduwiges	Santa Eduwiges	Underground
21177-180	10583.24	9393.953	1891.212	Santa Eduwiges	Santa Eduwiges	Underground
21186-187	10645.83	9441.177	1927.767	Santa Eduwiges	Santa Eduwiges	Underground
21188-189	10647.2	9441.921	1921.123	Santa Eduwiges	Santa Eduwiges	Underground
21423-425	10576.69	9404.473	1886.035	Santa Eduwiges	Santa Eduwiges	Underground
21426-427	10574.82	9403.636	1885.934	Santa Eduwiges	Santa Eduwiges	Underground
21432-434	10648.81	9442.63	1926.255	Santa Eduwiges	Santa Eduwiges	Underground
21435-437	10650.66	9444.219	1931.55	Santa Eduwiges	Santa Eduwiges	Underground
21438-440	10652.22	9444.804	1920.223	Santa Eduwiges	Santa Eduwiges	Underground
21441-442	10654.29	9445.769	1920.637	Santa Eduwiges	Santa Eduwiges	Underground
21443-445	10579.36	9394.464	1894.731	Santa Eduwiges	Santa Eduwiges	Underground
21446-448	10581.18	9395.241	1895.285	Santa Eduwiges	Santa Eduwiges	Underground
21449-451	10583.05	9395.871	1897.174	Santa Eduwiges	Santa Eduwiges	Underground
21456-460	10300.2	9135.178	1976.304	Monaco	Milagro	Underground
21461-464	10605.69	9413.71	1891.386	Santa Eduwiges	Santa Eduwiges	Underground
21467-468	10600.58	9403.572	1899.387	Santa Eduwiges	Santa Eduwiges	Underground
21469-470	10601.84	9405.099	1893.214	Santa Eduwiges	Santa Eduwiges	Underground
21471-471	10602.81	9407.027	1895.747	Santa Eduwiges	Santa Eduwiges	Underground
21472-472	10604.07	9408.503	1898.874	Santa Eduwiges	Santa Eduwiges	Underground
21473-473	10604.96	9410.194	1896.543	Santa Eduwiges	Santa Eduwiges	Underground
21474-476	10607.15	9415.729	1898.299	Santa Eduwiges	Santa Eduwiges	Underground
21483-486	10298.95	9132.049	1975.885	Monaco	Milagro	Underground
21487-490	10298.15	9130.5	1975.433	Monaco	Milagro	Underground
21491-494	10607.14	9416.072	1890.183	Santa Eduwiges	Santa Eduwiges	Underground
21497-498	10606.84	9414.037	1893.614	Santa Eduwiges	Santa Eduwiges	Underground
21499-499	10605.75	9412.486	1887.523	Santa Eduwiges	Santa Eduwiges	Underground
21500-500	10604.65	9410.829	1956.132	Santa Eduwiges	Santa Eduwiges	Underground
21501-503	10608.78	9417.923	1894.752	Santa Eduwiges	Santa Eduwiges	Underground
21504-507	10298.25	9128.721	1975.491	Monaco	Milagro	Underground
21510-511	10258.98	9089.852	2009.98	Monaco	Milagro	Underground
21512-514	10257.34	9088.712	2009.588	Monaco	Milagro	Underground
21515-517	10255.84	9087.362	2007.814	Monaco	Milagro	Underground
21518-519	10254.2	9086.303	2018.899	Monaco	Milagro	Underground
21520-521	10252.91	9084.624	2007.542	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
21522-526	10610.31	9420.062	1887.279	Santa Eduwiges	Santa Eduwiges	Underground
21529-532	10298.75	9124.541	1975.285	Monaco	Milagro	Underground
21533-536	10614.46	9422.664	1897.144	Santa Eduwiges	Santa Eduwiges	Underground
21541-542	10632.21	9431.349	1928.029	Santa Eduwiges	Santa Eduwiges	Underground
21543-544	10635.82	9432.778	1928.447	Santa Eduwiges	Santa Eduwiges	Underground
21545-546	10638.38	9434.313	1917.214	Santa Eduwiges	Santa Eduwiges	Underground
21547-548	10641.06	9435.794	1921.534	Santa Eduwiges	Santa Eduwiges	Underground
21549-550	10643.54	9437.428	1924.123	Santa Eduwiges	Santa Eduwiges	Underground
21551-553	10646.39	9438.413	1928.696	Santa Eduwiges	Santa Eduwiges	Underground
21558-559	10647.86	9440.286	1923.587	Santa Eduwiges	Santa Eduwiges	Underground
21560-561	10649.54	9441.417	1925.494	Santa Eduwiges	Santa Eduwiges	Underground
21562-563	10650.99	9442.889	1925.166	Santa Eduwiges	Santa Eduwiges	Underground
21564-565	10652.27	9444.263	1920.565	Santa Eduwiges	Santa Eduwiges	Underground
21566-567	10653.97	9445.605	1924.839	Santa Eduwiges	Santa Eduwiges	Underground
21572-573	10655.46	9446.992	1920.733	Santa Eduwiges	Santa Eduwiges	Underground
21574-575	10657.05	9448.236	1928.029	Santa Eduwiges	Santa Eduwiges	Underground
21576-577	10658.87	9449.161	1926.39	Santa Eduwiges	Santa Eduwiges	Underground
21578-580	10660.63	9450.094	1920.923	Santa Eduwiges	Santa Eduwiges	Underground
21801-802	10635.27	9410.222	1919.935	Santa Eduwiges	Santa Eduwiges	Underground
21803-804	10633.99	9410.333	1919.709	Santa Eduwiges	Santa Eduwiges	Underground
21805-806	10632.33	9410.435	1919.7	Santa Eduwiges	Santa Eduwiges	Underground
21807-808	10629.42	9410.642	1926.428	Santa Eduwiges	Santa Eduwiges	Underground
21809-809	10628.49	9410.175	1927.028	Santa Eduwiges	Santa Eduwiges	Underground
21810-811	10626.09	9409.317	1919.883	Santa Eduwiges	Santa Eduwiges	Underground
21812-813	10623.97	9409.297	1919.888	Santa Eduwiges	Santa Eduwiges	Underground
21814-815	10621.47	9409.246	1922.107	Santa Eduwiges	Santa Eduwiges	Underground
21816-817	10619.54	9409.06	1928.862	Santa Eduwiges	Santa Eduwiges	Underground
21818-823	10247.94	9094.275	2021.766	Monaco	Milagro	Underground
21824-828	10243.36	9094.493	2020.25	Monaco	Milagro	Underground
21829-831	10302.6	9120.93	1974.943	Monaco	Milagro	Underground
21832-834	10306.62	9122.806	1974.769	Monaco	Milagro	Underground
21835-837	10303.83	9117.027	1973.994	Monaco	Milagro	Underground
21856-860	10303.12	9113.866	1972.875	Monaco	Milagro	Underground
21880-883	10248.2	9096.642	2020.68	Monaco	Milagro	Underground
21884-886	10242.54	9093.97	2020.17	Monaco	Milagro	Underground
21889-892	10642.12	9428.703	1926.762	Santa Eduwiges	Santa Eduwiges	Underground
21893-895	10641.8	9426.737	1917.657	Santa Eduwiges	Santa Eduwiges	Underground
21896-898	10641.48	9424.76	1925.937	Santa Eduwiges	Santa Eduwiges	Underground
21899-900	10640.82	9422.802	1922.117	Santa Eduwiges	Santa Eduwiges	Underground
21909-912	10252.25	9098.387	2020.429	Monaco	Milagro	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
21927-930	10253.7	9098.868	2020.004	Monaco	Milagro	Underground
21931-934	10256.16	9101.393	2020.399	Monaco	Milagro	Underground
21935-937	10245.61	9097.585	2020.62	Monaco	Milagro	Underground
21938-941	10302.71	9109.876	1971.796	Monaco	Milagro	Underground
21954-956	10636.56	9412.223	1919.766	Santa Eduwiges	Santa Eduwiges	Underground
21957-958	10634.99	9411.101	1919.941	Santa Eduwiges	Santa Eduwiges	Underground
21959-961	10632.95	9410.965	1919.737	Santa Eduwiges	Santa Eduwiges	Underground
21962-963	10631.04	9410.342	1919.795	Santa Eduwiges	Santa Eduwiges	Underground
21964-965	10628.92	9410.218	1927.579	Santa Eduwiges	Santa Eduwiges	Underground
21966-968	10627.07	9409.454	1919.704	Santa Eduwiges	Santa Eduwiges	Underground
21969-970	10625.1	9408.991	1919.897	Santa Eduwiges	Santa Eduwiges	Underground
21971-973	10622.98	9408.981	1919.887	Santa Eduwiges	Santa Eduwiges	Underground
21974-976	10621	9408.517	1920.247	Santa Eduwiges	Santa Eduwiges	Underground
21977-979	10618.95	9408.686	1928.722	Santa Eduwiges	Santa Eduwiges	Underground
21980-982	10617.02	9407.924	1920.075	Santa Eduwiges	Santa Eduwiges	Underground
21983-985	10614.87	9407.644	1919.954	Santa Eduwiges	Santa Eduwiges	Underground
21986-989	10301.55	9108.093	1971.422	Monaco	Milagro	Underground
21990-993	10256.94	9102.696	2024.973	Monaco	Milagro	Underground
