# TECHNICAL REPORT UPDATE ON THE SAN LUCAS GOLD PROPERTY, DURANGO STATE, MEXICO

## 43-101F1 Technical Report

**Endorsed by: William Feyerabend CPG - 11047**

Prepared for: 7678576 Canada Inc. & Black Birch Capital Acquisition I Corp.

Contributor: Manuel Chaires Sandoval, B. Sc.

Report Date: July 19, 2011 Effective Date: July 19, 2011

## DATE AND SIGNATURE PAGE

I, William Feyerabend, do certify that:

1) I am a consulting geologist located at 4218 Kachina Way, Prescott Valley, AZ
2) The title of this report is "Technical Report Update on the San Lucas Gold Property, Durango State, Mexico. 43-101F1 Report" dated July 19, 2011.
3) I graduated with a Bachelor of Science degree from the University of Southern California in 1972. I am a member in good standing of the American Institute of Professional Geologists. I have worked as a geologist for a total of over 30 years since my graduation from university. That experience includes five years evaluating individual gold prospects, eleven years developing two large gold deposits and three years working on exploration specifically for epithermal vein deposits. I meet the definition of Qualified Person for this the purposed of this instrument.
4) For the current report, I spent two days in the field and in the Durango office, including the night of April 17, 2011 in the town of San Lucas de Ocampo.
5) I am responsible for the entire contents of this report.
6) I am independent of 7678576 Canada Inc. and Black Birch Capital Acquisition I Corp. applying all of the tests in Section 15 of NI 43-101.
7) I am the Qualified Person and author for the previous report on the property. For that report, I spent three days in the field including two nights sleeping in San Lucas de Ocampo and two days reviewing data in the Company's Durango, Mexico office October 6 – 10, 2010. That report is titled "Technical Report on the San Lucas Gold Property, Durango State, Mexico" and is dated November 20, 2010.
8) I have read NI 43-101 and Form 43-101F1, and this Technical Report has been prepared in compliance with that instrument and form.
9) As of the effective date of July 19, 2011, 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 no misleading.
10) This report is addressed to: 7678576 Canada Inc. and to Black Birch Capital Acquisition I Corp.
11) I consent to the public filing of this report and the use of extracts from, or a summary of, this report in the filing statement of Black Birch Capital Acquisition I Corp. dated on or about July 19, 2011 (the "Filing Statement").
12) I have read this document and that it fairly and accurately represents the information in the report.

**July 19, 2011**


AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS
CERTIFICATE NUMBER
11047
AIPG
WILLIAM C. FEYERABEND, JR.
CERTIFIED PROFESSIONAL GEOLOGIST

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## SUMMARY

**Minera Mantos S. de R. L. de C.V. ("Minera Mantos" formerly known as "Minera Montana") completed the 2011 Phase I drill program which diminished but has not extinguished the potential of the San Lucas de Ocampo Exploration Project, Durango, Mexico.**

**Surface mapping and sampling by the Minera Mantos in 2010 showed the Property to be a gold exploration target with both potential for bonanza gold-silver vein mineralization and possible bulk mineable bodies in Tertiary volcanics.**

**The early 2011 Phase I drill program reported herein tested with 14 holes two kilometers of altered and mineralized dike structure well exposed on a hilly portion of the concession block. The drilling indicated that mineralization is still sub-economic at the elevation tested, but it did define mineralized zones that could be targeted at further depth.**

**Additionally, a review of historical assays from earlier drilling on the Property by Minera Montana found three holes with extremely high gold assays. If those samples still exist, confirmation check assays may alone provide direct justification for a Phase II drilling program.**

**The results do prove a sizeable hydrothermal system oriented NNE and pointing directly at Silver Standard's San Agustin discover 6 kilometers to the NNE. The NNE direction is also the major structural control at San Agustin. A program of geophysical exploration with some additional mapping and sampling could target mineralization covered by gravels and basalts to the NE and on-trend with San Agustin.**

**A direct cost conceptual budget of $443,350 is proposed for the purpose of a Phase II program testing the remaining potential on the Property: deep drilling, follow-up drilling after confirmation of the Minera Montana assays, and geophysical exploration on the covered and untested portion of the Property with drilling of any targets defined by that work.**

**A successful Phase II drilling program will lead to continued work under a new Phase III budget**

## INTRODUCTION

**William Feyerabend has been retained to prepare a technical report ("the Report") specific to the standards dictated by National Instrument 43-101 and Form 43-101F Standards of Disclosure for Mineral Projects ("NI 43-101") with respect to the San Lucas Property located in Durango, Mexico ("the Property"). William Feyerabend understands that this Report has been requested and will be used by 7678576 Canada Inc. (the "Company), a wholly-owned subsidiary of Oremex Resources Inc. ("Oremex") and Black Birch Capital Acquisition I Corp. ("Black Birch") in connection with a proposed "qualifying transaction" as such term is defined in Policy 2.4 - "Capital Pool Companies" of the corporate finance manual of the TSX Venture Exchange (see "Property Description and Location" for further discussion).**

**Statement of Mr. Smith, President of Oremex who initially retained Mr. Feyerabend:**

"Mr. Feyerabend was contracted to provide an independent professional geological overview of the Company's San Lucas property. All available data and site access were provided to him so as to have a complete picture of the merits of the project."

**The report updates the first property report (Technical Report on the San Lucas Gold Property, Durango State, Mexico by William Feyerabend dated November 20, 2010) and incorporates the results of fourteen reverse circulation ("RC") drill holes completed in early 2011 (The "2011 Drill Campaign"). The goal of the drilling was to test at depth a mineralized dike/breccia system and underlying meta-sediments.**

**The 2011 Drill Campaign would have been successful with one or two holes returning some combination of mineral grade and thickness of innate economic interest. No drill holes met that standard. However, there is coherence to the better anomalous intersections suggesting that deeper drilling could be well targeted. Additionally, historical drill assays have been found from drill holes near but separate from the dike/breccia which need to be checked. Finally, the mineralized dike aligns with the San Agustin discovery and there is some potential for mineralization on that trend hidden under gravels and basalts in the northern part of the company's concessions.**

**Figure 1. Field Visitors.** Group in field at the Property includes author, middle, to his left environmental consultant Claudia Santos Rodriguez and Manuel Olivas Soria on right, Presidente del Comisariado de Bienes Comunales for San Lucas de Ocampo

**For the first report, Feyerabend spent three days in the field (Figure 1) including two nights sleeping in San Lucas de Ocampo and two days reviewing data in the Company's Durango, Mexico office October 6 – 10, 2010. For the current report, Feyerabend spent two days in the field and in the Durango office, including the night of April 17, 2011 in the town of San Lucas de Ocampo.**

**This report is based on information known to the author as of June 23, 2011. It consists of data generated by the Company's consulting geologists. They mapped and sampled the property to generate the drill targets and field managed the drill program including logging and sampling. All samples were taken to ISO-certified laboratories with sample preparation facilities in Durango, Mexico. There are original drill logs and certified assay sheets for the work done by them. The first recorded work done on the property in 2007 for Minera Montana exists only as spreadsheet data.**

## RELIANCE ON OTHER EXPERTS

**The scope of this report does not include verification of mineral title, compliance with Mexican laws and regulations or the underlying company inter-company agreements and title transfers. Dates and recording notices provided by Company legal staff in Mexico are included in the report for reference. William Feyerabend has not verified the various legal documents. Technical data provided by various professionals cited in references for use by William Feyerabend in this Report is in part the result of work conducted, supervised and/or verified by the Company's professional staff and/or consultants. William Feyerabend provides no guarantees or warranties with respect to the reliability or accuracy provided by third parties.**

## PROPERTY DESCRIPTION AND LOCATION

### *Property Area and Location*

**The property is located in the state of Durango approximately 90 kilometers north of the city of Durango in the state of Durango, Mexico (Figure 2). The central concession coordinates are UTM (NAD 27 Mexico) 13R 538000E, UTM 2734600N, (N24o43.609', W104o37.455').**

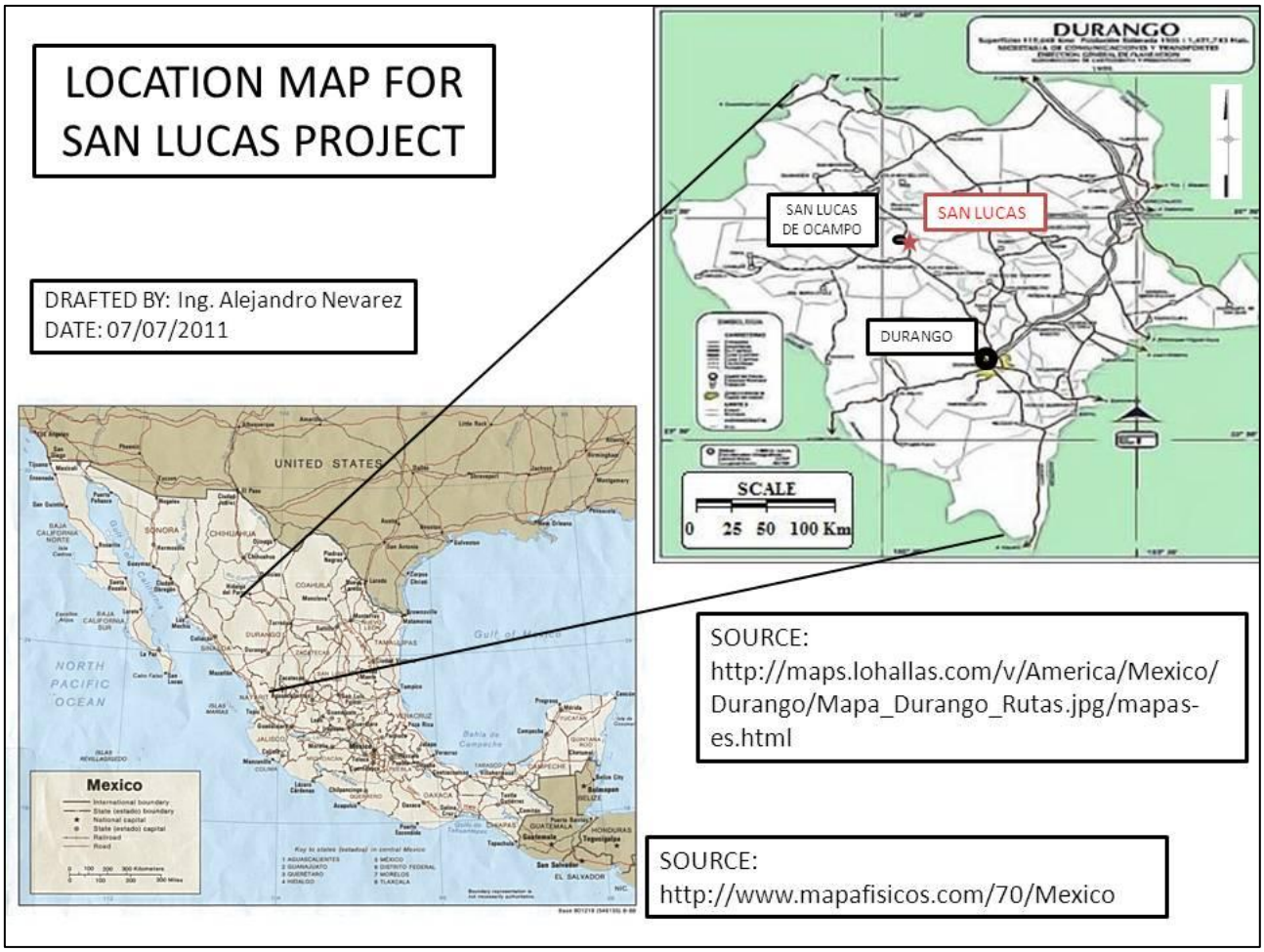



**Figure 2. Location Map.**

## *Nature of Tenure*

**The political subdivisions in Mexico are the federal, state (Durango), municipio (equivalent of county – here is Municipio de San Juan del Rio), ejido (equivalent of district – here is Diez de Octubre) and communidad (San Lucas de Ocampo) levels.**

## *(i) Mineral Rights*

**Mineral rights are held in Mexico by the federal government as per the Political Constitution of the United States of Mexico and the Mining Law of 1992 (as amended in 1996, 2005 and 2006), the latter being the key legislation governing mining activities in Mexico (the "Mining Law") which established that all minerals found within Mexican territory are owned by the Mexican nation and that private parties may exploit those minerals (except for oil and nuclear fuel minerals) through mining licenses or "concessions" granted by the Mexican Federal government.**

**Amendments published to the Mining Law replaced the regime of separate exploration and exploitation concessions by merging them in one form of concession, providing the holder thereof with both exploration and exploitation rights, subject to the payment of applicable levies or taxes. Concessions granted prior to these amendments were automatically converted into the new form with a life of 50 years from the date the exploration concession was originally registered with the Public Registry of Mining.**

**Concessions are transferable and may be granted or acquired by Mexican individuals, local communities with collective ownership of lands (known as "ejidos") and companies organized under Mexican law with no limits on foreign ownership. Foreigners seeking to participate in mining in Mexico must establish a Mexican corporation or enter into a joint venture with Mexican individuals or corporations.**

**Mining concessions have maintenance obligations which must be kept current to avoid cancellation. The main obligations are the filing of assessment work reports ("comprobacion de obras"), the payment of mining taxes (semi-annual), compliance with environmental laws and filing each January of a**

**production/activity report called the Reporte Estadistico. The Company has advised the Author that, as of the date hereof, the Property is in compliance with all such requirements.**

**Mining concessions require marking by a conspicuous monument ("mojonera"). During the first field examination, monuments were found for other, presumably inactive, concessions: La Raquel, La Espanola and one with illegible writings during the traverse. None were found for the current concessions on the traverses checking geology. Mexican law allows the monuments to be up to three kilometers from the concessions boundaries. The Company states that they have photos and coordinates of the mojaneras for the concessions comprising the Property.**

### *(ii) Surface Rights*

**Mineral rights are separate from surface rights in Mexico. Surface rights in Mexico often are communal if organized before the Mexican revolution or ejidal if afterwards. The lands around San Lucas were organized about 1890 and thus are communal lands. Any agreement for surface access with an ejido (community) must be registered with the Registro Agraro Nacional (RAN), a branch of the Secretaria de la Reforma Agraria. The Company has advised the author that Minera Mantos has signed a thirty year renewable agreement with the local community of San Lucas de Ocampo providing for the surface rights in connection with exploration and production of the concessions comprising the Property, as well as the extraction of any minerals located therein. (the "Surface Access Agreement"). The meeting between the ejido of San Lucas and Minera Mantos was registered at the RAN on September 22, 2010 under the registration code number 10RA00002860 and the final contract is also registered at RAN under folio number Thirty Two (32) of Sixth Tome on September, 2010. The Surface Access Agreement specifically allows additional lands to be added to area of allowed surface access as needed based on exploration results. The original agreement covered 60 hectares. That amount was increased to 116 hectares at a meeting with the San Lucas ejido on December 17, 2010 and registered with RAN under register code number 10RA0000860. The current negotiated area of allowed surface access is outlined in blue on Figure 3. Under the Surface Access Agreement, Minera Mantos has agreed to pay 500 Mexican pesos for each hectare covered by the**

**agreement, and 700 Mexican pesos per hectare when the Property is in production.**

### *(iii) Permits*

**Exploration permitting requires only two federal permits. One called the Cambio Uso de Suelo or Change of Land Use. The second is one of two processes depending upon the area of disturbance: Manifestación de Impacto Ambiental (MIA) or Informe Preventivo (IP). Note that no federal permits can be issued without an agreement with the owner of the surface rights. As discussed above, Minera Mantos has a surface access agreement.**

**The Cambio Uso de Suelo (Change of Land Use) was authorized on February 14, 21011 under the official minutes No. SG/130.2.2/000336/11 by the local delegation of the Secretaria del Medio Ambiente y Recursos Naturales (SEMARNAT).**

**The Informe Preventivo (IP) was authorized on January 12, 2011 under the official minutes No. SG/30.2.1.1/000021/11 by the local delegation of the Secretaria del Medio Ambiente y Recursos Naturales (SEMARNAT).**

### *(iv) Nature and Extent of Title to the Property*

**The Property initially formed part of a portfolio of mineral properties or concessions held by Minera Montana S. de R.L. de C.V. ("Minera Montana") which was acquired by Oremex on or about September 28, 2007. Minera Montana was subsequently renamed as Minera Mantos S. de R.L. de C.V. ("Minera Mantos") on or about September 4, 2009, which continued as the registered holder of the concessions comprising the Property. The change to the name of Minera Mantos is filed under public instrument No. 4166. Any work conducted or prepared in respect of the Property prior to September 28, 2007 was completed by Minera Montana, whereas any work conducted on or prepared in respect of the Property subsequent to such date was prepared by Minera Mantos.**

**On March 3, 2011, Minera Mantos assigned its interest in the Property to the Mexican subsidiary of the Company, namely Minera Tres Diamantes S. de R.L. de C.V. ("Minera Tres Diamantes") which was incorporated on October 27,**

**2010 for the purposes of holding the Property, in exchange for a 1.5% net smelter royalty ("NSR") in favor of Minera Mantos.**

**On April 21, 2011, the Company and Oremex entered into acquisition agreements with Black Birch Capital Acquisition I Corp. ("Black Birch"), a company established under the laws of the Province of Ontario, Canada, pursuant to which the parties agreed to complete a proposed "qualifying transaction" as such term is defined in Policy 2.4 - "*Capital Pool Companies*" of the corporate finance manual of the TSX Venture Exchange. In connection with the proposed qualifying transaction, Oremex has agreed to exchange all of the issued and outstanding securities of the Company in exchange for securities of Black Birch and a promissory note in favour of Oremex, whereupon the Company and a newly-incorporated subsidiary of Black Birch will amalgamate, such that the resulting amalgamated entity shall be a wholly-owned subsidiary of Black Birch, which will continue to hold the Property through its ownership of Minera Tres Diamantes. As of the date hereof, Black Birch has applied to the TSX Venture Exchange for acceptance of the proposed qualifying transaction and the listing of the Black Birch securities issuable in connection with the proposed qualifying transaction. Listing will be subject to Black Birch fulfilling all of the listing requirements of the TSX Venture Exchange. In the event that Black Birch does not receive approval of the TSX Venture Exchange for the proposed qualifying transaction, the Company shall remain a wholly-owned subsidiary of Oremex and will continue to hold the Property through its ownership of Minera Tres Diamantes.**

**The NSR is a production royalty payable upon the commencement of commercial production of any of the minerals extracted from the concessions forming the Property for as long as they remain in production. The NSR is payable at the end of each calendar quarter and will be based on the average daily afternoon fix of gold prices (closing price) published by the London Bullion Market Association (commonly referred to as the "second London fixing," the "London Closing" the "London fixing p.m.").**

**The concessions forming part of the Property are assignable at any time by Minera Tres Diamantes, provided that the acquirer or transferee of such concession agrees to be bound by the terms of the NSR. The NSR is not assignable by Minera Mantos without the written consent of Minera Tres Diamantes, who shall have the first right of refusal to acquire the NSR on the**

**same terms upon which Minera Mantos intends to transfer the NSR to a third party. Pursuant to the terms of the NSR, Minera Mantos may also elect to take the NSR "in-kind" in lieu of cash payment thereof.**

**The concession block comprising the Property which was assigned by Minera Mantos to Minera Tres Diamantes is the subject of this report. The individual concessions which are the subject of this report are tabulated in Table 1 and shown on Figure 3. Note that the concession areas are extensive and do not tightly constrain exploration.**

**The historical mining on the property was done on a very small scale and, as best known, there are no significant environmental liabilities.**

**To the knowledge of the author, there are no other known significant factors or risks that may affect access, title, or the right or ability to perform work on the property.**

| Concession Name | Title No. | Area (Hectares) | Title Duration Expiration Date |
|---|---|---|---|
| Liliana | 204932 | 38.0434 | 5/30/1997 to 5/29/2017 |
| El Eden | 213801 | 208.8813 | 6/15/2001 to 6/14/2051 |
| Lucas | 216033 | 67.1991 | 4/2/2002 to 4/1/2052 |
| Montana 2 | 230572 | 365 | 9/21/2007 to 9/20/2057 |
| Montana | 215045 | 529.8935 | 2/7/2002 to 2/6/2052 |
| Paco | 213981 | 24.8888 | 7/13/2001 to 7/12/2051 |
| El Eden 4 Fraccion 1 | 213613 | 1.6067 | 6/5/2001 to 6/42051 |

**Table 1. List of Minera Mantos Mining Concessions**

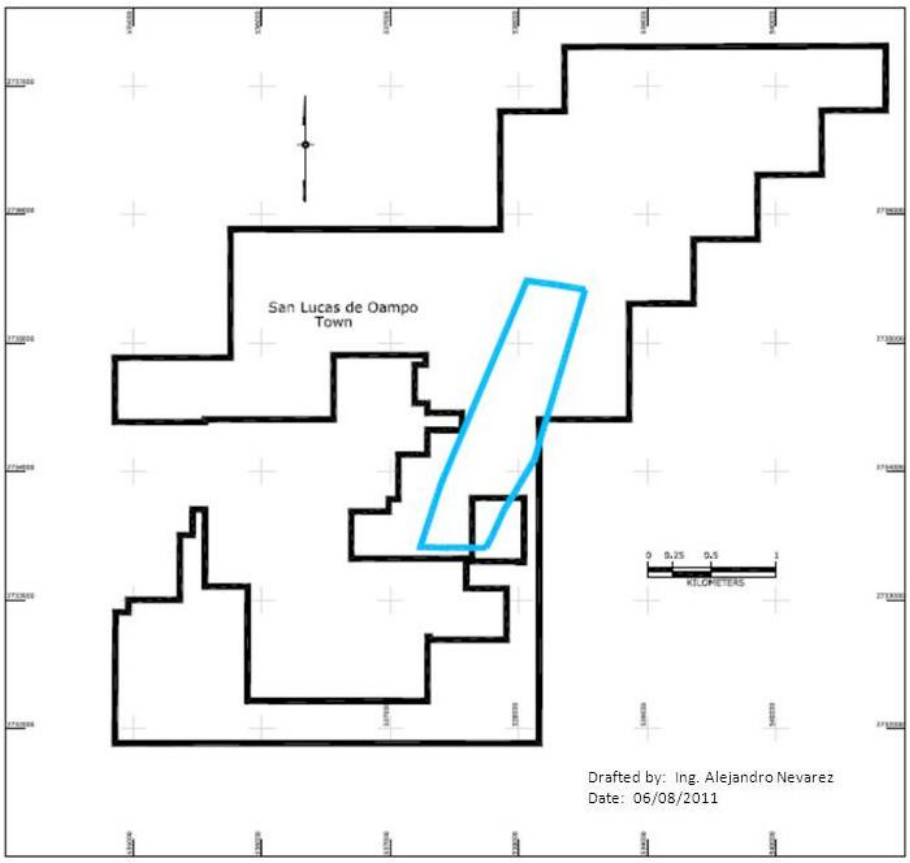



**Figure 3. Minera Mantos Concession Map with Area of Negotiated Surface Access Shown in Blue**

## ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

### *Accessibility*

**The Property is accessed by paved Federal Highway No. 45 (Figure 4) direct from Durango. Transit time depending upon traffic is about an hour to an hour and 15 minutes. Quite passable dirt roads allow reasonable access throughout the concession area.**

**Figure 4. Federal Highway No. 45.**
**San Lucas de Ocampo on horizon.**

### *Climate*

**The region is semi-arid. Spring and summer are hot seasons while winter is moderate, freezing is rare and snowfall is not an issue. The average winter rainfall is 8 mm. (0.3 in.)/month and the average summer rainfall is 36 mm. (1.4 in.)/month. The average total annual rainfall is 283 mm. (11.2 inches) and the average temperature is 21ºC. or 70ºF (Encyclopedia of Mexican States).**

**Exploration can be conducted year around.**

### *Local Resources*

**The adjacent town of San Lucas de Ocampo (Diez de Octubre) (Figure 5) has a power grid, telephone service, stores and restaurants.**

**Figure 5. Town of San Lucas de Ocampo.**

**Recruiting a workforce should not be an issue. San Lucas de Ocampo has about 3,000 residents. Many people are anxious to work. More people live at several ranches and small towns between the Property and the state capital of Durango,**

**which is only about an hour's drive away.**

**Allocation of surface waters is restricted in the area (Rodriguez). However, sufficient water for exploration needs should be available through the community. Subsurface waters for production needs are available for application. The town has two water wells which have always met all of the needs and would be a source for exploration needs. According to local sources, they are about 200 meters deep with the water table about 150 meters deep. The Property had previously had reverse circulation drilling by Minera Montana. All of their holes and two of the company's recent holes encountered water, suggesting the water level is shallower in the immediate project area.**

### *Infrastructure*

**Paved Federal Highway No. 45 (Figure 4) leads directly from Durango to San Lucas and the Project.**

**There is a commercial airport and rail service in Durango.**

**There is electrical power to the town of San Lucas de Ocampo, but capacity and usage is unknown at this time.**

### *Physiography*

**The Property is located in the Sierra Madre Occidental physiographic province of the Llanuras Altas (High Plains) physiographic subprovince. Basin and Range structures generally trend NNW.**

**Elevations on the property average about 1,900 m. with a range of about 200 m. The area is characterized by large alluvial terraces dissected by small streams with small ridges and relatively low mountains. There is abundant land physically suitable to be potential tailing storage, waste disposal, leach pad and processing plant site areas (Figures 5, 8, 11, 26 and 39 give a feeling for the terrain close to the prominent outcrops of the Gold Trend).**

**Vegetation on the property is typical desert scrub (Figure 5) and never causes a problem for walking.**

**There are no other significant factors or risks that may affect access, title or right or ability to perform work on the property.**

## HISTORY

**Small miners (gambusinos) began working the San Luis area in the 1880s. By the end of the 19th century the miners at the Veta Grande even had an installed concentrator. The chaos of the Mexican revolution brought that mining era to an end.**

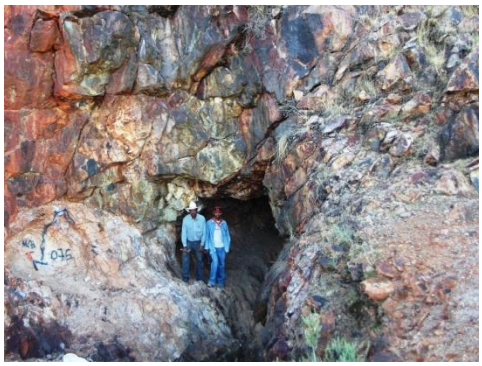


Figure 6. A Historical Mine.

**Mining resumed on a small scale through the 20th century. There reportedly were one company and many individual miners active.**

**The historical production is unknown, but the workings are small (Figure 6) and have caused no known significant environmental issues. There is only oral history of mine ownership and operations. There are no known historical resources or reserves on the Property.**

**The Consejo de Recursos Minerales (1980), Luismin (1991), Echo Bay (1995) and Kobex Resources Ltd. (1997) sampled and mapped the area. There is no known information available from those efforts.**

**Minera Montana acquired the Property, mapped and sampled it and in 2007 drilled 65 reverse circulation (RC) drill holes. Both the mapping and the drilling found 'teaser' results which encourage a company to continue looking, but without giving results of immediate economic interest. The Minera Montana sampling and drill program and the results are discussed in more detail in the sections EXPLORATION, DRILLING AND DATA VERIFICATION and in Appendices I and IV.**

**The Property initially formed part of a portfolio of mineral properties or concessions held by Minera Montana ("Minera Montana") which was acquired by Oremex Resources Inc. ("Oremex") on or about September 28, 2007.**

**Minera Montana was subsequently renamed as Minera Mantos on or about September 4, 2009, which continued as the registered holder of the concessions comprising the Property. The change to the name of Minera Mantos is filed under public instrument No. 4166. Any work conducted or prepared in respect of the Property prior to or about September 28, 2007 was completed by Minera Montana, whereas any work conducted on or prepared in respect of the Property subsequent to such date was prepared by Minera Mantos.**

**Minera Mantos recognized a second potential target on the property herein named the Gold Trend. The Company mapped and sampled the "Gold Trend" in 2009 and 2010. Exploration expenditures by Minera Mantos totaled $263,840 in 2009 and 2010. That work is the subject of the November 10, 2010 Technical Report by the author. Minera Mantos in early 2011 drilled 14 reverse circulation (RC) drill holes on the Gold Trend. That drill campaign is the subject of this technical report.**

**On March 3, 2011, Minera Mantos assigned its interest in the Property to the Mexican subsidiary of the Company, namely Minera Tres Diamantes S. de R.L. de C.V. ("Minera Tres Diamantes") which was incorporated on October 27, 2010 for the purposes of holding the Property, in exchange for a 1.5% net smelter royalty ("NSR") in favor of Minera Mantos.**

## GEOLOGIC SETTING AND MINERALIZATION

**The district geologic map (Figure 7) modified from Servicio Geologico Mexicano maps SAN JUAN DEL RÍO G13-D52 and DONATO GUERRA G13-D62 shows the San Lucas de Ocampo district lies in a NE-trending rupture of the general NNW-trending basin and range pattern.**

**On a district scale, then, the project geology according to that mapping is a simple model of Eocene/Paleocene andesites and breccias overlying Paleozoic to Mesozoic clastic sediments and intruded by Oligocene (?) rhyolites and trachytes.**

**Richards (Richards) quotes K.F. Clark's summary of the regional Durango geology and finds that the San Lucas area fits well within the description of the regional geology:**

“Lithologically, a lower volcanic sequence (LVC), approximately 1 km. thick, predominantly of andesitic composition and Late Cretaceous – Eocene in age, unconformably overlies folded Mesozoic or Paleozoic strata…. Batholiths and high level intrusions are well exposed in the western flank of the Sierra and temporally overlay the andesitic lavas. Predominantly, Oligocene age ash-flow tuffs, about 1 km. thick, form the upper volcanic sequence (UVC) and conceal older terrains in the plateau section. Late Tertiary – Quaternary basalts are widespread.

“Several periods of deformation are evident in both Cryptozoic and Phanerozoic time. Of these, the Mid-Cretaceous – Early Tertiary magmatism, and the 80 – 40 m.y.b.p. Laramide Orogeny events are closely tied in time and space with the processes that formed the bulk of the metallic deposits and governed their distribution.”

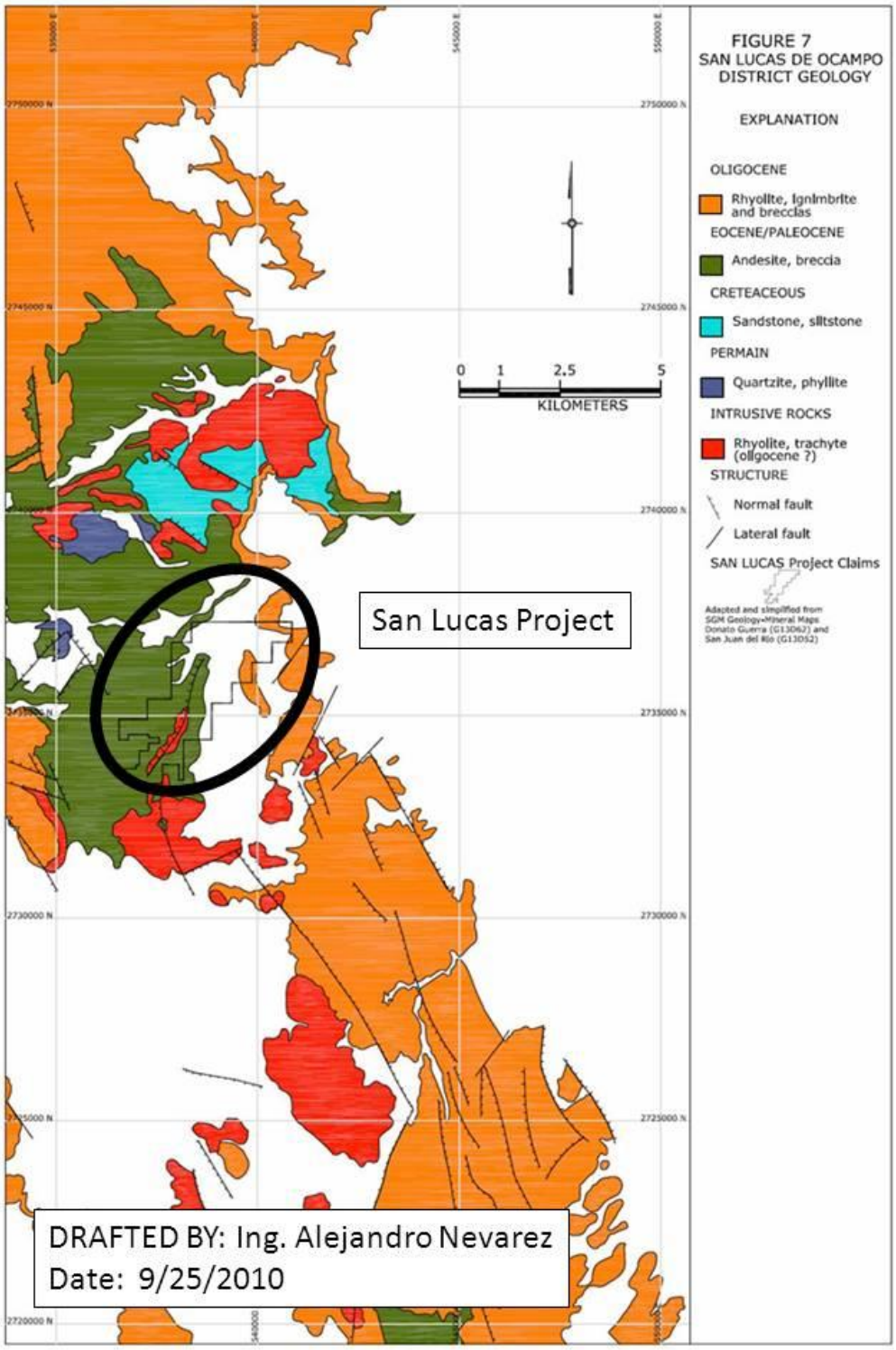



**Figure 7. District Geologic Map**

**Richards (Richards)mapped and sampled a silver-base metal target on adjacent ground. He summarizes:**

"The San Lucas property is mainly underlain by Cretaceous schists, phyllites and limestone with a thin (<200 m) cover of Eocene andesite and rhyolite tuffs and flows (Lower Volcanic Complex) that are together enveloped by Oligocene to Miocene rhyolitic rocks. Vein type mineral deposits in volcanic rocks of the Sierra Madre Occidental are of the low or moderate sulfidation epithermal type. Vein zones generally occur in Eocene Lower Volcanic Complex rocks (LVC) that are windows in rhyolitic rocks of the Upper Volcanic Complex (UVC). Solutions follow and mineralize structures but strong tectonic activity may cause expansion of the mineralized zones into the hanging and footwall of the feeder structures.

"A 3 km long, northeast-trending zone of alteration, brecciation, veining, shattering and mineralization transects the San Lucas property along the Main Shear Zone. The main shear zone and its alteration halo measures up to 100 m. wide over its three km length."

