RECURSOS MINEROS MAMUT S.A de C.V

TENORIBA PROJECT

Field Status Report

and

Recommendations for Future Work

Tenoriba Project, Chihuahua State, Mexico

For: Mammoth Resources Corp

By: Richard Simpson

Date: January 2014

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Summary

This report summarizes the field and data compilation activities (mapping and sampling) performed between July 2012 and June 2013. The report also makes recommendations on future work (ground geophysics, drilling and metallurgical test work) as a result of the information obtained from this work and prior exploration activities on the property.

A field work program was conducted on the Tenoriba property during 2012 and 2013, such work performed by Recursos Mineros Mamut S.A. de C.V. (100% owned Mexican subsidiary company of Mammoth Resources Corporation, TSX-V listed public company under the symbol MTH) contract geologists, Brigido Campillo Gutierrez, Ricardo Daniel Rodriguez Garcia and Richard Simpson, Mammoth Resources Corporation's Vice President Exploration. The work schedule was based primarily on campaigns in which 20 days were spent in the field, including traveling days and 10 days break. The historical data was compiled by Brigido Campillo and Richard Simpson between July and October 2012.

Prior to the aforementioned field activities and data compilation by Recursos Mineros Mamut S.A. de C.V. (Mamut), the Tenoriba project was the focus of exploration activities performed by Masuparia Gold Corp. (Masuparia) during 2007 and 2008. These activities included limited mapping and soil and surface rock sampling which identified a large approximately 3.0 by 5.0 kilometre (15 square kilometre surface area), polymetallic (gold, molybdenum, lead, zinc, bismuth cadmium and arsenic) in soil anomalous area. In addition, numerous surface precious metal (gold and silver) occurrences were sampled on the property. Masuparia followed this work by a 15 hole diamond drill program totaling 2,570.4 metres.

Following a review and compilation of the historical exploration data generated by Masuparia, by Mamut geologists, a field mapping and sampling campaign was initiated in October 2012. As at the date of writing of this report a total of 628 rock surface samples, 10 bulk leachable gold (BLEG) type stream sediment samples and 100 Terraspec samples have been collected. All surface rock samples and stream sediment samples were prepared and assayed by ASL CHEMEX LAB. The rock and sediment sample preparation was performed in Chihuahua, Chihuahua state Mexico and the pulps were assayed in Vancouver, Canada. All rock samples were assayed using ALS CHEMEX Gold Fire assay method (Au-AA23) and their Aqua Regia ICP method (ME-ICP41) method. The stream sediment samples were assayed using CHEMEX bulk leachable gold (BLEG) type method (Au-CN11). The X-Ray diffraction samples were sent to Resources Geosciences de Mexico SA de CV (RGM) in Hermosillo, Sonora state Mexico where the clays were analysed for X-ray diffraction by Terraspec analysis.

Work by Mamut geologists identified that the property geology is dominated by the Upper Felsic Volcanic Sequence (Late Cretaceous/ Tertiary) Sierra Madre Occidental (SMO) stratigraphy. The property is dominantly underlain by rocks of the Tertiary Upper Volcanic sequence composed of felsic volcaniclastic rocks (tuffs, Ignimbrites, volcanic breccias), which are intruded by granodioritic to dioritic composition intrusive bodies. Small felsic and intermediary dykes have also been noticed but generally their locations have not been mapped in detail.

Specific target areas identified to date within this large 15 square kilometre precious metal (gold and silver) mineralized area include, from west to east: *Cerro Colorado, El Moreno, Masuparia area* and *Los Carneritos*.

These target areas can be described mainly as shallow high sulphidation epithermal targets hosted by a highly altered (argillic and silica alteration) upper volcanic sequence. The mineralization is closely associated to the silica alteration, including local vuggy silica texture; the clays associated to the mineralization include dickite, kaolinite, illite and halloysite. Only minor sulphide has been identified on surface. East-northeast to almost east-west, plus northeast, northwest and almost north striking and generally steeply dipping normal faults are the main interpreted ore controls.

On the periphery of these priority areas and generally beyond the 15 square kilometre area of enriched precious metal mineralization, additional, lesser explored targets exist. These areas include: *Arroyo Verde, La Verde, Rincon Colorado* and the area of *La Quemada* where polymetallic enriched viens are noted. Although Mamut geologists have divided these areas into separate targets for ease of identification, there is nothing evidenced on surface, in the stratigraphy or lithologies in which these targets exist, that would suggest that these target areas are not connected at depth, having only been separated either by faulting or simply a lack of outcrop evidencing their relationship one to the other.