21994-996	10613.29	9424.553	1863.679	Santa Eduwiges	Santa Eduwiges	Underground
21997-999	10615.23	9425.404	1923.585	Santa Eduwiges	Santa Eduwiges	Underground
22000-001	10617.31	9425.795	1925.453	Santa Eduwiges	Santa Eduwiges	Underground
22002-004	10619.13	9426.676	1929.427	Santa Eduwiges	Santa Eduwiges	Underground
22005-007	10621.06	9427.43	1902.977	Santa Eduwiges	Santa Eduwiges	Underground
22008-010	10622.79	9428.567	1928.716	Santa Eduwiges	Santa Eduwiges	Underground
22019-020	10262.78	9104.016	2020.096	Monaco	Milagro	Underground
22021-022	10262.65	9104.44	2020.095	Monaco	Milagro	Underground
22036-041	10292.99	9104.094	1968.019	Monaco	Milagro	Underground
22042-045	10294.78	9100.432	1970.873	Monaco	Milagro	Underground
22046-048	10639.7	9412.32	1919.994	Santa Eduwiges	Santa Eduwiges	Underground
22049-051	10640.69	9413.942	1920.225	Santa Eduwiges	Santa Eduwiges	Underground
22052-053	10639.92	9416.221	1919.83	Santa Eduwiges	Santa Eduwiges	Underground
22054-055	10639.95	9419.042	1920.007	Santa Eduwiges	Santa Eduwiges	Underground
22056-057	10639.73	9421.145	1923.034	Santa Eduwiges	Santa Eduwiges	Underground
22058-059	10640.21	9423.145	1922.75	Santa Eduwiges	Santa Eduwiges	Underground
12997	9941.77	9970.333	1917.152	Promnontorio	Promontorio	Underground
12998	9940.732	9971.115	1917.152	Promnontorio	Promontorio	Underground
12999	9940.492	9971.296	1917.152	Promnontorio	Promontorio	Underground
14610	10043.93	9992.552	1903.74	Promnontorio	Promontorio	Underground
14611	10044.54	9993.066	1903.74	Promnontorio	Promontorio	Underground
14612	10045.07	9993.516	1903.74	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
14613	10045.38	9993.773	1903.74	Promnontorio	Promontorio	Underground
14614	10045.65	9993.998	1903.74	Promnontorio	Promontorio	Underground
14615	10046.26	9994.512	1903.74	Promnontorio	Promontorio	Underground
14616	10046.72	9994.898	1903.74	Promnontorio	Promontorio	Underground
14617	10047.26	9995.348	1903.74	Promnontorio	Promontorio	Underground
14618	10047.72	9995.734	1903.74	Promnontorio	Promontorio	Underground
14619	10043.74	9996.715	1903.562	Promnontorio	Promontorio	Underground
14620	10044.2	9997.101	1903.562	Promnontorio	Promontorio	Underground
14621	10045.04	9997.808	1903.562	Promnontorio	Promontorio	Underground
14622	10045.66	9998.322	1903.562	Promnontorio	Promontorio	Underground
14623	10046.96	9998.984	1903.742	Promnontorio	Promontorio	Underground
14624	10047.19	9998.791	1903.742	Promnontorio	Promontorio	Underground
14625	10047.73	9998.341	1903.742	Promnontorio	Promontorio	Underground
14626	10048.34	9997.827	1903.742	Promnontorio	Promontorio	Underground
14755	10047.01	9995.571	1903.896	Promnontorio	Promontorio	Underground
14756	10047.54	9996.021	1903.896	Promnontorio	Promontorio	Underground
14757	10048.31	9996.664	1903.896	Promnontorio	Promontorio	Underground
14758	10049.23	9997.436	1903.896	Promnontorio	Promontorio	Underground
14759	10050.38	9998.4	1903.896	Promnontorio	Promontorio	Underground
14760	10051.97	9998.566	1903.971	Promnontorio	Promontorio	Underground
14761	10052.47	9998.566	1903.971	Promnontorio	Promontorio	Underground
14762	10052.97	9998.566	1903.971	Promnontorio	Promontorio	Underground
14763	10053.67	9998.566	1903.971	Promnontorio	Promontorio	Underground
14764	10054.47	9998.566	1903.971	Promnontorio	Promontorio	Underground
14765	10055.47	9998.566	1903.971	Promnontorio	Promontorio	Underground
14766	10056.2	9998.917	1904.173	Promnontorio	Promontorio	Underground
14767	10055.62	9999.913	1904.173	Promnontorio	Promontorio	Underground
14768	10055.17	10000.69	1904.173	Promnontorio	Promontorio	Underground
14827	10056.45	10002.43	1904.021	Promnontorio	Promontorio	Underground
14828	10057.08	10003.33	1904.021	Promnontorio	Promontorio	Underground
14829	10057.6	10004.07	1904.021	Promnontorio	Promontorio	Underground
14830	10058.23	10004.97	1904.021	Promnontorio	Promontorio	Underground
14831	10058.97	10006.03	1904.021	Promnontorio	Promontorio	Underground
14832	10059.55	10006.85	1904.021	Promnontorio	Promontorio	Underground
14833	10060.23	10007.83	1904.021	Promnontorio	Promontorio	Underground
14990	10034.11	9991.701	1930.847	Promnontorio	Promontorio	Underground
14991	10034.37	9991.157	1930.847	Promnontorio	Promontorio	Underground
14992	10034.58	9990.704	1930.847	Promnontorio	Promontorio	Underground
14993	10030.36	9992.025	1930.844	Promnontorio	Promontorio	Underground
15437	10052.36	10003.39	1903.963	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
15438	10049.76	10002.12	1903.955	Promnontorio	Promontorio	Underground
15439	10049.16	10001.45	1903.955	Promnontorio	Promontorio	Underground
15440	10048.62	10000.86	1903.955	Promnontorio	Promontorio	Underground
15441	10047.51	9999.75	1903.803	Promnontorio	Promontorio	Underground
15442	10046.93	9999.061	1903.803	Promnontorio	Promontorio	Underground
15443	10046.48	9998.525	1903.803	Promnontorio	Promontorio	Underground
15444	10045.9	9997.835	1903.803	Promnontorio	Promontorio	Underground
18111	9983.316	10074.25	1923.584	Promnontorio	Promontorio	Underground
18112	9983.613	10075.07	1923.817	Promnontorio	Promontorio	Underground
18113	9983.844	10075.71	1923.998	Promnontorio	Promontorio	Underground
18114	9984.108	10076.43	1924.205	Promnontorio	Promontorio	Underground
18115	9984.406	10077.25	1924.438	Promnontorio	Promontorio	Underground
18116	9984.703	10078.07	1924.671	Promnontorio	Promontorio	Underground
18117	9982.784	10078.23	1923.604	Promnontorio	Promontorio	Underground
18118	9983.114	10079.13	1923.863	Promnontorio	Promontorio	Underground
18119	9983.445	10080.04	1924.122	Promnontorio	Promontorio	Underground
18120	9983.676	10080.68	1924.303	Promnontorio	Promontorio	Underground
18121	9983.907	10081.31	1924.484	Promnontorio	Promontorio	Underground
18122	9984.105	10081.86	1924.639	Promnontorio	Promontorio	Underground
18123	9986.557	10078.32	1924.173	Promnontorio	Promontorio	Underground
18124	9986.888	10079.23	1924.432	Promnontorio	Promontorio	Underground
18150	9985.387	10074.67	1923.714	Promnontorio	Promontorio	Underground
18151	9985.537	10075.23	1923.869	Promnontorio	Promontorio	Underground
18152	9985.687	10075.79	1924.024	Promnontorio	Promontorio	Underground
18153	9985.837	10076.35	1924.179	Promnontorio	Promontorio	Underground
18154	9986.062	10077.19	1924.412	Promnontorio	Promontorio	Underground
18155	9986.187	10077.65	1924.542	Promnontorio	Promontorio	Underground
18156	9986.312	10078.12	1924.671	Promnontorio	Promontorio	Underground
18157	9981.547	10080.63	1924.173	Promnontorio	Promontorio	Underground
18158	9981.293	10081.17	1924.173	Promnontorio	Promontorio	Underground
18159	9981.039	10081.72	1924.173	Promnontorio	Promontorio	Underground
18160	9980.87	10082.51	1924.189	Promnontorio	Promontorio	Underground
18161	9981.477	10082.86	1924.189	Promnontorio	Promontorio	Underground
18162	9982.256	10083.31	1924.189	Promnontorio	Promontorio	Underground
18163	9983.484	10082.93	1924.285	Promnontorio	Promontorio	Underground
18284	9991.79	10071.04	1923.935	Promnontorio	Promontorio	Underground