**Potential basement rocks under the Property are Permian phyllites and Cretaceous sandstones and siltstones. Richards described two metasediment outcrop localities close to the current area. The shales are dark, very fine grained and fissile. Phyllites are pale green to greenish gray with crinkled foliation faces. Some andesites have been altered to the same greenish color. Limestone is a pale gray and fairly clean.**

**Richards found a quartz-eye rhyolite overlying the metasediments, probably unconformably. He felt the rhyolite was probably mapped as a dacite by others. In rare localities where it is unaltered, the rhyolite has a pale purple fine grained matrix, up to ten percent feldspar phenocrysts to 5 mm. long, one to five percent and occasionally up to ten percent, 0.5 – 3 mm. quartz eyes which when recognizable as quartz shards are the defining characteristic and rare biotite. Where argillized, the feldspars weather out, leaving a pock marked surface. The biotite is often altered to phlogopite and lesser chlorite. Richards found the rhyolite extremely difficult to tell from the quartz eye andesite when both are argillized. He noted two pebbly beds in the rhyolite with dips of less than 20 degrees.**

**Richards mapped a thin, <20 m., andesite between the meta-sediments and the rhyolite. Quite variable andesites overly the rhyolite. The most common is**

**a purple lapilli, rarely agglomeratic, tuff with dips of less than 30 degrees where bedding is developed. He also mapped a quartz eye andesite, a massive dark gray to purple feldspar porphyritic andesite and crowded andesitic feldspar porphyry which might be an intrusive.**

**Regional tensional structures formed after the LVC, but did not strongly affect the UVC rhyolitic ignimbrites or the capping olivine plateau basalts, which are generally flat lying.**

**The target structure for Richards was the Main Shear Breccia shown on Figure 8 as the Historical Trend of Silver Mineralization which is two to twenty meters wide, exposed for over two kilometers on a NE strike, dips 60 to 85 degrees to the southeast and shows east side down movement. There are several splays. The breccia is weakly to moderately silicified, has quartz veins to 1.5 meters and typically has one to three percent sulfides: pyrite, chalcopyrite and sphalerite. While the focus was silver – base metals, one 0.55 m. sample taken by Luismin assayed 256 ppm Au and 391 ppm Ag.**

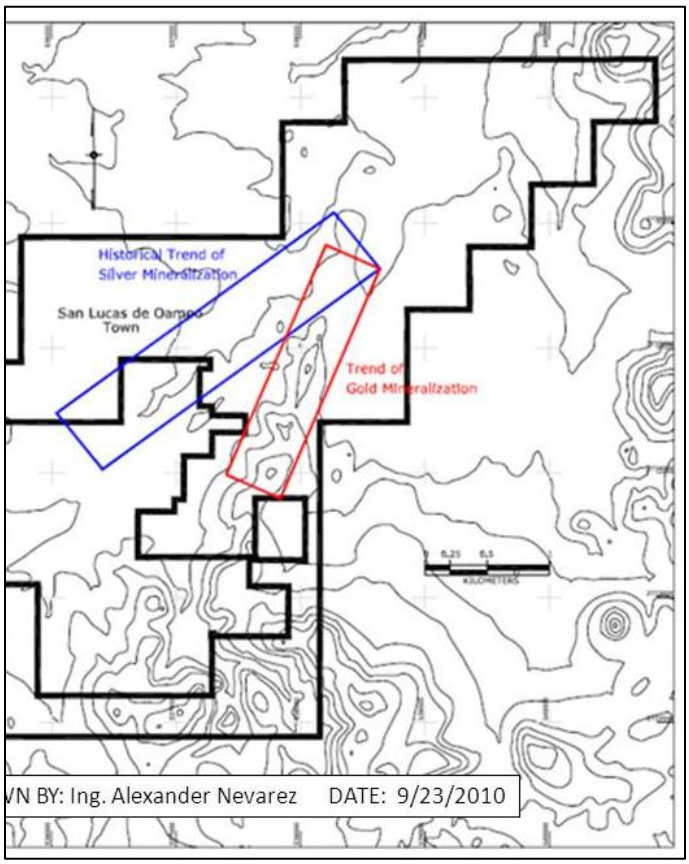



**Figure 8. Mineralization Trends**

**The NNE-trending outcrops define what is named the Trend of Gold Mineralization (Gold Trend) of Figure 8 to clearly distinguish it from the Historical Trend of Silver Mineralization.**

**The Property as mapped by Company consulting geologist Manuel Chaires Sandoval (Figure 9) and as discussed in the 2010 report by Feyerabend shows an axis of strongly linear NNE- and NW- trending outcrops flanked by scattered ovoid outcrops 100 to 200 meters outboard on both the southeast and northwest sides of the principal trend. A variety of andesitic dikes, tuffs and flows; dacite tuffs and flows**

**and rhyolites were mapped. Spot field checking the principal NNE-trend found rhyolites; fine grained, hard**

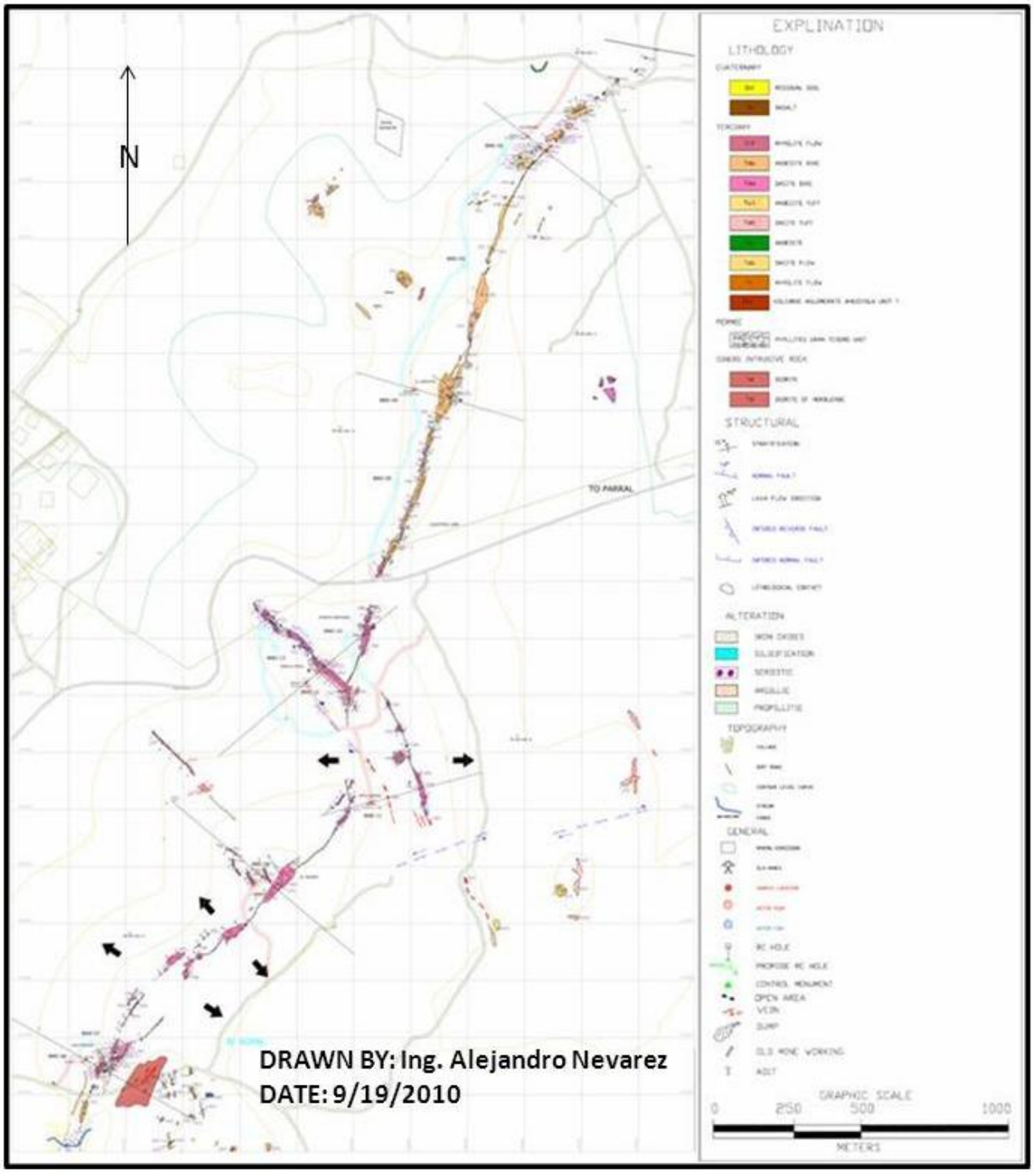



**Figure 9. Geological Map of the Gold Trend**

**rhyodacite; breccias and a rhyodacite with Beta silica alteration making it appear as a rhyolite. The Gold Trend is a structural zone which focused intrusive diking, breccia development, alteration and gold mineralization. It is flanked by andesites.**

**Where mapped, the contacts between rocks are parallel to the major linear trend. In other words, the unit contacts on the Gold Mineralization Trend are NNE-trending. The unit contacts of the NW-trending linear outcrops are NW-trending. The implication is that the contacts are primarily structural. In summary, there are probably at least two principal directions of structural controls on the Property.**

**Both the Gold Mineralization Trend and the NW- trend show splays. Both trends also show offsets and are cut by crosscutting breaks in the outcrop pattern which may be caused by structures or easily eroded breccias.**

**Assays are available for the Property sampling by both Minera Mantos {original assay sheets under name Oremex Resources} and Minera Montana {spread sheet, not as signed original assay sheets} (Appendix I). The 261 Minera Mantos samples were one to four meter channel samples while the 53 Minera Montana samples were chip samples.**

**The Minera Montana sampling focused on the Historic Silver Trend while the Minera Mantos samples focus on outcrops which define the Gold Trend. The high analysis for the Minera Mantos samples was 1.6 ppm Au while the high for the Minera Montana sampling was 5.4 ppm Au.**

**The sampling (Figure 10) shows that anomalous gold is grouped along the NNE-trending axis and on NW-trending cross structures.**

**During the October, 2010 field examination by William Feyerabend, the two kilometer length of the Gold Trend was traversed. Large outcrops 100 to 300 meters to the southeast were checked and twenty three samples were collected (Appendices II and III). Both outcrop and drill cuttings were re-sampled, selective features such as veining and breccias were sampled and a dump tested as a possible QAQC source.**

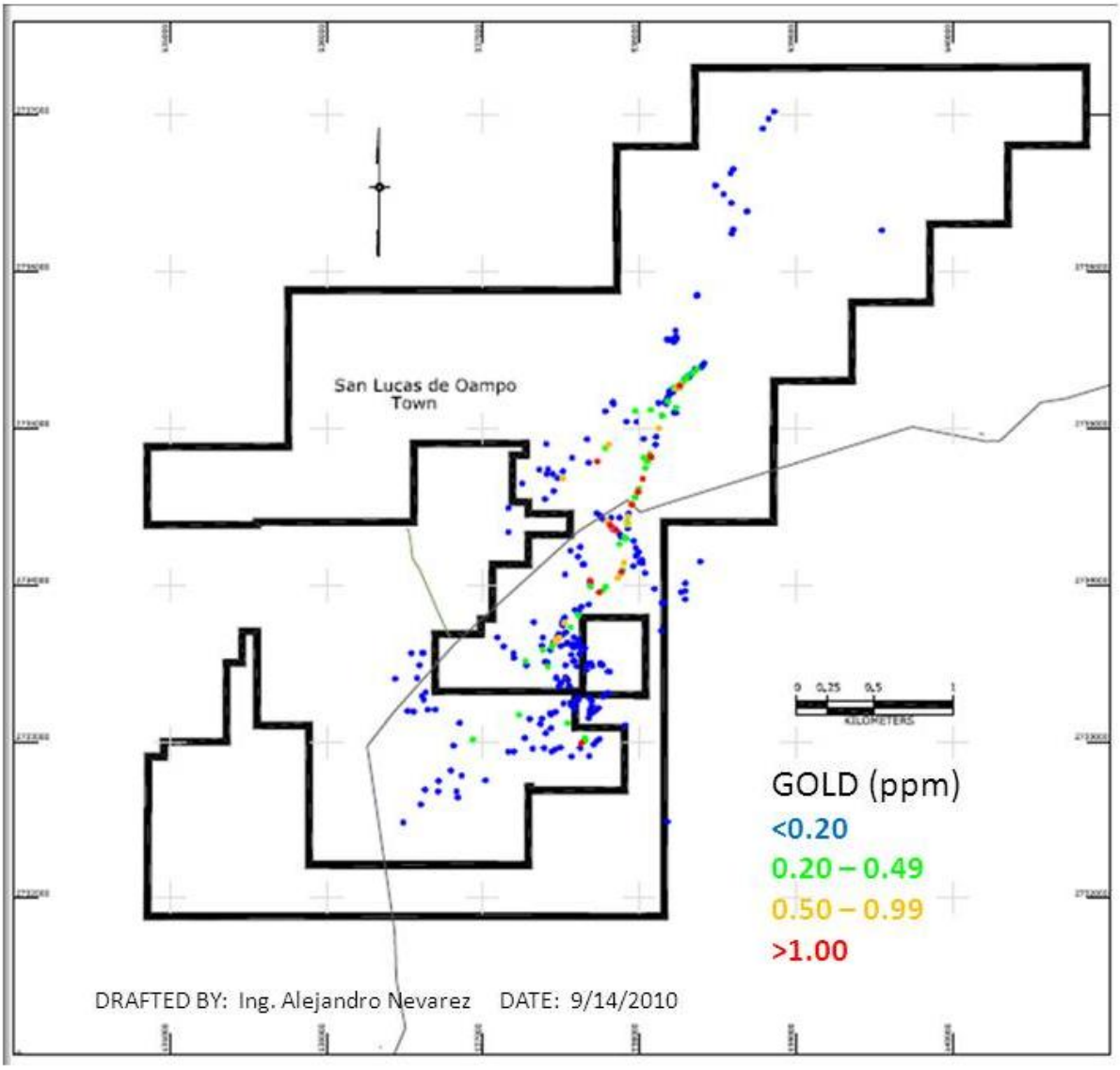



**Figure 10. Surface Sampling Gold Values**

Figure 11. View Across Pediment

**The field-identifiable rocks on the Gold Trend traverse were rhyolites, rhyolite or trachyte tuffs and an andesite. It would require detailed mapping to sort out the exact spatial relationships. There are scattered outcrops and sub outcrops of a coarse feldspar+hornblende+/-minor quartz diorite 100 to 300 meters outboard to the southeast of the main trend. Those outcrops and subcrops provide enough control to suggest a pediment (Figure 11). A pediment is defined as a broad flat rock surface of low relief adjacent to a steeper slope in a dry region, e.g. that of a Potential Pediment mountain range often covered with debris (bing.com/Dictionary). The significance of a pediment is that it provides a target area where potential mineralized rock is not deep and often shows itself as scattered outcrops and a coherent pattern of float that is close to its source. Mineralized float on a pediment indicates a target that is not deep. The follow-up to mineralized float could be either trenching or drilling.**

**The Gold Trend is a persistent topographic linear with a scarp of the southeast side – clearly a structurally controlled feature (Figure 12).**

Figure 12. Erosion Resistant Gold Mineralized Dike

**In addition to the map scale cross faulting, there is clear cross-fracturing along the trend (Figure 13) and there are splays and parallel**

Figure 13. Fracturing Within Plane of Structure.

**structures (Figure 14). Splays are an indication of the areas with complex interaction of structural trends. They should be a prime target for drillings.**

**Figure 14. Outcrop of a Splay.** Main structure on the Horizon.

**Several styles of breccias were noted during the traverse (Figures 15, 16 and 17), including bodies with a linear orientation at an oblique angle to the gold trend (Figure 17).**

**Figure 15. Breccia.**

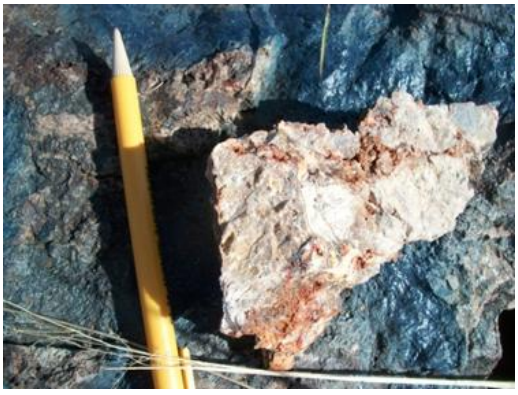


**Figure 16. Breccia.**

**Note that in Figure 17 the hammer approximates the strike of the Gold Trend.**

**Figure 17. Breccia Oriented Oblique to Gold Trend.**

**Various styles of veining (Figures 18 and 19) and silicification (Figures 20 and 21) occur but are not uniformly distributed along the Gold Trend.**

**Figure 18. Silica Veining.**

**Figure 19. Silicification.**

**Figure 20. Silicification.**

**Figure 21. Silicification.**

**There is a section at about 2734000 N with lesser silica and the appearance more of advanced argillic alteration.**

**Float with different style of silica veining was noted on the proposed pediment and further field sampling might generate a hidden target. One piece of pediment float had spots of intense white kaolinitic alteration exactly like that close to gold mineralization in the area of Sahuaripa in the Sierra Madre of Mexico.**

**There is persistent alteration throughout the 4 km. target length of the Gold Trend. However, the alteration is not of uniform intensity. The most common is white to light gray cryptocrystalline to sugary silica with trace to weak limonite which grades laterally to a section of advanced argillic alteration at about 273,400N. There are later hydrothermal features superimposed on that broad pattern. There are clear silica veinlets in the advanced argillic alteration. Coarser granular silica features, veins and patches are common in**

**the sugary silica and those have moderate to strong limonite. There also are quartz veins and breccias developed within the sugary silica zone. One breccia contained silicified fragments with 5% pyrite.**

**Interestingly, subsampling of those veins, patches and breccias within the larger Company channel samples did not give significantly better results. Samples 886424 of leached, granular vein silica, sample 886428 of a quartz vein and sample 886429 of a breccia containing angular clasts of silicified rock with 5% pyrite assayed respectively 0.42, 0.359 and 0.794 ppm Au. Those values are within the expected range from the Company channel samples and do not justify the field work to further fine tune drill hole azimuths to target.**

**The author used locally available blank and mineralized material for a QAQC program on the exploratory round of drilling on a project in Chile. That program went a long way towards easing any doubts about the drill assays and the results were acceptable for later resource calculation because of that program.**

**Samples 886430 through 886435 were taken to encourage the project geologist to think along those lines. Samples 886430 through 886433 were collected from different parts of the largest dump on the project and assayed 0.354, 0.404, 0.162 and 0.123 ppm Au. Interestingly, sample 886435 was taken from a rhyodacite at the extreme north end where previous samples came back with very low background values of gold. That sample assayed 0.235 ppm Au, which warrants follow-up. The plateau basalts can always be used as a blank if need be.**

**Richards noted that the historical silver trend and the Gold Trend have fundamentally different characteristics. The silver trend is characterized by brecciation with common fragments of basement metasediments and a mineral assemblage of pyrite, free gold, argentite, argentiferous galena and sphalerite. Comparing the fifteen outcrop samples taken from the Gold Trend with the eight drill samples from the oblique silver trend shows how different they are geochemically (Table 2).**

**The Gold Trend and the historical silver trend, then, are spatially, descriptively and geochemical distinctly different.**

| Element | Avg. Gold Trend | Avg. Silver Trend |
|---|---|---|
| Au ppm | 0.56 | 0.05 |
| Ag ppm | 26 | 213 |
| Ba ppm | 797 | 65 |
| Ca % | 0.04 | 1.36 |
| Cd ppm | 0.01 | 38 |
| Co ppm | 1.4 | 12.1 |
| Cu ppm | 150 | 442 |
| La ppm | 0.5 | 12.2 |
| Mg % | 0.003 | 0.52 |
| Mn ppm | 64 | 1165 |
| Pb ppm | 484 | 3264 |
| S % | 0.56 | 2.6 |
| Zn ppm | 42 | 3675 |

**Table 2. Gold Trend vs. Historical Silver Trend Geochemistry**

**In summary, outcrop exposures cover +80% of 4 kilometers of the Gold Trend (Figure 9). That rivals the recoveries in the ore zones from many drill holes used for ore reserve calculations. While the flanking rocks are poorly exposed, there is sufficient outcrop control to reach conclusions about the Gold Trend geology. The flanking rocks are Tertiary volcanic andesites, etc. into which a rhyodacite dike has been intruded along a linear structure. Dike widths in outcrop are typically +10 meters. There are structural complications such as splays and cross structures in that system. Creating an orebody requires a complicated and dynamic system. The structural complications show that San Lucas is complicated. The various styles of brecciation, silicification and quartz veining show that San Lucas is complicated. The variable intensities of alterations show that San Lucas is complicated and mimic the variability and scale that should be expected from an epithermal mineralizing system generating economic mineral deposits. Anomalous gold analyses from about 2 kilometers of the Gold Trend (Figure 10) show gold mineralization on a potentially economic scale.**

## DEPOSIT TYPES

### The principal characteristics noted from the field exam were:

- On a regional scale, the district is located on a NE-trending break or "knot" in the regional NNW-trending grain of the geology. That implies a major and deep seated discontinuity which could focus both deep-seated intrusive activity and the fluid flows over a large period of geologic time.
- Also on a regional scale, the widespread volcanic rocks from Paleocene to Recent which range compositionally from basalts to rhyolites imply a deep seated and long long-lasting pathway for magmas, heat and fluid flow.
- On a property scale, there is a complex NNE-trending structural zone exposed for over four kilometers with splays, parallel structures and NW-trending cross structures. The internal structural details within that zone are even more complicated.
- That structural trend focuses rhyodacite rocks interpreted as dikes, multi-generations of breccias, alteration and gold mineralization. It defines the Gold Trend of this report.
- There is alteration along the entire exposed length of the Gold Trend. The alteration visually varies from advanced argillic alteration to silicification. The more intense silicification is in coherent zones hundreds of meters long and probably represents zones of more intense fluid flow.
- There are multiple styles of silicification and multiple types of breccias along the Gold Trend, suggesting a strong and evolving hydrothermal system.
- Sampling shows anomalous to ore grade gold values in outcrop.
- There is evidence of a pediment with alteration and possible mineralization under shallow overburden..
- The Gold Trend explored herein is geochemically very distinct from the oblique historical silver trend on which previous exploration focused.

**The appropriate model to apply to the outcrop evidence is of an epithermal gold-silver mineralizing system. The principal rule applying to those systems is that complexity is good and the Property shows complex structure, alteration and brecciation.**

**One characteristic of those deposits is that bonanzas can underlie less inspiring surface outcrops. Examples from the author's personal experience of high grade mineralization underlying assays of very marginal interest are Oatman, Arizona; Midas, Nevada; Guanajuato, Mexico and Paguanta, Chile.**

**In summary, the target at San Lucas is an epithermal economic to bonanza grade gold-silver deposit. There is the potential for bonanza shoots on single structures and potential for complex structural zones which can be mined in bulk. A great unknown here is the Mesozoic basement (which may be relatively close to the surface in places). Those rocks elsewhere are known to**

**have been folded and faulted during the Laramide orogeny and are a host for much mineralization such as the large and nearby El Castillo del Oro deposit of Argonaut Gold. They are a potential host for bulk tonnage mineralization.**

**The model of a structurally controlled epithermal mineralization can be used at San Lucas to target drilling along the recognized, mapped and sampled dike/structure complex. The target is either gold-silver mineralization controlled by that dike/structure system or bulk tonnage mineralization in the sedimentary rocks underlying the Tertiary volcanic rocks. Either model can be explored for by drilling the dike/structure complex on roughly equal drill spacing. A drill hole spacing of approximately 100 to 150 meters along the dike/structure should intersect typical bonanza grade ore shoots and is guaranteed to find any bulk tonnage deposit at depth.**

## EXPLORATION

**The Property was mapped and sampled by Minera Mantos consulting geologist Manuel Chaires Sandoval. Because of the excellent exposure (about 80% outcrop over 4 kilometers), the Gold Trend could be relatively rapidly mapped, sampled and evaluated over its extent. The outcrops were mapped using a hand held GPS to outline the outcrops. A surveyor was brought in to provide tighter control at key locations. The resulting geologic map is an excellent representation of the outcrop geology. Samples were collected by hand using a plastic sheet to capture as many fines as possible. Samples were marked by spray paint, aluminum tag and flagging.**

**A total of 266 outcrop samples were collected over an area with maximum dimensions of +four kilometers by +one kilometer. Sample data is tabulated in Appendix I and plotted on Figure 10. The coherency of the assay results shown on Figure 10 indicate the sample density is sufficient. That fact that rock alteration and brecciation match the approximately two kilometers of anomalous gold analyses shown on Figure 10 lends credibility to the results.**

**The key geologic characteristics of the Gold Trend shown by the mapping and sampling are the length of the hydrothermal system, structural complexity, variable alteration with the strongest alterations developed on a scale of potential economic interest, the development of brecciation and the**

**widespread occurrence of geochemically anomalous gold analyses. The details are more fully described in the "GEOLOGIC SETTING AND MINERALIZATION" section of this report.**

## DRILLING

**Minera Montana in 2007 drilled 65 RC holes on about 100 m. centers from 124 to 212 m. deep and totaling 3039 m., mostly testing the Main Shear Breccia (Historic Silver Trend). Only the most basic information has survived from that drill campaign.**

**Minera Mantos drilled fourteen (14) RC holes totaling 8510 feet in early 2011 which are the focus of this report. This drilling tested the separate Gold Trend. Drill hole spacing ranged from approximately 100 m. to 350 m. and each hole had a specific target.**

**All drill hole collar data for the two companies is tabulated in Appendix IV and plotted on Figure 22. See INTERPRETATION AND CONCLUSIONS section and Figure 40 for discussion of drill hole assays and conclusions.**

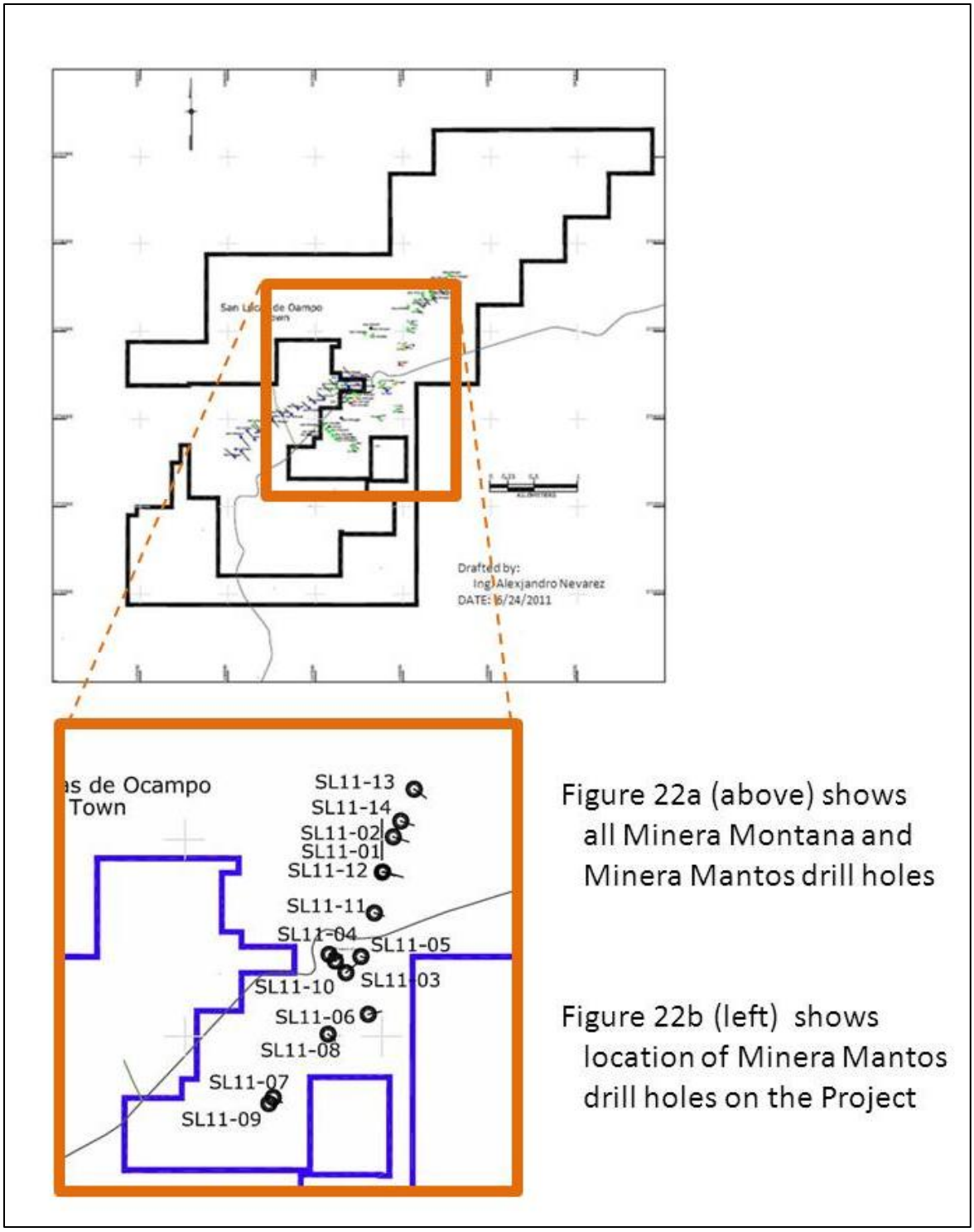



**Figure 22. Drill Hole Location Map. Figure 22a Shows the Location of All Minera Montana and Minera Mantos Drill Holes. Figure 22b Shows the Detailed Location of Minera Mantos Drill Holes Within the Project.**

**For RC drill sampling, Minera Montana used a Jones riffle splitter on dry material and a cyclone splitter on wet material to obtain a 10 kg. sample. They**

**used a two meter sample interval. Minera Montana used ALS Chemex in Durango for assays.**

**Minera Mantos used a Jones riffle splitter on dry material and a cyclone splitter on wet material. The sample was halved with half for storage and half for shipment direct to the SGS sample prep lab in Durango.**

**The drilling methodology of Minera Mantos was reviewed in detail for this report and is herein described.**

**Drill holes were planned according to the mapped geology and surface sample assays shown on Figs. 10. A section was drafted for each drill hole (Appendix VI) initially showing the surface geology and the projected target. The sections have been updated with assays as they were received. The target was also documented on a filed photo (Figure 23).**

**Figure 23. Documentation Photo for Drill Hole Planning.**

**Road and pads were constructed with a D-6 contracted locally. When the pad was completed, the hole collar location and alignment guides were flagged as per industry standard procedures using a Brunton compass. At the time of the field exam, there was some flagging still present to show the technique used (Figure 24).**

**Figure 24. Blue Flagging Marks Alignment for Drill.**

**Drill holes coordinates were recorded from a handheld GPS.**

**The reverse circulation drilling was by Lang de Mexico ("Lang") based in Hermosillo. After the drill was located and inclination set, the azimuth and inclination were checked again by the geologist using a Brunton compass.**

**Samples were split at the drill. In dry ground a Jones riffle splitter was used and a rotary wet splitter was used on the rare wet samples. The Company used normal industry practices for splitting, bagging and logging on site (Figs. 25 and 26). One half of the split sample was saved for storage at the San Lucas office and half taken directly by truck to the ALS Chemex sample prep facility in Durango when the hole was complete.**

**Figure 25. Sample splitting.**

**Three Mexican national consulting geologists field managed the drilling: Manuel Chaires Sandoval, Nestor Barba Aguilera and Maria Guadalupe Garcia Villa. A rotating schedule allowed two of the three to be present and cross-check each other's calls.**

**Figure 26. Logging trays.**

**The paper log sheets (Figure 27) include fields for Lithology (graphic and rock code), Color, Grain (size and texture – porphyritic or aphanitic), Breccia (hydrothermal, lithologic or tectonic), Alteration with intensity of 1 to 3 (silicification, argillization, propyllitic and phyllic), Veins (quartz and other), Oxidation (hematite, goethite and jarosite) from 1 to 3 with fracture-controlled or pervasive noted, Sulfide percent (galena, zinc, pyrite or other), Magnetic (yes or no) and a verbal description.**

**Figure 27. Paper Field Log Sheets.**

**Upon completion of the hole, Lang ran a REFLEX EZ-SHOT down hole survey. The survey sheets contain fields for Drill Hole Ref-, Date, Time, Hole Depth, Pulled Back, Surveyed by -, Azimuth, Incl/Dip, Temp, Roll (tool face) relative to dip, Magnetic field and Wedge Information. The sheets completed by Lang are stored in a 3-ring binder with the other drill information (Figure 28).**

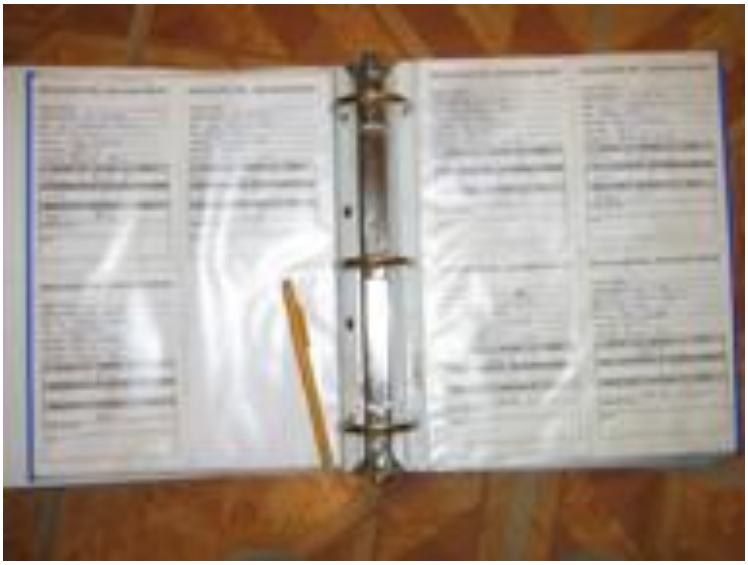


**Figure 28. REFLEX EZ-SHOT Down Hole Survey Shot Logs.**

**Sample transmittal sheets are also stored in the binders (Figure 29).**

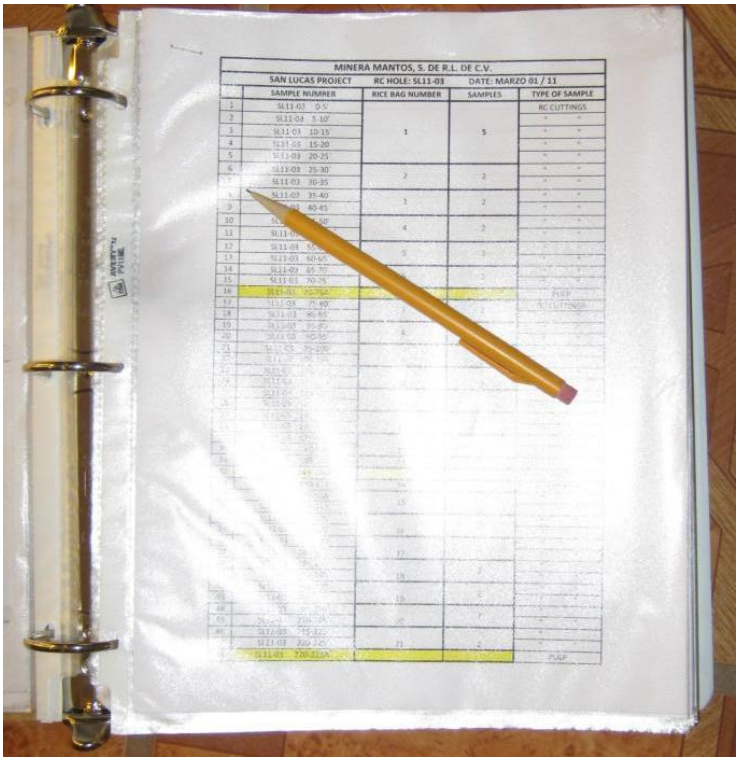



**Figure 29. Sample Transmittal Sheets**

**Upon completion and movement of sample bags to storage or the laboratory, the platforms were cleaned of trash (Figure 30) and the hole temporarily capped with PVC pipe (Figure 31). The Company states that the holes will be permanently capped with metal pipe and concrete plug. Rather than reclaim the roads, The Company feels the local owners will prefer that the company pay small 'damages' and leave the roads for their future use.**

**Figure 30. Clean Drill Pad.**

**Figure 31. Drill Hole with Temporary Cap.**

**Minera Mantos followed industry standard practices and there are no known drilling, sampling, or recovery factors which could materially impact the accuracy and reliability of the results.**

**For William Feyerabend's November 10, 2010 report, four Minera Montana reverse circulation (RC) drill holes were deemed to be of interest. The holes are located at the north end of the Gold Trend where the Historic Trend of Silver Mineralization crossed it (see Figure 8). The holes have short intervals with gold and silver values of interest. Appendix VI documents the resampling effort and the results are discussed in this report's section DATA VERIFICATION section. Because those drill holes were on the known and different trend of silver-dominant mineralization while the commodity focus**

**of the current effort is gold, those four drill holes were not considered to be of critical importance to the current review.**

**During the general review for this report, three additional Minera Montana drill holes were found which contain very questionable but potentially significant gold assays . (Figure 33 and Appendix VII). Holes 07-57, 07-60 and 07-64 have extremely high and suspicious gold assays. Some of the reasons they are suspicious are single extreme assays surrounded by gold below the detection limit and with little to no support from silver and other trace elements as well as the repetition of the exact assay of 342.85 ppm Au.**

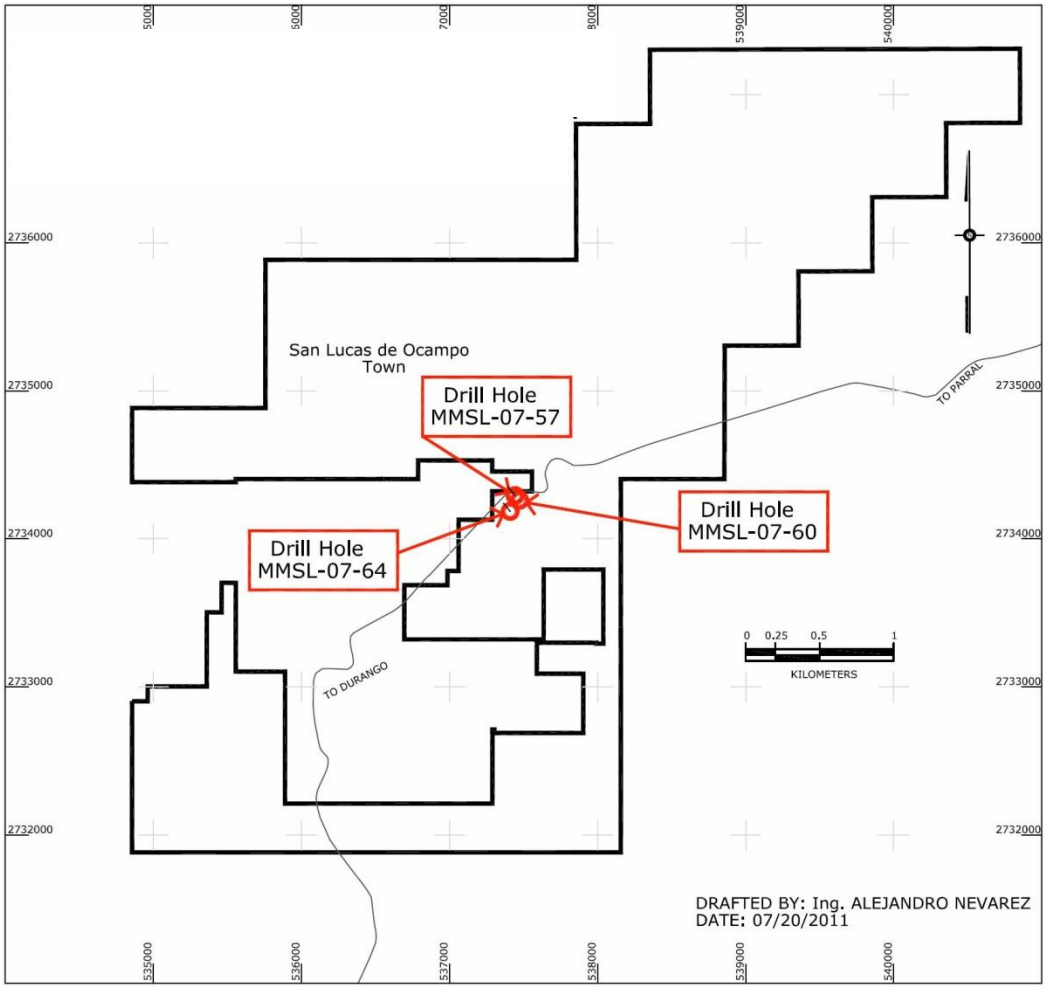



**Figure 32. Location of Minera Montana Drill Holes with Extremely High Gold Assays**

**At this time there has been no known historical effort to confirm those suspicious assays. If confirmed, there is insufficient information at this time for a reasonable estimate of mineral orientation and true thickness. However, if significant gold of hydrothermal origin can be proven from the sample splits in storage, those holes could provide the direct justification to move into Phase II drilling.**

**The Minera Mantos outcrop and 2011 drill hole data have been assimilated to create drill hole sections in Appendix V from which true thicknesses of mineral intercepts can be reasonably estimated. The accepted assays for the 2011 Minera Montana drill campaign are tabulated in Appendix VIII. For ease of interpretation, those assays results have been distilled into a much simpler tabulation of significant assay intervals. Significant assay intervals, defined here as a minimum of ten feet of >0.5 ppm Au or >15 ppm Ag, are reported in Table 3.**

| Drill Hole | Total Depth (ft.) | Significant Intercept (>=10 ft. of >0.5 ppm Au or > 15 ppm Ag) |
|---|---|---|
| SL11-01 | 680 | 290 -330 ft. 0.79 ppm Au, 12.0 ppm Ag |
| SL11-02 | 645 | None |
| SL11-03 | 550 | 95 - 120 ft. 0.04 ppm Au, 17.3 ppm Ag |
| SL11-04 | 455 | 205 - 215 ft. 0.06 ppm Au, 20.8 ppm Ag |
| | | 285 - 295 ft. 0.05 ppm Au, 90.8 ppm Ag |
| SL11-05 | 445 | 285 - 305 ft. 0.71 ppm Au, 6.75 ppm Ag |
| SL11-06 | 640 | 240 - 250 ft. 0.05 ppm Au, 20.6 ppm Ag |
| | | 370 - 385 ft. 0.16 ppm Au, 46.7 ppm Ag |
| SL11-07 | 660 | 240 - 250 ft. 0.06 ppm Au, 19.3 ppm Ag |
| SL11-08 | 625 | 220 - 230 ft. 0.02 ppm Au, 23.8 ppm Ag |
| SL11-09 | 600 | None |
| SL11-10 | 445 | None |
| SL11-11 | 500 | 165 - 240 ft. 0.784 ppm Au, 12.7 ppm Ag |
| SL11-12 | 850 | None |
| SL11-13 | 730 | 135 - 145 ft. 0.07 ppm Au, 26.7 ppm Ag |
| | | 240 - 250 ft. 0.67 ppm Au, 1.6 ppm Ag |
| | | 365 - 375 ft. 0.06 ppm Au, 45.6 ppm Ag |
| | | 640 - 655 ft. 0.19 ppm Au, 38.0 ppm Ag |
| | | 680 - 705 ft. 0.08 ppm Au, 26.5 ppm Ag |
| SL11-14 | 680 | 195 - 205 ft. 0.09 ppm Au, 40.2 ppm Ag |