It should be noted that sections 2, 4.1 to 4.4 and 5, plus various figures in this report are extracted and/or in part modified from reports prepared for Masuparia Gold Corp. by Mitch Mihalynuk, May 2008 and Jorge Cirret, Feb 2009.

In addition to these elevated and ubiquitous occurrences of gold and silver there are a number of compelling characteristics to the rocks sampled in this area that support a high sulphidation epithermal precious metal model of gold and silver mineralization at Tenoriba. These characteristics, commonly associated with high sulphidation epithermal precious metal systems, also occur in strong association with stratigraphic controls to mineralization. Mamut geologists believe that these associations are the most compelling evidence that the Tenoriba targets are part of a shallow elevation, high sulphidation epithermal mineralizing system. The shallow elevation of the system observed on surface implies that feeder systems, responsible for precious metal enrichment to this shallow system mapped and sampled on surface, could occur at depth, for surely the gold and silver found in rocks on the surface could only have come from below.

Characteristics observed from the surface mapping and sampling that are common in high sulphidation systems, include:

- An overall lack of copper and other base metals (zinc and lead), indicating a high elevation system.
- Samples that are enriched in gold and silver frequently assay elevated levels of mercury, antinomy and arsenic.
- The silver to gold ratio is low, tending towards approximately 12 to 16.
- Where samples assay enriched gold and silver values (greater than 1.0 g/t gold equivalent) these samples are associated with high tellurium and high tellurium over selenium ratios (Masuparia compiled rock chip assay results which show this relationship).

In addition to the above mentioned geochemical relationships observed at Tenoriba and common in high sulphidation epithermal systems, precious metal mineralization in the 15 square kilometre area is closely associated with silica alteration and ubiquitous occurrences of vuggy silica texture. Clay minerals, including dickite, kaolinite, illite and halloysite are also strongly associated ith precious metal mineralization in these areas, offering further support of the high sulphidation categorization of precious metal mineralization at Tenoriba.

At Los Carneritos, Cerro Colorado and Moreno target areas, volcanic breccia units are clearly the preferred host rock for mineralization. After stratigraphy and lithology, the most prominent structural influence on precious metal mineralization occurs along an east-northeast to almost east-west structural trend. Additionally, northeast, northwest and almost north striking and generally steeply dipping normal faults appear to be in strong association with precious metal mineralization. At Los Carneritos these preferred host stratigraphic units are greatly affected by the faults mentioned above and as a result it is common to observe the preferred host, volcanic breccia unit repeated numerous times, rotated and dismembered.

The potential within the 15 square kilometre area of elevated and ubiquitous gold and silver to host a large precious metal deposit is compelling given the abundance of precious metals sampled within this large surface area.

Beyond mapping the geology and structures on the property, and sampling many potential occurrences of precious metals, Mamut geologists also investigated some of the metallurgical characteristics of these precious metal containing rocks. The objective in studying metallurgy was to gain some knowledge of the potential processes available for the extraction of these precious metals should the mineral resource be shown to contain a sufficient amount and concentration of precious metal to warrant their recovery and to help guide stages of future exploration, for example, if gold and silver appeared as free gold it likely would be amenable to cyanide heap leaching.

Given the abundance of gold on the surface, it is logical to consider that it may be possible to mine the precious metals via an open pit which in combination with heap leach precious metal extraction and recovery, could have the potential for a low capital and operating cost type operation. Understanding this potential early in the exploration process could have implications for how to most efficiently explore the property and possibly develop precious metal resources (drill hole spacing, grade of potentially significant drill hole intersections).

Preliminary petrographic work on some select drill core intervals demonstrated the presence of free gold on the periphery of sulphide grains and within fractures in these sulphide grains, illustrating the ’free’ nature of gold in these occurrences. The presence of free gold that is amenable to cyanide leaching was further illustrated as Mamut geologists conducted an in-depth sampling of various core intervals at a variety of depths and grades, plus various samples collected from surface. Agitated cyanide leach bottle roll tests of these samples resulted in high, often rapid (often in less than 12 hours), recoveries of precious metals (often greater than 90 percent recovery) to vertical depths of as much as 60 metres, with the occasional, high recoveries (generally below 70 percent) at greater depths and requiring greater time (up to 72 hours).

These results bode well for precious metal recovery in a cyanide leach-type setting such as a heap leach operation.