18285	9991.639	10070.93	1924.013	Promnontorio	Promontorio	Underground
18286	9990.81	10070.35	1924.443	Promnontorio	Promontorio	Underground
18287	9990.084	10069.91	1923.727	Promnontorio	Promontorio	Underground
18288	9989.103	10070.73	1923.953	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
18289	9988.349	10071.37	1924.126	Promnontorio	Promontorio	Underground
18290	9987.67	10071.93	1924.283	Promnontorio	Promontorio	Underground
18291	9987.029	10072.47	1924.43	Promnontorio	Promontorio	Underground
18292	9986.35	10073.04	1924.586	Promnontorio	Promontorio	Underground
18293	9996.849	10042.84	1923.748	Promnontorio	Promontorio	Underground
18294	9996.273	10043.33	1924.022	Promnontorio	Promontorio	Underground
18295	9995.734	10043.78	1924.278	Promnontorio	Promontorio	Underground
18296	9995.302	10044.14	1924.484	Promnontorio	Promontorio	Underground
18297	9995.042	10040.91	1923.983	Promnontorio	Promontorio	Underground
18298	9994.682	10041.21	1924.154	Promnontorio	Promontorio	Underground
18299	9994.394	10041.46	1924.291	Promnontorio	Promontorio	Underground
18300	9994.034	10041.76	1924.462	Promnontorio	Promontorio	Underground
18375	9941.382	9973.711	1918.708	Promnontorio	Promontorio	Underground
18376	9941.737	9973.413	1918.895	Promnontorio	Promontorio	Underground
18377	9942.961	9974.986	1918.625	Promnontorio	Promontorio	Underground
18378	9943.067	9974.897	1918.681	Promnontorio	Promontorio	Underground
18379	9944.109	9976.69	1918.806	Promnontorio	Promontorio	Underground
18380	9944.252	9976.571	1918.881	Promnontorio	Promontorio	Underground
18381	9945.397	9978.218	1919.143	Promnontorio	Promontorio	Underground
18382	9945.504	9978.128	1919.199	Promnontorio	Promontorio	Underground
18383	9946.677	9979.736	1918.843	Promnontorio	Promontorio	Underground
18384	9946.819	9979.617	1918.918	Promnontorio	Promontorio	Underground
18386	9947.939	9981.251	1921.171	Promnontorio	Promontorio	Underground
18387	9948.294	9980.953	1921.358	Promnontorio	Promontorio	Underground
18701	10003.35	10051.39	1923.733	Promnontorio	Promontorio	Underground
18702	10003.79	10051.02	1923.898	Promnontorio	Promontorio	Underground
18703	10004.16	10050.71	1924.036	Promnontorio	Promontorio	Underground
18704	10019.98	10006.98	1843.826	Promnontorio	Promontorio	Underground
18705	10020.54	10006.42	1843.965	Promnontorio	Promontorio	Underground
18706	10021.09	10005.86	1844.104	Promnontorio	Promontorio	Underground
18710	10004.7	10052.5	1923.564	Promnontorio	Promontorio	Underground
18711	10005.25	10052.03	1923.771	Promnontorio	Promontorio	Underground
18712	10005.62	10051.73	1923.908	Promnontorio	Promontorio	Underground
18713	9847.379	9877.405	1917.899	Promnontorio	Promontorio	Underground
18714	9846.834	9878.184	1918.208	Promnontorio	Promontorio	Underground
18715	9846.424	9878.769	1918.44	Promnontorio	Promontorio	Underground
18716	10026.73	10021.59	1839.977	Promnontorio	Promontorio	Underground
18717	10027.15	10021.18	1840.082	Promnontorio	Promontorio	Underground
18718	10027.35	10020.97	1840.134	Promnontorio	Promontorio	Underground
18719	10006.13	10053.81	1923.431	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
18720	10006.86	10053.19	1923.707	Promnontorio	Promontorio	Underground
18721	10007.08	10053.01	1923.789	Promnontorio	Promontorio	Underground
18722	9842.862	9874.039	1917.989	Promnontorio	Promontorio	Underground
18723	9842.616	9874.389	1918.128	Promnontorio	Promontorio	Underground
18724	9842.235	9874.935	1918.344	Promnontorio	Promontorio	Underground
18725	10009.11	10056.55	1923.514	Promnontorio	Promontorio	Underground
18726	10009.55	10056.18	1923.68	Promnontorio	Promontorio	Underground
18727	10009.77	10056	1923.762	Promnontorio	Promontorio	Underground
18728	10010.23	10057.61	1923.389	Promnontorio	Promontorio	Underground
18729	10010.6	10057.3	1923.527	Promnontorio	Promontorio	Underground
18730	10011.34	10056.68	1923.803	Promnontorio	Promontorio	Underground
18731	9840.925	9872.116	1918.003	Promnontorio	Promontorio	Underground
18732	9840.489	9872.74	1918.25	Promnontorio	Promontorio	Underground
18737	10014.82	10058.91	1923.543	Promnontorio	Promontorio	Underground
18738	10015.27	10058.54	1923.709	Promnontorio	Promontorio	Underground
18739	10015.85	10058.05	1923.929	Promnontorio	Promontorio	Underground
18740	10016.44	10057.55	1924.15	Promnontorio	Promontorio	Underground
18741	10015.06	10058.56	1920.757	Promnontorio	Promontorio	Underground
18742	10014.39	10058	1920.99	Promnontorio	Promontorio	Underground
18743	10013.73	10057.44	1921.223	Promnontorio	Promontorio	Underground
18744	10013.06	10056.89	1921.456	Promnontorio	Promontorio	Underground
18745	10012.54	10056.45	1921.637	Promnontorio	Promontorio	Underground
18746	10011.95	10055.95	1921.845	Promnontorio	Promontorio	Underground
18747	10011.51	10055.58	1922	Promnontorio	Promontorio	Underground
18748	10010.84	10055.02	1922.233	Promnontorio	Promontorio	Underground
18749	10010.47	10054.71	1922.362	Promnontorio	Promontorio	Underground
18750	10010.1	10054.4	1922.492	Promnontorio	Promontorio	Underground
18751	10009.58	10053.97	1922.673	Promnontorio	Promontorio	Underground
18752	10009.14	10053.59	1922.828	Promnontorio	Promontorio	Underground
18753	10008.7	10053.22	1922.983	Promnontorio	Promontorio	Underground
18754	10008.18	10052.79	1923.164	Promnontorio	Promontorio	Underground
18755	10007.51	10052.23	1923.397	Promnontorio	Promontorio	Underground
18756	10006.85	10051.67	1923.63	Promnontorio	Promontorio	Underground
18757	10006.18	10051.11	1923.863	Promnontorio	Promontorio	Underground
18758	10005.59	10050.61	1924.07	Promnontorio	Promontorio	Underground
18759	10004.92	10050.06	1924.303	Promnontorio	Promontorio	Underground
18760	10004.26	10049.5	1924.536	Promnontorio	Promontorio	Underground
18761	10003.66	10049	1924.743	Promnontorio	Promontorio	Underground
18762	10003	10048.44	1924.976	Promnontorio	Promontorio	Underground
18763	10002.63	10048.13	1925.106	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
18764	10002.11	10047.7	1925.287	Promnontorio	Promontorio	Underground
18765	10001.74	10047.39	1925.416	Promnontorio	Promontorio	Underground
18766	10001.44	10047.14	1925.52	Promnontorio	Promontorio	Underground
18767	10001.15	10046.89	1925.623	Promnontorio	Promontorio	Underground
18768	10000.93	10046.7	1925.701	Promnontorio	Promontorio	Underground
18769	10000.63	10046.45	1925.804	Promnontorio	Promontorio	Underground
18770	10000.11	10046.02	1925.986	Promnontorio	Promontorio	Underground
18771	9999.521	10045.52	1926.193	Promnontorio	Promontorio	Underground
18772	9998.929	10045.03	1926.4	Promnontorio	Promontorio	Underground
18773	9998.411	10044.59	1926.581	Promnontorio	Promontorio	Underground
18774	9997.782	10044.06	1926.801	Promnontorio	Promontorio	Underground
18775	9997.301	10043.66	1926.969	Promnontorio	Promontorio	Underground
18776	9839.422	9870.861	1918.109	Promnontorio	Promontorio	Underground
18777	9839.149	9871.251	1918.263	Promnontorio	Promontorio	Underground
18778	9838.931	9871.562	1918.387	Promnontorio	Promontorio	Underground