**Table 3. Minera Mantos Significant Drill Hole Assay Intervals**

**Within the significant intervals, there are no strongly skewed very high gold assays that require a separate explanation and interpretation. The ratio of sample length to significant interval length is typically 5 ft. sample to 10 – 30 ft. significant interval length except for the 75 ft. interval in SL11-11. Those ratios are common in gold exploration.**

## SAMPLE PREPARATION, ANALYSES AND SECURITY

**While the 2007 Minera Montana drilling was completed prior to the acquisition of Minera Montana by Oremex and all the individuals involved have gone on to other endeavors, what is known of their sample preparation, analysis and security will be discussed because the results do play a part in the current evaluation.**

**For RC drill sampling, Minera Montana used a Jones riffle splitter on dry material and a cyclone splitter on wet material to obtain a 10 kg. sample. They used a two meter sample interval. Nothing is known of their onsite procedures. They used the ALS Chemex facility in Durango for assays.**

**Minera Montana appears to have run a duplicate analysis after each 10 or 20 samples, depending upon the drill hole. All duplicate samples from the holes in the area of interest were below detection limit except for one sample near the base of hole MMSL-46. The analyses from the sample labeled "d" and samples above and below certainly give pause considering the silver results:**

| Sample Designation | Au ppb | Ag ppm |
|---|---|---|
| MMSL 03-07 46 M80 158'-160' | <34 | 117.9 |
| MMSL 03-07 46 M80 D | <34 | 39.7 |
| MMSL 03-07 46 M8 160'-162' | <34 | 89.8 |

**Table 4. Minera Montana QAQC Results.**

**The author's October, 2010 re-sampling of cuttings from the four Minera Montana reverse circulation holes where the historical silver trend crosses the gold trend (Figure 8 and Appendix VI) shows somewhat comparable trends but also discrepancies, especially with the higher silver values (Table 5). This again shows the need for a QAQC program with any drilling.**

| DRILL HOLE | DEPTH (m) | GOLD (ppm) RE-SAMPLING | GOLD (ppb) ORIGINAL | SILVER (ppm) RE-SAMPLING | SILVER (ppm) ORIGINAL |
|---|---|---|---|---|---|
| MMSL-34 | 92 - 94 m. | 0.035 | 25 | 46 | 69.7 |
| MMSL-34 | 100 - 102 m. | 0.018 | 25 | 112 | 183.6 |
| MMSL-35 | 132 - 134 m. | <0.01 | 45 | 192 | 194.1 |
| MMSL-35 | 134 - 136 m. | 0.19 | 150 | 144 | 148.2 |
| MMSL-45 | 166 - 168 m. | <0.01 | 274 | N.A. | <0.1 |
| MMSL-46 | 96 - 98 m | 0.052 | <34 | 387 | 543.6 |
| MMSL-46 | 98 - 100 m. | 0.074 | 274 | 298 | 367.3 |
| MMSL-46 | 154 - 156 m. | 0.032 | <34 | 527 | 1856.8 |

**Table 5. Comparison of Historical RC Cuttings Original Assays and Re-Sampling Assays.**

**The gold values of the re-sampling and original assays generally compare reasonably, but it is important to note that all values are low and wide divergence would be very surprising at that level. Broadly with silver there is the same comparability of lower silver values below 250 ppm. Above 250 ppm silver the originals and re-samples begin to diverge. The difference between the re-samples and original assays of the highest sample, MMSL-46, are very significant and would warrant diligent followup under current industry normal procedures.**

**While the argument can be made that the differences in the Minera Montana analyses is one of degree and not substance – ie. That high values are still high values. Still it is the author's position that the results show that the Minera Montana quality control program did not meet current industry standards.**

**Samples taken by William Feyerabend in October, 2010 were stored daily in his locked bedroom in the Minera Mantos field office and then delivered directly by him to the SGS Durango laboratory. SGS is a 17025 certified company with laboratories worldwide.**

**The check re-sampling of Minera Mantos reverse circulation drilling for this report involved the author preparing a list of samples and then supervising as the stored half drill samples was pulled (Figure 32) and shipped directly by truck to the Inspectorate sample prep lab in Durango**

**Figure 33. Samples Separated for Shipment to Inspectorate.**

**Minera Montana's 2011 drill campaign, the subject of this report, is better documented. Of each original reverse circulation (RC) sample, one half was saved for storage at the San Lucas office and half taken directly by truck to the ALS Chemex sample prep facility in Durango when the hole was complete. A guard was employed to maintain a presence at the site at all hours when the crew was not present.**

**All laboratories used are independent of the author and the companies involved in Property exploration. SGS Minerales – Durango has been certified by the Standards Council of Canada as meeting the the ISO/IEC 17025-2005 (CAN-P-4E) standards and is recognized as an Accredited Testing Laboratory. Inspectorate America Corp. is certified by AB Quality Evaluations, Inc. to be in compliance with ISO 9001:2000 Guidelines for Quality Management.**

**The standard SGS codes requested for the drill hole samples were sample prep code PRP-89, 32 element assay code ICP 14B, Au assay code FAA 313 and over limits (Ag > 10) code AAS21E.**

**The standard Inspectorate codes requested for the check sampling program was sample prep code SP-RX-2K and for analyses were AU-1AT-AA and Ag-1AT-GV (>10 ppm).**

**In addition to the normal laboratory internal controls, Minera Mantos generated a quality control standard for the 2011 drill ampaign from local material to build confidence in the resulting data. a QAQC standard was crushed, pulped, homogenized, split and packaged by Inspectorate in Durango from 55 kg. collected from an outcrop/prospect site at 2735280 N, 538255 E on the project (Figure 34) known from previous sampling to contain about 1 ppm Au and 90 ppm Ag. The standard analysis through the drill program are tabulated in Table 7 and plotted on Figure 35. Assay busts are color coded and samples in sequences with busts were re-analyzed.**

**Figure 34. Standard Sample Collection Site**

| SAMPLE | Au PPM |
|---|---|
| SL11-01 | 1.212 |
| SL11-01 | 1.225 |
| SL11-01 | 1.216 |
| SL11-01 | 1.196 |
| SL11-01 | 1.187 |
| SL11-01 | 1.219 |
| SL11-01 | 1.226 |
| SL11-01 | 1.207 |
| SL11-01 | 1.199 |
| SL11-02 | 1.189 |
| SL11-02 | 1.211 |
| SL11-02 | 1.168 |
| SL11-02 | 1.181 |
| SL11-02 | 1.176 |
| SL11-02 | 1.148 |
| SL11-02 | 1.18 |
| SL11-02 | 1.18 |
| SL11-03 | 1.168 |
| SL11-03 | 1.183 |
| SL11-03 | 1.154 |
| SL11-03 | 1.165 |
| SL11-03 | 1.153 |
| SL11-03 | 1.236 |
| SL11-03 | 1.193 |
| SL11-04 | 1.172 |
| SL11-04 | 1.217 |
| SL11-04 | 1.144 |
| SL11-04 | 1.231 |
| SL11-04 | 1.22 |
| SL11-04 | 1.203 |
| SL11-05 | 1.193 |
| SL11-05 | 1.188 |
| SL11-05 | 1.157 |
| SL11-05 | 1.193 |
| SL11-05 | 1.205 |
| SL11-06 | 1.229 |

| SAMPLE | Au PPM |
|---|---|
| SL11-06 | 1.193 |
| SL11-06 | 1.214 |
| SL11-06 | 1.179 |
| SL11-06 | 1.23 |
| SL11-06 | 1.183 |
| SL11-06 | 1.212 |
| SL11-06 | 1.198 |
| SL11-07 | 1.192 |
| SL11-07 | 1.185 |
| SL11-07 | 1.183 |
| SL11-07 | 1.176 |
| SL11-07 | 1.183 |
| SL11-07?4 | 1.185 |
| SL11-07?5 | 1.19 |
| SL11-07?5 | 1.167 |
| SL11-08 ? | 1.206 |
| SL11-08 ? | 1.216 |
| SL11-08 | 1.201 |
| SL11-08 | 1.185 |
| SL11-08 | 1.195 |
| SL11-08 | 1.191 |
| SL11-08 | 1.223 |
| SL11-08 | 1.172 |
| SL11-09 | 1.137 |
| SL11-09 | 1.139 |
| SL11-09 | 1.243 |
| SL11-09 | 1.242 |
| SL11-09 | 1.246 |
| SL11-09 | 1.15 |
| SL11-09 | 1.166 |
| SL11-09 | 1.187 |
| SL11-10 | 1.211 |
| SL11-10 | 1.189 |
| SL11-10 | 1.183 |
| SL11-10 | 1.19 |
| SL11-10 | 1.19 |

| SAMPLE | Au PPM |
|---|---|
| SL11-10 | 1.224 |
| SL11-10 | 1.181 |
| SL11-11 ? | 1.169 |
| SL11-11 ? | 1.165 |
| SL11-11 ? | 1.155 |
| SL11-11 ? | 1.205 |
| SL11-11 ? | 1.21 |
| SL11-11 ? | 1.181 |
| SL11-12 ? | 1.185 |
| SL11-12? | 1.162 |
| SL11-12 ? | 1.193 |
| SL11-12 ? | 1.156 |
| SL11-12 ? | 1.193 |
| SL11-12 ? | 1.194 |
| SL11-12 ? | 1.18 |
| SL11-12 ? | 1.155 |
| SL11-12 ? | 1.172 |
| SL11-12 ? | 1.152 |
| SL11-12 ? | 1.166 |
| SL11-13 ? | 1.195 |
| SL11-13 ? | 1.168 |
| SL11-13 ? | 1.169 |
| SL11-13 ? | 1.171 |
| SL11-13 ? | 1.158 |
| SL11-13 ? | 1.183 |
| SL11-13 ? | 1.182 |
| SL11-13 ? | 1.188 |
| SL11-13 ? | 1.18 |
| SL11-14 ? | 1.178 |
| SL11-14 ? | 1.173 |
| SL11-14 ? | 1.159 |
| SL11-14 ? | 1.181 |
| SL11-14 ? | 1.193 |
| SL11-14 ? | 1.18 |
| SL11-14 ? | 1.168 |
| SL11-14 ? | 1.163 |
| SL11-14 ? | 1.158 |

NOTE - Mean = 1.187 ppm Au, color codes assay busts, yellow is low, blue is high

**Table 6. Analyses of Minera Mantos Standard with Assay Busts Color Coded.**

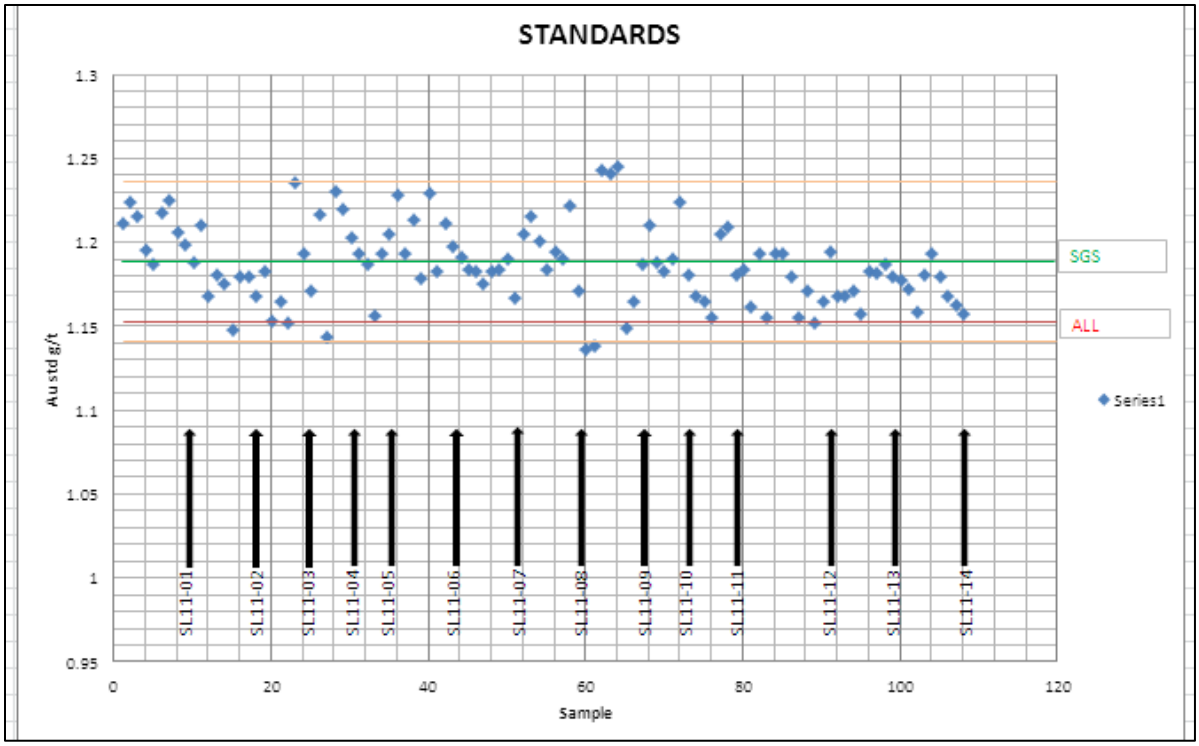
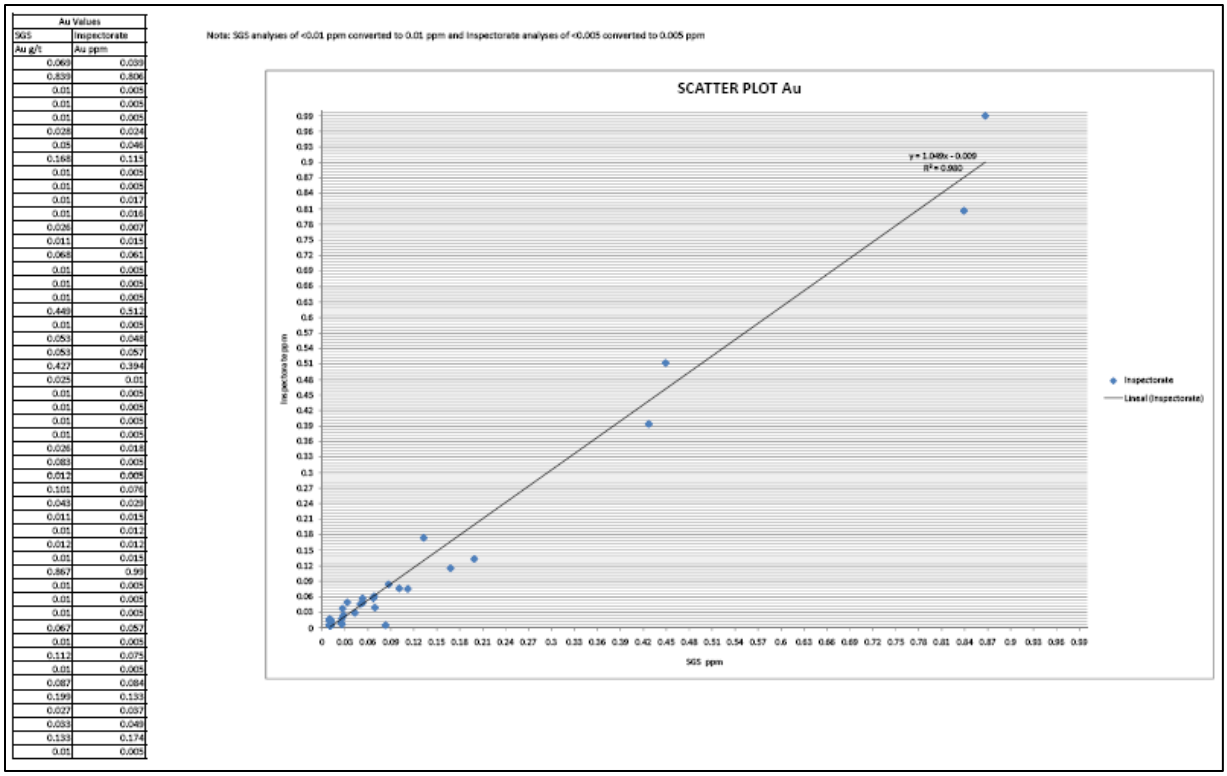



**Figure 35. Plot of Gold Analyses of Minera Mantos Standard Sample**

**For his check sampling, the author chose to use Inspectorate for a completely independent check of sample prep and analyses. The Inspectorate sample preparation sequence is to organize the submitted samples in sequence, log them in, dry the samples in steel pans at 100°C for 8-10 hours, crush in a jaw crusher to 70% -10 mesh, check crush quality, split a 250 g. subsample in a Riffle Jones Splitter, pulverize to 95% -150 mesh, check pulverize quality and split to a 100 g. sample for analysis.**

**The Inspectorate analyses are tabulated in Appendix IX.**

**Plotting the SGS analyses vs. the Inspectorate analysis (Figures 36 and 37) shows excellent agreement between the two labs. $R^2$ for gold was 0.98 and for silver was 0.94.**



| Au Values | |
|---|---|
| SGS | Inspectorate |
| Au g/t | Au ppm |
| 0.069 | 0.099 |
| 0.839 | 0.806 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.028 | 0.024 |
| 0.05 | 0.046 |
| 0.168 | 0.115 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.01 | 0.017 |
| 0.01 | 0.016 |
| 0.026 | 0.007 |
| 0.011 | 0.015 |
| 0.068 | 0.061 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.448 | 0.512 |
| 0.01 | 0.005 |
| 0.053 | 0.048 |
| 0.053 | 0.057 |
| 0.427 | 0.394 |
| 0.025 | 0.01 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.026 | 0.018 |
| 0.083 | 0.005 |
| 0.012 | 0.005 |
| 0.105 | 0.076 |
| 0.043 | 0.029 |
| 0.011 | 0.015 |
| 0.01 | 0.012 |
| 0.012 | 0.012 |
| 0.01 | 0.015 |
| 0.867 | 0.99 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.01 | 0.005 |
| 0.067 | 0.057 |
| 0.01 | 0.005 |
| 0.112 | 0.075 |
| 0.01 | 0.005 |
| 0.087 | 0.084 |
| 0.199 | 0.133 |
| 0.027 | 0.037 |
| 0.033 | 0.049 |
| 0.133 | 0.174 |
| 0.01 | 0.005 |



**Figure 36. Regression Analysis of Inspectorate vs. SGS Gold Analyses.**

| Ag Values | |
|---|---|
| SGS | Inspectorate |
| Ag ppm | Ag ppm |
| 3.00 | 2.60 |
| 12.50 | 8.50 |
| 2.00 | 0.30 |
| 2.00 | 0.10 |
| 2.00 | 0.10 |
| 3.00 | 0.70 |
| 2.00 | 0.50 |
| 56.20 | 44.10 |
| 2.00 | 0.20 |
| 2.00 | 0.20 |
| 2.00 | 0.60 |
| 2.00 | 0.50 |
| 4.00 | 1.20 |
| 4.00 | 1.70 |
| 25.00 | 11.50 |
| 2.00 | 0.30 |
| 2.00 | 0.10 |
| 2.00 | 0.10 |
| 15.30 | 14.00 |
| 2.00 | 0.10 |
| 2.00 | 0.70 |
| 23.80 | 22.30 |
| 8.00 | 3.40 |
| 2.00 | 0.90 |
| 2.00 | 0.10 |
| 2.00 | 0.10 |
| 2.00 | 0.50 |
| 2.00 | 0.10 |
| 35.90 | 32.80 |
| 2.00 | 0.10 |
| 2.00 | 0.10 |
| 8.00 | 4.40 |
| 19.20 | 13.10 |
| 4.00 | 1.30 |
| 2.00 | 0.10 |
| 2.00 | 0.80 |
| 2.00 | 0.50 |
| 9.00 | 5.40 |
| 2.00 | 0.10 |
| 2.00 | 0.30 |
| 2.00 | 0.10 |
| 2.00 | 0.50 |
| 2.00 | 0.10 |
| 36.60 | 43.40 |
| 2.00 | 0.10 |
| 7.00 | 4.00 |
| 16.50 | 11.80 |
| 10.70 | 4.90 |
| 3.00 | 0.90 |
| 2.00 | 0.60 |
| 2.00 | 0.20 |

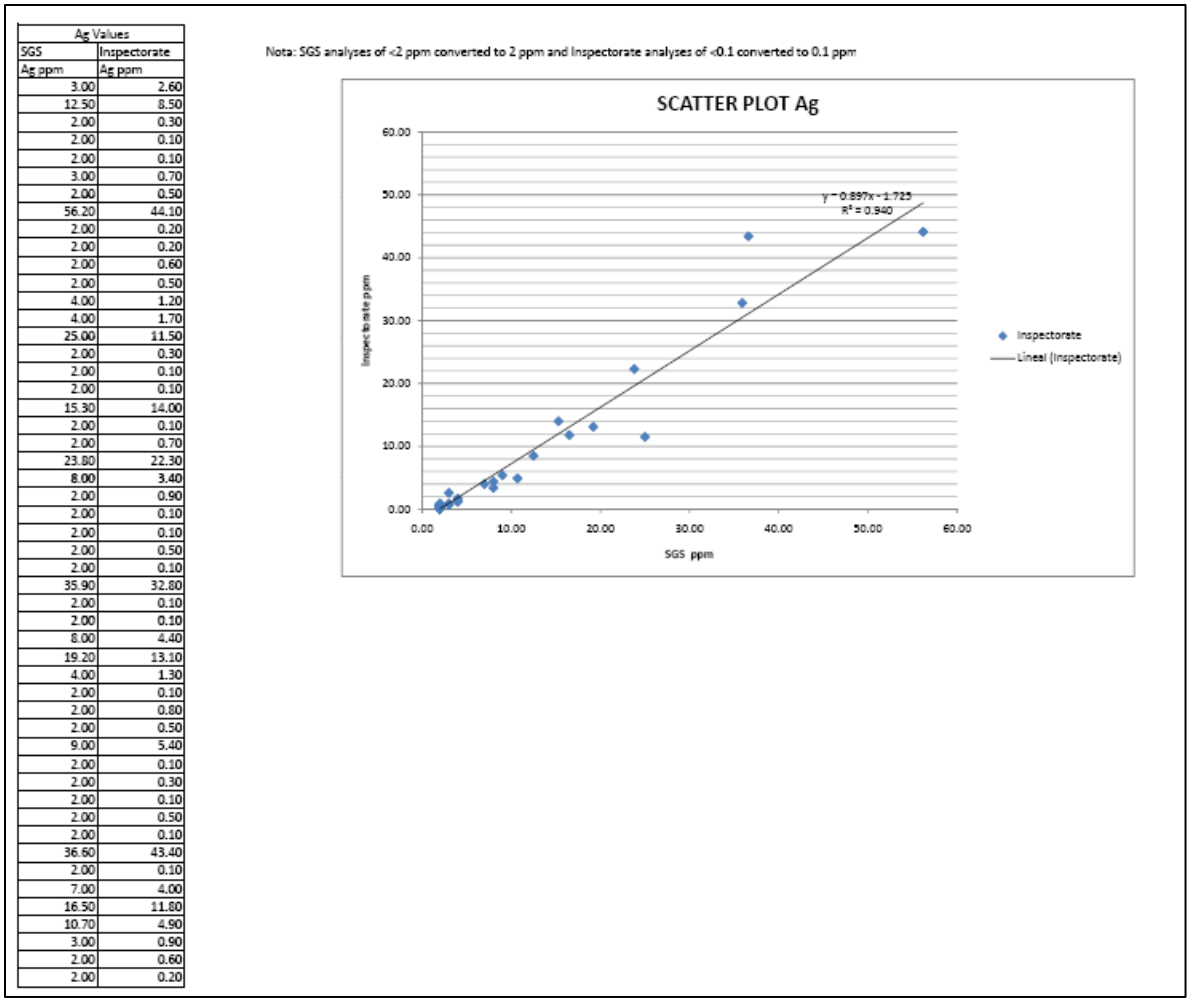



**Figure 37. Regression Analysis of Inspectorate vs. SGS Silver Analysis.**

**During the field examination for this report, the hole collars were also checked for coordinate, azimuth and dip errors. Collar coordinates were checked with both a GARMIN GPS 60 and an ETREX Vista HCx and compared to the planned and recorded coordinates. No mistakes were found (Table 8). Note that errors of up to 25 degrees are common with a PVC pipe inserted into a drill hole because the collar of the hole has been enlarged by multiple entries, reaming as the drill settles and caving. Because of the enlargement, the PVC pipe fits very loosely into the hole and is 'floppy.' The check is useful to show no egregious errors, but cannot be used for exact projections. The original azimuth and inclination field measured by the geologist should be used.**

| Drill Hole | Northing - recorded | Easting - Recorded | Northing - Checked | Easting - Checked | Azimuth - Recorded | Azimuth - Checked | Dip - Recorded | Dip - Checked |
|---|---|---|---|---|---|---|---|---|
| SL11 - 01 | 2 734 837 | 538007 | 2734835 | 538004 | 105 | 106 | -60 | -61 |
| SL11 - 02 | 2 735 013 | 538058 | 2735016 | 538054 | 108 | 130 | -60 | -64 |
| SL11 - 03 | 2 734 323 | 537818 | 2734324 | 537819 | 50 | 54 | -60 | -62 |
| SL11 - 04 | 2 734 417 | 537732 | 2734418 | 537731 | 49 | 52 | -60 | -69 |
| SL11 - 05 | 2 734 406 | 537894 | 2734407 | 537893 | 105 | 120 | -60 | -70 |
| SL11 - 06 | 2 734 113 | 537931 | 2734112 | 537928 | 75 | 72 | -60 | -70 |
| SL11 - 07 | 2733691 | 537727 | 2733692 | 537448 | 120 | 120 | -50 | -75 |
| SL11 - 08 | 2 734 012 | 537727 | 2734014 | 537728 | 133 | 132 | -60 | -75 |
| SL11 - 09 | 2 733660 | 537427 | 2733661 | 537427 | 119 | 101 | -50 | -77 |
| SL11-010 | 2734383 | 537764 | 2734383 | 537760 | 48 | 59 | -60 | -70 |
| SL11-011 | 2 734 627 | 537 962 | 2734630 | 537962 | 107 | 103 | -60 | -71 |
| SL11-012 | 2 734 834 | 538 002 | 2734837 | 538006 | 105 | 107 | -60 | -75 |
| SL11-013 | 2 735 255 | 538 164 | 2735259 | 538162 | 107 | 131 | -60 | -70 |
| SL11-014 | 2 735 093 | 538 096 | 2735097 | 538092 | 109 | 105 | -60 | -77 |

**Table 7. Field Check of Minera Mantos Drill Hole Collar Coordinates, Azimuth and Dip.**

**In reviewing the down hole survey sheets by Lang, it was obvious to the author that azimuth measurements were chaotic at best. Project geologist Manuel Chaires Sandoval stated that the Lang driller was afraid to take measurements outside of the rods for fear of losing the instrument. The driller's process is comparable to using a hand compass inside a car. It is recommended that those measurements be discarded, a better method be arranged for the future in case of mineral discovery and that the azimuth and dip measured by the geologist at the collar be used in the data base.**

**Chips from three holes were reviewed for lithology and alteration logging. The logs correctly identify a volcanic sequence with andesites, dacites and rhyolites, both as flows and co-magmatic dikes. That environment is well known for extreme lateral incontinuities and highly variable crystallinity from the margins to the centers of flows and dikes. Deciphering that from RC chips is virtually impossible. If a discovery is made, core will be needed to sort out the lithologic details. The geologic sections present a very reasonable general picture, but should not at this stage be used in detail. The alteration logging was acceptable as checked.**

**In the author's opinion, the sample preparation, security, and analytical procedures of Minera Mantos meet or exceed industry standards.**

## DATA VERIFICATION

**The Qualified Person's (author's) approach to verification of data in the technical report was to go back as far as possible to original data sites or sources and try to replicate the Company's data. This included walking to field check the Gold Trend, re-sampling outcrops exactly as market as original sample sites, re-checking Company hole collar data, re-sampling drill cuttings and checking geologic loggine. No limitations or obstacles were placed in his way by the Company or its consultants. It is the opinion of this Qualified Person that the procedures of the Company meet or exceed industry standards and that the data as presented by the company represents an honest and unbiased presentation of the project work results.**

## MINERAL PROCESSING AND METALLURGICAL TESTING

**There has been no mineral processing and metallurgical testing of materials from the Property.**

## MINERAL RESOURCE ESTIMATES

**There has been no estimation of mineral resources on the Property.**

## ADJACENT PROPERTIES

**The Property is well located in northern Mexico's "Cinturon del Oro" or "Gold Belt." The historical San Lucas silver/base metal mines are adjacent to the property (Figure 38).**

**The roads at Silver Standard's San Agustin mine about 6 kilometers to the NNE are visible from the Property . Published resources (Gilles Arseneau) are 210 Mt @ 0.39 ppm Au, 12.4 ppm Ag and zinc and lead credits hosted mostly in a dacite dome above Mesozoic rocks and controlled by NE-trending structures. There is pervasive sericitization associated with the deposit which, for example, always replaces biotite books. Hematite and limonite coat fractures and occur as stockwork veinlets. The deposit is open at depth. Dacite domes, although smaller, also occur at San Lucas. Figure 39 is a photo looking NNE from a San Lucas drill road looking straight out across broad yellowish hills**

**which are dacite domes lined up directly on trend with the San Agustin project roads on the horizon.**

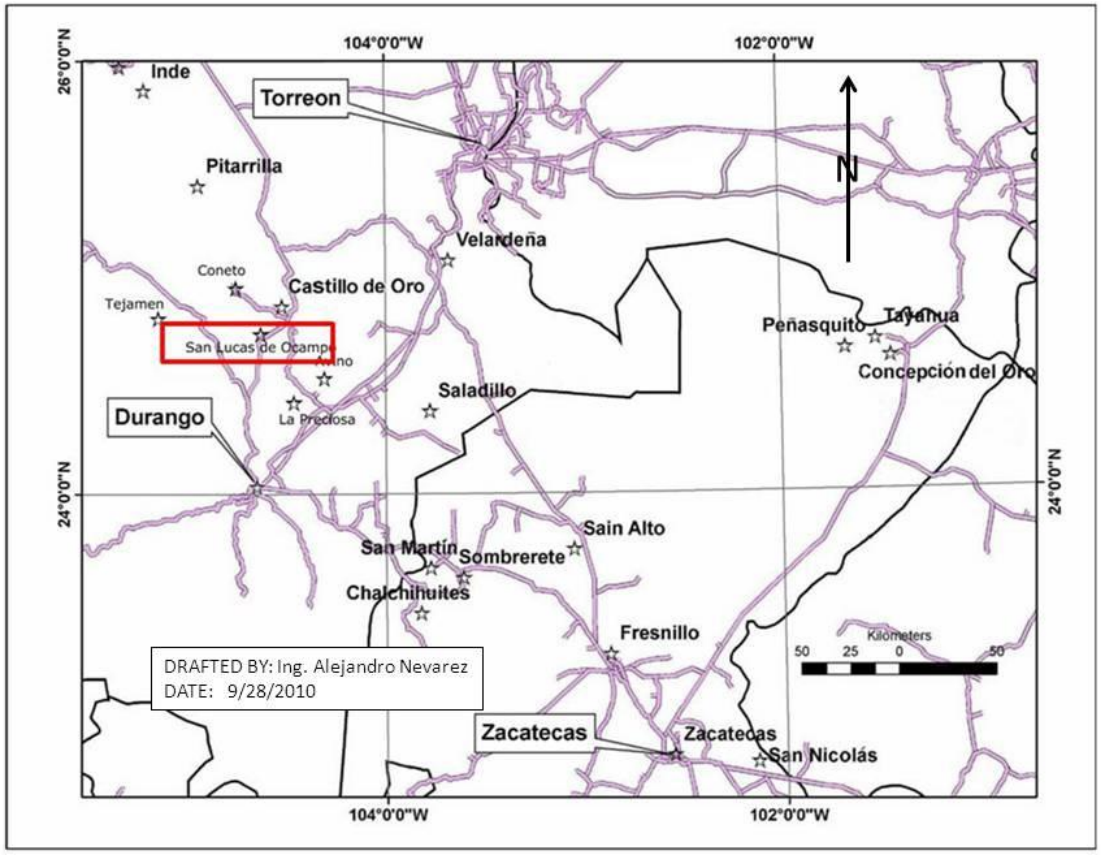



**Figure 38. Adjacent Properties**

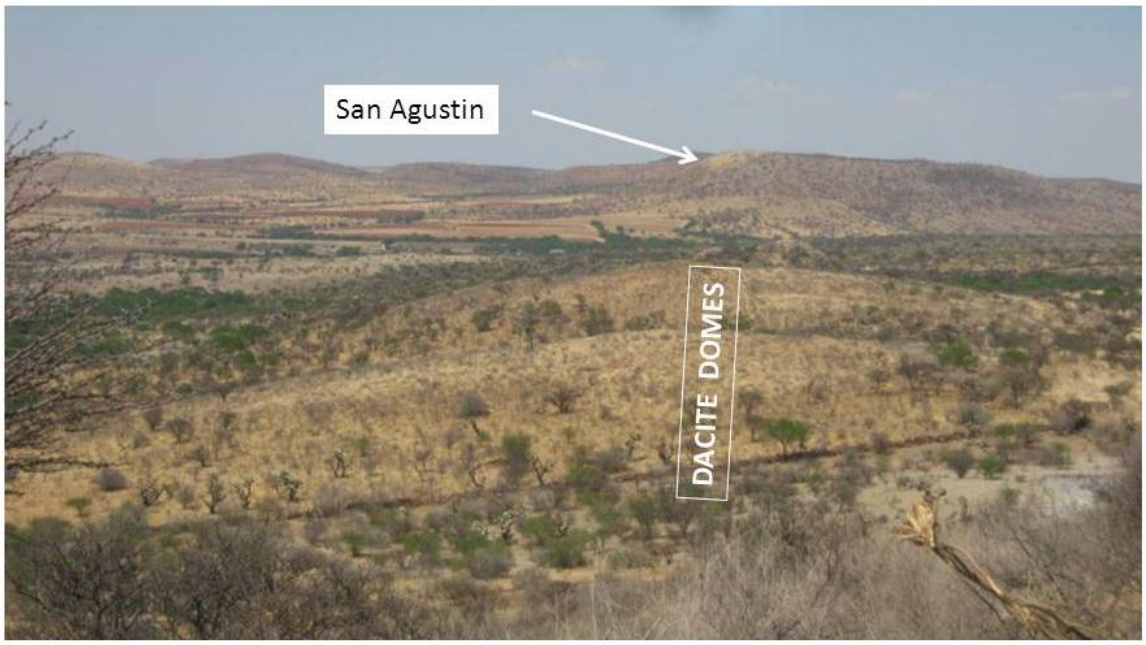



**Figure 39. View from Drill Road Looking NNE Along Alignment of Dacite Domes to San Agustin Project**

**Castle Gold's The Castillo del Oro is about 17 kilometers away to the NNE. The 2008 reserves were 46.8 Mt @ 0.50 ppm Au in Mesozoic sediments intruded by dacite dikes (Daniel C. Leroux et al). Those rocks are a potential target at San Lucas.**

**Pan American is continuing development at the La Preciosa is 40 kilometers to the SSE.**

**Orex is exploring the Coneto property 25 kilometers to the northwest. The Coneto is a historic precious metals camp with production from intermediate sulfidation quartz veins in the lower andesite. A 2009 technical report (Gunning) recommended drilling deeper on those veins.**

**The author has not been able to independently verify the published information on the nearby properties. The information is not necessarily indicative of mineralization on the Property that is the subject of this report.**

## OTHER RELEVANT DATA AND INFORMATION

**There is no additional information known to the author which is relevant to this Technical Report.**

## INTERPRETATION AND CONCLUSIONS

**Figures 40 thru 42 summarize the results of this study for interpretation and conclusions.**

**The 2011 Drill Campaign did not meet the goal of one or two drill hole intersections with some combination of width and grade to be of innate economic interest given the depth. However, the significant intersections (see Table 3 and discussion under 'SAMPLING METHOD AND APPROACH') group rather than occurring randomly. They show the foci of mineralizing fluids which can be used for planning deeper drilling should that decision be made. A longitudinal section is used to illustrate this point.**