Recommendations for future work are listed below.

- Additional mapping of the four priority areas; Cerro Colorado, El Moreno, Masuparia area and Los Carneritos with particular attention on the structural controls in these areas with the objective of better understanding these structural controls and there possible association to precious metal mineralization. The cost of such work is estimated at approximately CDN$25,000.
- Perform a ground induced polarized (IP) and ground magnetic (mag) survey over the four priority target areas with the objective that the survey may assist in identifying structures and the possible roots (feeder systems) to enriched precious metal mineralization sampled on surface. In addition, the survey may assist in identifying extensions to Masuparia's precious metal enriched drill intercepts. Approximately 100 linear kilometres of geophysical lines spaced 100 metres apart, one from the other would be needed to cover the four priority target areas; Cerro Colorado, El Moreno, Masuparia area and Los Carneritos, plus the Arroyo Verde target. It is recommended that the survey be performed in two phases in order to test the application of geophysics as a tool to determine precious metal feeders and structures at depth. Phase one areas should be prioritized for this potential. The first phase (approximately 32 linear kilometres) being programmed will cover the core of Los Carneritos, the Masuparia area and portions of the El Moreno target areas. As of the writing of this report, the first phase of this survey has been performed by Geofisica TMC of Mazatlan, Mexico. The cost of the 32 kilometre line kilometres of ground IP and mag, including mobilization and de-mobilization plus field support was approximately CDN$100,000. The company intends to post the results of this survey, complete results of which were not available as of the timing of the writing of this report, on its website once the report becomes available.
- At the Los Carneritos target area, five large outcrops (measuring as large as 80 square metres) highly silicified with patchy vuggy silica have returned values above 1.0 g/t gold up to 6.41 g/t gold and 34.0 g/t silver over 1.0 metre channel sample (sample number 330406). Further detailed mapping and sampling along a grid on 5 metres by 5 metres sample spacing is recommended to be performed. If sample results warrant (if average values over an area sufficient to meet material supply requirements), it is recommended that a composite of these samples be sent for bottle roll tests to determine leach time, recoveries, cyanide consumption and acidity among other measures. Based on these results, and should these results encourage heap leaching, it is recommended to perform cyanide leach column tests on this material to establish the most attractive conditions for heap leaching. Based on these results and the availability of material from these sample areas it is recommended that consideration be given to establishing a pilot plant heap leach operation to better test the characteristics of heap leaching recognizing the cost to revenue potential of such an exercise and the possibility that such a trial may result in a positive cash outcome as a result of this pilot plant test. The first phase of this recommended program began in November 2013 and was completed one month later. The company is awaiting assay results, not all of which were available as of the writing of this report. The cost of the field work and sample analysis for the first phase of this recommended program was approximately $10,000. The cost of the second phase of this work; the bottle roll testing, is estimated at CDN$15,000. The cost of the column test phase of this recommendation is estimated at approximately CDN$15,000.

- It is recommended that additional road access, especially towards Los Carneritos and Cerro Colorado target areas be constructed. This road access, in addition to simply facilitating access for people and equipment may also provide some additional cuts for exposure of rocks in the area for enhanced mapping. The cost of such work is estimated at approximately CDN$25,000 - $30,000.
- It is recommended, based on the results of the geophysics survey, to conduct a 2,000 to 3,000 metre first phase reverse circulation (RC) or diamond drill campaign to test targets indicated by this survey in conjunction with targets identified by the surface work described in this report. Prior to initiating any road building and drilling activities signed agreements with the local ejidos will be required as will various environmental permits. Mamut geologists have begun consultation with the representatives of the ejiodos in the area and are confident of the ability to attain the cooperation of these ejidos to conduct this work. Furthermore, the company will require approval from the state government Secretaría del Medio Ambiente y Recursos Naturales (SEMARNAT), the Secretariat of Environment and Natural Resources. As of the writing of this report, consultations had begun with various drill contractors regarding quoting on a program comprising approximately 15 drill holes totalling 2,500 metres, plus, or minus 500 metres. Consultations have also begun with various contractors to assist in the writing of the permit application to be presented to the Secretaría del Medio Ambiente y Recursos Naturales (SEMARNAT), the Secretariat of Environment and Natural Resources for approval to drill. The drafting and submission of this report is estimated to cost CDN$5,000 to 8,000. A 2,000 to 3,000 metre RC program, including mobilization and de-mobilization, plus all field support and sample analysis is estimated at this time to cost approximately CDN$260,000 to $300,000.