18796	10016.54	10056	1923.913	Promnontorio	Promontorio	Underground
18797	10016.29	10055.69	1923.913	Promnontorio	Promontorio	Underground
18798	10015.71	10055	1923.913	Promnontorio	Promontorio	Underground
18799	10015.32	10054.54	1923.913	Promnontorio	Promontorio	Underground
18800	10014.87	10054.01	1923.913	Promnontorio	Promontorio	Underground
18801	10014.36	10053.39	1923.913	Promnontorio	Promontorio	Underground
18802	10014.1	10053.09	1923.913	Promnontorio	Promontorio	Underground
18803	10013.59	10052.47	1923.913	Promnontorio	Promontorio	Underground
18804	10013.11	10051.9	1923.913	Promnontorio	Promontorio	Underground
18805	10012.59	10051.29	1923.913	Promnontorio	Promontorio	Underground
18806	10012.21	10050.83	1923.913	Promnontorio	Promontorio	Underground
18807	10011.72	10050.25	1923.913	Promnontorio	Promontorio	Underground
18808	10011.21	10049.64	1923.913	Promnontorio	Promontorio	Underground
18809	10010.69	10049.03	1923.913	Promnontorio	Promontorio	Underground
18810	10010.18	10048.41	1923.913	Promnontorio	Promontorio	Underground
18815	9969.485	9944.784	1912.446	Promnontorio	Promontorio	Underground
18816	9969.243	9945.072	1912.582	Promnontorio	Promontorio	Underground
18817	9969.092	9945.252	1912.668	Promnontorio	Promontorio	Underground
18818	9970.003	9943.478	1912.539	Promnontorio	Promontorio	Underground
18819	9967.333	9941.586	1913.279	Promnontorio	Promontorio	Underground
18820	9967.061	9941.91	1913.433	Promnontorio	Promontorio	Underground
18821	9966.578	9942.486	1913.707	Promnontorio	Promontorio	Underground
18822	9966.216	9942.917	1913.912	Promnontorio	Promontorio	Underground
18867	10016.5	10055.94	1923.409	Promnontorio	Promontorio	Underground
18868	10016.19	10055.58	1923.58	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
18869	10015.89	10055.22	1923.751	Promnontorio	Promontorio	Underground
18870	10015.59	10054.86	1923.922	Promnontorio	Promontorio	Underground
18871	10015.29	10054.5	1924.093	Promnontorio	Promontorio	Underground
19106	9997.96	10046.18	1925.039	Promnontorio	Promontorio	Underground
19107	9999.414	10047.62	1925.144	Promnontorio	Promontorio	Underground
19108	9999.619	10047.42	1925.222	Promnontorio	Promontorio	Underground
19109	10000.72	10049.15	1925.246	Promnontorio	Promontorio	Underground
19110	10000.93	10048.95	1925.324	Promnontorio	Promontorio	Underground
19111	10002.25	10050.58	1925.523	Promnontorio	Promontorio	Underground
19112	10002.45	10050.38	1925.6	Promnontorio	Promontorio	Underground
19113	10003.84	10051.95	1925.675	Promnontorio	Promontorio	Underground
19114	10004.05	10051.75	1925.753	Promnontorio	Promontorio	Underground
19115	10005.25	10039.93	1926.755	Promnontorio	Promontorio	Underground
19116	10005.55	10039.68	1926.838	Promnontorio	Promontorio	Underground
19117	10006.62	10041.39	1926.831	Promnontorio	Promontorio	Underground
19118	10006.92	10041.14	1926.914	Promnontorio	Promontorio	Underground
19119	10007.84	10043.13	1927.032	Promnontorio	Promontorio	Underground
19120	10008.21	10042.81	1927.136	Promnontorio	Promontorio	Underground
19121	10009.25	10044.73	1925.11	Promnontorio	Promontorio	Underground
19122	10009.59	10044.45	1925.203	Promnontorio	Promontorio	Underground
19128	9828.415	9878.498	1918.669	Promnontorio	Promontorio	Underground
19129	9827.952	9878.416	1918.84	Promnontorio	Promontorio	Underground
19130	9827.582	9878.351	1918.977	Promnontorio	Promontorio	Underground
19131	9829.939	9881.495	1918.501	Promnontorio	Promontorio	Underground
19132	9829.476	9881.414	1918.672	Promnontorio	Promontorio	Underground
19133	9828.921	9881.316	1918.878	Promnontorio	Promontorio	Underground
19134	9828.273	9881.201	1919.117	Promnontorio	Promontorio	Underground
19155	10013.25	10029.67	1923.991	Promnontorio	Promontorio	Underground
19156	10014.23	10029.67	1924.165	Promnontorio	Promontorio	Underground
19157	10015.02	10029.67	1924.304	Promnontorio	Promontorio	Underground
19165	10013.17	10029.75	1924.051	Promnontorio	Promontorio	Underground
19166	10012.99	10030.42	1924.173	Promnontorio	Promontorio	Underground
19167	10012.89	10030.8	1924.242	Promnontorio	Promontorio	Underground
19168	9820.831	9885.718	1919.125	Promnontorio	Promontorio	Underground
19169	9821.829	9885.354	1919.409	Promnontorio	Promontorio	Underground
19170	9822.556	9885.09	1919.616	Promnontorio	Promontorio	Underground
19171	9819.194	9882.67	1919.142	Promnontorio	Promontorio	Underground
19172	9819.988	9882.381	1919.45	Promnontorio	Promontorio	Underground
19173	9820.607	9882.156	1919.689	Promnontorio	Promontorio	Underground
19174	9818.885	9884.543	1919.619	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
19175	9819.402	9885.28	1919.619	Promnontorio	Promontorio	Underground
19176	10170.99	10001	1906.546	Promnontorio	Promontorio	Underground
19177	10171.23	10001.29	1906.683	Promnontorio	Promontorio	Underground
19178	10167.56	10002.78	1906.803	Promnontorio	Promontorio	Underground
19179	10167.74	10003	1906.905	Promnontorio	Promontorio	Underground
19180	10165.06	10004.07	1906.991	Promnontorio	Promontorio	Underground
19181	10165.25	10004.29	1907.094	Promnontorio	Promontorio	Underground
19197	10163.39	10004.95	1906.983	Promnontorio	Promontorio	Underground
19198	10163.6	10005.2	1907.102	Promnontorio	Promontorio	Underground
19199	10164.05	10005.74	1907.359	Promnontorio	Promontorio	Underground
19200	10161.63	10005.92	1904.123	Promnontorio	Promontorio	Underground
19401	10161.93	10006.28	1904.294	Promnontorio	Promontorio	Underground
19402	10162.32	10006.75	1904.516	Promnontorio	Promontorio	Underground
19403	10159.78	10006.71	1907.035	Promnontorio	Promontorio	Underground
19404	10160.08	10007.07	1907.206	Promnontorio	Promontorio	Underground
19405	10160.53	10007.61	1907.462	Promnontorio	Promontorio	Underground
19406	10157.59	10007.39	1906.92	Promnontorio	Promontorio	Underground
19407	10157.83	10007.68	1907.057	Promnontorio	Promontorio	Underground
19408	10158.13	10008.04	1907.228	Promnontorio	Promontorio	Underground
19411	10034.9	10031.37	1837.692	Promnontorio	Promontorio	Underground
19412	10035.27	10031.43	1837.829	Promnontorio	Promontorio	Underground
19413	10035.82	10031.53	1838.034	Promnontorio	Promontorio	Underground
19414	10036.84	10031.71	1838.41	Promnontorio	Promontorio	Underground
19415	10037.39	10031.81	1838.615	Promnontorio	Promontorio	Underground
19416	10038.04	10031.92	1838.855	Promnontorio	Promontorio	Underground
19417	10039.9	10030.81	1838.024	Promnontorio	Promontorio	Underground
19418	10040.02	10030.12	1838.024	Promnontorio	Promontorio	Underground
19450	10045.4	10032.18	1836.154	Promnontorio	Promontorio	Underground
19451	10046.04	10032.29	1836.393	Promnontorio	Promontorio	Underground
19452	10046.6	10032.39	1836.598	Promnontorio	Promontorio	Underground
19453	10046.88	10032.44	1836.701	Promnontorio	Promontorio	Underground
19698	10051.47	10033.41	1835.916	Promnontorio	Promontorio	Underground
19699	10052.04	10033.08	1836.156	Promnontorio	Promontorio	Underground
19700	10052.45	10032.84	1836.327	Promnontorio	Promontorio	Underground