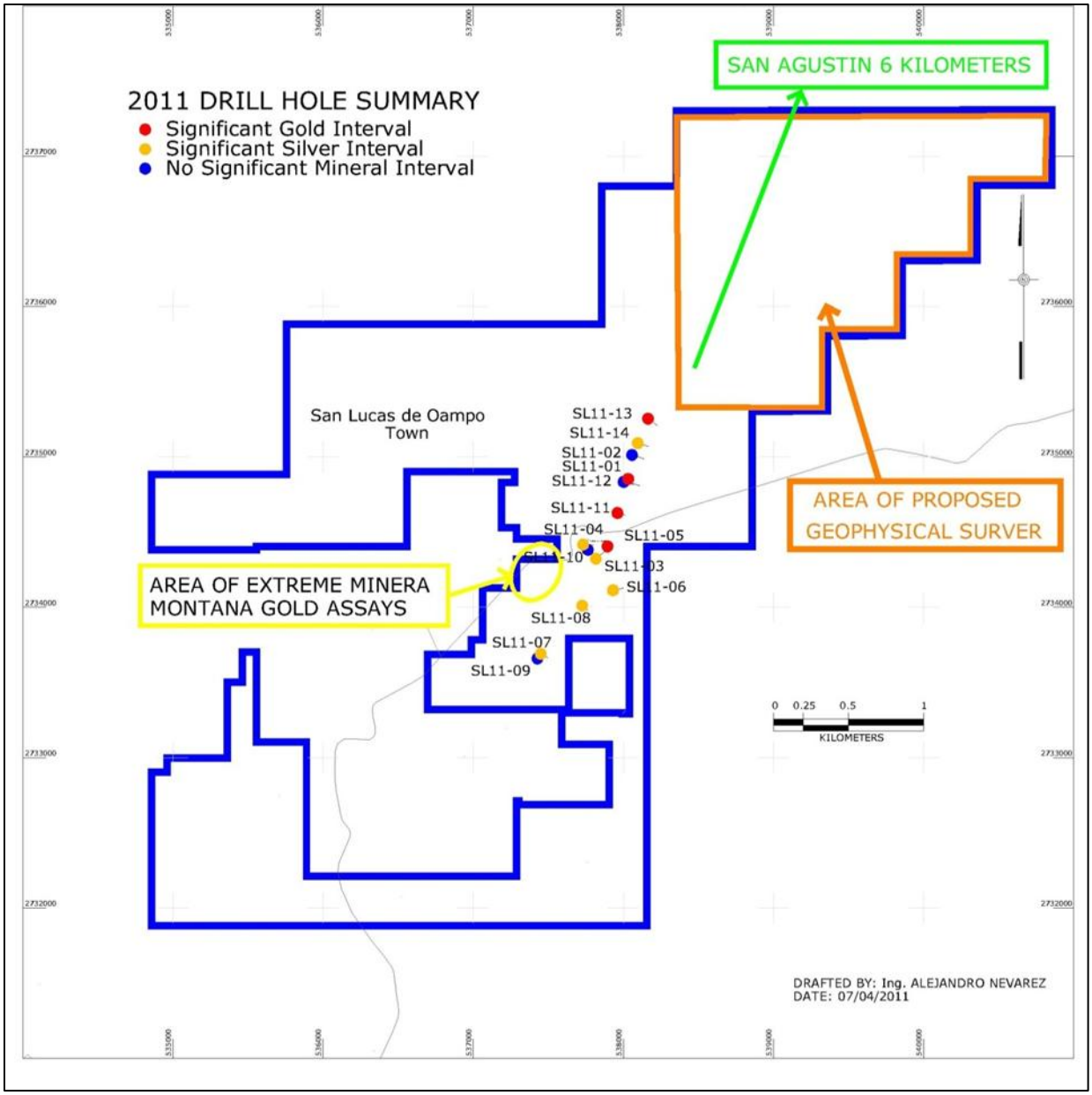



**Figure 40. Map for Results and Conclusions**

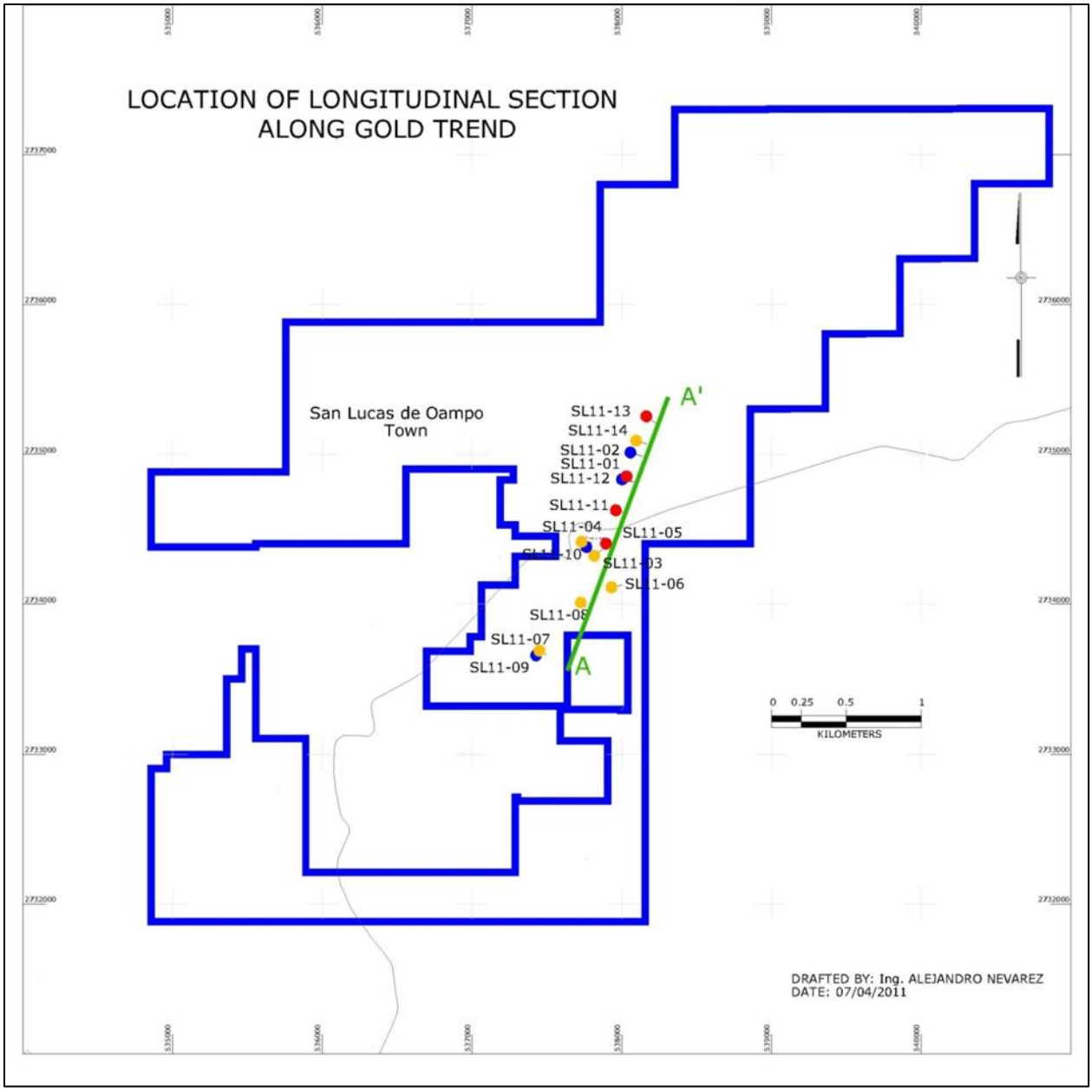



**Figure 41. Location of Longitudinal Section**

**The location of the section is shown is Figure 41. The significant assay intersections are then plotted on the longitudinal section. Because the better gold intersections group rather being random across the section, the author feels they indicate the centers of flow of mineralizing fluids. The idea of drilling deeper would be to test those pathways of mineralizing fluid flow further at depth where they might be more favorable for mineralization because of changes in rock type, structures, temperature, fluid chemistry and/or pressure and so on. Two proposed pierce points to test that concept**

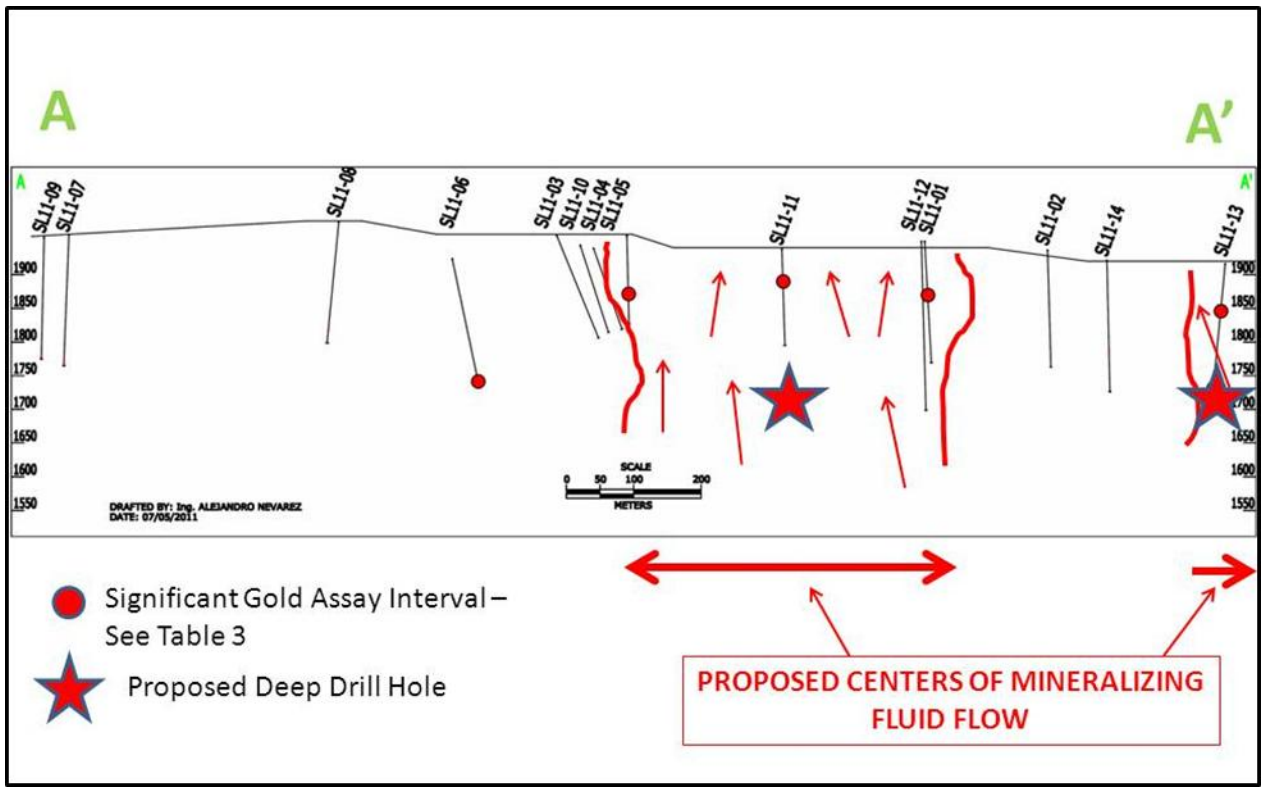



**Figure 42. Longitudinal Section Along the Gold Trend Showing Drill Hole Intersections, Proposed Centers of Mineralizing Fluid Flow and Proposed Deep Drill Holes.**

**are marked on the longitudinal section as red stars. Having established those points, it is a simple geometric solution to use normal drill hole inclinations of greater than 45 degrees and less than 65 degrees to project upwards to a favorable location on the surface for drilling. The proposed holes are listed on Table 9 and shown on Figures 43 and 44.**

| EXISTING DRILL HOLE ON SECTION | PROPOSED DRILL HOLES | | | | |
|---|---|---|---|---|---|
| | EASTING | NORTHING | AZIMUTH | INCLINATION | DEPTH |
| SL11-11 | 537806 | 2734675 | 107 | 55 | 330 |
| SL11-13 | 538020 | 2735362 | 127 | 55 | 420 |

**Table 8. Proposed Deep Drill Holes**

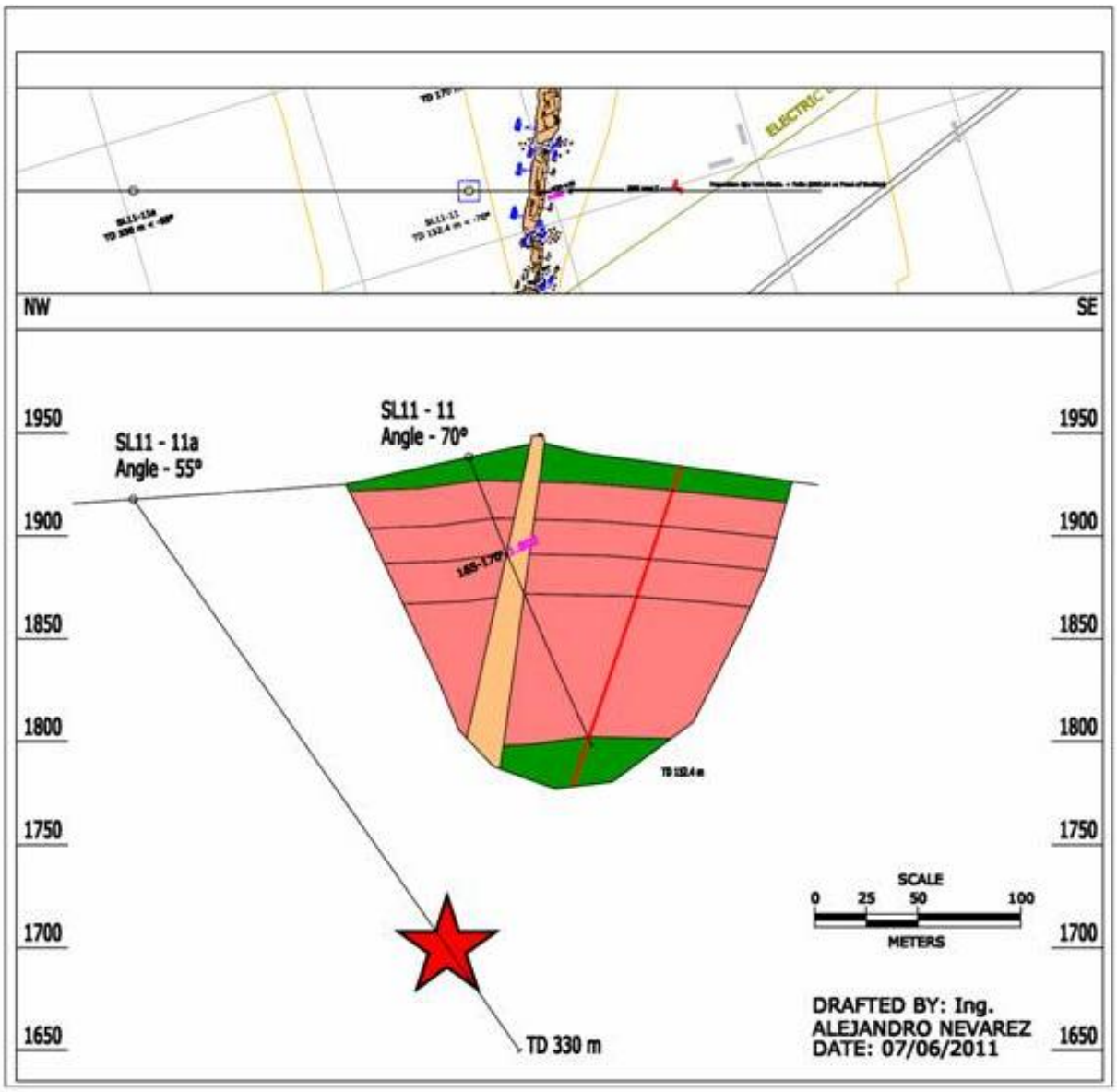



**Figure 43. Proposed Drill Hole on SL11-11 Section**

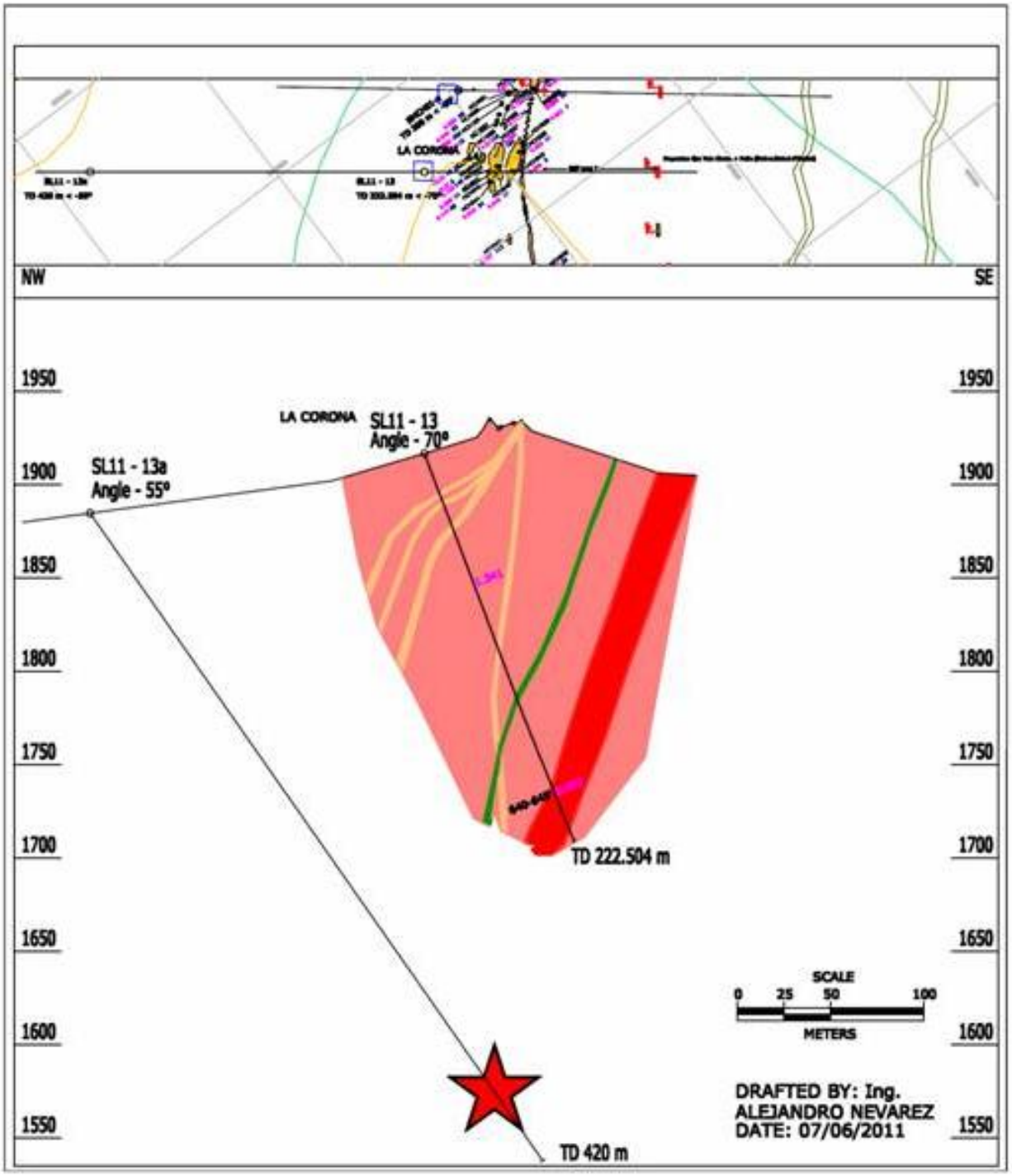



**Figure 44. Proposed Drill Hole on SL11-13 Section**

**The three Minera Montana drill holes with extremely high and suspicious gold analyses (MMSL-07-57, MMSL-07-60 and MMSL-07-64, see Figure 32), if the gold analyses can be confirmed and the gold confirmed to be hydrothermal, could meet the goal of one or more drill hole intersections with some depth/grade combination to be of innate economic interest to justify moving**

**on to Phase II drilling. If the assays can be confirmed and the gold shown to be of hydrothermal origin, five follow-up holes are proposed in Table 9.**

| Drill Hole | Proposed Depth |
|---|---|
| M. Montana Twin MMSL 07-57 | 30 m. |
| M. Montana Twin MMSL 07-60 | 70 m. |
| M. Montana Twin MMSL 07-64 | 40 m. |
| Stepout hole #1 | 100 m. |
| Stepout hole #2 | 100 m. |
| **GRAND TOTAL** | **340 m.** |

**Table 9. Proposed Follow-up Drilling to Minera Montana Drilling**

**There is a significant area on the concession north of any existing drill holes which is mostly covered by basalts and and gravels except for some small hills which are dacite domes (Figure 22). The exploration to date has correctly focused on developing targets from information which can be collected from outcrop evidence. In the broadest sense, what has been proved from the outcrop and drill hole analyses is the existence of a very large hydrothermal mineralizing system which is larger than the area of drilling. The nearby San Agustin project (see ADJACENT PROPERTIES section and Figures 38 and 39) directly on strike with the general project trends raises the possibility that there is potentially mineralization in the covered area.**

**The tool for that situation is geophysics. Figure 45 shows how a geophysical anomaly may be used for drill hole planning. While drill holes**

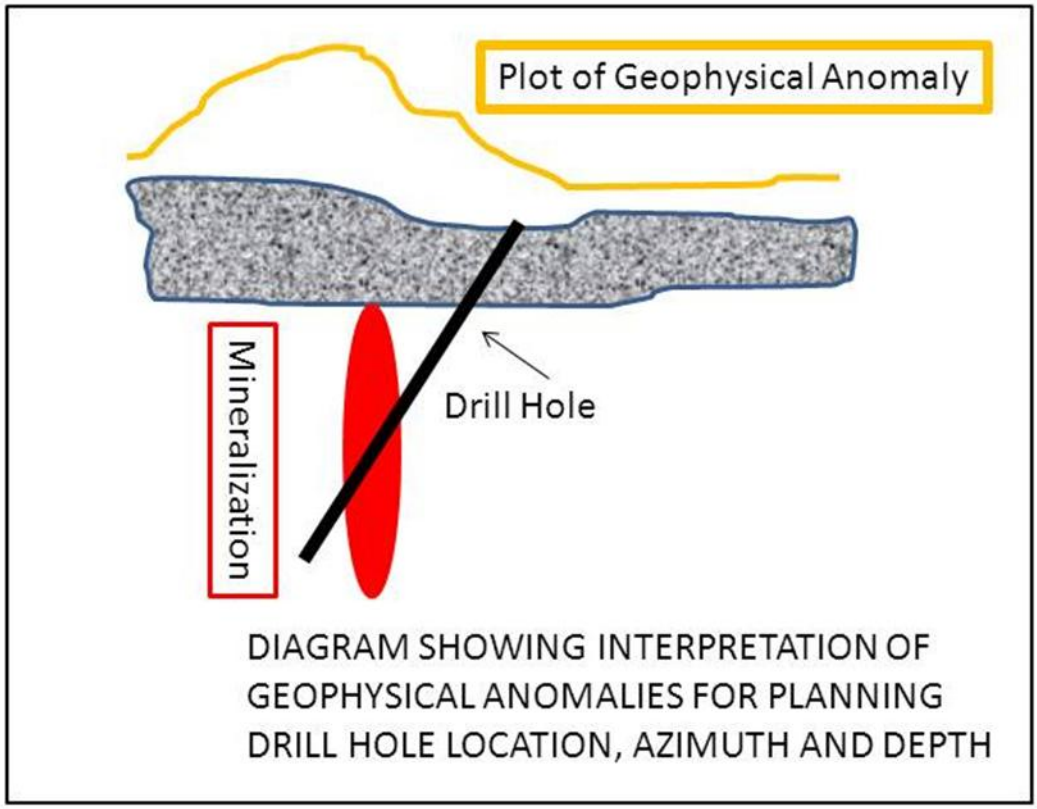



**Figure 45. Interpretation of Geophysical Anomaly for Drill Hole Planning**

**cannot be planned at detail in this stage, what can be planned based on industry experience is a reasonable number of drill holes which should suffice for testing anomalies given the areal extent to be tested. For the purposes of this report, drilling five holes totaling 1000 m. is proposed.**

**As the Project evolves into understanding the potential for deeper and covered mineralization, the risks and costs increase. The author feels the concepts are geologically valid based on his experience, but also cautions that the decision to proceed needs to be made understanding that the risks and costs are higher than testing the subsurface projection of surface anomalies. The deeper targets on the proposed centers of fluid flow may not, indeed, exist with the higher grades needed for underground mines. Geophysical anomalies may only represent only faults or sub economic mineralization.**

## RECOMMENDATIONS

**Figure 46 shows the recommended work on the Property.**

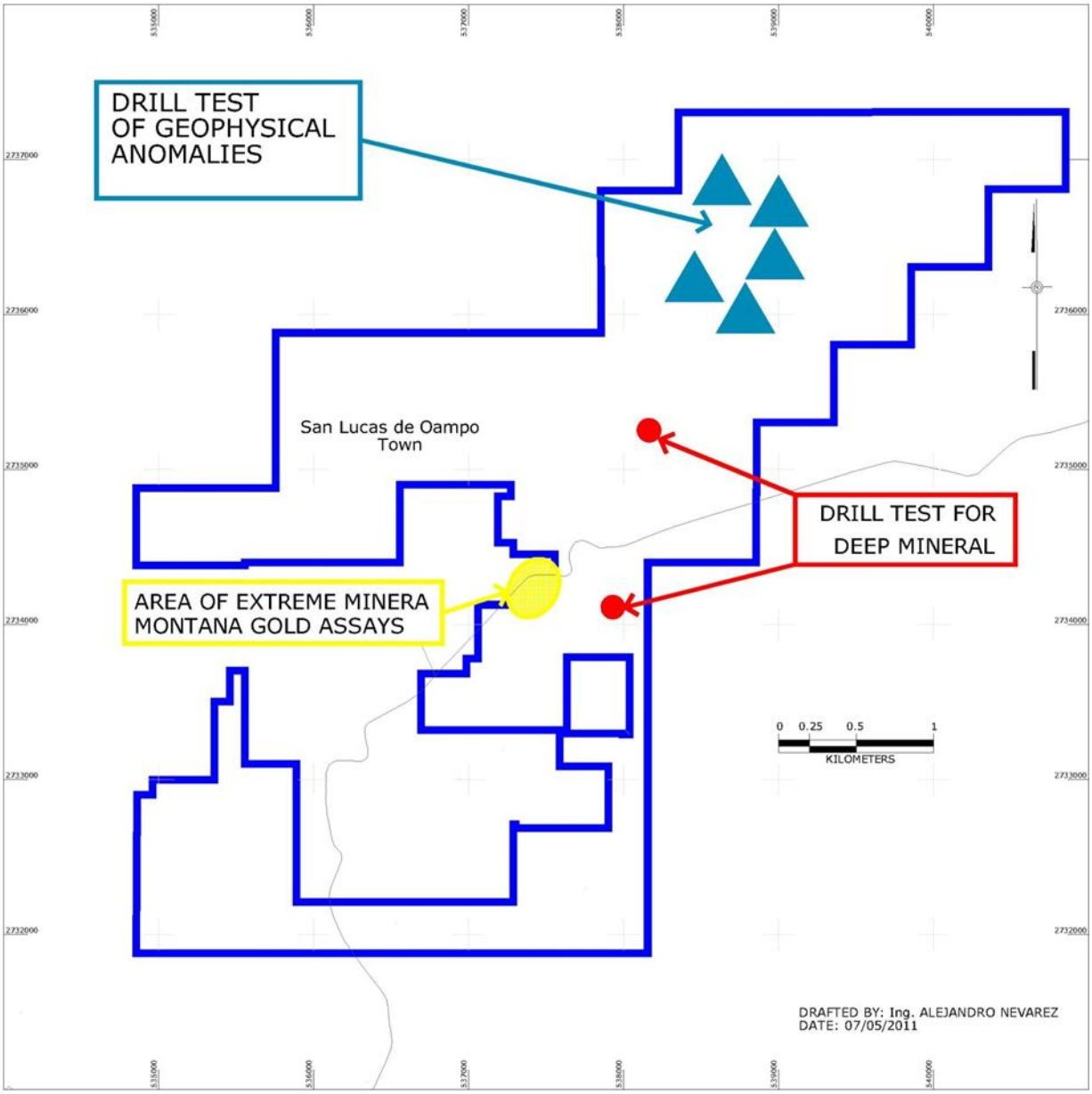



**Figure 46. Proposed Work**

**The proposed work is:**

- **Drill two deep tests of the Gold Trend**
- **If the extreme gold analyses from the three Minera Montana drill holes are valid, drill five holes to substantiate and amplify those results.**

- **Conduct a geophysical exploration survey in the northern portion of the concessions and budget five drill holes for followup.**

**A proposed budget for Phase II only is shown in Table 9.**

| ITEM | | TOTAL $US |
|---|---|---|
| Geologist, field crew, expenses | | $100,000 |
| Vehicles | | $10,000 |
| Drilling - Minera Montana Follow-up | | $32,300 |
| 5 holes total 340 meters @ $65/meter | $22,100 | |
| Sample prep and analyses $30/ea. | $10,200 | |
| Deep Drilling | | $78,750 |
| 2 holes total 750 m. @ $75/meter | $56,250 | |
| Sample prep and analyses $30/ea. | $22,500 | |
| NNE Extension Exploration | | $170,000 |
| Geophysical Exploration | $70,000 | |
| 5 holes total 1,000 m. @ $70/meter | $70,000 | |
| Sample prep and analyses $30/ea. | $30,000 | |
| Bulldozer, pads and trenches | | $12,000 |
| Subtotal | | $403,050.00 |
| 10% Contingency | | $40,300.00 |
| TOTAL | | $443,350.00 |

**Table 10. Proposed Work Budget**

**Successfully drilling assay intervals of innate immediate economic interest on any of the three proposed target areas will lead to a Phase III program under a separate budget.**

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**Rodriguez, Claudia A. Santos. Director William Feyerabend. 5 de October de 2010.**

# APPENDIX I. Historical Sampling and Gold Assays.

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| M. Mantos | MCH-001 | 538297 | 2735331 | 0.162 |
| M. Mantos | MCH-002 | 538300 | 2735328 | 0.292 |
| M. Mantos | MCH-003 | 538308 | 2735323 | 0.121 |
| M. Mantos | MCH-004 | 538296 | 2735327 | 0.218 |
| M. Mantos | MCH-005 | 538292 | 2735324 | 0.145 |
| M. Mantos | MCH-006 | 538277 | 2735301 | 0.044 |
| M. Mantos | MCH-007 | 538275 | 2735296 | 0.245 |
| M. Mantos | MCH-008 | 538266 | 2735286 | 0.363 |
| M. Mantos | MCH-009 | 538261 | 2735284 | 0.292 |
| M. Mantos | MCH-010 | 538260 | 2735280 | 0.755 |
| M. Mantos | MCH-011 | 538255 | 2735276 | 0.055 |
| M. Mantos | MCH-012 | 538255 | 2735273 | 0.276 |
| M. Mantos | MCH-013 | 538255 | 2735273 | 1.06 |
| M. Mantos | MCH-014 | 538364 | 2735380 | 0.126 |
| M. Mantos | MCH-015 | 538365 | 2735380 | 0.278 |
| M. Mantos | MCH-016 | 538395 | 2735394 | 0.103 |
| M. Mantos | MCH-017 | 538397 | 2735397 | 0.1 |
| M. Mantos | MCH-018 | 538413 | 2735418 | 0.16 |
| M. Mantos | MCH-019 | 538328 | 2735347 | 0.067 |
| M. Mantos | MCH-020 | 538327 | 2735348 | 0.182 |
| M. Mantos | MCH-021 | 538339 | 2735355 | 0.227 |
| M. Mantos | MCH-022 | 538339 | 2735356 | 0.105 |
| M. Mantos | MCH-023 | 538339 | 2735357 | 0.321 |
| M. Mantos | MCH-024 | 538297 | 2735320 | 0.326 |
| M. Mantos | MCH-025 | 538247 | 2735264 | 0.454 |
| M. Mantos | MCH-026 | 538238 | 2735255 | 0.554 |
| M. Mantos | MCH-027 | 538237 | 2735256 | 0.492 |
| M. Mantos | MCH-028 | 538229 | 2735259 | 0.014 |
| M. Mantos | MCH-029 | 538219 | 2735259 | 0.35 |
| M. Mantos | MCH-030 | 538225 | 2735261 | 0.049 |
| M. Mantos | MCH-031 | 538226 | 2735262 | 0.03 |
| M. Mantos | MCH-032 | 538221 | 2735256 | 0.156 |
| M. Mantos | MCH-033 | 538220 | 2735255 | 0.111 |
| M. Mantos | MCH-034 | 538211 | 2735253 | 0.015 |
| M. Mantos | MCH-035 | 538191 | 2735245 | <0.01 |
| M. Mantos | MCH-036 | 538194 | 2735242 | 0.015 |
| M. Mantos | MCH-037 | 538200 | 2735239 | 0.05 |
| M. Mantos | MCH-038 | 538215 | 2735236 | 0.022 |
| M. Mantos | MCH-039 | 538211 | 2735233 | 0.063 |
| M. Mantos | MCH-040 | 538202 | 2735227 | 0.026 |
| M. Mantos | MCH-041 | 538198 | 2735233 | 0.039 |
| M. Mantos | MCH-042 | 538197 | 2735234 | 0.102 |
| M. Mantos | MCH-043 | 538192 | 2735242 | <0.01 |
| M. Mantos | MCH-044 | 538189 | 2735229 | 0.016 |
| M. Mantos | MCH-045 | 538189 | 2735230 | 0.144 |
| M. Mantos | MCH-046 | 538196 | 2735229 | 0.04 |
| M. Mantos | MCH-047 | 538179 | 2735199 | 0.137 |
| M. Mantos | MCH-049 | 538180 | 2735175 | 0.41 |
| M. Mantos | MCH-050 | 538172 | 2735160 | 0.033 |
| M. Mantos | MCH-051 | 538170 | 2735160 | 0.015 |
| M. Mantos | MCH-052 | 538167 | 2735173 | <0.01 |

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| M. Mantos | MCH-053 | 538122 | 2735165 | <0.01 |
| M. Mantos | MCH-054 | 538122 | 2735163 | <0.01 |
| M. Mantos | MCH-055 | 538145 | 2735082 | 0.247 |
| M. Mantos | MCH-056 | 538142 | 2735084 | 0.176 |
| M. Mantos | MCH-057 | 538231 | 2735102 | 0.165 |
| M. Mantos | MCH-058 | 538123 | 2735003 | 0.695 |
| M. Mantos | MCH-059 | 538100 | 2734897 | 0.15 |
| M. Mantos | MCH-060 | 538067 | 2734823 | 1.14 |
| M. Mantos | MCH-061 | 538065 | 2734824 | 0.566 |
| M. Mantos | MCH-062 | 538070 | 2734822 | 0.778 |
| M. Mantos | MCH-063 | 538052 | 2734791 | 0.408 |
| M. Mantos | MCH-064 | 538050 | 2734792 | 0.469 |
| M. Mantos | MCH-065 | 538020 | 2734679 | 1.116 |
| M. Mantos | MCH-066 | 537972 | 2734559 | 0.43 |
| M. Mantos | MCH-067 | 537969 | 2734563 | 0.23 |
| M. Mantos | MCH-068 | 537926 | 2734451 | 0.019 |
| M. Mantos | MCH-069 | 537926 | 2734437 | 0.61 |
| M. Mantos | MCH-070 | 537921 | 2734386 | 0.848 |
| M. Mantos | MCH-071 | 537906 | 2734308 | 0.456 |
| M. Mantos | MCH-072 | 537726 | 2734460 | 0.117 |
| M. Mantos | MCH-073 | 537795 | 2734407 | 0.862 |
| M. Mantos | MCH-074 | 537810 | 2734385 | 1.649 |
| M. Mantos | MCH-075 | 537840 | 2734358 | 0.161 |
| M. Mantos | MCH-076 | 537844 | 2734357 | 0.116 |
| M. Mantos | MCH-077 | 537846 | 2734355 | 1.686 |
| M. Mantos | MCH-078 | 537843 | 2734352 | 0.829 |
| M. Mantos | MCH-079 | 537848 | 2734353 | 0.064 |
| M. Mantos | MCH-080 | 537845 | 2734350 | 0.502 |
| M. Mantos | MCH-081 | 537868 | 2734332 | 0.121 |
| M. Mantos | MCH-082 | 537963 | 2734282 | 0.058 |
| M. Mantos | MCH-083 | 537975 | 2734239 | <0.01 |
| M. Mantos | MCH-084 | 537993 | 2734212 | <0.01 |
| M. Mantos | MCH-085 | 537983 | 2734195 | <0.01 |
| M. Mantos | MCH-086 | 537980 | 2734190 | <0.01 |
| M. Mantos | MCH-087 | 537998 | 2734147 | <0.01 |
| M. Mantos | MCH-088 | 538019 | 2734141 | 0.022 |
| M. Mantos | MCH-089 | 538015 | 2734161 | 0.024 |
| M. Mantos | MCH-090 | 538034 | 2734079 | 0.06 |
| M. Mantos | MCH-091 | 537960 | 2734122 | 0.125 |
| M. Mantos | MCH-092 | 537891 | 2734097 | 0.286 |
| M. Mantos | MCH-093 | 537766 | 2733968 | 0.229 |
| M. Mantos | MCH-094 | 537766 | 2733971 | 0.198 |
| M. Mantos | MCH-095 | 537675 | 2733877 | 0.02 |
| M. Mantos | MCH-096 | 537607 | 2733809 | 0.255 |
| M. Mantos | MCH-097 | 537589 | 2733841 | 0.031 |
| M. Mantos | MCH-098 | 537628 | 2733861 | 0.196 |
| M. Mantos | MCH-099 | 537521 | 2733760 | 0.816 |
| M. Mantos | MCH-100 | 537510 | 2733742 | 0.032 |
| M. Mantos | MCH-101 | 537514 | 2733768 | 0.016 |
| M. Mantos | MCH-102 | 537509 | 2733767 | 0.104 |
| M. Mantos | MCH-103 | 537506 | 2733758 | 0.029 |

## APPENDIX I (cont.). Historical Sampling and Gold Assays.

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| M. Mantos | MCH-104 | 537527 | 2733697 | 0.039 |
| M. Mantos | MCH-105 | 537484 | 2733689 | 0.094 |
| M. Mantos | MCH-106 | 537481 | 2733677 | 0.573 |
| M. Mantos | MCH-107 | 537476 | 2733664 | 0.022 |
| M. Mantos | MCH-108 | 537480 | 2733661 | 0.03 |
| M. Mantos | MCH-109 | 537486 | 2733664 | 0.785 |
| M. Mantos | MCH-110 | 537485 | 2733665 | 0.018 |
| M. Mantos | MCH-111 | 537482 | 2733664 | 0.144 |
| M. Mantos | MCH-112 | 537501 | 2733679 | 0.079 |
| M. Mantos | MCH-113 | 537481 | 2733665 | 0.103 |
| M. Mantos | MCH-114 | 537464 | 2733651 | 0.725 |
| M. Mantos | MCH-115 | 537461 | 2733641 | 0.573 |
| M. Mantos | MCH-116 | 537453 | 2733641 | 0.108 |
| M. Mantos | MCH-117 | 537454 | 2733639 | 0.173 |
| M. Mantos | MCH-118 | 537450 | 2733635 | 0.027 |
| M. Mantos | MCH-119 | 537450 | 2733629 | 0.035 |
| M. Mantos | MCH-120 | 537430 | 2733586 | 0.201 |
| M. Mantos | MCH-121 | 537395 | 2733511 | 0.012 |
| M. Mantos | MCH-122 | 537537 | 2733629 | 0.148 |
| M. Mantos | MCH-123 | 537526 | 2733407 | 0.063 |
| M. Mantos | MCH-124 | 537528 | 2733408 | 0.023 |
| M. Mantos | MCH-125 | 537526 | 2733409 | 0.025 |
| M. Mantos | MCH-126 | 537751 | 2733978 | 0.034 |
| M. Mantos | MCH-127 | 537688 | 2734012 | 0.113 |
| M. Mantos | MCH-128 | 537683 | 2734029 | 1.058 |
| M. Mantos | MCH-129 | 537636 | 2734134 | 0.017 |
| M. Mantos | MCH-130 | 537606 | 2734181 | 0.023 |
| M. Mantos | MCH-131 | 537559 | 2734222 | 0.015 |
| M. Mantos | MCH-132 | 538096 | 2733977 | 0.017 |
| M. Mantos | MCH-133 | 538154 | 2733892 | 0.06 |
| M. Mantos | MCH-134 | 538292 | 2733910 | 0.012 |
| M. Mantos | MCH-135 | 538264 | 2733956 | <0.01 |
| M. Mantos | MCH-136 | 538292 | 2733963 | 0.049 |
| M. Mantos | MCH-137 | 538293 | 2734012 | 0.012 |
| M. Mantos | MCH-138 | 538387 | 2734150 | 0.011 |
| M. Mantos | MCH-139 | 538219 | 2735104 | <0.01 |
| M. Mantos | MCH-140 | 537983 | 2735043 | 0.018 |
| M. Mantos | MCH-141 | 537834 | 2735157 | <0.01 |
| M. Mantos | MCH-142 | 537832 | 2735166 | <0.01 |
| M. Mantos | MCH-143 | 538106 | 2734949 | 0.142 |
| M. Mantos | MCH-144 | 538066 | 2734839 | 0.271 |
| M. Mantos | MCH-145 | 538037 | 2734750 | 0.401 |
| M. Mantos | MCH-146 | 537995 | 2734616 | 0.362 |
| M. Mantos | MCH-147 | 537585 | 2733604 | <0.01 |
| M. Mantos | MCH-148 | 537575 | 2733603 | <0.01 |
| M. Mantos | MCH-149 | 537580 | 2733626 | <0.01 |
| M. Mantos | MCH-150 | 537566 | 2733620 | 0.018 |
| M. Mantos | MCH-151 | 537564 | 2733556 | <0.01 |
| M. Mantos | MCH-152 | 537650 | 2733597 | 0.01 |
| M. Mantos | MCH-153 | 537645 | 2733597 | <0.01 |
| M. Mantos | MCH-154 | 537616 | 2733611 | <0.01 |