Of the costs estimated to perform the recommendations of this report, totalling: **CDN$455,000 to $503,000, CDN$110,000** has already been spent on the geophysics survey and the first phase of the Carneritos outcrop/pilot heap leach sampling. A balance of **$345,000 to $393,000** would be required to be spent to complete the recommendations of this report. These amounts do not include corporate overhead costs during the execution of these recommendations. This work, assuming no significant delays due to permitting, could be performed within a six month time frame. Ideally the company would like to perform this work prior to the commencement of the rainy season in the Sierra Madre which tends to become problematic due to the periods and quantity of rain in mid to late July.

1.0 Property Location and Description

The Tenoriba Property is located in the prolific Sierra Madre Precious Metal Belt in South Western Chihuahua State, Mexico (Fig. 1 and 2), in the Municipality of Guadalupe y Calvo. The Property is owned by Rodolfo Chavez Rocha and Minera Ches Mex SA de CV. It is comprised of three mineral concessions and one additional mineral concession, MAPY 3 was applied for (“staked”) by Mamut in November 2012, however, this application has not yet been confirmed by the Mexican government. These four concessions cover a total area of 9,949.62 hectares. The north end of the concession block is located approximately 26^{o} 27’ north latitude and the southern end is at approximately 26^{o} 22’ north latitude, with the center of the concession block located at approximately 107^{o} 26’ longitude and 26^{o} 25’ latitude. **Table 1 - Concession Title Data for the Tenoriba Property**, below lists the mining concessions that make up the Property.

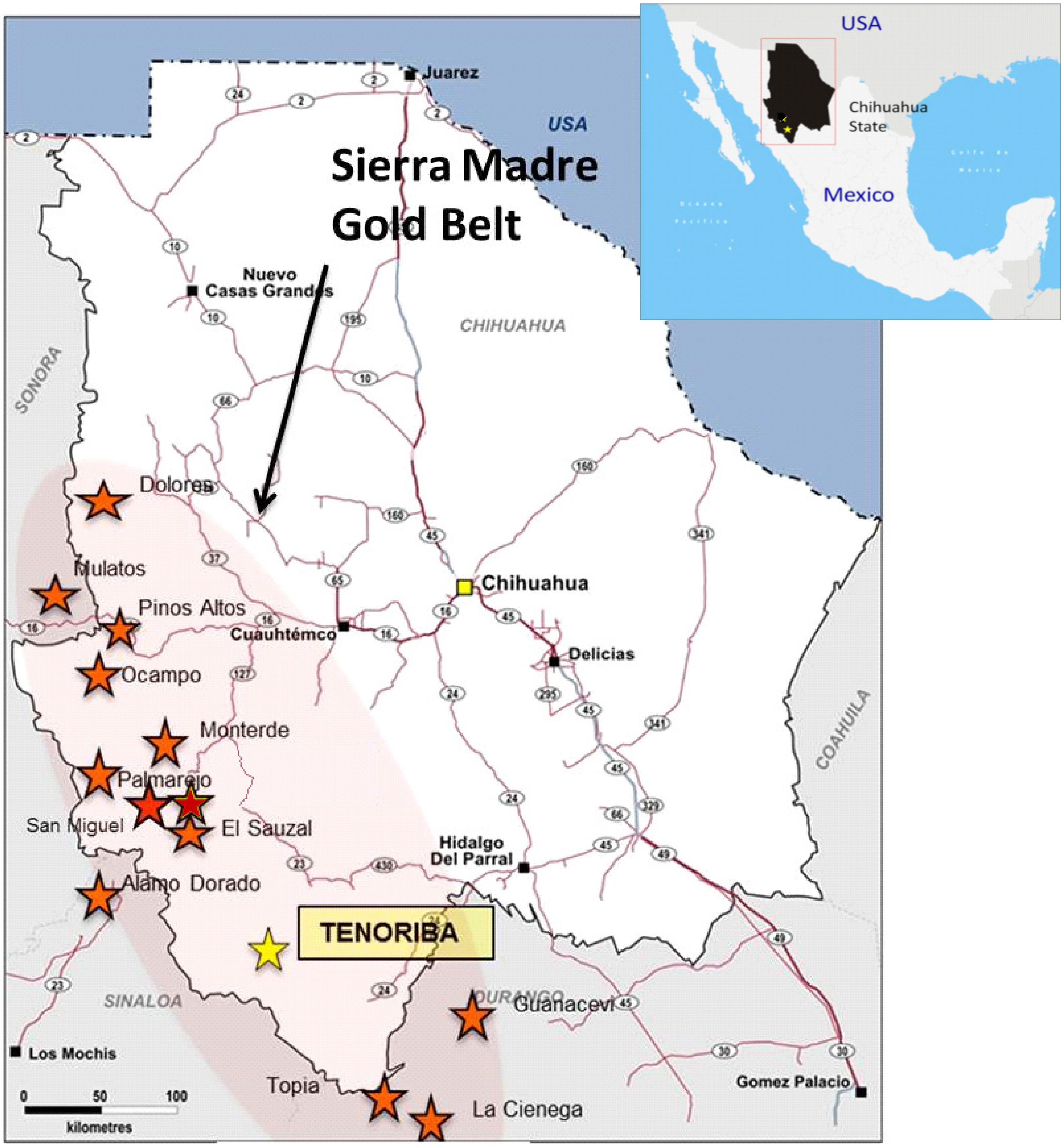
The surface land is owned by three ejidos (communitarian ground), of which two; the Baborigame and the Santa Rosa ejidos account for more than 90 percent of the concession ground. The remaining concession area belongs to the San Juan Nepomuceno ejido. The target areas of mineralization identified to date are located on the Baborigame and Santa Rosa ejidos.