19777	9950.497	9986.684	1930.316	Promnontorio	Promontorio	Underground
19778	9950.872	9986.37	1930.42	Promnontorio	Promontorio	Underground
19779	9951.096	9986.181	1930.482	Promnontorio	Promontorio	Underground
19780	9953.015	9988.085	1930.082	Promnontorio	Promontorio	Underground
19781	9953.314	9987.834	1930.165	Promnontorio	Promontorio	Underground
19782	9955.783	9989.794	1931.522	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
19783	9956.158	9989.479	1931.626	Promnontorio	Promontorio	Underground
19784	9957.936	9992.355	1931.116	Promnontorio	Promontorio	Underground
19785	9958.273	9992.072	1931.209	Promnontorio	Promontorio	Underground
19787	10167.19	10005.13	1905.163	Promnontorio	Promontorio	Underground
19788	10167.76	10005.94	1905.336	Promnontorio	Promontorio	Underground
19789	10168.27	10006.67	1905.493	Promnontorio	Promontorio	Underground
19840	9797.186	9892.717	1920.454	Promnontorio	Promontorio	Underground
19841	9797.063	9893.055	1920.63	Promnontorio	Promontorio	Underground
19842	9796.817	9893.731	1920.98	Promnontorio	Promontorio	Underground
19843	9800.172	9895.555	1920.532	Promnontorio	Promontorio	Underground
19844	9799.869	9895.555	1920.707	Promnontorio	Promontorio	Underground
19845	9799.609	9895.555	1920.857	Promnontorio	Promontorio	Underground
19901	10084.35	10031.58	1845.816	Promnontorio	Promontorio	Underground
19902	10084.86	10031.29	1845.92	Promnontorio	Promontorio	Underground
19903	10085.71	10030.8	1846.093	Promnontorio	Promontorio	Underground
19904	10083.38	10030.27	1845.753	Promnontorio	Promontorio	Underground
19905	10083.64	10030.13	1845.805	Promnontorio	Promontorio	Underground
19906	10082.67	10029.19	1845.699	Promnontorio	Promontorio	Underground
19907	10082.92	10029.04	1845.751	Promnontorio	Promontorio	Underground
19908	10083.52	10028.7	1845.872	Promnontorio	Promontorio	Underground
19909	10081.71	10027.35	1845.423	Promnontorio	Promontorio	Underground
19910	10082.13	10027.11	1845.51	Promnontorio	Promontorio	Underground
20101	10080.4	10025.21	1846.19	Promnontorio	Promontorio	Underground
20102	10080.91	10024.92	1846.345	Promnontorio	Promontorio	Underground
20103	10078.23	10021.97	1845.832	Promnontorio	Promontorio	Underground
20104	10078.6	10021.75	1845.949	Promnontorio	Promontorio	Underground
20105	10075.21	10020.33	1845.731	Promnontorio	Promontorio	Underground
20106	10075.84	10019.97	1845.925	Promnontorio	Promontorio	Underground
20107	10076.59	10019.53	1846.158	Promnontorio	Promontorio	Underground
20113	9970.076	10002.72	1926.602	Promnontorio	Promontorio	Underground
20114	9970.459	10002.39	1926.602	Promnontorio	Promontorio	Underground
20115	9970.689	10002.2	1926.602	Promnontorio	Promontorio	Underground
20116	9967.946	10000.52	1926.245	Promnontorio	Promontorio	Underground
20117	9968.329	10000.2	1926.245	Promnontorio	Promontorio	Underground
20118	9968.789	9999.811	1926.245	Promnontorio	Promontorio	Underground
20119	9965.845	9998.447	1925.655	Promnontorio	Promontorio	Underground
20120	9966.228	9998.126	1925.655	Promnontorio	Promontorio	Underground
20121	9966.534	9997.869	1925.655	Promnontorio	Promontorio	Underground
20122	9963.806	9996.172	1930.176	Promnontorio	Promontorio	Underground
20123	9964.151	9995.883	1930.176	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20124	9964.381	9995.69	1930.176	Promnontorio	Promontorio	Underground
20125	9961.078	9994.193	1930.061	Promnontorio	Promontorio	Underground
20126	9961.384	9993.936	1930.061	Promnontorio	Promontorio	Underground
20127	9961.921	9993.486	1930.061	Promnontorio	Promontorio	Underground
20128	9957.972	9990.76	1931.517	Promnontorio	Promontorio	Underground
20129	9958.355	9990.439	1931.517	Promnontorio	Promontorio	Underground
20130	9955.196	9989.008	1928.366	Promnontorio	Promontorio	Underground
20131	9955.566	9988.697	1928.495	Promnontorio	Promontorio	Underground
20132	9955.751	9988.542	1928.56	Promnontorio	Promontorio	Underground
20141	10052.21	10033.68	1835.929	Promnontorio	Promontorio	Underground
20142	10052.62	10033.76	1836.083	Promnontorio	Promontorio	Underground
20143	10053.55	10033.92	1836.425	Promnontorio	Promontorio	Underground
20144	10054.1	10034.02	1836.631	Promnontorio	Promontorio	Underground
20145	10054.62	10033.91	1836.683	Promnontorio	Promontorio	Underground
20146	10054.77	10033.02	1836.683	Promnontorio	Promontorio	Underground
20147	10054.97	10031.89	1836.683	Promnontorio	Promontorio	Underground
20148	10054.47	10031.05	1835.414	Promnontorio	Promontorio	Underground
20149	10053.45	10030.87	1835.79	Promnontorio	Promontorio	Underground
20150	10052.2	10030.65	1836.252	Promnontorio	Promontorio	Underground
20151	10051.27	10030.49	1836.594	Promnontorio	Promontorio	Underground
20161	10052.53	10028.75	1835.646	Promnontorio	Promontorio	Underground
20162	10051.78	10028.62	1835.893	Promnontorio	Promontorio	Underground
20163	10051.03	10028.49	1836.141	Promnontorio	Promontorio	Underground
20164	10050.47	10028.39	1836.326	Promnontorio	Promontorio	Underground
20173	10051.78	10027.3	1836.002	Promnontorio	Promontorio	Underground
20174	10051.41	10027.23	1836.125	Promnontorio	Promontorio	Underground
20175	10051.03	10027.17	1836.249	Promnontorio	Promontorio	Underground
20176	10050.75	10027.12	1836.342	Promnontorio	Promontorio	Underground
20179	10052.48	10036.22	1836.476	Promnontorio	Promontorio	Underground
20180	10052.92	10036.06	1836.647	Promnontorio	Promontorio	Underground
20181	10053.62	10035.8	1836.921	Promnontorio	Promontorio	Underground
20182	10054.06	10035.64	1837.092	Promnontorio	Promontorio	Underground
20185	9803.663	9896.318	1920.093	Promnontorio	Promontorio	Underground
20186	9803.316	9896.156	1920.21	Promnontorio	Promontorio	Underground
20187	9802.796	9895.914	1920.385	Promnontorio	Promontorio	Underground
20188	9801.929	9895.509	1920.678	Promnontorio	Promontorio	Underground
20189	9801.236	9895.186	1920.912	Promnontorio	Promontorio	Underground
20190	10052.89	10037.7	1836.775	Promnontorio	Promontorio	Underground
20191	10053.18	10037.6	1836.775	Promnontorio	Promontorio	Underground
20192	10053.93	10037.32	1836.775	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20196	10050.39	10024.74	1836.085	Promnontorio	Promontorio	Underground
20197	10050.11	10024.69	1836.188	Promnontorio	Promontorio	Underground
20198	10049.65	10024.61	1836.359	Promnontorio	Promontorio	Underground
20199	10049.37	10024.56	1836.462	Promnontorio	Promontorio	Underground
20701	9795.333	9892.134	1920.283	Promnontorio	Promontorio	Underground
20702	9795.142	9892.465	1920.4	Promnontorio	Promontorio	Underground
20703	9794.999	9892.713	1920.488	Promnontorio	Promontorio	Underground
20704	9802.591	9899.875	1920.29	Promnontorio	Promontorio	Underground
20705	9803.465	9899.142	1920.661	Promnontorio	Promontorio	Underground
20706	9804.085	9898.622	1920.923	Promnontorio	Promontorio	Underground
20712	10039.05	10041.93	1836.219	Promnontorio	Promontorio	Underground
20713	10040.11	10041.55	1836.63	Promnontorio	Promontorio	Underground
20714	10040.81	10041.29	1836.903	Promnontorio	Promontorio	Underground