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| M. Mantos | MCH-155 | 537615 | 2733609 | 0.022 |
| M. Mantos | MCH-156 | 537614 | 2733636 | <0.01 |
| M. Mantos | MCH-157 | 537619 | 2733558 | <0.01 |
| M. Mantos | MCH-158 | 537614 | 2733562 | <0.01 |
| M. Mantos | MCH-159 | 537634 | 2733573 | <0.01 |
| M. Mantos | MCH-160 | 537583 | 2733518 | 0.017 |
| M. Mantos | MCH-161 | 537577 | 2733513 | 0.038 |
| M. Mantos | MCH-162 | 537579 | 2733516 | 0.017 |
| M. Mantos | MCH-163 | 537526 | 2733488 | 0.069 |
| M. Mantos | MCH-164 | 537501 | 2733375 | 0.043 |
| M. Mantos | MCH-165 | 537498 | 2733377 | 0.02 |
| M. Mantos | MCH-166 | 537468 | 2733405 | 0.017 |
| M. Mantos | MCH-167 | 537468 | 2733410 | 0.016 |
| M. Mantos | MCH-168 | 537435 | 2733330 | <0.01 |
| M. Mantos | MCH-169 | 537484 | 2733355 | 0.01 |
| M. Mantos | MCH-170 | 537548 | 2733355 | 0.019 |
| M. Mantos | MCH-171 | 537550 | 2733357 | 0.032 |
| M. Mantos | MCH-172 | 537542 | 2733393 | 0.02 |
| M. Mantos | MCH-173 | 537672 | 2733495 | 0.013 |
| M. Mantos | MCH-174 | 537668 | 2733498 | 0.013 |
| M. Mantos | MCH-175 | 537686 | 2733503 | 0.016 |
| M. Mantos | MCH-176 | 537691 | 2733499 | 0.018 |
| M. Mantos | MCH-177 | 537697 | 2733484 | 0.022 |
| M. Mantos | MCH-178 | 537657 | 2733460 | 0.027 |
| M. Mantos | MCH-179 | 537749 | 2733492 | <0.01 |
| M. Mantos | MCH-180 | 537750 | 2733503 | 0.026 |
| M. Mantos | MCH-181 | 537762 | 2733492 | 0.023 |
| M. Mantos | MCH-182 | 537810 | 2733447 | 0.023 |
| M. Mantos | MCH-183 | 537798 | 2733450 | 0.011 |
| M. Mantos | MCH-184 | 537821 | 2733324 | 0.307 |
| M. Mantos | MCH-185 | 537800 | 2733308 | 0.181 |
| M. Mantos | MCH-186 | 537796 | 2733308 | 0.148 |
| M. Mantos | MCH-187 | 537777 | 2733300 | 0.385 |
| M. Mantos | MCH-188 | 537771 | 2733291 | 0.22 |
| M. Mantos | MCH-189 | 537767 | 2733289 | 0.119 |
| M. Mantos | MCH-190 | 537713 | 2733338 | 0.439 |
| M. Mantos | MCH-191 | 537678 | 2733279 | 0.076 |
| M. Mantos | MCH-192 | 537693 | 2733259 | 0.036 |
| M. Mantos | MCH-193 | 537695 | 2733229 | 0.087 |
| M. Mantos | MCH-194 | 537686 | 2733210 | 0.153 |
| M. Mantos | MCH-195 | 537701 | 2733195 | 0.234 |
| M. Mantos | MCH-196 | 537695 | 2733181 | 0.18 |
| M. Mantos | MCH-197 | 537679 | 2733180 | 0.168 |
| M. Mantos | MCH-198 | 537675 | 2733150 | 0.073 |
| M. Mantos | MCH-199 | 537721 | 2733200 | 0.179 |
| M. Mantos | MCH-200 | 537737 | 2733216 | 0.189 |
| M. Mantos | MCH-201 | 537581 | 2733207 | 0.083 |
| M. Mantos | MCH-202 | 537583 | 2733210 | 0.029 |
| M. Mantos | MCH-203 | 537579 | 2733241 | <0.01 |
| M. Mantos | MCH-204 | 537560 | 2733233 | 0.016 |
| M. Mantos | MCH-205 | 537556 | 2733250 | 0.018 |

# APPENDIX I (cont.) Historical Sampling and Gold Assays.

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| M. Mantos | MCH-206 | 537616 | 2733276 | 0.374 |
| M. Mantos | MCH-207 | 537610 | 2733275 | 0.142 |
| M. Mantos | MCH-208 | 537604 | 2733273 | 0.04 |
| M. Mantos | MCH-209 | 538366 | 2735852 | <0.01 |
| M. Mantos | MCH-210 | 538364 | 2735852 | <0.01 |
| M. Mantos | MCH-211 | 538230 | 2735628 | <0.01 |
| M. Mantos | MCH-212 | 538233 | 2735592 | <0.01 |
| M. Mantos | MCH-213 | 538226 | 2735583 | <0.01 |
| M. Mantos | MCH-214 | 538235 | 2735576 | <0.01 |
| M. Mantos | MCH-215 | 538220 | 2735556 | <0.01 |
| M. Mantos | MCH-216 | 538231 | 2735570 | <0.01 |
| M. Mantos | MCH-217 | 538206 | 2735567 | <0.01 |
| M. Mantos | MCH-218 | 538185 | 2735571 | 0.035 |
| M. Mantos | MCH-219 | 538174 | 2735572 | 0.02 |
| M. Mantos | MCH-220 | 538371 | 2735855 | <0.01 |
| M. Mantos | MCH-221 | 537948 | 2734514 | 0.251 |
| M. Mantos | MCH-222 | 537920 | 2734405 | 0.365 |
| M. Mantos | MCH-223 | 537883 | 2734309 | 0.188 |
| M. Mantos | MCH-224 | 537747 | 2734440 | 0.025 |
| M. Mantos | MCH-225 | 537762 | 2734424 | 0.187 |
| M. Mantos | MCH-226 | 538825 | 2736981 | <0.01 |
| M. Mantos | MCH-227 | 538860 | 2737027 | <0.01 |
| M. Mantos | MCH-228 | 538788 | 2736919 | <0.01 |
| M. Mantos | MCH-229 | 538587 | 2736443 | <0.01 |
| M. Mantos | MCH-230 | 538582 | 2736633 | <0.01 |
| M. Mantos | MCH-231 | 538599 | 2736660 | <0.01 |
| M. Mantos | MCH-232 | 538548 | 2736269 | <0.01 |
| M. Mantos | MCH-233 | 538590 | 2736248 | <0.01 |
| M. Mantos | MCH-234 | 538599 | 2736274 | <0.01 |
| M. Mantos | MCH-235 | 538686 | 2736390 | <0.01 |
| M. Mantos | MCH-236 | 538688 | 2736391 | <0.01 |
| M. Mantos | MCH-237 | 538537 | 2736500 | <0.01 |
| M. Mantos | MCH-238 | 538483 | 2736555 | <0.01 |
| M. Mantos | MCH-239 | 538487 | 2736556 | <0.01 |
| M. Mantos | ED-001 | 537650 | 2733023 | 0.422 |
| M. Mantos | ED-002 | 537627 | 2732991 | 2.502 |
| M. Mantos | ED-003 | 537622 | 2732959 | 0.015 |
| M. Mantos | ED-004 | 537566 | 2732905 | 0.018 |
| M. Mantos | ED-005 | 537494 | 2732963 | 0.067 |
| M. Mantos | ED-006 | 537461 | 2732950 | 0.309 |
| M. Mantos | ED-007 | 537438 | 2732937 | 0.153 |
| M. Mantos | ED-008 | 537391 | 2732958 | 0.025 |
| M. Mantos | ED-009 | 537317 | 2732956 | 0.017 |
| M. Mantos | ED-010 | 537402 | 2733056 | 0.079 |
| M. Mantos | ED-011 | 537678 | 2732909 | <0.01 |
| M. Mantos | ED-012 | 537649 | 2733004 | 0.352 |
| M. Mantos | ED-013 | 537724 | 2733002 | <0.01 |
| M. Mantos | ED-014 | 537707 | 2732982 | 0.082 |
| M. Mantos | ED-015 | 537435 | 2733087 | 0.06 |
| M. Mantos | ED-016 | 537377 | 2733147 | 0.036 |
| M. Mantos | ED-017 | 537367 | 2733112 | 0.078 |

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| M. Mantos | ED-018 | 537430 | 2733184 | 0.031 |
| M. Mantos | ED-019 | 537463 | 2733189 | 0.057 |
| M. Mantos | ED-020 | 537514 | 2733244 | 0.035 |
| M. Mantos | ED-021 | 537539 | 2733120 | 0.35 |
| M. Mantos | ED-022 | 535461 | 2733387 | 0.01 |
| M. Mantos | ED-023 | 535298 | 2733311 | 0.243 |
| M. Mantos | ED-024 | 535265 | 2733373 | 0.089 |
| M. Mantos | ED-025 | 535255 | 2733377 | 0.035 |
| M. Mantos | ED-026 | 535225 | 2733451 | 0.019 |
| M. Mantos | ED-027 | 536056 | 2733803 | 0.15 |
| Montana | R144 | 537865 | 2735260 | 0.01 |
| Montana | R145 | 537790 | 2735210 | 0.006 |
| Montana | R146 | 537876 | 2735045 | 0.003 |
| Montana | R147 | 537890 | 2735040 | 0.038 |
| Montana | R148 | 537900 | 2735030 | 0.04 |
| Montana | R149 | 537900 | 2734925 | <0.01 |
| Montana | R150 | 537890 | 2734920 | 0.005 |
| Montana | R151 | 537845 | 2734920 | 0.004 |
| Montana | R152 | 537800 | 2734900 | 0.031 |
| Montana | R153 | 537800 | 2734890 | 5.39 |
| Montana | R154 | 537805 | 2734890 | 0.035 |
| Montana | R155 | 537805 | 2734895 | 0.023 |
| Montana | R156 | 537665 | 2734880 | 0.085 |
| Montana | R157 | 538060 | 2734880 | 0.009 |
| Montana | R158 | 538040 | 2734860 | 0.061 |
| Montana | R159 | 538060 | 2734860 | 0.014 |
| Montana | R160 | 538070 | 2734820 | 0.139 |
| Montana | R161 | 538090 | 2734840 | 0.189 |
| Montana | R162 | 538115 | 2734925 | 0.735 |
| Montana | R163 | 538115 | 2735000 | 0.176 |
| Montana | R164 | 538140 | 2735056 | 0.388 |
| Montana | R165 | 538160 | 2735135 | 0.277 |
| Montana | R166 | 538165 | 2735185 | 0.02 |
| Montana | R167 | 538170 | 2735205 | 0.039 |
| Montana | R168 | 538185 | 2735238 | 0.145 |
| Montana | R169 | 538190 | 2735250 | 0.005 |
| Montana | R170 | 538370 | 2735385 | 0.042 |
| Montana | R171 | 538370 | 2735380 | 0.074 |
| Montana | R172 | 538360 | 2735385 | 0.581 |
| Montana | R173 | 538410 | 2735405 | 0.095 |
| Montana | R180 | 537065 | 2733655 | 0.043 |
| Montana | R181 | 537210 | 2733675 | 0.039 |
| Montana | R182 | 537275 | 2733660 | 0.016 |
| Montana | R183 | 537320 | 2733640 | 0.032 |
| Montana | R184 | 537420 | 2733605 | 0.008 |
| Montana | R185 | 537620 | 2733645 | 0.003 |
| Montana | R186 | 537575 | 2733645 | <0.01 |
| Montana | R187 | 537350 | 2733640 | 0.032 |
| Montana | R188 | 537371 | 2733760 | <0.01 |
| Montana | R189 | 537345 | 2733800 | 0.081 |
| Montana | R190 | 537330 | 2733930 | 0.048 |

## APPENDIX I (cont.) Historical Sampling and Gold Assays.

| Company | Sample # | Easting | Northing | Au ppm |
|---|---|---|---|---|
| Montana | R191 | 537500 | 2734040 | 0.1 |
| Montana | R192 | 537550 | 2734085 | 0.01 |
| Montana | R193 | 537590 | 2734950 | <0.01 |
| Montana | R194 | 537450 | 2733705 | 0.035 |
| Montana | R195 | 537430 | 2733705 | 0.026 |
| Montana | R196 | 537405 | 2733705 | 0.069 |
| Montana | R197 | 537355 | 2733700 | 0.021 |
| Montana | R198 | 537360 | 2733600 | 0.004 |
| Montana | R199 | 537345 | 2733600 | 0.006 |
| Montana | R200 | 537265 | 2733525 | 0.056 |
| Montana | R201 | 537245 | 2733525 | 0.04 |
| Montana | R202 | 537265 | 2733570 | 0.094 |
| Montana | R203 | 537075 | 2733575 | 0.022 |

# APPENDIX II. 2010 Check Sampling by Author

| SAMPLE NO. | EASTING | NORTHING | SAMPLE TYPE | ROCK TYPE | STRUCTURE | COMMENTS |
|---|---|---|---|---|---|---|
| 886420 | 538335 | 2735355 | Channel | Granular silica | Shear 60/90 | Fractured, leached vugs, mod-hvy limonite, re-sample MCH-021 |
| 886421 | 538255 | 2735270 | Channel | Granular silica | Shear 25/0 | Fractured, weak-moderate limonite, re-sample MCH-013 |
| 886422 | 538233 | 2735103 | Channel | Sugary silica | 0.1 m. breccia | Breccia has heavy limonite, re-sample MCH-057 |
| 886423 | 538120 | 2735000 | Channel | Sugary silica | Breccia | Hard silica, multi-stage breccia, re-sample of MCH-058 |
| 886424 | 537971 | 2734559 | Grab | Various silica | Fractured | Lt. gray granular, dk. Gray vein silica, wk. leached, wk. hematite, MnOx |
| 886425 | 538066 | 2734814 | Channel | Silica | -1 | In adit, re-sample of MCH-60 |
| 886426 | 537915 | 2734390 | Channel | Silica | Breccia | Re-sample of MCH-70 |
| 886427 | 537516 | 2733762 | Channel | Adv. Argillic | -1 | Silica veinlets, re-sample of MCH-99 |
| 886428 | 537971 | 2734561 | Select | Qtz. Vein | 40/75 | Test of subsampling silica vein within larger channel sample |
| 886429 | 538119 | 2735005 | Channel | Silica | Breccia | 1 m. channel, breccia, silic. Frags have 5% pyrite |
| 886430 | -1 | -1 | Channel | -1 | -1 | Test of dump as QAQC sample source |
| 886431 | -1 | -1 | Channel | -1 | -1 | Test of dump as QAQC sample source |
| 886432 | -1 | -1 | Channel | -1 | -1 | Test of dump as QAQC sample source |
| 886433 | -1 | -1 | Channel | -1 | -1 | Test of dump as QAQC sample source |
| 886434 | 538593 | 2736270 | Grab | rhyolite | -1 | Test of blank rock 0.0002 ppm Au |
| 886435 | -1 | -1 | Drill chips | -1 | -1 | MMSL-34 sample 886435 92 m. - 94 m. |
| 886436 | -1 | -1 | Drill chips | -1 | -1 | MMSL-34 sample 886436 100 m. - 102 m. |
| 886437 | -1 | -1 | Drill chips | -1 | -1 | MMSL-35 sample 886437 132 m - 134 m. |
| 886438 | -1 | -1 | Drill chips | -1 | -1 | MMSL-35 sample 886438 134 m. - 136 m. |
| 886439 | -1 | -1 | Drill chips | -1 | -1 | MMSL-45 sample 886439 166 m. - 168 m. |
| 886440 | -1 | -1 | Drill chips | -1 | -1 | MMSL-46 sample 886440 96 m. - 98 m. |
| 886441 | -1 | -1 | Drill chips | -1 | -1 | MMSL-46 sample 886441 98 m. - 100 m. |
| 886442 | -1 | -1 | Drill chips | -1 | -1 | MMSL-46 sample 886442 154 m. - 156 m. |

# APPENDIX III. SAMPLE ANALYSES.

| ANALYTE | Au | Ag | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Hg | K | La | Li | Mg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAG313 | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP1 |
| DETECTIO | 0.01 | 10 | 2 | 0.01 | 10 | 1 | 0.5 | 10 | 0.01 | 1 | 1 | 1 | 1 | 0.01 | 5 | 0.01 | 0.5 | 1 | |
| UNITS | g/t | g/t | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | % | ppm | ppm | % |
| 886420 | 0.231 | 129 | >10 | 0.24 | 1602 | 679 | <0.5 | 10 | 0.04 | <1 | <1 | 10 | 328 | 4.55 | <5 | 0.11 | 2.2 | <1 | <0.0 |
| 886421 | 1.421 | 145 | >10 | 0.28 | 467 | 874 | <0.5 | 30 | 0.04 | <1 | <1 | 14 | 127 | 6.79 | 49 | 0.08 | 2.3 | <1 | <0.0 |
| 886422 | 0.171 | N.A. | <2 | 0.13 | 106 | 3450 | <0.5 | <10 | 0.04 | <1 | <1 | 14 | 8 | 2.62 | <5 | 0.01 | 2.5 | <1 | <0.0 |
| 886423 | 0.322 | N.A. | 5 | 0.18 | 94 | 430 | <0.5 | <10 | 0.06 | <1 | 3 | 31 | 101 | 3.15 | <5 | 0.03 | <0.5 | 1 | <0.0 |
| 886424 | 0.42 | N.A. | 3 | 0.48 | 134 | 714 | <0.5 | <10 | 0.06 | <1 | <1 | 30 | 62 | 3.73 | <5 | 0.14 | <0.5 | 13 | <0.0 |
| 886425 | 0.948 | 22 | >10 | 0.04 | 220 | 252 | <0.5 | 20 | 0.1 | <1 | 3 | 22 | 393 | 3.73 | 6 | 0.06 | <0.5 | <1 | |
| 886426 | 1.735 | 36 | >10 | 0.33 | 279 | 1260 | <0.5 | <10 | 0.15 | <1 | <1 | 24 | 138 | 4.6 | 48 | 0.05 | 0.9 | 4 | |
| 886427 | 0.723 | 10 | >10 | 0.36 | 240 | 564 | <0.5 | <10 | 0.03 | <1 | <1 | 23 | 46 | 4.87 | 9 | 0.05 | <0.5 | 2 | <0.0 |
| 886428 | 0.359 | N.A. | 4 | 0.36 | 80 | 937 | <0.5 | <10 | 0.03 | <1 | 1 | 29 | 66 | 4.55 | <5 | 0.11 | <0.5 | 9 | <0.0 |
| 886429 | 0.794 | N.A. | 9 | 0.4 | 145 | 559 | <0.5 | <10 | 0.04 | <1 | 2 | 17 | 314 | 2.78 | 11 | 0.01 | <0.5 | 5 | <0.0 |
| 886430 | 0.354 | N.A. | 8 | 0.4 | 151 | 417 | <0.5 | <10 | 0.02 | <1 | 3 | 15 | 184 | 2.94 | <5 | 0.05 | <0.5 | 6 | <0.0 |
| 886431 | 0.404 | N.A. | 9 | 0.53 | 136 | 451 | <0.5 | <10 | 0.02 | <1 | 3 | 17 | 217 | 3.43 | <5 | 0.04 | <0.5 | 9 | <0.0 |
| 886432 | 0.162 | N.A. | 4 | 0.51 | 152 | 611 | <0.5 | <10 | <0.01 | <1 | 1 | 13 | 58 | 2.59 | <5 | 0.02 | <0.5 | 10 | <0.0 |
| 886433 | 0.123 | N.A. | 4 | 0.64 | 113 | 391 | <0.5 | <10 | <0.01 | <1 | 2 | 13 | 76 | 2.15 | <5 | 0.06 | <0.5 | 11 | <0.0 |
| 886434 | 0.235 | N.A. | 7 | 0.41 | 84 | 367 | <0.5 | <10 | <0.01 | <1 | 3 | 11 | 132 | 1.79 | <5 | 0.04 | <0.5 | 7 | <0.0 |
| 886435 | 0.035 | 46 | >10 | 0.32 | 283 | 58 | <0.5 | <10 | 0.87 | 50 | 18 | 7 | 92 | 4.52 | <5 | 0.21 | 13.4 | 1 | |
| 886436 | 0.018 | 112 | >10 | 0.59 | 243 | 39 | <0.5 | <10 | 3.46 | 8 | 10 | 8 | 212 | 2.29 | <5 | 0.23 | 18.9 | 10 | |
| 886437 | <0.01 | 192 | >10 | 0.15 | 123 | 78 | <0.5 | <10 | 0.86 | 4 | 12 | 4 | 307 | 2.37 | <5 | 0.09 | 2.9 | <1 | |
| 886438 | 0.19 | 144 | >10 | 0.12 | 294 | 45 | <0.5 | 60 | 0.13 | 35 | 11 | 6 | 305 | 4.75 | 13 | 0.08 | 8.2 | <1 | |
| 886439 | <0.01 | N.A. | <2 | 1.25 | <10 | 196 | <0.5 | <10 | 3.58 | <1 | 9 | 17 | 10 | 2.78 | <5 | 0.17 | 22.3 | 27 | |
| 886440 | 0.052 | 387 | >10 | 0.22 | 352 | 44 | <0.5 | <10 | 0.45 | 99 | 15 | 5 | 861 | 4.16 | <5 | 0.16 | 7.4 | <1 | |
| 886441 | 0.074 | 298 | >10 | 0.21 | 171 | 14 | <0.5 | <10 | 0.64 | 29 | 14 | 5 | 574 | 2.87 | <5 | 0.14 | 5.7 | <1 | |
| 886442 | 0.032 | 527 | >10 | 1.16 | 110 | 49 | <0.5 | <10 | 0.92 | 78 | 8 | 6 | 1180 | 3 | <5 | 0.2 | 18.9 | 27 | |
| DUP-8864 | 0.234 | 122 | >10 | 0.24 | 1557 | 692 | <0.5 | 10 | 0.04 | <1 | <1 | 9 | 318 | 4.4 | <5 | 0.11 | 2 | <1 | <0.0 |
| DUP-8864 | 0.054 | 391 | >10 | 0.25 | 347 | 49 | <0.5 | <10 | 0.45 | 98 | 15 | 5 | 895 | 4.21 | <5 | 0.18 | 8.1 | <1 | |

| ANALYTE | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sn | Sr | Ti | V | W | Y | Zn | Zr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B | ICP14B |
| DETECTIO | 2 | 1 | 0.1 | 1 | 0.01 | 4 | 0.01 | 5 | 0.5 | 10 | 0.5 | 0.01 | 2 | 10 | 5 | 5 | 0.5 |
| UNITS | ppm | ppm | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 886420 | 73 | 13 | <0.1 | 7 | 0.06 | 4760 | 0.43 | 841 | <0.5 | <10 | 64.9 | <0.01 | 12 | <10 | <5 | 172 | 2.8 |
| 886421 | 92 | 9 | <0.1 | 3 | 0.07 | 1380 | 0.39 | 468 | <0.5 | <10 | 26.9 | <0.01 | 14 | <10 | <5 | 150 | 4.6 |
| 886422 | 142 | 7 | <0.1 | 2 | 0.16 | 63 | 0.13 | 57 | <0.5 | <10 | 102 | <0.01 | 6 | <10 | <5 | 14 | 2.3 |
| 886423 | 84 | 14 | <0.1 | 7 | 0.02 | 55 | 0.78 | 63 | <0.5 | <10 | 36 | <0.01 | 8 | <10 | <5 | 32 | 1.6 |
| 886424 | 58 | <1 | <0.1 | 3 | 0.05 | 71 | 0.5 | 67 | <0.5 | <10 | 61.6 | <0.01 | 28 | <10 | <5 | 18 | 1.5 |
| 886425 | 53 | 8 | <0.1 | 7 | 0.03 | 148 | 1.05 | 127 | <0.5 | <10 | 143 | <0.01 | 10 | <10 | <5 | 24 | 1.9 |
| 886426 | 239 | 2 | <0.1 | 1 | 0.08 | 339 | 0.18 | 661 | <0.5 | <10 | 57.3 | <0.01 | 28 | <10 | <5 | 36 | 3.3 |
| 886427 | 40 | 2 | <0.1 | <1 | 0.02 | 26 | 0.14 | 43 | <0.5 | <10 | 50.9 | <0.01 | 27 | <10 | <5 | <5 | 1.6 |
| 886428 | 32 | <1 | <0.1 | 7 | 0.04 | 59 | 0.34 | 94 | <0.5 | <10 | 48.7 | <0.01 | 33 | <10 | <5 | 64 | 1.1 |
| 886429 | 34 | 15 | <0.1 | 5 | 0.01 | 62 | 0.66 | 240 | <0.5 | <10 | 55 | <0.01 | 8 | <10 | <5 | 9 | 2 |
| 886430 | 23 | 2 | <0.1 | 8 | 0.02 | 88 | 0.82 | 126 | <0.5 | <10 | 44.9 | <0.01 | 22 | <10 | <5 | 45 | 1.2 |
| 886431 | 49 | 3 | <0.1 | 9 | 0.01 | 70 | 0.84 | 132 | <0.5 | <10 | 33.7 | <0.01 | 17 | <10 | <5 | 34 | 1.3 |
| 886432 | 7 | <1 | <0.1 | 4 | <0.01 | 39 | 0.56 | 50 | <0.5 | <10 | 26.6 | <0.01 | 22 | <10 | <5 | 8 | 1 |
| 886433 | 19 | <1 | <0.1 | 5 | <0.01 | 53 | 0.73 | 49 | <0.5 | <10 | 26.2 | <0.01 | 17 | <10 | <5 | 13 | 1 |
| 886434 | 17 | <1 | <0.1 | 6 | <0.01 | 47 | 0.9 | 60 | <0.5 | <10 | 26.8 | <0.01 | 12 | <10 | <5 | 11 | 0.7 |
| 886435 | 2440 | 8 | <0.1 | 39 | 0.07 | 1760 | 2.92 | 66 | 2.4 | <10 | 18.9 | <0.01 | 11 | <10 | <5 | 4490 | 2.2 |
| 886436 | 2120 | <1 | <0.1 | 13 | 0.08 | 874 | 1.46 | 156 | 1.4 | <10 | 65.1 | <0.01 | 16 | <10 | 9 | 807 | 1.6 |
| 886437 | 531 | 19 | <0.1 | 28 | 0.07 | 2000 | 2.07 | 248 | <0.5 | <10 | 13.1 | <0.01 | 3 | <10 | <5 | 345 | 1.8 |
| 886438 | 155 | 23 | <0.1 | 22 | 0.01 | 3270 | 5.07 | 325 | <0.5 | <10 | 7.4 | <0.01 | <2 | <10 | <5 | 4180 | 1.1 |
| 886439 | 672 | <1 | <0.1 | 5 | 0.08 | 15 | 0.06 | <5 | 3.8 | <10 | 119 | 0.03 | 58 | <10 | 10 | 54 | 4.9 |
| 886440 | 614 | <1 | <0.1 | 29 | 0.05 | 7940 | 4.76 | 473 | <0.5 | <10 | 13.1 | <0.01 | 4 | <10 | <5 | 9810 | 1.6 |
| 886441 | 475 | 3 | <0.1 | 37 | 0.06 | 3400 | 2.98 | 359 | 0.8 | <10 | 10.9 | <0.01 | 4 | <10 | <5 | 2870 | 1.7 |
| 886442 | 2310 | <1 | <0.1 | 6 | 0.08 | 6850 | 1.51 | 683 | 1.5 | <10 | 19.7 | <0.01 | 22 | 10 | <5 | 6840 | 1.6 |
| DUP-8864 | 70 | 12 | <0.1 | 7 | 0.06 | 4630 | 0.42 | 826 | <0.5 | <10 | 64.2 | <0.01 | 11 | <10 | <5 | 167 | 2.6 |
| DUP-8864 | 619 | <1 | <0.1 | 29 | 0.05 | 7760 | 4.7 | 472 | <0.5 | <10 | 13.4 | <0.01 | 5 | <10 | <5 | 9660 | 1.5 |

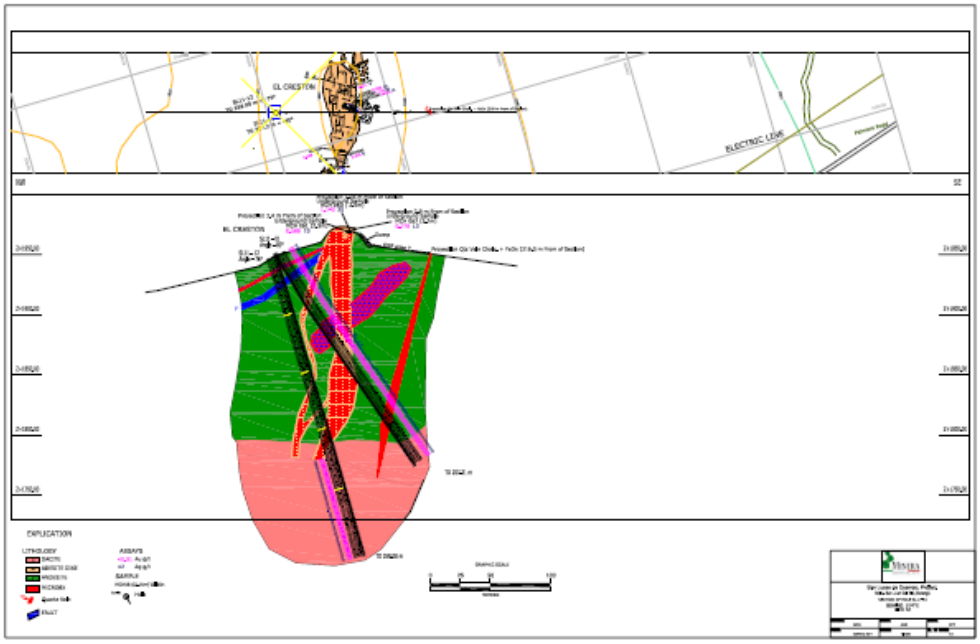
# APPENDIX IV. DRILL HOLE DATA

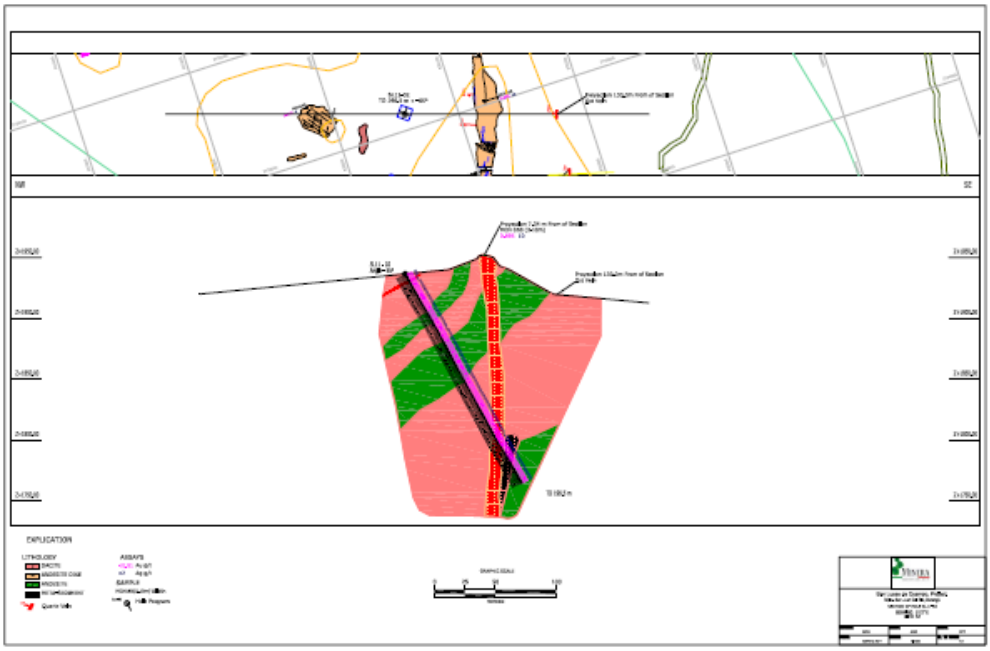
| COMPANY | Drill Hole | North | East | Azimuth | Depth | |
|---|---|---|---|---|---|---|
| Minera Montana | MMSL01 | 2734379.373 | 537245.000 | 310 | 164 | Mtr |
| Minera Montana | MMSL02 | 2734508.298 | 537394.406 | 320 | 166 | Mtr |
| Minera Montana | MMSL03 | 2734321.083 | 537168.141 | 310 | 160 | Mtr |
| Minera Montana | MMSL04 | 2734240.553 | 537101.885 | 310 | 154 | Mtr |
| Minera Montana | MMSL05 | 2734191.657 | 536995.512 | 310 | 158 | Mtr |
| Minera Montana | MMSL06 | 2734130.340 | 536931.199 | 310 | 154 | Mtr |
| Minera Montana | MMSL07 | 2734119.281 | 536804.407 | 310 | 134 | Mtr |
| Minera Montana | MMSL08 | 2734056.616 | 536729.881 | 310 | 150 | Mtr |
| Minera Montana | MMSL09 | 2734045.439 | 536629.702 | 310 | 154 | Mtr |
| Minera Montana | MMSL10 | 2733868.217 | 536355.136 | 310 | 151 | Mtr |
| Minera Montana | MMSL11 | 2733870.185 | 536222.099 | 140 | 160 | Mtr |
| Minera Montana | MMSL12 | 2733799.036 | 536148.969 | 140 | 212 | Mtr |
| Minera Montana | MMSL13 | 2733956.208 | 536412.715 | 140 | 130 | Mtr |
| Minera Montana | MMSL14 | 2734004.081 | 536504.713 | 140 | 170 | Mtr |
| Minera Montana | MMSL15 | 2734005.217 | 536502.918 | | 146 | Mtr |
| Minera Montana | MMSL16 | 2733767.975 | 536307.934 | | 124 | Mtr |
| Minera Montana | MMSL17 | 2734455.073 | 537307.133 | 140 | 160 | Mtr |
| Minera Montana | MMSL18 | 2733636.423 | 536154.329 | 140 | 208 | Mtr |
| Minera Montana | MMSL19 | 2733569.956 | 536079.749 | 310 | 208 | Mtr |
| Minera Montana | MMSL20 | 2734482.380 | 537421.955 | | 122 | Mtr |
| Minera Montana | MMSL21 | 2734472.281 | 537429.059 | 320 | 146 | Mtr |
| Minera Montana | MMSL22 | 2734371.655 | 537381.681 | | 152 | Mtr |
| Minera Montana | MMSL23 | 2734372.446 | 537380.303 | 320 | 170 | Mtr |
| Minera Montana | MMSL24 | 2734415.650 | 537445.097 | | 179 | Mtr |
| Minera Montana | MMSL25 | 2734419.758 | 537446.674 | 320 | 151 | Mtr |
| Minera Montana | MMSL26 | 2734399.455 | 537489.204 | | 200 | Mtr |
| Minera Montana | MMSL27 | 2734405.000 | 537479.000 | 320 | 176 | Mtr |
| Minera Montana | MMSL28 | 2734406.153 | 537276.480 | | 32 | Mtr |
| Minera Montana | MMSL29 | | | | | Mtr |
| Minera Montana | MMSL30 | 2734404.345 | 537350.656 | | 114 | Mtr |
| Minera Montana | MMSL31 | 2734407.963 | 537346.685 | 320 | 184 | Mtr |
| Minera Montana | MMSL32 | 2735405.110 | 538241.853 | | 200 | Mtr |
| Minera Montana | MMSL33 | 2735403.355 | 538243.550 | 140 | 220 | Mtr |
| Minera Montana | MMSL34 | 2735428.086 | 538349.765 | 140 | 140 | Mtr |
| Minera Montana | MMSL35 | 2735405.283 | 538337.064 | 140 | 180 | Mtr |
| Minera Montana | MMSL36 | 2733814.616 | 537208.466 | | 148 | Mtr |
| Minera Montana | MMSL37 | 2735501.665 | 538417.722 | 140 | 188 | Mtr |
| Minera Montana | MMSL38 | 2734971.363 | 537568.261 | | 158 | Mtr |
| Minera Montana | MMSL39 | 2735500.020 | 538419.240 | 140 | 184 | Mtr |
| Minera Montana | MMSL40 | 2735576.312 | 538484.927 | | 110 | Mtr |
| Minera Montana | MMSL41 | 2735578.149 | 538483.418 | 140 | 112 | Mtr |
| Minera Montana | MMSL42 | 2734970.769 | 537568.751 | 140 | 130 | Mtr |