Table 1- Concession Title Data for the Tenoriba Property

Concession	Area (hectares)	Title Date	Title Number	Expiry Date	Ownership
FERNANDA	500.0	21-Sep-04	222935	20-Sep-54	Rodolfo Chavez R (100%)
MAPY	4,000.0	12-Jul-05	225090	11-Jul-55	Minera Ches Mex (66.6%) Rodolfo Chavez R (33.3%)
MAPY 2	3,600.0	5-Aug-05	225233	4-Aug-55	Minera Ches Mex (66.6%) Rodolfo Chavez R (33.3%)
MAPY 3	1,849.6	20-Nov-12 (filing date)	16/47005 (applied for)		Recursos Minera Mamut SA de CV (100%)

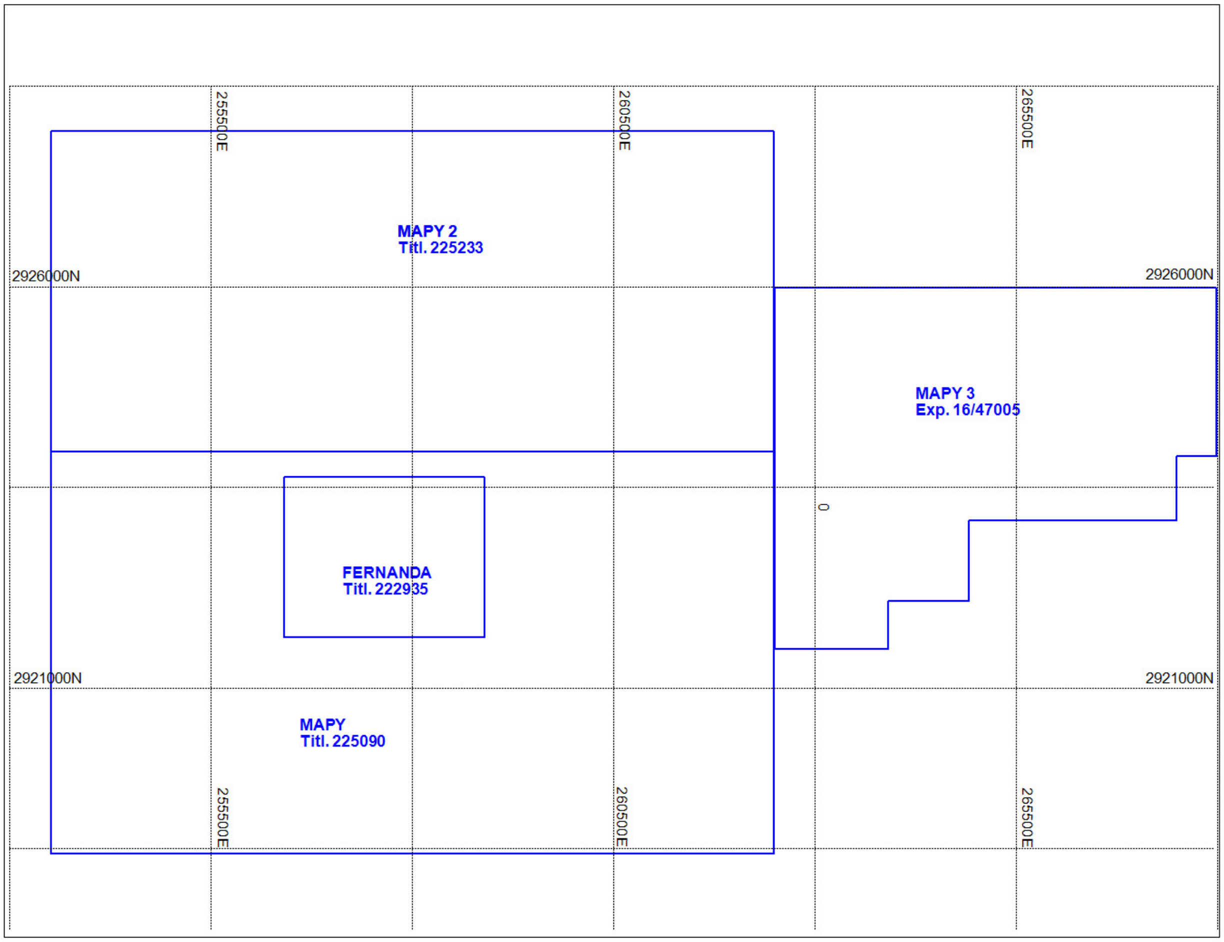
Figure 1 - Tenoriba Property Location Map