20715	10041.43	10041.07	1837.143	Promnontorio	Promontorio	Underground
20716	10052.99	10038.51	1836.246	Promnontorio	Promontorio	Underground
20717	10053.43	10038.35	1836.417	Promnontorio	Promontorio	Underground
20718	10053.87	10038.19	1836.588	Promnontorio	Promontorio	Underground
20719	10054.27	10038.04	1836.742	Promnontorio	Promontorio	Underground
20720	10054.93	10037.8	1836.998	Promnontorio	Promontorio	Underground
20721	10049.89	10023.83	1836.11	Promnontorio	Promontorio	Underground
20722	10049.42	10023.75	1836.265	Promnontorio	Promontorio	Underground
20723	10048.86	10023.65	1836.45	Promnontorio	Promontorio	Underground
20758	10041.16	10045.09	1835.763	Promnontorio	Promontorio	Underground
20759	10042.02	10044.6	1836.245	Promnontorio	Promontorio	Underground
20760	10042.25	10044.46	1836.376	Promnontorio	Promontorio	Underground
20761	10046.23	10019.74	1836.605	Promnontorio	Promontorio	Underground
20762	10045.98	10019.95	1836.713	Promnontorio	Promontorio	Underground
20763	10045.54	10020.32	1836.899	Promnontorio	Promontorio	Underground
20764	10045.32	10020.5	1836.991	Promnontorio	Promontorio	Underground
20765	10053.69	10042.03	1836.157	Promnontorio	Promontorio	Underground
20766	10054.58	10042.18	1836.596	Promnontorio	Promontorio	Underground
20767	10055.11	10042.28	1836.859	Promnontorio	Promontorio	Underground
20777	10054.52	10043.78	1836.371	Promnontorio	Promontorio	Underground
20778	10055.44	10043.78	1836.762	Promnontorio	Promontorio	Underground
20779	10055.9	10043.78	1836.957	Promnontorio	Promontorio	Underground
20780	10043.13	10047.23	1835.638	Promnontorio	Promontorio	Underground
20781	10043.5	10047.17	1835.775	Promnontorio	Promontorio	Underground
20784	10042.47	10049.29	1834.98	Promnontorio	Promontorio	Underground
20785	10043.27	10049	1835.287	Promnontorio	Promontorio	Underground
20786	10044.33	10048.62	1835.698	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20787	10043.84	10020.69	1836.536	Promnontorio	Promontorio	Underground
20788	10044.27	10020.18	1836.752	Promnontorio	Promontorio	Underground
20789	10044.64	10019.74	1836.937	Promnontorio	Promontorio	Underground
20790	10044.94	10019.38	1837.092	Promnontorio	Promontorio	Underground
20791	9947.309	9985.636	1928.544	Promnontorio	Promontorio	Underground
20792	9947.605	9985.284	1928.74	Promnontorio	Promontorio	Underground
20793	9947.96	9984.861	1928.974	Promnontorio	Promontorio	Underground
20794	9948.196	9984.579	1929.13	Promnontorio	Promontorio	Underground
20920	10054.82	10045.77	1836.572	Promnontorio	Promontorio	Underground
20921	10055.83	10045.59	1836.948	Promnontorio	Promontorio	Underground
20922	10056.3	10045.51	1837.119	Promnontorio	Promontorio	Underground
20923	10056.94	10045.4	1837.358	Promnontorio	Promontorio	Underground
20924	9940.57	9978.089	1929.164	Promnontorio	Promontorio	Underground
20925	9941.164	9977.59	1929.357	Promnontorio	Promontorio	Underground
20926	9941.462	9977.34	1929.454	Promnontorio	Promontorio	Underground
20927	9807.779	9901.968	1920.143	Promnontorio	Promontorio	Underground
20928	9807.396	9902.631	1920.786	Promnontorio	Promontorio	Underground
20936	9937.729	9973.986	1928.965	Promnontorio	Promontorio	Underground
20937	9938.156	9973.629	1929.19	Promnontorio	Promontorio	Underground
20938	9938.866	9973.033	1929.565	Promnontorio	Promontorio	Underground
20939	9809.502	9903.554	1920.05	Promnontorio	Promontorio	Underground
20940	9809.272	9903.952	1920.436	Promnontorio	Promontorio	Underground
20941	9809.081	9904.283	1920.757	Promnontorio	Promontorio	Underground
20942	10044.39	10050.12	1834.524	Promnontorio	Promontorio	Underground
20943	10045.76	10049.76	1835.155	Promnontorio	Promontorio	Underground
20944	10046.55	10049.54	1835.521	Promnontorio	Promontorio	Underground
20945	10046.95	10049.44	1835.704	Promnontorio	Promontorio	Underground
20946	10055.62	10047.2	1836.86	Promnontorio	Promontorio	Underground
20947	10056	10047.13	1836.99	Promnontorio	Promontorio	Underground
20948	10056.55	10047.03	1837.185	Promnontorio	Promontorio	Underground
20949	10056.97	10046.96	1837.332	Promnontorio	Promontorio	Underground
20950	10042.99	10019.91	1836.46	Promnontorio	Promontorio	Underground
20951	10043.22	10019.51	1836.648	Promnontorio	Promontorio	Underground
20952	10043.6	10018.87	1836.947	Promnontorio	Promontorio	Underground
20953	10043.78	10018.55	1837.097	Promnontorio	Promontorio	Underground
20954	9936.852	9971.729	1929.329	Promnontorio	Promontorio	Underground
20969	10056.66	10048.84	1836.54	Promnontorio	Promontorio	Underground
20970	10057.31	10048.29	1836.848	Promnontorio	Promontorio	Underground
20971	10057.59	10048.05	1836.985	Promnontorio	Promontorio	Underground
20972	10057.88	10047.81	1837.122	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
20973	10058.24	10047.51	1837.293	Promnontorio	Promontorio	Underground
20974	10045.89	10051.7	1834.306	Promnontorio	Promontorio	Underground
20975	10046.46	10051.37	1834.545	Promnontorio	Promontorio	Underground
20976	10047.19	10050.95	1834.853	Promnontorio	Promontorio	Underground
20977	10048	10050.48	1835.195	Promnontorio	Promontorio	Underground
20978	10048.49	10050.2	1835.4	Promnontorio	Promontorio	Underground
20979	10043.34	10016.98	1836.589	Promnontorio	Promontorio	Underground
20980	10043.2	10017.24	1836.661	Promnontorio	Promontorio	Underground
20981	10042.91	10017.74	1836.806	Promnontorio	Promontorio	Underground
20982	10042.67	10018.16	1836.927	Promnontorio	Promontorio	Underground
20983	10042.37	10018.66	1837.072	Promnontorio	Promontorio	Underground
20987	10040.29	10018.52	1836.467	Promnontorio	Promontorio	Underground
20988	10040.44	10018.27	1836.555	Promnontorio	Promontorio	Underground
20989	10040.65	10017.9	1836.686	Promnontorio	Promontorio	Underground
20990	10040.94	10017.4	1836.862	Promnontorio	Promontorio	Underground
20991	10041.22	10016.9	1837.037	Promnontorio	Promontorio	Underground
20992	10041.44	10016.53	1837.169	Promnontorio	Promontorio	Underground
20993	10057.76	10049.61	1836.479	Promnontorio	Promontorio	Underground
20994	10058	10049.47	1836.592	Promnontorio	Promontorio	Underground
20995	10058.24	10049.33	1836.704	Promnontorio	Promontorio	Underground
20996	10058.57	10049.15	1836.854	Promnontorio	Promontorio	Underground
20997	10059.13	10048.82	1837.116	Promnontorio	Promontorio	Underground
20998	10059.53	10048.59	1837.303	Promnontorio	Promontorio	Underground
21301	9935.258	9970.695	1929.137	Promnontorio	Promontorio	Underground
21302	9935.485	9970.535	1929.249	Promnontorio	Promontorio	Underground
21303	9935.713	9970.376	1929.361	Promnontorio	Promontorio	Underground
21306	10040.82	10015.06	1836.386	Promnontorio	Promontorio	Underground
21307	10040.33	10015.64	1836.647	Promnontorio	Promontorio	Underground
21308	10039.79	10016.29	1836.94	Promnontorio	Promontorio	Underground
21309	10039.54	10016.58	1837.07	Promnontorio	Promontorio	Underground
21310	10039.18	10017.01	1837.265	Promnontorio	Promontorio	Underground
21311	10066.74	10029.58	1834.046	Promnontorio	Promontorio	Underground