# APPENDIX IV (Cont.). DRILL HOLE DATA

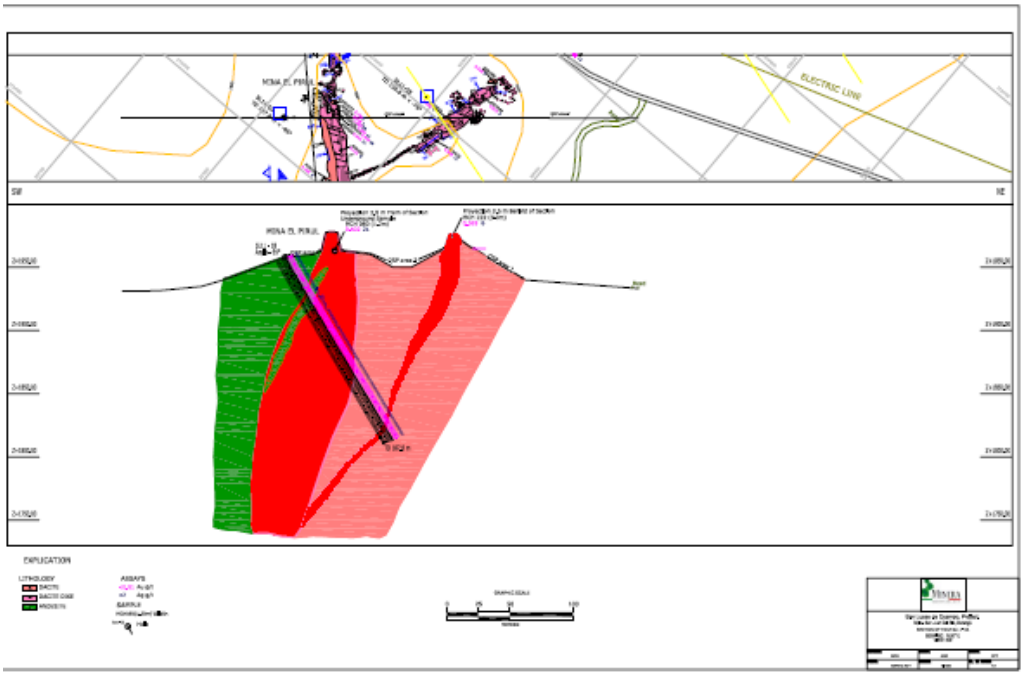
| | | | | | | |
|---|---|---|---|---|---|---|
| Minera Montana | MMSL43 | 2735641.880 | 538546.437 | | 106 | Mtr |
| Minera Montana | MMSL44 | 2735643.026 | 538545.557 | 140 | 150 | Mtr |
| Minera Montana | MMSL45 | 2735470.905 | 538350.710 | | 200 | Mtr |
| Minera Montana | MMSL46 | 2735453.384 | 538327.048 | 140 | 166 | Mtr |
| Minera Montana | MMSL47 | 2735042.804 | 537635.508 | | 128 | Mtr |
| Minera Montana | MMSL48 | 2735042.537 | 537635.863 | 140 | 150 | Mtr |
| Minera Montana | MMSL49 | 2735288.672 | 538077.044 | 130 | 128 | Mtr |
| Minera Montana | MMSL50 | 2733778.108 | 537239.244 | 130 | 124 | Mtr |
| Minera Montana | MMSL50v | 2733776.855 | 537241.164 | | 140 | Mtr |
| Minera Montana | MMSL51 | 2735355.113 | 538151.719 | 130 | 164 | Mtr |
| Minera Montana | MMSL52 | 2733887.395 | 537136.421 | 120 | 130 | Mtr |
| Minera Montana | MMSL52v | 2733886.369 | 537139.069 | | 150 | Mtr |
| Minera Montana | MMSL53 | 2733931.886 | 537099.567 | | 168 | Mtr |
| Minera Montana | MMSL54 | 2733933.695 | 537097.928 | 320 | 208 | Mtr |
| Minera Montana | MMSL55 | 2733854.852 | 537167.326 | | 88 | Mtr |
| Minera Montana | MMSL56 | 2733856.742 | 537165.491 | 320 | 104 | Mtr |
| Minera Montana | MMSL57 | 2734290.504 | 537452.073 | | 142 | Mtr |
| Minera Montana | MMSL58 | 2734291.961 | 537450.684 | 320 | 150 | Mtr |
| Minera Montana | MMSL59 | 2734257.505 | 537483.335 | | 204 | Mtr |
| Minera Montana | MMSL60 | 2734259.237 | 537481.838 | 320 | 210 | Mtr |
| Minera Montana | MMSL61 | 2734220.569 | 537377.473 | | 160 | Mtr |
| Minera Montana | MMSL62 | 2734222.353 | 537375.897 | 320 | 126 | Mtr |
| Minera Montana | MMSL63 | 2734184.604 | 537410.675 | | 126 | Mtr |
| Minera Montana | MMSL64 | 2734186.488 | 537409.296 | 320 | 140 | Mtr |
| Minera Montana | MMSL65 | 2734013.576 | 537305.173 | | 60 | Mtr |
| Minera Mantos | SL11 - 01 | 2 734 837 | 538007 | 106 | 680 | Ft |
| Minera Mantos | SL11 - 02 | 2 735 013 | 538058 | 108 | 645 | Ft |
| Minera Mantos | SL11 - 03 | 2 734 323 | 537818 | 50 | 550 | Ft |
| Minera Mantos | SL11 - 04 | 2 734 417 | 537732 | 49 | 455 | Ft |
| Minera Mantos | SL11 - 05 | 2 734 406 | 537894 | 106 | 445 | Ft |
| Minera Mantos | SL11 - 06 | 2 734 113 | 537931 | 105 | 640 | Ft |
| Minera Mantos | SL11 - 07 | 2734012 | 537727 | 132 | 660 | Ft |
| Minera Mantos | SL11 - 08 | 2 734 012 | 537727 | 132 | 625 | Ft |
| Minera Mantos | SL11 - 09 | 2 733660 | 537427 | 119 | 600 | Ft |
| Minera Mantos | SL11-010 | 2734383 | 537764 | 48 | 450 | Ft |
| Minera Mantos | SL11-011 | 2 734 627 | 537 962 | 107 | 500 | Ft |
| Minera Mantos | SL11-012 | 2 734 834 | 538 002 | 106 | 850 | Ft |
| Minera Mantos | SL11-013 | 2 735 255 | 538 164 | 127 | 730 | Ft |
| Minera Mantos | SL11-014 | 2 735 093 | 538 096 | 108 | 680 | Ft |

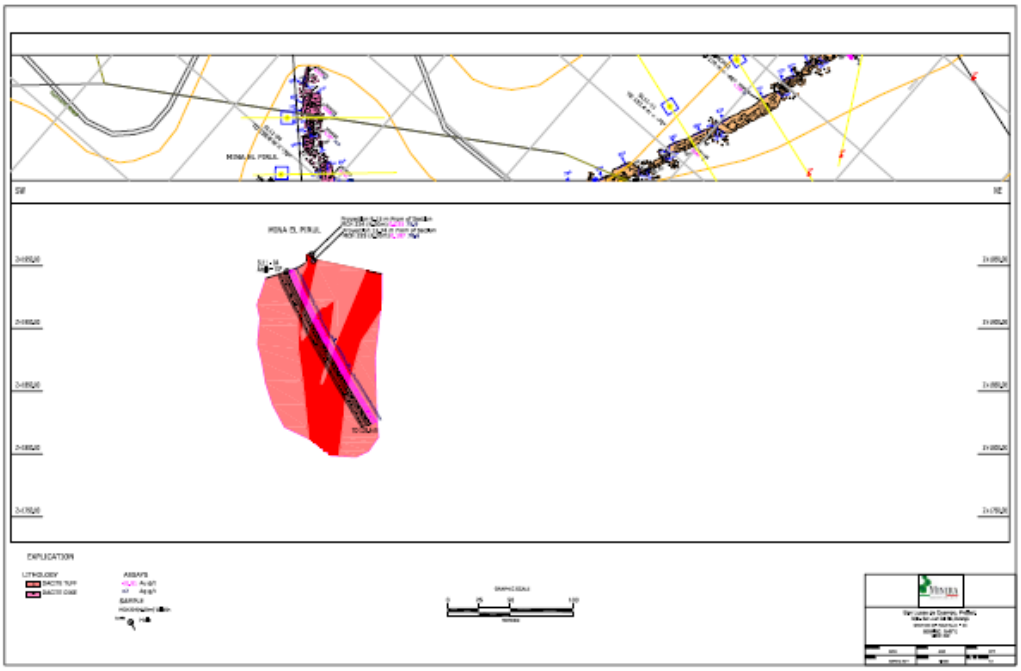
# APPENDIX V – MINERA MANTOS DRILL HOLE SECTIONS



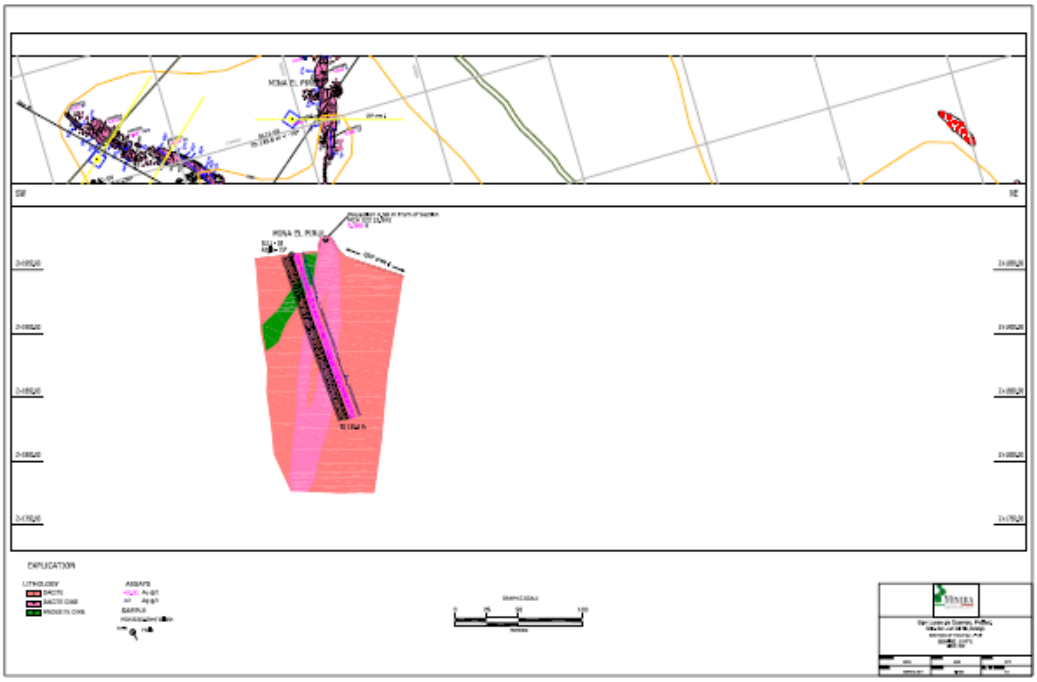


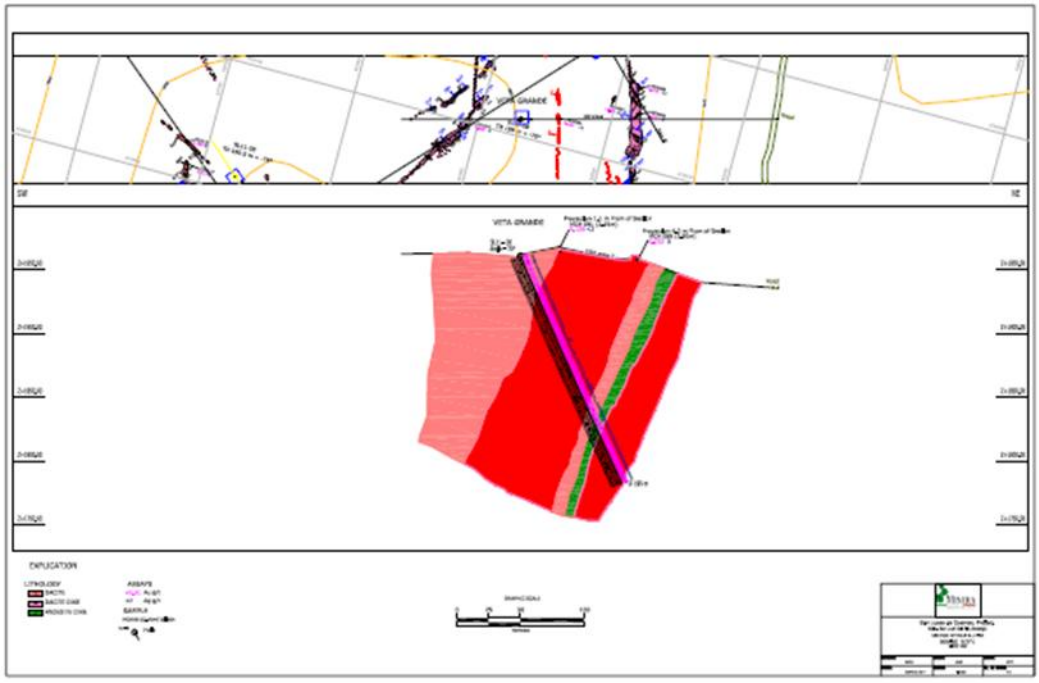
# APPENDIX V (Cont.) – MINERA MANTOS DRILL HOLE SECTIONS



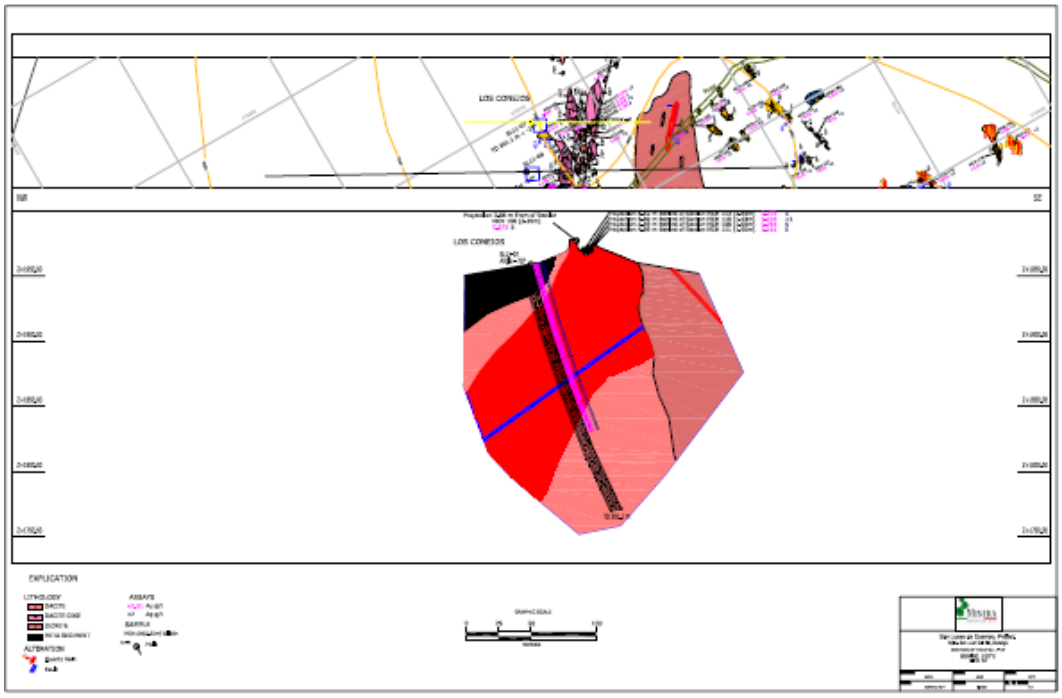


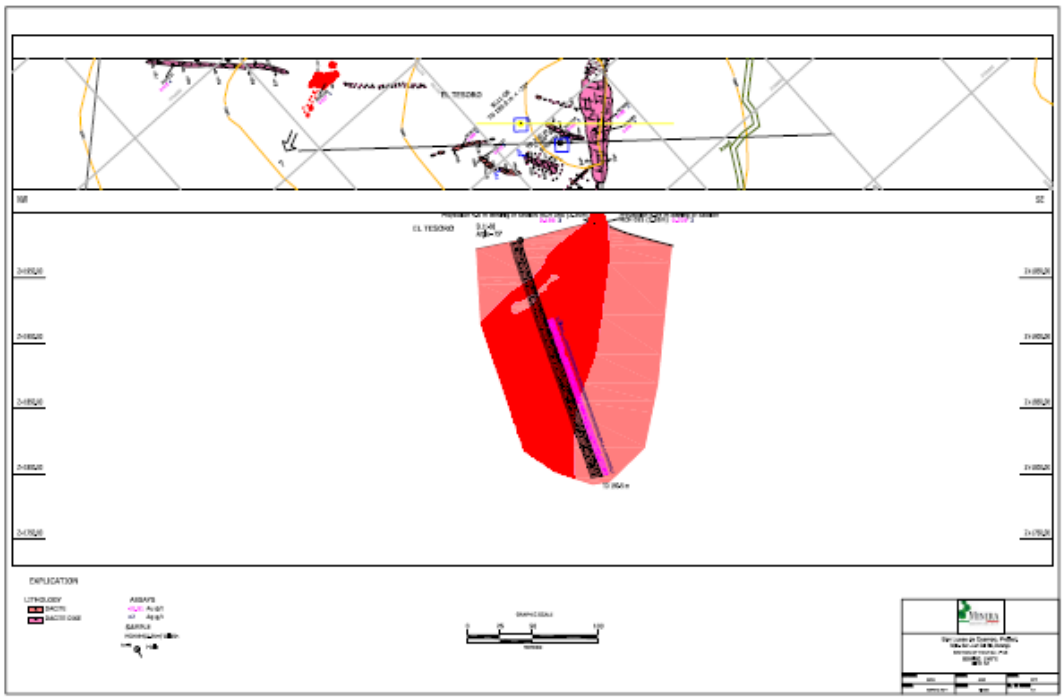
# APPENDIX V (Cont.) – MINERA MANTOS DRILL HOLE SECTIONS



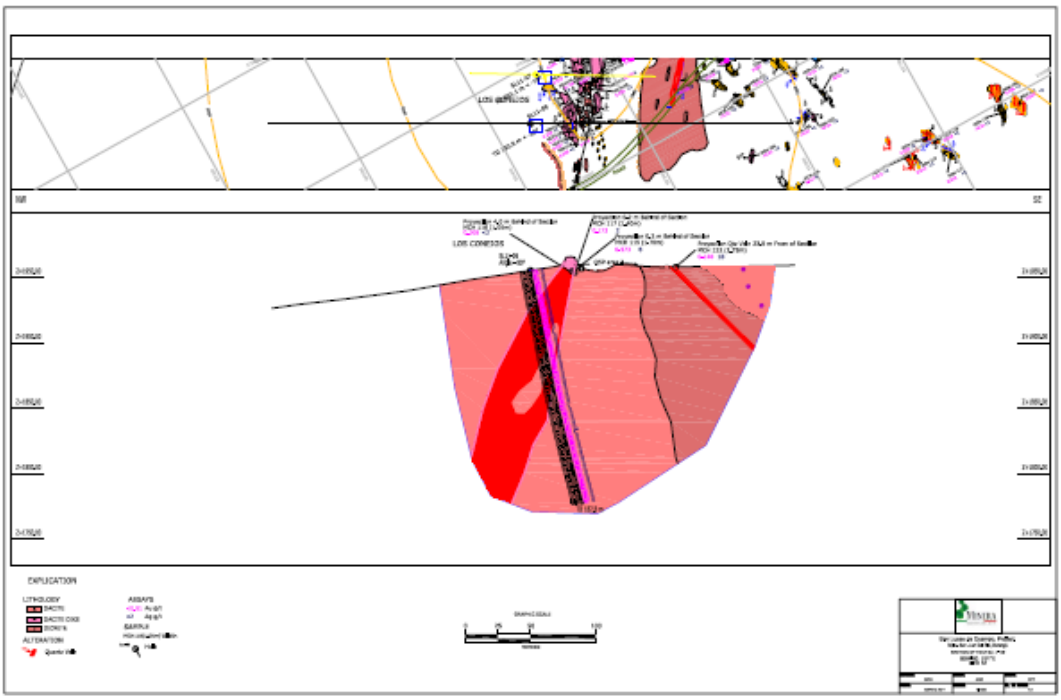

VETA GRANDE
SW
NE
EXPLICATION

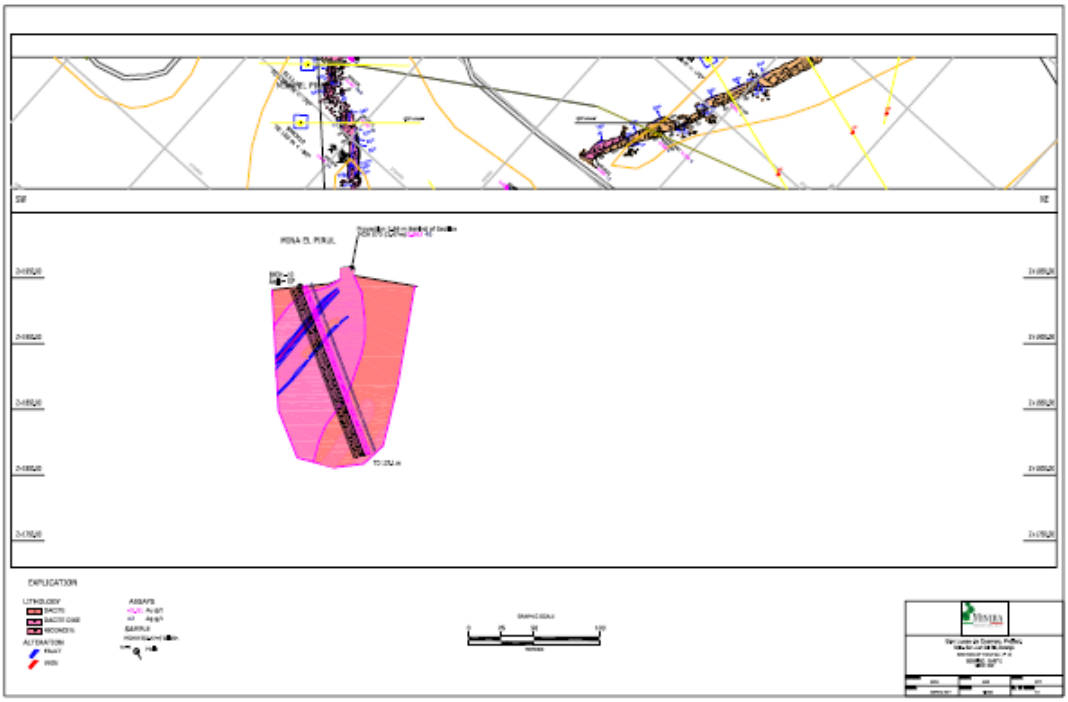
# APPENDIX V (Cont.) – MINERA MANTOS DRILL HOLE SECTIONS




EL TESORO
EXPLICATION
LITHOLOGY
ASSAYS

# APPENDIX V (Cont.) – MINERA MANTOS DRILL HOLE SECTIONS




SW
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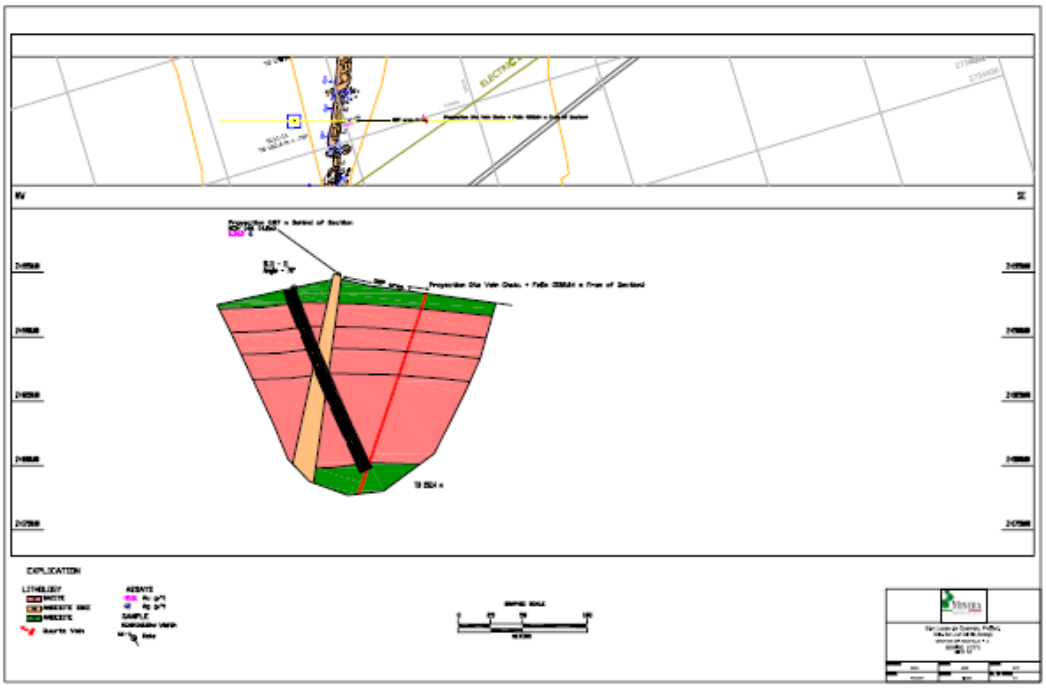
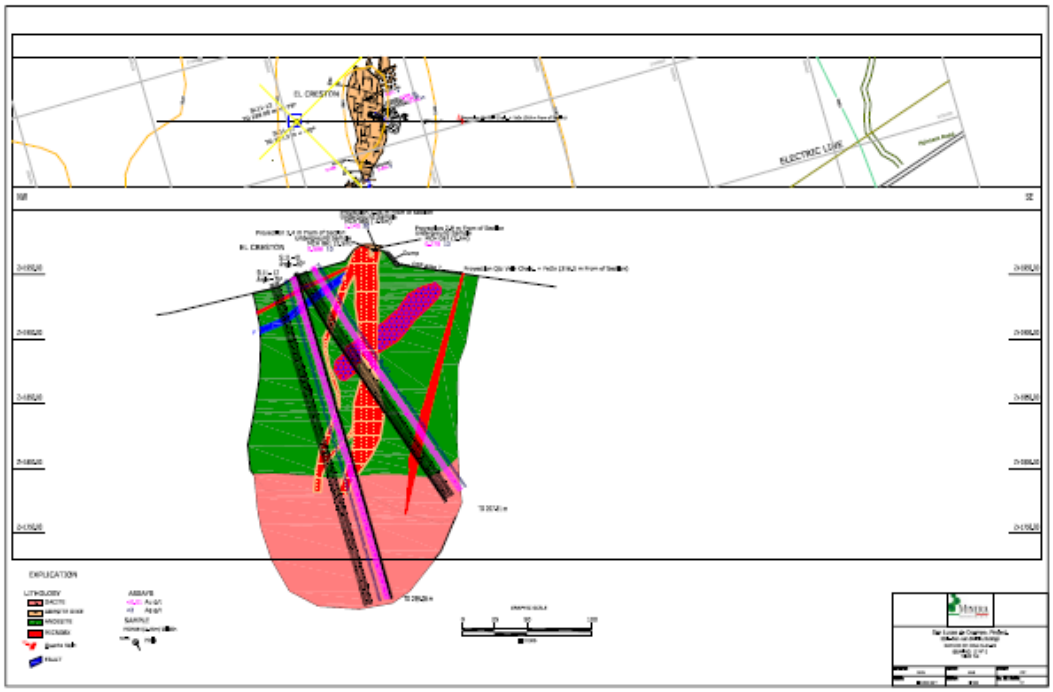
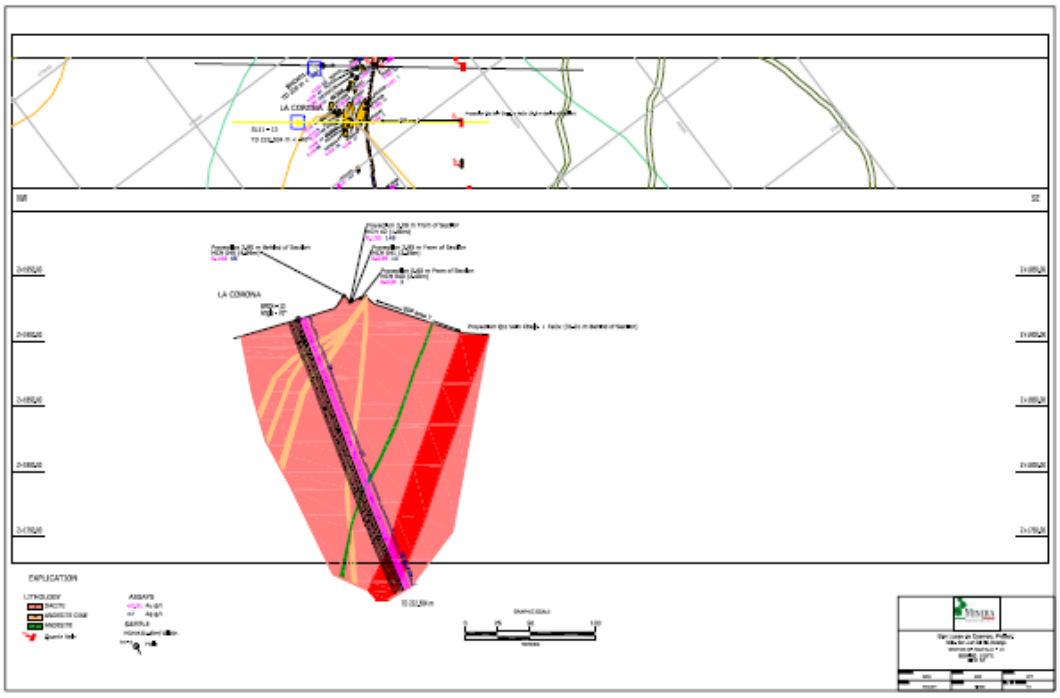
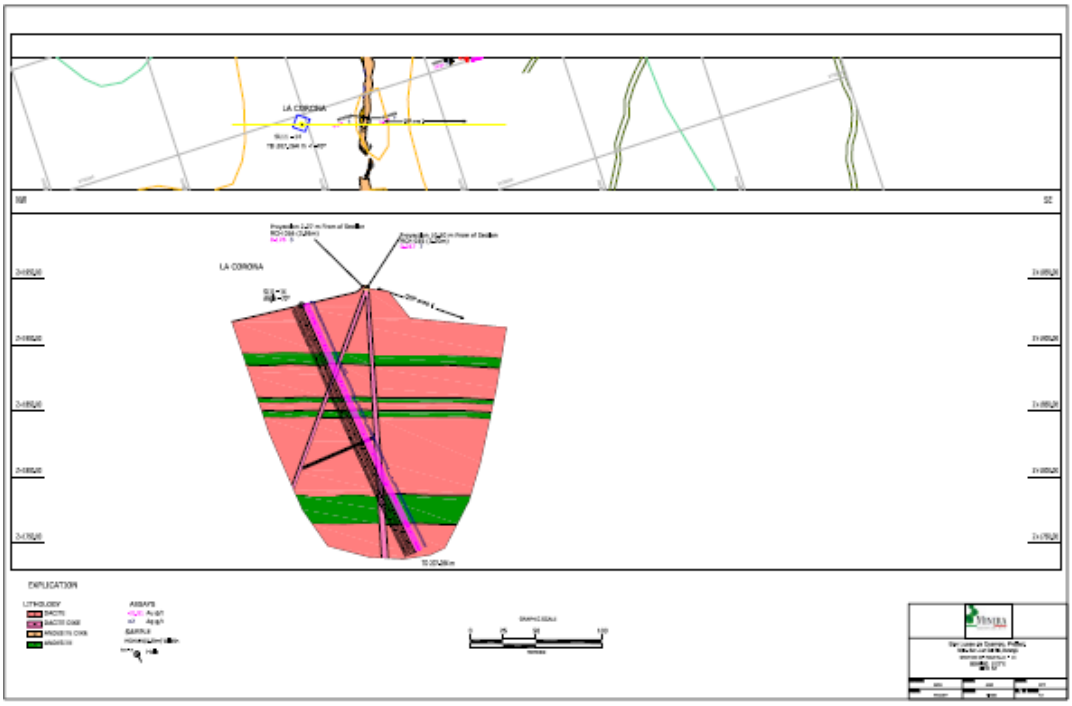
# APPENDIX V (Cont.) – MINERA MANTOS DRILL HOLE SECTIONS




EL CRESTON
ELECTRIC LOAF
EXPLICATION

# APPENDIX V (Cont.) – MINERA MANTOS DRILL HOLE SECTIONS




LA CORONA
LA CORONA
EXPLICATION

# APPENDIX VI. HISTORICAL MINERA MONTANA REVERSE CIRCULATION DRILL HOLES AND 2010 RE-SAMPLING

APPENDIX VI a) DRILL HOLE COLLAR COORDINATES

| DRILL HOLE | EASTING | NORTHING | INCLINED |
|---|---|---|---|
| MMSL-34 | 538332 | 2735436 | YES |
| MMSL-35 | 538323 | 2735413 | YES |
| MMSL-45 | 538309 | 2735463 | NO |
| MMSL-46 | 538309 | 2735462 | NO |

APPENDIX VI b) DRILL HOLE COLLAR PHOTOS

MMSL-34

MMSL-35


MMSL-45


MMSL-46

APPENDIX VI c) RE-SAMPLING PHOTOS

The samples were located on the shelves in the sample storage facility. They were placed on a plastic sheet and mixed by rolling. The sample pile was then manually split, ¾ returned for storage and ¼ bagged for analysis.

# APPENDIX VII. MINERA MONTANA DRILL HOLES WITH EXTREME GOLD ASSAYS

DRILL HOLE ASSAYS

| Sample Designation | Au ppb FAGRAV | Au ppm FAGRAV | Ag ppm ICP |
|---|---|---|---|
| MMSL 07-57 M13 24'-26' | <34 | <0.034 | <0.1 |
| MMSL 07-57 M14 26'-28' | 514275 | 514.275 | <0.1 |
| MMSL 07-57 M15 28'-30' | 69 | 0.069 | <0.1 |
| MMSL 07-57 M16 30'-32' | <34 | <0.034 | <0.1 |
| | | | |
| MMSL 07-57 M19 36'-38' | <34 | <0.034 | <0.1 |
| MMSL 07-57 M20 38'-40' | 342850 | 342.85 | <0.1 |
| MMSL 07-57 M20 D | <34 | <0.034 | <0.1 |
| | | | |
| MMSL 07-57 M25 48'-50' | <34 | <0.034 | <0.1 |
| MMSL 07-57 M26 50'-52' | 514275 | 514.275 | <0.1 |
| MMSL 07-57 M27 52'-54' | <34 | <0.034 | <0.1 |
| | | | |
| MMSL 07-57 M39 76'-78' | <34 | <0.034 | <0.1 |
| MMSL 07-57 M40 78'-80' | 685700 | 685.7 | <0.1 |
| MMSL 07-57 M40 D | <34 | <0.034 | <0.1 |
| | | | |
| MMSL 07-60 M54 106'-108' | <34 | <0.034 | <0.1 |
| MMSL 07-60 M55 108'-110' | 342850 | 342.85 | 1 |
| MMSL 07-60 M56 110'-112' | 685700 | 685.7 | 8.5 |
| MMSL 07-60 M57 112'-114' | 342850 | 342.85 | 3 |
| | | | |
| MMSL 07-60 M97 192'-194' | <34 | <0.034 | <0.1 |
| MMSL 07-60 M98 194'-196' | 342850 | 342.85 | 0.4 |
| MMSL 07-60 M99 196'-198' | <34 | <0.034 | 0.7 |
| | | | |
| MMSL 07-64 M1 0'-2' | <34 | <0.034 | |
| MMSL 07-64 M2 2'-4' | 342850 | 342.85 | |
| MMSL 07-64 M3 4'-6' | 103 | 0.103 | |
| | | | |
| MMSL 07-64 M1 0'-2' | <34 | <0.034 | |
| MMSL 07-64 M2 2'-4' | 342850 | 342.85 | |
| MMSL 07-64 M3 4'-6' | 103 | 0.103 | |
| MMSL 07-64 M40 78'-80' | 514275 | 514.275 | |
| MMSL 07-64 M40 D | <34 | <0.034 | |
| | | | |
| MMSL 07-64 M50 98'-100' | <34 | <0.034 | |
| MMSL 07-64 M51 100'-102' | 342850 | 342.85 | |

# APPENDIX VII (cont. ). MINERA MONTANA DRILL HOLES WITH EXTREME GOLD ASSAYS

**DRILL HOLE COLLARS, DEPTH, INCLINATION AND AZIMUTH**

| DRILL HOLE | EAST | NORTH | DEPTH | INCLINATION | AZIMUTH |
|---|---|---|---|---|---|
| MMSL 07-57 | 537452 | 2734290 | 142 m. | 90 | -1 |
| MMSL 07-60 | 537482 | 2734259 | 210 m. | 60 | 320 |
| MMSL 07-64 | 537409 | 2734186 | 140 m. | 60 | 320 |

Note: Coordinates are NAD 27 Mexico

**PROPOSED DRILL PROGRAM**

| Drill Hole | Proposed Depth |
|---|---|
| M. Montana Twin MMSL 07-57 | 30 m. |
| M. Montana Twin MMSL 07-60 | 70 m. |
| M. Montana Twin MMSL 07-64 | 40 m. |
| Stepout hole #1 | 100 m. |
| Stepout hole #2 | 100 m. |
| **GRAND TOTAL** | **340 m.** |