21312	10067.4	10029.2	1834.293	Promnontorio	Promontorio	Underground
21313	10067.97	10028.87	1834.51	Promnontorio	Promontorio	Underground
21314	10068.8	10028.39	1834.819	Promnontorio	Promontorio	Underground
21330	10041.96	10019.81	1836.505	Promnontorio	Promontorio	Underground
21331	10041.68	10019.33	1836.749	Promnontorio	Promontorio	Underground
21332	10041.45	10018.94	1836.952	Promnontorio	Promontorio	Underground
21333	10041.52	10015.84	1836.467	Promnontorio	Promontorio	Underground
21334	10040.96	10016.5	1836.73	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
21335	10040.59	10016.94	1836.906	Promnontorio	Promontorio	Underground
21336	10040.35	10017.23	1837.023	Promnontorio	Promontorio	Underground
21337	10040.04	10017.6	1837.169	Promnontorio	Promontorio	Underground
21338	10046.7	10051.68	1833.726	Promnontorio	Promontorio	Underground
21339	10046.12	10052.01	1834.721	Promnontorio	Promontorio	Underground
21340	10045.92	10052.13	1835.052	Promnontorio	Promontorio	Underground
21341	10045.63	10052.29	1835.55	Promnontorio	Promontorio	Underground
21349	10042.56	10056.19	1833.372	Promnontorio	Promontorio	Underground
21350	10043.44	10056.04	1833.811	Promnontorio	Promontorio	Underground
21351	10043.75	10055.98	1833.964	Promnontorio	Promontorio	Underground
21352	10044.37	10055.87	1834.271	Promnontorio	Promontorio	Underground
21353	10044.81	10055.8	1834.49	Promnontorio	Promontorio	Underground
21354	10045.21	10055.73	1834.687	Promnontorio	Promontorio	Underground
21357	10064.54	10027.06	1833.805	Promnontorio	Promontorio	Underground
21358	10065.43	10026.9	1834.243	Promnontorio	Promontorio	Underground
21359	10065.78	10026.84	1834.419	Promnontorio	Promontorio	Underground
21360	10066.4	10026.73	1834.726	Promnontorio	Promontorio	Underground
21361	10066.84	10026.65	1834.945	Promnontorio	Promontorio	Underground
21362	10067.29	10026.58	1835.164	Promnontorio	Promontorio	Underground
21363	10042.43	10020.96	1836.361	Promnontorio	Promontorio	Underground
21364	10041.96	10020.15	1836.703	Promnontorio	Promontorio	Underground
21365	10041.63	10019.58	1836.942	Promnontorio	Promontorio	Underground
21366	10041.44	10019.25	1837.079	Promnontorio	Promontorio	Underground
21367	10041.21	10018.84	1837.25	Promnontorio	Promontorio	Underground
21637	9912.798	9944.049	1919.504	Promnontorio	Promontorio	Underground
21638	9913.181	9943.728	1919.504	Promnontorio	Promontorio	Underground
21639	9914.023	9943.021	1919.504	Promnontorio	Promontorio	Underground
21640	9911.564	9942.58	1919.412	Promnontorio	Promontorio	Underground
21641	9911.885	9942.31	1919.412	Promnontorio	Promontorio	Underground
21642	9912.651	9941.667	1919.412	Promnontorio	Promontorio	Underground
21643	9910.31	9941.4	1919.372	Promnontorio	Promontorio	Underground
21644	9910.616	9941.143	1919.372	Promnontorio	Promontorio	Underground
21645	9908.388	9940.608	1919.286	Promnontorio	Promontorio	Underground
21646	9908.718	9940.331	1919.286	Promnontorio	Promontorio	Underground
21647	9906.935	9939.369	1919.381	Promnontorio	Promontorio	Underground
21648	9907.287	9939.074	1919.381	Promnontorio	Promontorio	Underground
21649	9907.517	9938.881	1919.381	Promnontorio	Promontorio	Underground
21650	9905.377	9938.045	1919.523	Promnontorio	Promontorio	Underground
21651	9905.914	9937.595	1919.523	Promnontorio	Promontorio	Underground
21652	9906.144	9937.402	1919.523	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
21653	9904.119	9936.745	1919.646	Promnontorio	Promontorio	Underground
21654	9904.655	9936.295	1919.646	Promnontorio	Promontorio	Underground
21655	9904.885	9936.103	1919.646	Promnontorio	Promontorio	Underground
21656	9902.927	9935.081	1919.73	Promnontorio	Promontorio	Underground
21657	9903.463	9934.631	1919.73	Promnontorio	Promontorio	Underground
21658	9903.693	9934.438	1919.73	Promnontorio	Promontorio	Underground
21659	9901.534	9933.569	1919.597	Promnontorio	Promontorio	Underground
21660	9901.994	9933.184	1919.597	Promnontorio	Promontorio	Underground
21661	9902.476	9932.779	1919.597	Promnontorio	Promontorio	Underground
21662	9900.366	9932.189	1919.931	Promnontorio	Promontorio	Underground
21663	9900.78	9931.842	1919.931	Promnontorio	Promontorio	Underground
21664	9901.178	9931.508	1919.931	Promnontorio	Promontorio	Underground
21665	9899.464	9930.451	1919.937	Promnontorio	Promontorio	Underground
21666	9900.115	9929.905	1919.937	Promnontorio	Promontorio	Underground
21667	9900.652	9929.455	1919.937	Promnontorio	Promontorio	Underground
21668	9898.255	9929.018	1919.916	Promnontorio	Promontorio	Underground
21669	9898.944	9928.44	1919.916	Promnontorio	Promontorio	Underground
21670	9899.251	9928.183	1919.916	Promnontorio	Promontorio	Underground
21671	9896.991	9927.894	1919.883	Promnontorio	Promontorio	Underground
21672	9897.397	9927.554	1919.883	Promnontorio	Promontorio	Underground
21673	9897.704	9927.297	1919.883	Promnontorio	Promontorio	Underground
21674	9895.565	9926.735	1919.936	Promnontorio	Promontorio	Underground
21675	9896.101	9926.285	1919.936	Promnontorio	Promontorio	Underground
21676	9896.331	9926.092	1919.936	Promnontorio	Promontorio	Underground
21677	9894.011	9925.396	1920.006	Promnontorio	Promontorio	Underground
21678	9894.24	9925.203	1920.006	Promnontorio	Promontorio	Underground
21679	9894.623	9924.882	1920.006	Promnontorio	Promontorio	Underground
21680	9892.428	9924.365	1920	Promnontorio	Promontorio	Underground
21681	9893.164	9923.748	1920	Promnontorio	Promontorio	Underground
21682	9893.432	9923.523	1920	Promnontorio	Promontorio	Underground
21683	9891.105	9922.952	1920.066	Promnontorio	Promontorio	Underground
21684	9891.488	9922.631	1920.066	Promnontorio	Promontorio	Underground
21685	9891.833	9922.342	1920.066	Promnontorio	Promontorio	Underground
21686	9889.336	9921.616	1919.648	Promnontorio	Promontorio	Underground
21687	9889.949	9921.102	1919.648	Promnontorio	Promontorio	Underground
21688	9890.256	9920.845	1919.648	Promnontorio	Promontorio	Underground
21689	9888.176	9920.122	1919.373	Promnontorio	Promontorio	Underground
21690	9889.095	9919.351	1919.373	Promnontorio	Promontorio	Underground
21691	9889.432	9919.068	1919.373	Promnontorio	Promontorio	Underground
21692	9886.84	9918.09	1919.656	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
21693	9887.468	9917.563	1919.656	Promnontorio	Promontorio	Underground
21694	9887.698	9917.37	1919.656	Promnontorio	Promontorio	Underground
21695	9885.587	9916.248	1919.825	Promnontorio	Promontorio	Underground
21696	9886.2	9915.734	1919.825	Promnontorio	Promontorio	Underground
21697	9886.43	9915.541	1919.825	Promnontorio	Promontorio	Underground
21698	9885.443	9913.601	1919.515	Promnontorio	Promontorio	Underground
21699	9885.98	9913.151	1919.515	Promnontorio	Promontorio	Underground
21700	9886.363	9912.829	1919.515	Promnontorio	Promontorio	Underground
23007	9884.604	9911.623	1919.661	Promnontorio	Promontorio	Underground
23008	9885.293	9911.045	1919.661	Promnontorio	Promontorio	Underground
23009	9885.6	9910.787	1919.661	Promnontorio	Promontorio	Underground