# APPENDIX VIII– 2011 MINERA MANTOS DRILL HOLE ASSAYS

**DRILL HOLE SL11-01**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | | g/t | | ppm | |
| SL11-01 0-5 | <0.01 | | N.A. | | <2 | |
| DUP SL11-01 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-01 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-01 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-01 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-01 20-25 | 0.01 | | N.A. | | <2 | |
| SL11-01 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-01 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-01 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-01 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-01 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-01 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-01 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-01 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-01 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-01 70-75 | 0.069 | | N.A. | | 3 | |
| SL11-01 70-75A | 1.212 | | 83.3 | | >10 | |
| SL11-01 75-80 | 0.018 | | N.A. | | <2 | |
| SL11-01 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-01 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-01 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-01 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-01 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-02 100-105 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-01 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-01 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-01 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-01 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-01 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-01 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-01 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-01 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-01 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-01 145-150A | 1.225 | | 84.8 | | >10 | |
| SL11-01 150-155 | <0.01 | | N.A. | | 3 | |
| SL11-01 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-01 160-165 | <0.01 | | N.A. | | 3 | |
| SL11-01 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-01 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-01 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-01 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-01 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-01 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-01 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-01 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-01 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-01 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-01 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-01 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-01 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-01 220-225A | 1.216 | | 82.9 | | >10 | |
| SL11-01 225-230 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-01 225-230 | | <0.01 | | N.A. | | <2 |
| SL11-01 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-01 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-01 240-245 | 0.026 | | N.A. | | 3 | |
| SL11-01 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-01 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-01 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-01 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-01 265-270 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-01 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-01 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-01 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-01 285-290 | 0.044 | | N.A. | | 2 | |
| SL11-01 290-295 | 0.814 | | 16.4 | | >10 | |
| SL11-01 295-300 | 1.223 | | 21.6 | | >10 | |
| SL11-01 295-300A | 1.196 | | 85.3 | | >10 | |
| SL11-01 300-305 | 0.68 | | N.A. | | 10 | |
| SL11-01 305-310 | 0.753 | | 11 | | >10 | |
| SL11-01 310-315 | 0.521 | | N.A. | | 8 | |
| SL11-01 315-320 | 0.99 | | 13.3 | | >10 | |
| SL11-01 320-325 | 0.492 | | N.A. | | 9 | |
| DUP-SL11-01 320-325 | | 0.495 | | N.A. | | 9 |
| SL11-01 325-330 | 0.839 | | 12.5 | | >10 | |
| SL11-01 330-335 | 0.429 | | N.A. | | 6 | |
| SL11-01 335-340 | 0.077 | | N.A. | | 2 | |
| SL11-01 340-345 | 0.034 | | N.A. | | 2 | |
| SL11-01 345-350 | 0.173 | | N.A. | | 4 | |
| SL11-01 350-355 | 0.029 | | N.A. | | 4 | |
| SL11-01 355-360 | 0.033 | | N.A. | | 3 | |
| SL11-01 360-365 | 0.044 | | N.A. | | 3 | |
| SL11-01 365-370 | 0.052 | | N.A. | | <2 | |
| SL11-01 370-375 | 0.041 | | N.A. | | 3 | |
| SL11-01 370-375A | 1.187 | | 85.8 | | >10 | |
| SL11-01 375-380 | 0.033 | | N.A. | | 3 | |
| SL11-01 380-385 | 0.08 | | N.A. | | 3 | |
| SL11-01 385-390 | 0.066 | | N.A. | | 5 | |
| SL11-01 390-395 | 0.064 | | N.A. | | 4 | |
| SL11-01 395-400 | 0.017 | | N.A. | | 6 | |
| SL11-01 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-01 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-01 410-415 | 0.033 | | N.A. | | 4 | |
| SL11-01 415-420 | 0.013 | | N.A. | | <2 | |
| DUP-SL11-01 415-420 | | 0.015 | | N.A. | | <2 |
| SL11-01 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-01 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-01 430-435 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-01 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-01 440-445 | 0.021 | | N.A. | | <2 | |
| SL11-01 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-01 445-450A | 1.219 | | 83.3 | | >10 | |
| SL11-01 450-455 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-01 450-455 | | <0.01 | | N.A. | | <2 |
| SL11-01 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-01 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-01 465-470 | <0.01 | | N.A. | | <2 | |
| SL11-01 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-01 475-480 | <0.01 | | N.A. | | 3 | |
| SL11-01 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-01 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-01 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-01 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-01 500-505 | <0.01 | | N.A. | | 2 | |
| SL11-01 505-510 | <0.01 | | N.A. | | <2 | |
| SL11-02 510-515 | <0.01 | | N.A. | | <2 | |
| SL11-01 515-520 | <0.01 | | N.A. | | <2 | |
| SL11-01 520-525 | <0.01 | | N.A. | | <2 | |
| SL11-01 520-525A | 1.226 | | 83.8 | | >10 | |
| SL11-01 525-530 | <0.01 | | N.A. | | <2 | |
| SL11-01 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-01 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-01 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-01 545-550 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-01 545-550 | | <0.01 | | N.A. | | <2 |
| SL11-01 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-01 555-560 | 0.01 | | N.A. | | 3 | |
| SL11-01 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-01 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-01 570-575 | <0.01 | | N.A. | | <2 | |
| SL11-01 575-580 | <0.01 | | N.A. | | <2 | |
| SL11-01 580-585 | <0.01 | | N.A. | | <2 | |
| SL11-01 585-590 | <0.01 | | N.A. | | <2 | |
| SL11-01 590-595 | <0.01 | | N.A. | | <2 | |
| SL11-01 595-600 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-01 595-600A | 1.207 | | 83 | | >10 | |
| SL11-01 600-605 | <0.01 | | N.A. | | <2 | |
| SL11-01 605-610 | <0.01 | | N.A. | | <2 | |
| SL11-01 610-615 | <0.01 | | N.A. | | <2 | |
| SL11-01 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-01 620-625 | <0.01 | | N.A. | | <2 | |
| SL11-01 625-630 | <0.01 | | N.A. | | <2 | |
| SL11-01 630-635 | <0.01 | | N.A. | | <2 | |
| SL11-01 635-640 | <0.01 | | N.A. | | <2 | |
| SL11-01 640-645 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-01 640-645 | | <0.01 | | N.A. | | <2 |
| SL11-01 645-650 | <0.01 | | N.A. | | <2 | |
| SL11-01 650-655 | <0.01 | | N.A. | | <2 | |
| SL11-01 655-660 | <0.01 | | N.A. | | <2 | |
| SL11-01 660-665 | <0.01 | | N.A. | | <2 | |
| SL11-01 665-670 | <0.01 | | N.A. | | <2 | |
| SL11-01 670-675 | <0.01 | | N.A. | | <2 | |
| SL11-01 670-675A | 1.199 | | 83.5 | | >10 | |
| SL11-01 675-680 | <0.01 | | N.A. | | <2 | |

**DRILL HOLE SL11-02**

| **ANALYTE** | **Au** | **Au** | **Ag** | **Ag** | **Ag** | **Ag** |
|---|---|---|---|---|---|---|
| **METHOD** | **FAA313** | **FAA313** | **AAS21E** | **AAS21E** | **ICP14B** | **ICP14B** |
| **DETECTION** | **0.01** | **0.01** | **0.5** | **0.5** | **2** | **2** |
| **UNITS** | **g/t** | **g/t** | **g/t** | **g/t** | **ppm** | **ppm** |
| SL11-02 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-02 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-02 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-02 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-02 15-20 | <0.01 | | N.A. | | 3 | |
| SL11-02 20-25 | <0.01 | | N.A. | | 3 | |
| SL11-02 25-30 | <0.01 | | N.A. | | 2 | |
| SL11-02 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-02 35-40 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-02 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-02 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-02 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-02 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-02 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-02 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-02 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-02 70-75A | 1.189 | | 84.4 | | >10 | |
| SL11-02 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-02 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-02 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-02 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-02 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-02 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-02 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-02 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-02 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-02 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-02 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-02 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-02 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-02 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-02 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-02 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-02 145-150A | 1.211 | | 84.3 | | >10 | |
| SL11-02 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-02 155-160 | 0.013 | | N.A. | | <2 | |
| SL11-02 160-165 | 0.026 | | N.A. | | <2 | |
| SL11-02 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-02 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-02 175-180 | <0.01 | | N.A. | | 2 | |
| SL11-02 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-02 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-02 190-195 | 0.038 | | N.A. | | <2 | |
| DUP-SL11-02 190-195 | | 0.03 | | N.A. | | <2 |
| SL11-02 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-02 200-205 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-02 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-02 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-02 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-02 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-02 220-225A | 1.168 | | 81.5 | | >10 | |
| DUP-SL11-02 220-225 | | <0.01 | | N.A. | | <2 |
| SL11-02 225-230 | <0.01 | | N.A. | | <2 | |
| SL11-02 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-02 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-02 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-02 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-02 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-02 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-02 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-02 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-02 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-02 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-02 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-02 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-02 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-02 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-02 295-300A | 1.181 | | 80 | | >10 | |
| SL11-02 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-02 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-02 310-315 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-02 310-315 | | <0.01 | | N.A. | | <2 |
| SL11-02 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-02 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-02 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-02 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-02 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-02 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-02 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-02 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-02 355-360 | <0.01 | | N.A. | | <2 | |
| SL11-02 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-02 365-370 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-02 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-02 370-375A | 1.176 | | 80.8 | | >10 | |
| SL11-02 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-02 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-02 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-02 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-02 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-02 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-02 405-410 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-02 405-410 | | <0.01 | | N.A. | | <2 |
| SL11-02 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-02 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-02 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-02 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-02 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-02 435-440 | <0.01 | | N.A. | | <2 | |
| DUPSL11-02 435-440 | | <0.01 | | N.A. | | <2 |
| SL11-02 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-02 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-02 445-450A | 1.148 | | 83.2 | | >10 | |
| SL11-02 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-02 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-02 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-02 465-470 | <0.01 | | N.A. | | <2 | |
| SL11-02 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-02 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-02 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-02 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-02 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-02 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-02 500-505 | 0.028 | | N.A. | | 3 | |
| SL11-02 505-510 | 0.066 | | N.A. | | 3 | |
| SL11-02 510-515 | 0.05 | | N.A. | | <2 | |
| SL11-02 515-520 | 0.074 | | N.A. | | <2 | |
| SL11-02 520-525 | 0.053 | | N.A. | | <2 | |
| SL11-02 520-525A | 1.18 | | 83.5 | | >10 | |
| SL11-02 525-530 | 0.032 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| DUP-SL11-02 525-530 | | 0.033 | | N.A. | | <2 |
| SL11-02 530-535 | 0.03 | | N.A. | | <2 | |
| SL11-02 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-02 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-02 545-550 | <0.01 | | N.A. | | <2 | |
| SL11-02 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-02 555-560 | <0.01 | | N.A. | | <2 | |
| SL11-02 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-02 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-02 570-575 | <0.01 | | N.A. | | <2 | |
| SL11-02 575-580 | <0.01 | | N.A. | | <2 | |
| SL11-02 580-585 | <0.01 | | N.A. | | <2 | |
| SL11-02 585-590 | <0.01 | | N.A. | | <2 | |
| SL11-02 590-595 | <0.01 | | N.A. | | <2 | |
| SL11-02 595-600 | <0.01 | | N.A. | | <2 | |
| SL11-02 595-600A | 1.18 | | 84.6 | | >10 | |
| SL11-02 600-605 | <0.01 | | N.A. | | <2 | |
| SL11-02 605-610 | <0.01 | | N.A. | | <2 | |
| SL11-02 610-615 | <0.01 | | N.A. | | <2 | |
| SL11-02 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-02 620-625 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-02 620-625 | | <0.01 | | N.A. | | <2 |
| SL11-02 625-630 | <0.01 | | N.A. | | <2 | |
| SL11-02 630-635 | <0.01 | | N.A. | | <2 | |
| SL11-02 635-640 | <0.01 | | N.A. | | <2 | |
| SL11-02 640-645 | <0.01 | | N.A. | | <2 | |

## DRILL HOLE SL11-03

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-03 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-03 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-03 5-10 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-03 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-03 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-03 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-03 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-03 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-03 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-03 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-03 45-50 | 0.045 | | N.A. | | <2 | |
| SL11-03 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-03 55-60 | 0.034 | | N.A. | | 3 | |
| SL11-03 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-03 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-03 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-03 70-75A | 1.168 | | 86.2 | | >10 | |
| SL11-03 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-03 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-03 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-03 90-95 | <0.01 | | N.A. | | 2 | |
| SL11-03 95-100 | 0.168 | | 56.2 | | >10 | |
| DUP-SL11-03 95-100 | | 0.167 | | N.A. | | >10 |
| SL11-02 100-105 | 0.014 | | N.A. | | 9 | |
| SL11-03 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-03 110-115 | <0.01 | | N.A. | | 4 | |
| SL11-03 115-120 | <0.01 | | 17.1 | | >10 | |
| SL11-03 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-03 125-130 | <0.01 | | N.A. | | 7 | |
| SL11-03 130-135 | <0.01 | | N.A. | | 4 | |
| SL11-03 135-140 | <0.01 | | 39.3 | | >10 | |
| SL11-03 140-145 | 0.026 | | 11.7 | | >10 | |
| SL11-03 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-03 145-150A | 1.183 | | 89.8 | | >10 | |
| SL11-03 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-03 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-03 160-165 | <0.01 | | N.A. | | 2 | |
| SL11-03 165-170 | 0.013 | | N.A. | | 2 | |
| SL11-03 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-03 175-180 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-03 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-03 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-03 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-03 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-03 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-03 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-03 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-03 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-03 215-220 | 0.012 | | N.A. | | 7 | |
| SL11-03 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-03 220-225A | 1.154 | | 88 | | >10 | |
| SL11-03 225-230 | <0.01 | | N.A. | | <2 | |
| SL11-03 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-03 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-03 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-03 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-03 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-03 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-03 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-03 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-03 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-03 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-03 280-285 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-03 280-285 | | <0.01 | | N.A. | | <2 |
| SL11-03 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-03 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-03 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-03 295-300A | 1.165 | | 88.8 | | >10 | |
| SL11-03 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-03 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-03 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-03 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-03 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-03 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-03 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-03 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-03 340-345 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-03 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-03 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-03 355-360 | <0.01 | | N.A. | | <2 | |
| SL11-03 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-03 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-03 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-03 370-375A | 1.153 | | 87.6 | | >10 | |
| DUP-SL11-03 370-375A | | 1.174 | | N.A. | | >10 |
| SL11-03 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-03 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-03 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-03 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-03 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-03 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-03 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-03 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-03 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-03 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-03 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-03 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-03 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-03 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-03 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-03 445-450A | 1.236 | | 95.5 | | >10 | |
| SL11-03 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-03 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-03 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-03 465-470 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-03 465-470 | | <0.01 | | N.A. | | <2 |
| SL11-03 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-03 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-03 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-03 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-03 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-03 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-03 500-505´ | <0.01 | | N.A. | | <2 | |
| SL11-03 505-510 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-02 510-515 | <0.01 | | N.A. | | <2 | |
| SL11-03 515-520 | <0.01 | | N.A. | | <2 | |
| SL11-03 520-525 | <0.01 | | N.A. | | <2 | |
| SL11-03 520-525A | 1.193 | | 87.3 | | >10 | |
| SL11-03 525-530 | <0.01 | | N.A. | | <2 | |
| SL11-03 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-03 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-03 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-03 545-550 | <0.01 | | N.A. | | <2 | |

**DRILL HOLE SL11-04**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-04 0-5 | <0.01 | | N.A. | | 3 | 3 |
| DUP-SL11-04 0-5 | | <0.01 | | N.A. | | 3 |
| SL11-04 5-10 | <0.01 | | N.A. | | 4 | |
| SL11-04 10-15 | <0.01 | | N.A. | | 9 | |
| SL11-04 15-20 | <0.01 | | N.A. | | 2 | |
| SL11-04 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-04 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-04 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-04 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-04 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-04 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-04 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-04 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-04 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-04 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-04 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-04 70-75A | 1.172 | | 88.8 | | >10 | |
| SL11-04 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-04 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-04 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-04 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-04 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-04 95-100 | | <0.01 | | N.A. | | <2 |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-04 100-105 | <0.01 | | N.A. | | 2 | |
| SL11-04 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-04 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-04 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-04 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-04 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-04 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-04 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-04 140-145 | 0.01 | | N.A. | | <2 | |
| SL11-04 145-150 | 0.026 | | N.A. | | 4 | |
| SL11-04 145-150A | 1.217 | | 86.9 | | >10 | |
| SL11-04 150-155 | <0.01 | | N.A. | | 3 | |
| SL11-04 155-160 | <0.01 | | N.A. | | 3 | |
| SL11-04 160-165 | <0.01 | | N.A. | | 2 | |
| SL11-04 165-170 | 0.011 | | N.A. | | 4 | |
| SL11-04 170-175 | <0.01 | | N.A. | | 5 | |
| SL11-04 175-180 | <0.01 | | N.A. | | 3 | |
| SL11-04 180-185 | <0.01 | | N.A. | | 3 | |
| SL11-04 185-190 | <0.01 | | N.A. | | 4 | |
| SL11-04 190-195 | 0.01 | | N.A. | | 4 | |
| DUP-SL11-04 190-195 | | 0.012 | | N.A. | | 5 |
| SL11-04 195-200 | 0.018 | | N.A. | | 4 | |
| SL11-04 200-205 | 0.041 | | N.A. | | 10 | |
| SL11-04 205-210 | 0.068 | | 25 | | >10 | |
| SL11-04 210-215 | 0.057 | | 16.6 | | >10 | |
| SL11-04 215-220 | <0.01 | | N.A. | | 5 | |
| SL11-04 220-225 | <0.01 | | N.A. | | 4 | |
| SL11-04 220-225A | 1.144 | | 88.3 | | >10 | |
| SL11-04 225-230 | <0.01 | | N.A. | | 2 | |
| SL11-04 230-235 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-04 230-235 | | <0.01 | | N.A. | | <2 |
| SL11-04 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-04 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-04 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-04 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-04 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-04 260-265 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-04 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-04 270-275 | <0.01 | | N.A. | | 2 | |
| SL11-04 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-04 280-285 | <0.01 | | N.A. | | 2 | |
| SL11-04 285-290 | 0.025 | | 36.7 | | >10 | |
| SL11-04 290-295 | 0.081 | | 145 | | >10 | |
| SL11-04 295-300 | 0.016 | | N.A. | | 4 | |
| SL11-04 295-300A | 1.231 | | 86.4 | | >10 | |
| SL11-04 300-305 | 0.012 | | N.A. | | 6 | |
| SL11-04 305-310 | <0.01 | | N.A. | | 7 | |
| SL11-04 310-315 | <0.01 | | N.A. | | 4 | |
| SL11-04 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-04 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-04 325-330 | <0.01 | | N.A. | | 4 | |
| DUP-SL11-04 325-330 | | <0.01 | | N.A. | | 4 |
| SL11-04 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-04 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-04 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-04 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-04 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-04 355-360 | <0.01 | | N.A. | | <2 | |
| SL11-04 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-04 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-04 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-04 370-375A | 1.22 | | 88.1 | | >10 | |
| SL11-04 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-04 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-04 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-04 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-04 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-04 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-04 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-04 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-04 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-04 420-425 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-04 420-425 | | <0.01 | | N.A. | | <2 |
| SL11-04 425-430 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-04 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-04 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-04 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-04 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-04 445-450A | 1.203 | | 88.7 | | >10 | |
| SL11-04 450-455 | <0.01 | | N.A. | | <2 | |

**DRILL HOLE SL11-05**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-05 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-05 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-05 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-05 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-05 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-05 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-05 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-05 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-05 35-40 | <0.01 | | N.A. | | 4 | |
| SL11-05 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-05 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-05 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-05 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-05 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-05 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-05 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-05 70-75A | 1.193 | | 90 | | >10 | |
| SL11-05 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-05 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-05 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-05 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-05 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-05 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-02 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-05 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-05 110-115 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-05 115-120 | 0.011 | | N.A. | | 5 | |
| SL11-05 120-125 | 0.025 | | N.A. | | 5 | |
| SL11-05 125-130 | 0.059 | | N.A. | | 6 | |
| SL11-05 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-05 135-140 | <0.01 | | N.A. | | 2 | |
| SL11-05 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-05 145-150 | 0.011 | | N.A. | | 7 | |
| SL11-05 145-150A | 1.188 | | 89.9 | | >10 | |
| SL11-05 150-155 | <0.01 | | N.A. | | 4 | |
| SL11-05 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-05 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-05 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-05 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-05 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-05 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-05 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-05 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-05 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-05 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-05 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-05 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-05 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-05 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-05 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-05 220-225A | 1.157 | | 89.2 | | >10 | |
| SL11-05 225-230 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-05 225-230 | | <0.01 | | N.A. | | <2 |
| SL11-05 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-05 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-05 240-245 | 0.013 | | N.A. | | <2 | |
| SL11-05 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-05 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-05 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-05 260-265 | 0.012 | | N.A. | | <2 | |
| SL11-05 265-270 | 0.046 | | N.A. | | 4 | |
| SL11-05 270-275 | 0.067 | | N.A. | | 2 | |
| SL11-05 275-280 | 0.053 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-05 280-285 | 0.231 | | N.A. | | 3 | |
| SL11-05 285-290 | 0.9 | | N.A. | | 8 | |
| SL11-05 290-295 | 0.977 | | N.A. | | 10 | |
| SL11-05 295-300 | 0.434 | | N.A. | | 4 | |
| SL11-05 295-300A | 1.193 | | 85.8 | | >10 | |
| SL11-05 300-305 | 0.508 | | N.A. | | 5 | |
| SL11-05 305-310 | 0.18 | | N.A. | | 4 | |
| SL11-05 310-315 | 0.232 | | N.A. | | 4 | |
| SL11-05 315-320 | 0.143 | | N.A. | | 3 | |
| SL11-05 320-325 | 0.405 | | N.A. | | 6 | |
| DUP-SL11-05 320-325 | | 0.355 | | N.A. | | 6 |
| SL11-05 325-330 | 0.058 | | N.A. | | 3 | |
| SL11-05 330-335 | 0.053 | | N.A. | | 4 | |
| SL11-05 335-340 | 0.449 | | 15.3 | | >10 | |
| SL11-05 340-345 | 0.146 | | N.A. | | 10 | |
| SL11-05 345-350 | 0.047 | | N.A. | | 10 | |
| SL11-05 350-355 | <0.01 | | N.A. | | 3 | |
| SL11-05 355-360 | 0.015 | | N.A. | | 6 | |
| SL11-05 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-05 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-05 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-05 370-375A | 1.205 | | 85.4 | | >10 | |
| SL11-05 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-05 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-05 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-05 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-05 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-05 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-05 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-05 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-05 415-420 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-05 415-420 | | <0.01 | | N.A. | | <2 |
| SL11-05 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-05 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-05 430-435 | 0.032 | | N.A. | | <2 | |
| SL11-05 435-440 | 0.011 | | N.A. | | <2 | |
| SL11-05 440-445 | 0.058 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

**DRILL HOLE SL11-06**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-06 0-5 | 0.014 | | N.A. | | <2 | |
| DUP-SL11-06 0-5 | | 0.015 | | N.A. | | <2 |
| SL11-06 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-06 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-06 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-06 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-06 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-06 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-06 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-06 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-06 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-06 50-55 | 0.011 | | N.A. | | <2 | |
| SL11-06 55-60 | 0.03 | | N.A. | | <2 | |
| SL11-06 60-65 | 0.013 | | N.A. | | <2 | |
| SL11-06 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-06 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-06 70-75A | 1.229 | | 82.4 | | >10 | |
| SL11-06 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-06 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-06 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-06 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-06 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-06 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-02 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-06 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-06 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-06 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-06 120-125 | 0.053 | | N.A. | | <2 | |
| SL11-06 125-130 | 0.052 | | N.A. | | 5 | |
| SL11-06 130-135 | 0.018 | | N.A. | | <2 | |
| SL11-06 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-06 140-145 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-06 145-150 | 0.018 | | N.A. | | <2 | |
| SL11-06 145-150A | 1.193 | | 84.5 | | >10 | |
| SL11-06 150-155 | 0.031 | | N.A. | | <2 | |
| SL11-06 155-160 | 0.011 | | N.A. | | <2 | |
| SL11-06 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-06 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-06 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-06 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-06 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-06 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-06 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-06 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-06 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-06 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-06 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-06 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-06 215-220 | <0.01 | | N.A. | | 6 | |
| DUP-SL11-06 215-220 | | <0.01 | | N.A. | | 6 |
| SL11-06 220-225 | <0.01 | | N.A. | | 9 | |
| SL11-06 220-225A | 1.214 | | 82.3 | | >10 | |
| SL11-06 225-230 | <0.01 | | N.A. | | 8 | |
| SL11-06 230-235 | <0.01 | | N.A. | | 6 | |
| SL11-06 235-240 | <0.01 | | N.A. | | 9 | |
| SL11-06 240-245 | 0.053 | | 23.8 | | >10 | |
| SL11-06 245-250 | 0.048 | | 17.4 | | >10 | |
| SL11-06 250-255 | 0.186 | | N.A. | | 7 | |
| SL11-06 255-260 | 0.427 | | N.A. | | 8 | |
| SL11-06 260-265 | 0.115 | | N.A. | | 9 | |
| SL11-06 265-270 | 0.038 | | N.A. | | 5 | |
| SL11-06 270-275 | <0.01 | | N.A. | | 5 | |
| SL11-06 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-06 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-06 285-290 | 0.01 | | N.A. | | 3 | |
| SL11-06 290-295 | <0.01 | | N.A. | | 2 | |
| SL11-06 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-06 295-300A | 1.179 | | 83.5 | | >10 | |
| SL11-06 300-305 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-06 305-310 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-06 305-310 | | <0.01 | | N.A. | | <2 |
| SL11-06 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-06 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-06 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-06 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-06 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-06 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-06 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-06 345-350 | 0.02 | | N.A. | | 3 | |
| SL11-06 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-06 355-360 | 0.016 | | N.A. | | <2 | |
| SL11-06 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-06 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-06 370-375 | 0.183 | | 29.8 | | >10 | |
| SL11-06 370-375A | 1.23 | | 82.2 | | >10 | |
| SL11-06 375-380 | 0.28 | | 82.1 | | >10 | |
| SL11-06 380-385 | 0.03 | | 28.4 | | >10 | |
| SL11-06 385-390 | 0.072 | | N.A. | | 10 | |
| SL11-06 390-395 | 0.018 | | N.A. | | <2 | |
| SL11-06 395-400 | 0.043 | | N.A. | | 6 | |
| SL11-06 400-405 | 0.024 | | N.A. | | <2 | |
| DUP-SL11-06 400-405 | | 0.022 | | N.A. | | <2 |
| SL11-06 405-410 | 0.016 | | N.A. | | <2 | |
| SL11-06 410-415 | 0.019 | | N.A. | | 2 | |
| SL11-06 415-420 | 0.024 | | N.A. | | 3 | |
| SL11-06 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-06 425-430 | 0.017 | | N.A. | | <2 | |
| DUP-SL11-06 425-430 | | 0.02 | | N.A. | | <2 |
| SL11-06 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-06 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-06 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-06 445-450 | 0.014 | | N.A. | | <2 | |
| SL11-06 445-450A | 1.183 | | 82.1 | | >10 | |
| SL11-06 450-455 | 0.011 | | N.A. | | <2 | |
| SL11-06 455-460 | 0.011 | | N.A. | | <2 | |
| SL11-06 460-465 | 0.013 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-06 465-470 | 0.01 | | N.A. | | <2 | |
| SL11-06 470-475 | 0.011 | | N.A. | | <2 | |
| SL11-06 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-06 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-06 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-06 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-06 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-06 500-505 | <0.01 | | N.A. | | <2 | |
| SL11-06 505-510 | <0.01 | | N.A. | | <2 | |
| SL11-02 510-515 | <0.01 | | N.A. | | <2 | |
| SL11-06 515-520 | <0.01 | | N.A. | | <2 | |
| SL11-06 520-525 | <0.01 | | N.A. | | <2 | |
| SL11-06 520-525A | 1.212 | | 82.5 | | >10 | |
| DUP-SL11-06 520-525 | | <0.01 | | N.A. | | <2 |
| SL11-06 525-530 | <0.01 | | N.A. | | <2 | |
| SL11-06 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-06 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-06 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-06 545-550 | <0.01 | | N.A. | | <2 | |
| SL11-06 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-06 555-560 | <0.01 | | N.A. | | <2 | |
| SL11-06 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-06 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-06 570-575 | <0.01 | | N.A. | | <2 | |
| SL11-06 575-580 | 0.016 | | N.A. | | <2 | |
| SL11-06 580-585 | 0.012 | | N.A. | | <2 | |
| SL11-06 585-590 | <0.01 | | N.A. | | <2 | |
| SL11-06 590-595 | 0.011 | | N.A. | | <2 | |
| SL11-06 595-600 | 0.016 | | N.A. | | <2 | |
| SL11-06 595-600A | 1.198 | | 81.8 | | >10 | |
| SL11-06 600-605 | <0.01 | | N.A. | | <2 | |
| SL11-06 605-610 | <0.01 | | N.A. | | <2 | |
| SL11-06 610-615 | 0.013 | | N.A. | | <2 | |
| DUP-SL11-06 610-615 | | <0.01 | | N.A. | | <2 |
| SL11-06 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-06 620-625 | <0.01 | | N.A. | | <2 | |
| SL11-06 625-630 | <0.01 | | N.A. | | <2 | |
| SL11-06 630-635 | 0.453 | | N.A. | | <2 | |
| SL11-06 635-640 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

**DRILL HOLE SL11-07**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-07 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-07 05-10 | 0.013 | | N.A. | | <2 | |
| SL11-07 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-07 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-07 20-25 | 0.011 | | N.A. | | <2 | |
| SL11-07 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-07 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-07 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-07 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-07 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-07 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-07 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-07 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-07 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-07 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-07 70-75 A | 1.192 | | 81.3 | | >10 | |
| SL11-07 75-80 | 0.046 | | N.A. | | 2 | |
| SL11-07 80-85 | 0.021 | | N.A. | | <2 | |
| SL11-07 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-07 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-07 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-07 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-07 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-07 110-115 | 0.025 | | N.A. | | <2 | |
| SL11-07 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-07 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-07 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-07 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-07 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-07 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-07 145-150 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-07 145-150 A | 1.185 | | 82.8 | | >10 | |
| SL11-07 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-07 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-07 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-07 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-07 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-07 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-07 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-07 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-07 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-07 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-07 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-07 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-07 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-07 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-07 220-225 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 220-225 | | <0.01 | | N.A. | | <2 |
| SL11-07 220-225 A | 1.183 | | 82.9 | | >10 | |
| SL11-07 225-230 | <0.01 | | N.A. | | <2 | |
| SL11-07 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-07 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-07 240-245 | 0.061 | | N.A. | | 3 | |
| SL11-07 245-250 | 0.06 | | 35.6 | | >10 | |
| SL11-07 250-255 | 0.019 | | N.A. | | 2 | |
| SL11-07 255-260 | 0.011 | | N.A. | | <2 | |
| SL11-07 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-07 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-07 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-07 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-07 280-285 | 0.015 | | N.A. | | 2 | |
| SL11-07 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-07 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-07 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-07 295-300 A | 1.176 | | 82.3 | | >10 | |
| SL11-07 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-07 305-310 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-07 310-315 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 310-315 | | <0.01 | | N.A. | | <2 |
| SL11-07 315-320 | 0.012 | | N.A. | | <2 | |
| SL11-07 320-325 | 0.021 | | N.A. | | <2 | |
| SL11-07 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-07 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-07 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-07 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-07 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-07 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-07 355-360 | <0.01 | | N.A. | | <2 | |
| SL11-07 360-365 | 0.01 | | N.A. | | <2 | |
| SL11-07 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-07 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-07 370-375 A | 1.183 | | 79.9 | | >10 | |
| SL11-07 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-07 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-07 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-07 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-07 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-07 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-07 405-410 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 405-410 | | <0.01 | | N.A. | | <2 |
| SL11-07 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-07 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-07 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-07 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-07 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-07 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-07 440-445 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 440-445 | | <0.01 | | N.A. | | <2 |
| SL11-07 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-07 445-450 A | 1.185 | | 79.9 | | >10 | |
| SL11-07 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-07 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-07 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-07 465-670 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-07 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-07 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-07 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-07 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-07 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-07 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-07 500-505 | 0.013 | | N.A. | | <2 | |
| SL11-07 505-510 | 0.037 | | N.A. | | 2 | |
| SL11-07 510-515 | 0.062 | | N.A. | | 3 | |
| SL11-07 515-520 | 0.032 | | N.A. | | 3 | |
| SL11-07 520-525 | 0.062 | | 29.1 | | >10 | |
| SL11-07 520-525 A | 1.19 | | 82.8 | | >10 | |
| SL11-07 525-530 | 0.032 | | 12.3 | | >10 | |
| SL11-07 530-535 | 0.013 | | N.A. | | 3 | |
| DUP-SL11-07 530-535 | | 0.011 | | N.A. | | 2 |
| SL11-07 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-07 540-545 | 0.031 | | N.A. | | 3 | |
| SL11-07 545-550 | 0.024 | | N.A. | | <2 | |
| SL11-07 550-555 | 0.014 | | N.A. | | <2 | |
| SL11-07 555-560 | <0.01 | | N.A. | | <2 | |
| SL11-07 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-07 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-07 570-575 | 0.012 | | N.A. | | <2 | |
| SL11-07 575-580 | <0.01 | | N.A. | | <2 | |
| SL11-07 580-585 | <0.01 | | N.A. | | <2 | |
| SL11-07 585-590 | <0.01 | | N.A. | | <2 | |
| SL11-07 590-595 | <0.01 | | N.A. | | <2 | |
| SL11-07 595-600 | 0.018 | | N.A. | | <2 | |
| SL11-07 595-600 A | 1.167 | | 81.9 | | >10 | |
| SL11-07 600-605 | 0.035 | | N.A. | | <2 | |
| SL11-07 605-610 | 0.013 | | N.A. | | <2 | |
| SL11-07 610-615 | <0.01 | | N.A. | | <2 | |
| SL11-07 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-07 620-625 | 0.01 | | N.A. | | <2 | |
| SL11-07 625-630 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-07 625-630 | | 0.011 | | N.A. | | <2 |
| SL11-07 630-635 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-07 635-640 | <0.01 | | N.A. | | <2 | |
| SL11-07 640-645 | 2.863 | | N.A. | | 3 | |
| SL11-07 645-650 | 0.01 | | N.A. | | <2 | |
| SL11-07 650-655 | <0.01 | | N.A. | | 4 | |
| SL11-07 655-660 | <0.01 | | N.A. | | <2 | |

**DRILL HOLE SL11-08**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-08 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-08 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-08 05-10 | <0.01 | | N.A. | | <2 | |
| SL11-08 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-08 15-20 | <0.01 | | N.A. | | 2 | |
| SL11-08 20-25 | <0.01 | | N.A. | | 2 | |
| SL11-08 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-08 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-08 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-08 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-08 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-08 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-08 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-08 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-08 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-08 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-08 70-75 A | 1.206 | | 82.8 | | >10 | |
| SL11-08 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-08 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-08 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-08 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-08 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-08 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-08 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-08 105-110 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-08 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-08 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-08 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-08 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-08 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-08 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-08 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-08 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-08 145-150 A | 1.216 | | 82.2 | | >10 | |
| SL11-08 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-08 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-08 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-08 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-08 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-08 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-08 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-08 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-08 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-08 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-08 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-08 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-08 205-210 | <0.01 | | N.A. | | 5 | |
| SL11-08 210-215 | 0.037 | | N.A. | | <2 | |
| DUP-SL11-08 210-215 | | 0.036 | | N.A. | | <2 |
| SL11-08 215-220 | 0.025 | | N.A. | | 2 | |
| SL11-08 220-225 | 0.013 | | 11.8 | | >10 | |
| SL11-08 220-225 A | 1.201 | | 81.5 | | >10 | |
| SL11-08 225-230 | 0.026 | | 35.9 | | >10 | |
| SL11-08 230-235 | 0.013 | | N.A. | | <2 | |
| SL11-08 235-240 | 0.011 | | N.A. | | <2 | |
| SL11-08 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-08 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-08 250-255 | <0.01 | | N.A. | | 2 | |
| SL11-08 255-260 | <0.01 | | N.A. | | 2 | |
| SL11-08 260-265 | 0.012 | | N.A. | | 3 | |
| SL11-08 265-270 | 0.021 | | N.A. | | 3 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-08 270-275 | 0.017 | | N.A. | | <2 | |
| SL11-08 275-280 | 0.016 | | N.A. | | <2 | |
| SL11-08 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-08 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-08 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-08 295-300 | 0.01 | | N.A. | | <2 | |
| SL11-08 295-300 A | 1.185 | | 81.3 | | >10 | |
| SL11-08 300-305 | 0.02 | | N.A. | | <2 | |
| DUP-SL11-08 300-305 | | 0.021 | | N.A. | | <2 |
| SL11-08 305-310 | 0.01 | | N.A. | | <2 | |
| SL11-08 310-315 | 0.011 | | N.A. | | <2 | |
| SL11-08 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-08 320-325 | 0.014 | | N.A. | | <2 | |
| SL11-08 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-08 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-08 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-08 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-08 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-08 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-08 355-360 | <0.01 | | N.A. | | <2 | |
| SL11-08 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-08 365-370 | <0.01 | | N.A. | | 3 | |
| SL11-08 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-08 370-375 A | 1.195 | | 79.4 | | >10 | |
| SL11-08 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-08 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-08 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-08 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-08 395-400 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-08 395-400 | | <0.01 | | N.A. | | <2 |
| SL11-08 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-08 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-08 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-08 415-420 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-08 415-420 | | <0.01 | | N.A. | | <2 |
| SL11-08 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-08 425-430 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-08 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-08 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-08 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-08 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-08 445-450 A | 1.191 | | 83.2 | | >10 | |
| SL11-08 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-08 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-08 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-08 465-670 | <0.01 | | N.A. | | <2 | |
| SL11-08 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-08 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-08 480-485 | 0.083 | | N.A. | | <2 | |
| SL11-08 485-490 | 0.044 | | N.A. | | <2 | |
| SL11-08 490-495 | 0.038 | | N.A. | | <2 | |
| SL11-08 495-500 | 0.015 | | N.A. | | <2 | |
| SL11-08 500-505 | 0.011 | | N.A. | | <2 | |
| SL11-08 505-510 | 0.012 | | N.A. | | <2 | |
| SL11-08 510-515 | 0.019 | | N.A. | | <2 | |
| DUP-SL11-08 510-515 | | 0.021 | | N.A. | | <2 |
| SL11-08 515-520 | 0.021 | | N.A. | | <2 | |
| SL11-08 520-525 | 0.031 | | N.A. | | <2 | |
| SL11-08 520-525 A | 1.223 | | 81.8 | | >10 | |
| SL11-08 525-530 | 0.114 | | N.A. | | 3 | |
| SL11-08 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-08 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-08 540-545 | 0.05 | | N.A. | | <2 | |
| SL11-08 545-550 | 0.024 | | N.A. | | 2 | |
| SL11-08 550-555 | 0.078 | | N.A. | | <2 | |
| SL11-08 555-560 | 0.251 | | N.A. | | 7 | |
| SL11-08 560-565 | 0.046 | | N.A. | | <2 | |
| SL11-08 565-570 | 0.046 | | N.A. | | 2 | |
| SL11-08 570-575 | 0.02 | | N.A. | | <2 | |
| SL11-08 575-580 | 0.021 | | N.A. | | <2 | |
| SL11-08 580-585 | 0.012 | | N.A. | | <2 | |
| SL11-08 585-590 | 0.028 | | N.A. | | <2 | |
| SL11-08 590-595 | <0.01 | | N.A. | | <2 | |
| SL11-08 595-600 | 0.013 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-08 595-600 A | 1.172 | | 80.4 | | >10 | |
| SL11-08 600-605 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-08 600-605 | | <0.01 | | N.A. | | <2 |
| SL11-08 605-610 | <0.01 | | N.A. | | <2 | |
| SL11-08 610-615 | <0.01 | | N.A. | | <2 | |
| SL11-08 615-620 | <0.01 | | N.A. | | 2 | |
| SL11-08 620-625 | <0.01 | | N.A. | | <2 | |