23010	9883.533	9910.135	1919.738	Promnontorio	Promontorio	Underground
23011	9883.916	9909.813	1919.738	Promnontorio	Promontorio	Underground
23012	9884.299	9909.492	1919.738	Promnontorio	Promontorio	Underground
23013	9882.195	9908.792	1919.527	Promnontorio	Promontorio	Underground
23014	9882.808	9908.278	1919.527	Promnontorio	Promontorio	Underground
23015	9883.038	9908.085	1919.527	Promnontorio	Promontorio	Underground
23016	9880.648	9907.431	1919.347	Promnontorio	Promontorio	Underground
23017	9881.49	9906.724	1919.347	Promnontorio	Promontorio	Underground
23018	9881.797	9906.467	1919.347	Promnontorio	Promontorio	Underground
23019	9879.399	9905.585	1919.632	Promnontorio	Promontorio	Underground
23020	9880.012	9905.071	1919.632	Promnontorio	Promontorio	Underground
23021	9880.242	9904.878	1919.632	Promnontorio	Promontorio	Underground
23022	10041.93	10059.98	1833.671	Promnontorio	Promontorio	Underground
23023	10043.13	10059.93	1833.772	Promnontorio	Promontorio	Underground
23024	10043.55	10059.2	1833.772	Promnontorio	Promontorio	Underground
23025	10043.98	10058.46	1833.772	Promnontorio	Promontorio	Underground
23026	10045.3	10056.92	1834.172	Promnontorio	Promontorio	Underground
23040	10038.57	10064.31	1832.844	Promnontorio	Promontorio	Underground
23041	10035.33	10061.6	1832.104	Promnontorio	Promontorio	Underground
23042	10035.62	10061.35	1832.227	Promnontorio	Promontorio	Underground
23048	10060.06	10032.52	1834.494	Promnontorio	Promontorio	Underground
23049	10059.79	10032.59	1834.597	Promnontorio	Promontorio	Underground
23050	10059.15	10032.76	1834.836	Promnontorio	Promontorio	Underground
23051	10058.79	10032.86	1834.973	Promnontorio	Promontorio	Underground
23052	10058.43	10032.96	1835.11	Promnontorio	Promontorio	Underground
23053	10058.16	10033.03	1835.212	Promnontorio	Promontorio	Underground
23054	10057.75	10033.14	1835.366	Promnontorio	Promontorio	Underground
23055	10057.11	10033.31	1835.606	Promnontorio	Promontorio	Underground
23056	10056.57	10033.45	1835.811	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
23057	10056.07	10033.59	1835.999	Promnontorio	Promontorio	Underground
23058	10060.13	10032.34	1834.945	Promnontorio	Promontorio	Underground
23059	10060.33	10031.62	1835.218	Promnontorio	Promontorio	Underground
23060	10060.47	10031.07	1835.423	Promnontorio	Promontorio	Underground
23061	10060.65	10030.44	1835.663	Promnontorio	Promontorio	Underground
13183	9931.433	9963.035	1918.954	Promnontorio	Promontorio	Underground
13184	9932.14	9962.193	1918.954	Promnontorio	Promontorio	Underground
13185	9932.461	9961.81	1918.954	Promnontorio	Promontorio	Underground
13186	9923.644	9955.843	1918.597	Promnontorio	Promontorio	Underground
13187	9924.287	9955.077	1918.597	Promnontorio	Promontorio	Underground
13188	9924.608	9954.694	1918.597	Promnontorio	Promontorio	Underground
13480	9914.747	9944.393	1919.472	Promnontorio	Promontorio	Underground
13481	9914.506	9944.671	1919.458	Promnontorio	Promontorio	Underground
13482	9915.131	9943.867	1919.503	Promnontorio	Promontorio	Underground
13483	9916.955	9947.392	1918.948	Promnontorio	Promontorio	Underground
13484	9916.634	9947.883	1918.927	Promnontorio	Promontorio	Underground
13485	9917.234	9946.959	1918.968	Promnontorio	Promontorio	Underground
13486	9920.746	9951.51	1919.34	Promnontorio	Promontorio	Underground
13487	9920.46	9951.854	1919.314	Promnontorio	Promontorio	Underground
13488	9921.042	9951.073	1919.39	Promnontorio	Promontorio	Underground
13489	9922.755	9953.053	1918.96	Promnontorio	Promontorio	Underground
13490	9922.33	9953.633	1918.925	Promnontorio	Promontorio	Underground
13491	9923.28	9952.565	1918.933	Promnontorio	Promontorio	Underground
13492	9925.304	9955.129	1918.604	Promnontorio	Promontorio	Underground
13493	9924.837	9955.604	1918.603	Promnontorio	Promontorio	Underground
13494	9926.029	9954.505	1918.607	Promnontorio	Promontorio	Underground
13495	9926.583	9957.081	1918.636	Promnontorio	Promontorio	Underground
13496	9926.938	9956.624	1918.636	Promnontorio	Promontorio	Underground
13497	9927.734	9955.685	1918.637	Promnontorio	Promontorio	Underground
13498	9929.76	9957.23	1918.821	Promnontorio	Promontorio	Underground
13499	9929.017	9958.065	1918.889	Promnontorio	Promontorio	Underground
13500	9928.682	9958.551	1918.906	Promnontorio	Promontorio	Underground
13501	9931.237	9960.17	1918.913	Promnontorio	Promontorio	Underground
13502	9930.894	9960.494	1918.894	Promnontorio	Promontorio	Underground
13503	9931.988	9959.448	1918.952	Promnontorio	Promontorio	Underground
13504	9933.318	9962.548	1918.806	Promnontorio	Promontorio	Underground
13505	9933.04	9962.902	1918.799	Promnontorio	Promontorio	Underground
13506	9934.087	9961.649	1918.819	Promnontorio	Promontorio	Underground
13526	9956.381	9983.651	1918.996	Promnontorio	Promontorio	Underground
13527	9955.69	9984.236	1919.088	Promnontorio	Promontorio	Underground

Sample ID	Easting	Northing	Elevation	Zone	Resource Area	Type
13528	9955.473	9984.442	1919.116	Promnontorio	Promontorio	Underground
13529	9958.687	9988.549	1919.842	Promnontorio	Promontorio	Underground
13530	9958.311	9988.877	1919.831	Promnontorio	Promontorio	Underground
13549	9940.177	9969.735	1918.614	Promnontorio	Promontorio	Underground
13550	9940.788	9969.01	1918.589	Promnontorio	Promontorio	Underground
13551	9939.843	9970.09	1918.625	Promnontorio	Promontorio	Underground
13552	9943.509	9972.456	1918.655	Promnontorio	Promontorio	Underground
13553	9942.823	9972.935	1918.665	Promnontorio	Promontorio	Underground
13554	9942.453	9973.249	1918.664	Promnontorio	Promontorio	Underground
13555	9942.087	9973.625	1918.658	Promnontorio	Promontorio	Underground
13556	9944.544	9975.659	1918.706	Promnontorio	Promontorio	Underground
13557	9945.358	9974.766	1918.667	Promnontorio	Promontorio	Underground
13558	9944.082	9976.093	1918.718	Promnontorio	Promontorio	Underground
13559	9946.614	9977.995	1919.017	Promnontorio	Promontorio	Underground
13560	9947.343	9977.27	1918.998	Promnontorio	Promontorio	Underground
13561	9946.062	9978.523	1919.033	Promnontorio	Promontorio	Underground
13562	9948.833	9980.68	1919.008	Promnontorio	Promontorio	Underground
13563	9949.617	9980.03	1919.112	Promnontorio	Promontorio	Underground
13564	9948.28	9981.147	1918.934	Promnontorio	Promontorio	Underground
13565	9951.342	9982.349	1919.479	Promnontorio	Promontorio	Underground
13566	9952.164	9981.653	1919.504	Promnontorio	Promontorio	Underground
13567	9950.999	9982.663	1919.469	Promnontorio	Promontorio	Underground
23077	10061.69	10031.99	1835.45	Promnontorio	Promontorio	Underground
23078	10062.75	10031.3	1835.331	Promnontorio	Promontorio	Underground
23079	10063.79	10030.8	1835.131	Promnontorio	Promontorio	Underground
23080	10063.62	10030.33	1835.131	Promnontorio	Promontorio	Underground
23081	10063.45	10029.86	1835.131	Promnontorio	Promontorio	Underground
23082	10063.28	10029.39	1835.131	Promnontorio	Promontorio	Underground
23083	10063.08	10028.83	1835.131	Promnontorio	Promontorio	Underground