**DRILL HOLE SL11-09**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-09 0-5 | 0.011 | | N.A. | | <2 | |
| DUP-SL11-09 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-09 05-10 | 0.015 | | N.A. | | <2 | |
| SL11-09 10-15 | 0.024 | | N.A. | | <2 | |
| SL11-09 15-20 | 0.03 | | N.A. | | <2 | |
| SL11-09 20-25 | 0.013 | | N.A. | | <2 | |
| SL11-09 25-30 | 0.024 | | N.A. | | <2 | |
| SL11-09 30-35 | 0.058 | | N.A. | | <2 | |
| SL11-09 35-40 | 0.044 | | N.A. | | <2 | |
| SL11-09 40-45 | 0.024 | | N.A. | | <2 | |
| SL11-09 45-50 | 0.014 | | N.A. | | <2 | |
| SL11-09 50-55 | 0.012 | | N.A. | | <2 | |
| SL11-09 55-60 | 0.041 | | N.A. | | <2 | |
| SL11-09 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-09 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-09 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-09 70-75 A | 1.12 | | 80.2 | | >10 | |
| SL11-09 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-09 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-09 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-09 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-09 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-09 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-09 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-09 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-09 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-09 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-09 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-09 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-09 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-09 135-140 | 0.013 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-09 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-09 145-150 | 0.011 | | N.A. | | <2 | |
| SL11-09 145-150 A | 1.13 | | 78.9 | | >10 | |
| SL11-09 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-09 155-160 | 0.036 | | N.A. | | 5 | |
| SL11-09 160-165 | 0.101 | | N.A. | | 8 | |
| SL11-09 165-170 | 0.017 | | N.A. | | <2 | |
| SL11-09 170-175 | 0.021 | | N.A. | | <2 | |
| SL11-09 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-09 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-09 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-09 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-09 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-09 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-09 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-09 205-210 | <0.01 | | N.A. | | <2 | |
| DUP SL-11-09 210-215 | | <0.01 | | N.A. | | <2 |
| SL11-09 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-09 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-09 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-09 220-225 A | 1.193 | | 80.6 | | >10 | |
| SL11-09 225-230 | <0.01 | | N.A. | | <2 | |
| SL11-09 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-09 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-09 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-09 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-09 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-09 255-260 | 0.017 | | N.A. | | <2 | |
| SL11-09 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-09 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-09 270-275 | 0.014 | | N.A. | | <2 | |
| SL11-09 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-09 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-09 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-09 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-09 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-09 295-300 A | 1.027 | | 79.4 | | >10 | |
| DUP-SL11-09 295-300 A | | 1.042 | | N.A. | | >10 |
| SL11-09 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-09 305-310 | 0.011 | | N.A. | | <2 | |
| SL11-09 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-09 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-09 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-09 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-09 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-09 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-09 340-345 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-09 345-350 | 0.044 | | N.A. | | 4 | |
| SL11-09 350-355 | 0.04 | | N.A. | | 5 | |
| SL11-09 355-360 | 0.012 | | N.A. | | <2 | |
| SL11-09 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-09 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-09 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-09 370-375 A | 1.201 | | 80.6 | | >10 | |
| SL11-09 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-09 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-09 385-390 | 0.011 | | N.A. | | <2 | |
| SL11-09 390-395 | 0.013 | | N.A. | | <2 | |
| DUP-SL11-09 390-395 | | <0.01 | | N.A. | | <2 |
| SL11-09 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-09 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-09 405-410 | 0.011 | | N.A. | | <2 | |
| DUP-SL11-09 405-410 | | 0.013 | | N.A. | | <2 |
| SL11-09 410-415 | 0.043 | | 19.2 | | >10 | |
| SL11-09 415-420 | 0.071 | | N.A. | | 9 | |
| SL11-09 420-425 | 0.027 | | N.A. | | <2 | |
| SL11-09 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-09 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-09 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-09 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-09 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-09 445-450 A | 0.995 | | 80.2 | | >10 | |
| SL11-09 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-09 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-09 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-09 465-670 | <0.01 | | N.A. | | <2 | |
| SL11-09 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-09 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-09 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-09 485-490 | 0.019 | | N.A. | | <2 | |
| SL11-09 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-09 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-09 500-505 | 0.011 | | N.A. | | <2 | |
| DUP-SL11-09 500-505 | | <0.01 | | N.A. | | <2 |
| SL11-09 505-510 | <0.01 | | N.A. | | <2 | |
| SL11-09 510-515 | <0.01 | | N.A. | | <2 | |
| SL11-09 515-520 | <0.01 | | N.A. | | <2 | |
| SL11-09 520-525 | <0.01 | | N.A. | | <2 | |
| SL11-09 520-525 A | 1.029 | | 81.1 | | >10 | |
| SL11-09 525-530 | <0.01 | | N.A. | | <2 | |
| SL11-09 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-09 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-09 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-09 545-550 | <0.01 | | N.A. | | <2 | |
| SL11-09 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-09 555-560 | 0.011 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-09 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-09 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-09 570-575 | <0.01 | | N.A. | | <2 | |
| SL11-09 575-580 | <0.01 | | N.A. | | <2 | |
| SL11-09 580-585 | <0.01 | | N.A. | | <2 | |
| SL11-09 585-590 | 0.018 | | N.A. | | <2 | |
| SL11-09 590-595 | 0.109 | | 10 | | >10 | |
| SL11-09 595-600 | 0.02 | | N.A. | | 3 | |
| SL11-09 595-600 A | 1.037 | | 79.9 | | >10 | |
| DUP-SL11-09 595-600 | | 0.018 | | N.A. | | 3 |

**DRILL HOLE SL11-09**

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | | AAS21E | | ICP14B | |
| DETECTION | 0.01 | | 0.5 | | 2 | |
| UNITS | g/t | | g/t | | ppm | |
| SL11-10 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-10 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-10 05-10 | <0.01 | | N.A. | | <2 | |
| SL11-10 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-10 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-10 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-10 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-10 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-10 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-10 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-10 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-10 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-10 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-10 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-10 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-10 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-10 70-75 A | 1.211 | | 79.7 | | >10 | |
| SL11-10 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-10 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-10 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-10 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-10 95-100 | 0.011 | | N.A. | | 4 | |
| DUP-SL11-10 95-100 | | 0.011 | | N.A. | | 4 |
| SL11-10 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-10 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-10 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-10 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-10 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-10 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-10 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-10 135-140 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-10 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-10 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-10 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-10 145-150 A | 1.189 | | 79.1 | | >10 | |
| SL11-10 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-10 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-10 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-10 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-10 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-10 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-10 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-10 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-10 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-10 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-10 195-200 | <0.01 | | N.A. | | <2 | |
| SL11-10 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-10 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-10 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-10 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-10 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-10 220-225 A | 1.183 | | 81.6 | | >10 | |
| SL11-10 225-230 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-10 225-230 | | <0.01 | | N.A. | | <2 |
| SL11-10 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-10 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-10 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-10 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-10 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-10 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-10 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-10 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-10 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-10 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-10 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-10 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-10 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-10 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-10 295-300 A | 1.19 | | 82.9 | | >10 | |
| SL11-10 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-10 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-10 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-10 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-10 320-325 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-10 320-325 | | <0.01 | | N.A. | | <2 |
| SL11-10 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-10 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-10 335-340 | 0.014 | | N.A. | | 3 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-10 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-10 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-10 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-10 355-360 | 0.012 | | N.A. | | 2 | |
| SL11-10 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-10 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-10 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-10 370-375 A | 1.224 | | 83.3 | | >10 | |
| SL11-10 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-10 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-10 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-10 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-10 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-10 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-10 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-10 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-10 415-420 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-10 415-420 | | <0.01 | | N.A. | | <2 |
| SL11-10 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-10 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-10 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-10 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-10 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-10 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-10 445-450 A | 1.181 | | 84.8 | | >10 | |

**DRILL HOLE SL11-11**

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | | AAS21E | | ICP14B | |
| DETECTION | 0.01 | | 0.5 | | 2 | |
| UNITS | g/t | | g/t | | ppm | |
| SL11-11 0-5 | 0.029 | | N.A. | | <2 | |
| DUP-SL11-11 0-5 | | 0.024 | | N.A. | | <2 |
| SL11-11 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-11 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-11 15-20 | 0.019 | | N.A. | | <2 | |
| SL11-11 20-25 | 0.016 | | N.A. | | <2 | |
| SL11-11 25-30 | 0.081 | | N.A. | | <2 | |
| SL11-11 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-11 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-11 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-11 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-11 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-11 55-60 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-11 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-11 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-11 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-11 70-75A | 1.169 | | 82.9 | | >10 | |
| SL11-11 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-11 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-11 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-11 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-11 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-11 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-11 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-11 105-110 | 0.059 | | N.A. | | <2 | |
| SL11-11 110-115 | 0.059 | | N.A. | | 6 | |
| SL11-11 115-120 | <0.01 | | N.A. | | 3 | |
| SL11-11 120-125 | <0.01 | | N.A. | | 4 | |
| SL11-11 125-130 | <0.01 | | N.A. | | 4 | |
| SL11-11 130-135 | <0.01 | | N.A. | | 5 | |
| SL11-11 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-11 140-145 | 0.017 | | N.A. | | 3 | |
| SL11-11 145-150 | <0.01 | | N.A. | | 4 | |
| SL11-11 145-150A | 1.165 | | 85.7 | | >10 | |
| SL11-11 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-11 155-160 | <0.01 | | N.A. | | 3 | |
| SL11-11 160-165 | 0.22 | | N.A. | | 6 | |
| SL11-11 165-170 | 1.802 | | 29.6 | | >10 | |
| SL11-11 170-175 | 0.612 | | 10.5 | | >10 | |
| SL11-11 175-180 | 0.655 | | 10.6 | | >10 | |
| SL11-11 180-185 | 0.247 | | N.A. | | 5 | |
| SL11-11 185-190 | 0.256 | | N.A. | | 4 | |
| SL11-11 190-195 | 1.758 | | 23.3 | | >10 | |
| DUP-SL11-11 190-195 | | 1.751 | | 23.4 | | >10 |
| SL11-11 195-200 | 1.349 | | 21.1 | | >10 | |
| SL11-11 200-205 | 0.475 | | N.A. | | 6 | |
| SL11-11 205-210 | 0.341 | | N.A. | | 4 | |
| SL11-11 210-215 | 0.679 | | N.A. | | 10 | |
| SL11-11 215-220 | 0.867 | | N.A. | | 9 | |
| SL11-11 220-225 | 0.47 | | N.A. | | 6 | |
| SL11-11 220-225A | 1.155 | | 85 | | >10 | |
| SL11-11 225-230 | 0.747 | | N.A. | | 10 | |
| SL11-11 230-235 | 0.69 | | 26.2 | | >10 | |
| SL11-11 235-240 | 0.805 | | 15 | | >10 | |
| SL11-11 240-245 | 0.041 | | N.A. | | 2 | |
| SL11-11 245-250 | 0.055 | | N.A. | | <2 | |
| SL11-11 250-255 | 0.011 | | N.A. | | <2 | |
| DUP-SL11-11 250-255 | | 0.01 | | N.A. | | <2 |
| SL11-11 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-11 260-265 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-11 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-11 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-11 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-11 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-11 295-290 | <0.01 | | N.A. | | <2 | |
| SL11-11 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-11 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-11 295-300A | 1.205 | | 84.4 | | >10 | |
| SL11-11 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-11 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-11 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-11 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-11 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-11 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-11 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-11 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-11 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-11 345-350 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-11 345-350 | | <0.01 | | N.A. | | <2 |
| SL11-11 350-355 | 0.022 | | N.A. | | <2 | |
| SL11-11 335-360 | <0.01 | | N.A. | | <2 | |
| SL11-11 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-11 365-370 | 0.016 | | N.A. | | <2 | |
| SL11-11 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-11 370-375A | 1.21 | | 82.5 | | >10 | |
| SL11-11 375-380 | 0.023 | | N.A. | | <2 | |
| SL11-11 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-11 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-11 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-11 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-11 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-11 405-410 | 0.014 | | N.A. | | <2 | |
| SL11-11 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-11 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-11 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-11 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-11 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-11 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-11 440-445 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-11 440-445 | | <0.01 | | N.A. | | <2 |
| SL11-11 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-11 445-450A | 1.181 | | 82.4 | | >10 | |
| SL11-11 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-11 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-11 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-11 465-470 | 0.012 | | N.A. | | <2 | |
| SL11-11 470-475 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-11 475-480 | 0.01 | | N.A. | | <2 | |
| SL11-11 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-11 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-11 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-11 495-500 | <0.01 | | N.A. | | <2 | |

**DRILL HOLE SL11-12**

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | | AAS21E | | ICP14B | |
| DETECTION | 0.01 | | 0.5 | | 2 | |
| UNITS | g/t | | g/t | | ppm | |
| SL11-12 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-12 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-12 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-12 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-12 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-12 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-12 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-12 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-12 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-12 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-12 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-12 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-12 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-12 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-12 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-12 70-75A | 1.185 | | 84.2 | | >10 | |
| SL11-12 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-12 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-12 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-12 90-95 | 0.036 | | N.A. | | <2 | |
| SL11-12 95-100 | 0.034 | | N.A. | | 4 | |
| DUP-SL11-12 95-100 | | 0.034 | | N.A. | | 4 |
| SL11-12 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-12 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-12 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-12 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-12 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-12 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-12 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-12 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-12 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-12 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-12 145-150A | 1.162 | | 83.6 | | >10 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-12 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-12 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-12 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-12 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-12 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-12 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-12 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-12 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-12 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-12 195-200 | 0.041 | | N.A. | | 2 | |
| SL11-12 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-12 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-12 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-12 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-12 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-12 220-225A | 1.193 | | 83.6 | | >10 | |
| SL11-12 225-230 | <0.01 | | N.A. | | <2 | |
| SL11-12 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-12 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-12 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-12 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-12 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-12 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-12 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-12 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-12 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-12 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-12 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-12 285-290 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 285-290 | | <0.01 | | N.A. | | <2 |
| SL11-12 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-12 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-12 295-300A | 1.156 | | 84.8 | | >10 | |
| SL11-12 300-305 | 0.024 | | N.A. | | 2 | |
| SL11-12 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-12 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-12 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-12 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-12 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-12 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-12 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-12 340-345 | <0.01 | | N.A. | | <2 | |
| SL11-12 345-350 | 0.011 | | N.A. | | 3 | |
| SL11-12 350-355 | 0.143 | | N.A. | | 5 | |
| SL11-12 335-360 | 0.05 | | N.A. | | <2 | |
| SL11-12 360-365 | 0.025 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-12 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-12 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-12 370-375A | 1.193 | | 84.2 | | >10 | |
| SL11-12 375-380 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 375-380 | | <0.01 | | N.A. | | <2 |
| SL11-12 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-12 385-390 | <0.01 | | N.A. | | <2 | |
| SL11-12 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-12 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-12 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-12 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-12 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-12 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-12 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-12 425-430 | <0.01 | | N.A. | | 4 | |
| SL11-12 430-435 | 0.111 | | N.A. | | <2 | |
| SL11-12 435-440 | 0.02 | | N.A. | | <2 | |
| SL11-12 440-445 | 0.061 | | N.A. | | <2 | |
| SL11-12 445-450 | 0.021 | | N.A. | | <2 | |
| SL11-12 445-450A | 1.194 | | 82.7 | | >10 | |
| SL11-12 450-455 | 0.033 | | N.A. | | <2 | |
| SL11-12 455-460 | 0.055 | | N.A. | | 2 | |
| SL11-12 460-465 | 0.032 | | N.A. | | 4 | |
| SL11-12 465-470 | 0.027 | | N.A. | | <2 | |
| SL11-12 470-475 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 470-475 | | 0.01 | | N.A. | | <2 |
| SL11-12 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-12 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-12 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-12 490-495 | <0.01 | | N.A. | | <2 | |
| SL11-12 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-12 500-505 | <0.01 | | N.A. | | <2 | |
| SL11-12 505-510 | <0.01 | | N.A. | | <2 | |
| SL11-12 510-515 | 0.026 | | N.A. | | 3 | |
| SL11-12 515-520 | 0.067 | | N.A. | | <2 | |
| SL11-12 520-525 | 0.017 | | N.A. | | <2 | |
| SL11-12 520-525A | 1.18 | | 82.4 | | >10 | |
| SL11-12 525-530 | 0.042 | | N.A. | | <2 | |
| SL11-12 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-12 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-12 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-12 545-550 | <0.01 | | N.A. | | 3 | |
| SL11-12 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-12 555-560 | <0.01 | | N.A. | | <2 | |
| SL11-12 560-565 | <0.01 | | N.A. | | 4 | |
| SL11-12 565-570 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 565-570 | | <0.01 | | N.A. | | <2 |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-12 570-575 | <0.01 | | N.A. | | <2 | |
| SL11-12 575-580 | <0.01 | | N.A. | | <2 | |
| SL11-12 580-585 | <0.01 | | N.A. | | <2 | |
| SL11-12 585-590 | <0.01 | | N.A. | | <2 | |
| SL11-12 590-595 | <0.01 | | N.A. | | <2 | |
| SL11-12 595-600 | <0.01 | | N.A. | | <2 | |
| SL11-12 595-600A | 1.155 | | 81.9 | | >10 | |
| SL11-12 600-605 | <0.01 | | N.A. | | <2 | |
| SL11-12 605-610 | <0.01 | | N.A. | | <2 | |
| SL11-12 610-615 | <0.01 | | N.A. | | <2 | |
| SL11-12 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-12 620-625 | <0.01 | | N.A. | | <2 | |
| SL11-12 625-630 | <0.01 | | N.A. | | <2 | |
| SL11-12 630-635 | <0.01 | | N.A. | | <2 | |
| SL11-12 635-640 | <0.01 | | N.A. | | <2 | |
| SL11-12 640-645 | <0.01 | | N.A. | | <2 | |
| SL11-12 645-650 | <0.01 | | N.A. | | <2 | |
| SL11-12 650-655 | <0.01 | | N.A. | | <2 | |
| SL11-12 655-660 | <0.01 | | N.A. | | <2 | |
| SL11-12 660-665 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 660-665 | | <0.01 | | N.A. | | <2 |
| SL11-12 665-670 | <0.01 | | N.A. | | <2 | |
| SL11-12 670-675 | <0.01 | | N.A. | | <2 | |
| SL11-12 670-675A | 1.172 | | 82.3 | | >10 | |
| SL11-12 675-680 | <0.01 | | N.A. | | <2 | |
| SL11-12 680-685 | <0.01 | | N.A. | | <2 | |
| SL11-12 685-690 | <0.01 | | N.A. | | <2 | |
| SL11-12 690-695 | <0.01 | | N.A. | | <2 | |
| SL11-12 695-700 | <0.01 | | N.A. | | <2 | |
| SL11-12 700-705 | <0.01 | | N.A. | | <2 | |
| SL11-12 705-710 | <0.01 | | N.A. | | 5 | |
| SL11-12 710-715 | <0.01 | | N.A. | | <2 | |
| SL11-12 715-720 | <0.01 | | N.A. | | <2 | |
| SL11-12 720-725 | <0.01 | | N.A. | | <2 | |
| SL11-12 725-730 | <0.01 | | N.A. | | <2 | |
| SL11-12 730-735 | <0.01 | | N.A. | | <2 | |
| SL11-12 735-740 | <0.01 | | N.A. | | <2 | |
| SL11-12 740-745 | <0.01 | | N.A. | | <2 | |
| SL11-12 745-750 | <0.01 | | N.A. | | <2 | |
| SL11-13 745-750A | 1.152 | | 81.8 | | >10 | |
| SL11-12 750-755 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 750-755 | | <0.01 | | N.A. | | <2 |
| SL11-12 755-760 | <0.01 | | N.A. | | <2 | |
| SL11-12 760-765 | <0.01 | | N.A. | | <2 | |
| SL11-12 765-770 | <0.01 | | N.A. | | <2 | |
| SL11-12 770-775 | <0.01 | | N.A. | | <2 | |
| SL11-12 775-780 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-12 780-785 | <0.01 | | N.A. | | <2 | |
| SL11-12 785-790 | <0.01 | | N.A. | | <2 | |
| SL11-12 790-795 | <0.01 | | N.A. | | <2 | |
| SL11-12 795-800 | <0.01 | | N.A. | | <2 | |
| SL11-12 800-805 | <0.01 | | N.A. | | <2 | |
| SL11-12 805-810 | <0.01 | | N.A. | | <2 | |
| SL11-12 810-815 | <0.01 | | N.A. | | <2 | |
| SL11-12 815-820 | <0.01 | | N.A. | | <2 | |
| SL11-12 820-825 | <0.01 | | N.A. | | <2 | |
| SL11-13 820-825A | 1.166 | | 82.3 | | >10 | |
| SL11-12 825-830 | <0.01 | | N.A. | | <2 | |
| SL11-12 830-835 | <0.01 | | N.A. | | <2 | |
| SL11-12 835-840 | <0.01 | | N.A. | | <2 | |
| SL11-12 840-845 | <0.01 | | N.A. | | <2 | |
| SL11-12 845-850 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-12 845-850 | | <0.01 | | N.A. | | <2 |

**DRILL HOLE SL11-13**

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | | AAS21E | | ICP14B | |
| DETECTION | 0.01 | | 0.5 | | 2 | |
| UNITS | g/t | | g/t | | ppm | |
| SL11-13 0-5 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-13 0-5 | | <0.01 | | N.A. | | <2 |
| SL11-13 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-13 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-13 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-13 20-25 | <0.01 | | N.A. | | 3 | |
| SL11-13 25-30 | 0.037 | | N.A. | | 3 | |
| SL11-13 30-35 | <0.01 | | N.A. | | 2 | |
| SL11-13 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-13 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-13 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-13 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-13 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-13 60-65 | <0.01 | | N.A. | | 3 | |
| SL11-13 65-70 | <0.01 | | N.A. | | 2 | |
| SL11-13 70-75 | <0.01 | | N.A. | | 3 | |
| SL11-13 70-75A | 1.195 | | 83.9 | | >10 | |
| SL11-13 75-80 | <0.01 | | N.A. | | 3 | |
| SL11-13 80-85 | <0.01 | | N.A. | | 2 | |
| SL11-13 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-13 90-95 | 0.018 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-13 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-13 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-13 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-13 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-13 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-13 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-13 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-13 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-13 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-13 135-140 | 0.112 | | 36.6 | | >10 | |
| SL11-13 140-145 | 0.03 | | 16.5 | | >10 | |
| SL11-13 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-13 145-150A | 1.168 | | 85.6 | | >10 | |
| SL11-13 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-13 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-13 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-13 165-170 | <0.01 | | N.A. | | <2 | |
| SL11-13 170-175 | <0.01 | | N.A. | | <2 | |
| SL11-13 175-180 | <0.01 | | N.A. | | <2 | |
| SL11-13 180-185 | <0.01 | | N.A. | | <2 | |
| SL11-13 185-190 | <0.01 | | N.A. | | <2 | |
| SL11-13 190-195 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-13 190-195 | | <0.01 | | N.A. | | <2 |
| SL11-13 195-200 | <0.01 | | N.A. | | 3 | |
| SL11-13 200-205 | <0.01 | | N.A. | | <2 | |
| SL11-13 205-210 | <0.01 | | N.A. | | <2 | |
| SL11-13 210-215 | <0.01 | | N.A. | | <2 | |
| SL11-13 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-13 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-13 220-225A | 1.169 | | 85.7 | | >10 | |
| SL11-13 225-230 | <0.01 | | N.A. | | <2 | |
| SL11-13 230-235 | <0.01 | | N.A. | | 4 | |
| SL11-13 235-240 | <0.01 | | N.A. | | <2 | |
| SL11-13 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-13 245-250 | 1.341 | | N.A. | | 3 | |
| DUP-SL11-13 245-250 | | 1.329 | | N.A. | | 5 |
| SL11-13 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-13 255-260 | 0.104 | | N.A. | | 3 | |
| SL11-13 260-265 | <0.01 | | N.A. | | <2 | |
| SL11-13 265-270 | <0.01 | | N.A. | | <2 | |
| SL11-13 270-275 | <0.01 | | N.A. | | <2 | |
| SL11-13 275-280 | <0.01 | | N.A. | | <2 | |
| SL11-13 280-285 | <0.01 | | N.A. | | <2 | |
| SL11-13 285-290 | 0.302 | | N.A. | | <2 | |
| SL11-13 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-13 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-13 295-300A | 1.171 | | 80.8 | | >10 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-13 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-13 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-13 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-13 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-13 320-325 | <0.01 | | N.A. | | <2 | |
| SL11-13 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-13 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-13 335-340 | <0.01 | | N.A. | | <2 | |
| SL11-13 340-345 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-13 340-345 | | <0.01 | | N.A. | | <2 |
| SL11-13 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-13 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-13 355-360 | <0.01 | | N.A. | | <2 | |
| SL11-13 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-13 365-370 | 0.073 | | 40.1 | | >10 | |
| SL11-13 370-375 | 0.04 | | 51.2 | | >10 | |
| SL11-13 370-375A | 1.158 | | 82.5 | | >10 | |
| SL11-13 375-380 | 0.021 | | 14.2 | | >10 | |
| SL11-13 380-385 | <0.01 | | N.A. | | 4 | |
| SL11-13 385-390 | <0.01 | | N.A. | | 3 | |
| SL11-13 390-395 | <0.01 | | N.A. | | 3 | |
| SL11-13 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-13 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-13 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-13 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-13 415-420 | <0.01 | | N.A. | | <2 | |
| SL11-13 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-13 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-13 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-13 435-440 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-13 435-440 | | <0.01 | | N.A. | | <2 |
| SL11-13 440-445 | <0.01 | | N.A. | | 3 | |
| SL11-13 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-13 445-450A | 1.183 | | 84.5 | | >10 | |
| SL11-13 450-455 | <0.01 | | N.A. | | <2 | |
| SL11-13 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-13 460-465 | <0.01 | | N.A. | | <2 | |
| SL11-13 465-470 | <0.01 | | N.A. | | <2 | |
| SL11-13 470-475 | <0.01 | | N.A. | | <2 | |
| SL11-13 475-480 | <0.01 | | N.A. | | <2 | |
| SL11-13 480-485 | <0.01 | | N.A. | | <2 | |
| SL11-13 485-490 | <0.01 | | N.A. | | <2 | |
| SL11-13 490-495 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-13 490-495 | | <0.01 | | N.A. | | <2 |
| SL11-13 495-500 | <0.01 | | N.A. | | <2 | |
| SL11-13 500-505 | <0.01 | | N.A. | | <2 | |
| SL11-13 505-510 | <0.01 | | N.A. | | 3 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | | Ag | | Ag | |
|---|---|---|---|---|---|---|
| SL11-13 510-515 | <0.01 | | N.A. | | <2 | |
| SL11-13 515-520 | <0.01 | | N.A. | | 6 | |
| SL11-13 520-525 | <0.01 | | N.A. | | <2 | |
| SL11-13 520-525A | 1.182 | | 83.7 | | >10 | |
| SL11-13 525-530 | <0.01 | | N.A. | | <2 | |
| SL11-13 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-13 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-13 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-13 545-550 | <0.01 | | N.A. | | <2 | |
| SL11-13 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-13 555-560 | <0.01 | | N.A. | | <2 | |
| SL11-13 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-13 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-13 570-575 | 0.012 | | N.A. | | <2 | |
| SL11-13 575-580 | 0.016 | | N.A. | | <2 | |
| SL11-13 580-585 | 0.091 | | 10.9 | | >10 | |
| SL11-13 585-590 | 0.021 | | N.A. | | 4 | |
| DUP-SL11-13 585-590 | | 0.022 | | N.A. | | 4 |
| SL11-13 590-595 | 0.067 | | N.A. | | 8 | |
| SL11-13 595-600 | <0.01 | | N.A. | | <2 | |
| SL11-13 595-600A | 1.188 | | 84.6 | | >10 | |
| SL11-13 600-605 | <0.01 | | N.A. | | <2 | |
| SL11-13 605-610 | <0.01 | | N.A. | | 3 | |
| SL11-13 610-615 | <0.01 | | N.A. | | 3 | |
| SL11-13 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-13 620-625 | 0.01 | | N.A. | | <2 | |
| SL11-13 625-630 | 0.079 | | N.A. | | 3 | |
| SL11-13 630-635 | 0.077 | | N.A. | | 2 | |
| SL11-13 635-640 | 0.087 | | N.A. | | 7 | |
| SL11-13 640-645 | 0.477 | | 61.4 | | >10 | |
| SL11-13 645-650 | 0.04 | | 26.7 | | >10 | |
| SL11-13 650-655 | 0.065 | | 25.9 | | >10 | |
| SL11-13 655-660 | 0.121 | | 11.4 | | >10 | |
| SL11-13 660-665 | 0.065 | | 13.4 | | >10 | |
| SL11-13 665-670 | 0.078 | | 11.2 | | >10 | |
| SL11-13 670-675 | 0.039 | | 13.5 | | >10 | |
| SL11-13 670-675A | 1.18 | | 82.9 | | >10 | |
| SL11-13 675-680 | 0.033 | | 14 | | >10 | |
| DUP-SL11-13 675-680 | | 0.046 | | 14.7 | | >10 |
| SL11-13 680-685 | 0.027 | | 60.8 | | >10 | |
| SL11-13 685-690 | 0.027 | | 17.6 | | >10 | |
| SL11-13 690-695 | 0.103 | | 22.9 | | >10 | |
| SL11-13 695-700 | 0.026 | | 14.9 | | >10 | |
| SL11-13 700-705 | 0.199 | | 16.5 | | >10 | |
| SL11-13 705-710 | 0.024 | | N.A. | | 10 | |
| SL11-13 710-715 | 0.029 | | N.A. | | 10 | |
| SL11-13 715-720 | 0.022 | | N.A. | | 9 | |
| SL11-13 720-725 | 0.026 | | N.A. | | 9 | |
| SL11-13 725-730 | 0.023 | | 11.3 | | >10 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

**DRILL HOLE SL11-14**

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| METHOD | FAA313 | FAA313 | AAS21E | AAS21E | ICP14B | ICP14B |
| DETECTION | 0.01 | 0.01 | 0.5 | 0.5 | 2 | 2 |
| UNITS | g/t | g/t | g/t | g/t | ppm | ppm |
| SL11-14 0-5 | <0.01 | | N.A. | | 5 | |
| DUP-SL11-14 0-5 | | <0.01 | | N.A. | | 4 |
| SL11-14 5-10 | <0.01 | | N.A. | | <2 | |
| SL11-14 10-15 | <0.01 | | N.A. | | <2 | |
| SL11-14 15-20 | <0.01 | | N.A. | | <2 | |
| SL11-14 20-25 | <0.01 | | N.A. | | <2 | |
| SL11-14 25-30 | <0.01 | | N.A. | | <2 | |
| SL11-14 30-35 | <0.01 | | N.A. | | <2 | |
| SL11-14 35-40 | <0.01 | | N.A. | | <2 | |
| SL11-14 40-45 | <0.01 | | N.A. | | <2 | |
| SL11-14 45-50 | <0.01 | | N.A. | | <2 | |
| SL11-14 50-55 | <0.01 | | N.A. | | <2 | |
| SL11-14 55-60 | <0.01 | | N.A. | | <2 | |
| SL11-14 60-65 | <0.01 | | N.A. | | <2 | |
| SL11-14 65-70 | <0.01 | | N.A. | | <2 | |
| SL11-14 70-75 | <0.01 | | N.A. | | <2 | |
| SL11-14 70-75A | 1.178 | | 81.5 | | >10 | |
| SL11-14 75-80 | <0.01 | | N.A. | | <2 | |
| SL11-14 80-85 | <0.01 | | N.A. | | <2 | |
| SL11-14 85-90 | <0.01 | | N.A. | | <2 | |
| SL11-14 90-95 | <0.01 | | N.A. | | <2 | |
| SL11-14 95-100 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 95-100 | | <0.01 | | N.A. | | <2 |
| SL11-14 100-105 | <0.01 | | N.A. | | <2 | |
| SL11-14 105-110 | <0.01 | | N.A. | | <2 | |
| SL11-14 110-115 | <0.01 | | N.A. | | <2 | |
| SL11-14 115-120 | <0.01 | | N.A. | | <2 | |
| SL11-14 120-125 | <0.01 | | N.A. | | <2 | |
| SL11-14 125-130 | <0.01 | | N.A. | | <2 | |
| SL11-14 130-135 | <0.01 | | N.A. | | <2 | |
| SL11-14 135-140 | <0.01 | | N.A. | | <2 | |
| SL11-14 140-145 | <0.01 | | N.A. | | <2 | |
| SL11-14 145-150 | <0.01 | | N.A. | | <2 | |
| SL11-14 145-150A | 1.173 | | 86 | | >10 | |
| SL11-14 150-155 | <0.01 | | N.A. | | <2 | |
| SL11-14 155-160 | <0.01 | | N.A. | | <2 | |
| SL11-14 160-165 | <0.01 | | N.A. | | <2 | |
| SL11-14 165-170 | 0.042 | | N.A. | | 2 | |
| SL11-14 170-175 | 0.034 | | N.A. | | <2 | |
| SL11-14 175-180 | 0.017 | | N.A. | | <2 | |
| SL11-14 180-185 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-14 185-190 | 0.019 | | N.A. | | <2 | |
| SL11-14 190-195 | 0.027 | | 10.7 | | >10 | |
| DUP-SL11-14 190-195 | | 0.029 | | 10.7 | | >10 |
| SL11-14 195-200 | 0.073 | | 13.1 | | >10 | |
| SL11-14 200-205 | 0.113 | | 67.2 | | >10 | |
| SL11-14 205-210 | <0.01 | | N.A. | | 10 | |
| SL11-14 210-215 | <0.01 | | N.A. | | 2 | |
| SL11-14 215-220 | <0.01 | | N.A. | | <2 | |
| SL11-14 220-225 | <0.01 | | N.A. | | <2 | |
| SL11-14 220-225A | 1.159 | | 85.9 | | >10 | |
| SL11-14 225-230 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 225-230 | | <0.01 | | N.A. | | <2 |
| SL11-14 230-235 | <0.01 | | N.A. | | <2 | |
| SL11-14 235-240 | 0.085 | | N.A. | | <2 | |
| SL11-14 240-245 | <0.01 | | N.A. | | <2 | |
| SL11-14 245-250 | <0.01 | | N.A. | | <2 | |
| SL11-14 250-255 | <0.01 | | N.A. | | <2 | |
| SL11-14 255-260 | <0.01 | | N.A. | | <2 | |
| SL11-14 260-265 | 0.023 | | N.A. | | <2 | |
| SL11-14 265-270 | <0.01 | | N.A. | | 6 | |
| SL11-14 270-275 | <0.01 | | N.A. | | 2 | |
| SL11-14 275-280 | <0.01 | | N.A. | | 4 | |
| SL11-14 280-285 | <0.01 | | N.A. | | 2 | |
| SL11-14 285-290 | <0.01 | | N.A. | | <2 | |
| SL11-14 290-295 | <0.01 | | N.A. | | <2 | |
| SL11-14 295-300 | <0.01 | | N.A. | | <2 | |
| SL11-14 295-300A | 1.181 | | 84.5 | | >10 | |
| SL11-14 300-305 | <0.01 | | N.A. | | <2 | |
| SL11-14 305-310 | <0.01 | | N.A. | | <2 | |
| SL11-14 310-315 | <0.01 | | N.A. | | <2 | |
| SL11-14 315-320 | <0.01 | | N.A. | | <2 | |
| SL11-14 320-325 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 320-325 | | <0.01 | | N.A. | | <2 |
| SL11-14 325-330 | <0.01 | | N.A. | | <2 | |
| SL11-14 330-335 | <0.01 | | N.A. | | <2 | |
| SL11-14 335-340 | <0.01 | | N.A. | | 2 | |
| SL11-14 340-345 | <0.01 | | N.A. | | 2 | |
| SL11-14 345-350 | <0.01 | | N.A. | | <2 | |
| SL11-14 350-355 | <0.01 | | N.A. | | <2 | |
| SL11-14 335-360 | <0.01 | | N.A. | | <2 | |
| SL11-14 360-365 | <0.01 | | N.A. | | <2 | |
| SL11-14 365-370 | <0.01 | | N.A. | | <2 | |
| SL11-14 370-375 | <0.01 | | N.A. | | <2 | |
| SL11-14 370-375A | 1.193 | | 83.7 | | >10 | |
| SL11-14 375-380 | <0.01 | | N.A. | | <2 | |
| SL11-14 380-385 | <0.01 | | N.A. | | <2 | |
| SL11-14 385-390 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-14 390-395 | <0.01 | | N.A. | | <2 | |
| SL11-14 395-400 | <0.01 | | N.A. | | <2 | |
| SL11-14 400-405 | <0.01 | | N.A. | | <2 | |
| SL11-14 405-410 | <0.01 | | N.A. | | <2 | |
| SL11-14 410-415 | <0.01 | | N.A. | | <2 | |
| SL11-14 415-420 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 415-420 | | <0.01 | | N.A. | | <2 |
| SL11-14 420-425 | <0.01 | | N.A. | | <2 | |
| SL11-14 425-430 | <0.01 | | N.A. | | <2 | |
| SL11-14 430-435 | <0.01 | | N.A. | | <2 | |
| SL11-14 435-440 | <0.01 | | N.A. | | <2 | |
| SL11-14 440-445 | <0.01 | | N.A. | | <2 | |
| SL11-14 445-450 | <0.01 | | N.A. | | <2 | |
| SL11-14 445-450A | 1.18 | | 87.3 | | >10 | |
| SL11-14 450-455 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 450-455 | | <0.01 | | N.A. | | <2 |
| SL11-14 455-460 | <0.01 | | N.A. | | <2 | |
| SL11-14 460-465 | 0.027 | | N.A. | | <2 | |
| SL11-14 465-470 | 0.062 | | N.A. | | 7 | |
| SL11-14 470-475 | 0.033 | | N.A. | | 3 | |
| SL11-14 475-480 | 0.107 | | N.A. | | 3 | |
| SL11-14 480-485 | 0.124 | | N.A. | | 4 | |
| SL11-14 485-490 | 0.133 | | N.A. | | <2 | |
| SL11-14 490-495 | 0.066 | | N.A. | | 4 | |
| SL11-14 495-500 | <0.01 | | N.A. | | 3 | |
| SL11-14 500-505 | <0.01 | | N.A. | | <2 | |
| SL11-14 505-510 | <0.01 | | N.A. | | <2 | |
| SL11-14 510-515 | <0.01 | | N.A. | | <2 | |
| SL11-14 515-520 | <0.01 | | N.A. | | <2 | |
| SL11-14 520-525 | <0.01 | | N.A. | | <2 | |
| SL11-14 520-525A | 1.168 | | 82.6 | | >10 | |
| SL11-14 525-530 | <0.01 | | N.A. | | <2 | |
| SL11-14 530-535 | <0.01 | | N.A. | | <2 | |
| SL11-14 535-540 | <0.01 | | N.A. | | <2 | |
| SL11-14 540-545 | <0.01 | | N.A. | | <2 | |
| SL11-14 545-550 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 545-550 | | <0.01 | | N.A. | | <2 |
| SL11-14 550-555 | <0.01 | | N.A. | | <2 | |
| SL11-14 555-560 | <0.01 | | N.A. | | <2 | |
| SL11-14 560-565 | <0.01 | | N.A. | | <2 | |
| SL11-14 565-570 | <0.01 | | N.A. | | <2 | |
| SL11-14 570-575 | <0.01 | | N.A. | | <2 | |

# APPENDIX VIII (Cont.) – 2011 MINERA MANTOS DRILL HOLE ASSAYS

| ANALYTE | Au | Au | Ag | Ag | Ag | Ag |
|---|---|---|---|---|---|---|
| SL11-14 575-580 | <0.01 | | N.A. | | <2 | |
| SL11-14 580-585 | <0.01 | | N.A. | | <2 | |
| SL11-14 585-590 | <0.01 | | N.A. | | <2 | |
| SL11-14 590-595 | <0.01 | | N.A. | | <2 | |
| SL11-14 595-600 | <0.01 | | N.A. | | <2 | |
| SL11-14 595-600A | 1.163 | | 81.1 | | >10 | |
| SL11-14 600-605 | <0.01 | | N.A. | | <2 | |
| SL11-14 605-610 | <0.01 | | N.A. | | <2 | |
| SL11-14 610-615 | <0.01 | | N.A. | | <2 | |
| SL11-14 615-620 | <0.01 | | N.A. | | <2 | |
| SL11-14 620-625 | <0.01 | | N.A. | | <2 | |
| SL11-14 625-630 | <0.01 | | N.A. | | <2 | |
| SL11-14 630-635 | <0.01 | | N.A. | | <2 | |
| SL11-14 635-640 | <0.01 | | N.A. | | <2 | |
| SL11-14 640-645 | <0.01 | | N.A. | | <2 | |
| DUP-SL11-14 640-645 | | <0.01 | | N.A. | | <2 |
| SL11-14 645-650 | <0.01 | | N.A. | | <2 | |
| SL11-14 650-655 | <0.01 | | N.A. | | <2 | |
| SL11-14 655-660 | <0.01 | | N.A. | | <2 | |
| SL11-14 660-665 | <0.01 | | N.A. | | <2 | |