Figure 2 - Tenoriba Property in Sierra Madre Occidental Precious Metal Belt



Mine	Company Ownership	Mine	Company Ownership
Dolores	*Pan American Silver*	*San Miguel*	*Paramount Gold Corp.*
Pinos Altos	*Agnico Eagle*	*El Sauzal*	*Goldcorp*
Mulatos	*Alamos Gold*	*Palmarejo*	*Coeur D'Alene Mines Corp*
Pinos Altos	*Agnico Eagle*	*Alamo Dorado*	*Pan American Silver*
Ocampo	*Aurico Gold*	*Topia*	*Great Panther*
Monterde	*Kimber Resources*	*La Cienega*	*Fresnillo PLC*

Figure 3 – Tenoriba Property Concession Map



1.1 Option Agreement

Recursos Mineros Mamut S.A.de C.V. (Mamut) signed with Rodolfo Chavez Rocha and Minera Ches Mex an option agreement on June 29, 2012 where by Mamut can acquire 100% of the three concessions which comprise the Tenoriba property over a four year option period. The terms of this option agreement are summarized below:

Upon signing a letter of intent (dated March 7, 2012) pay a total amount of CDN$42,670 in taxes owing to the Mexican government on the Mapy and Mapy 2 concessions.

Over the following four year period, making US$160,000 in total cash payments and issue a total of 900,000 Mammoth shares. See summary details in tables 2 and 3.

Incur a total of US$1,000,000 in aggregate expenditures by June 30, 2016 across all concessions which comprise the Tenoriba property, such expenditures to be selected at the sole discretion of Mamut.

Upon exercising the option following having achieved the aforementioned commitments, Mamut will grant a 2% net smelter return royalty on revenues derived from the extraction of minerals from the three concessions which comprise the Tenoriba property. Mamut will have a right to repurchase such royalty by paying a total of US$1,500,000 with such right of repurchase being:

(i) an exclusive right of repurchase for a period of three (3) years from the date of commercial production; and

(ii) subject to Rocha's right, commencing three (3) years from the date of commercial production plus one day, to sell his interest in such royalty to a third party after giving Mamut notice of the proposed sale and 60 days to match any offer to purchase made by a third party;

In the case of the Mapy and Mapy 2 properties, US$750,000 of the royalty payment would be divided as to Rodolfo Chavez Rocha (33.33%) and Minera Ches Mex (66.66%).

Table 2 - Fernanda Concession Property Cash and Share Payments Schedule

Date	Payee	Shares	Cash (US)
Dec. 30, 2012	Chavez Rocha	50,000	$5,000
June 30, 2013	Chavez Rocha	50,000	$5,000
Dec. 30, 2013	Chavez Rocha	50,000	$12,500
June 30, 2014	Chavez Rocha	50,000	$12,500
Dec. 30, 2014	Chavez Rocha	50,000	$12,500
June 30, 2015	Chavez Rocha	50,000	$12,500
Dec. 30, 2015	Chavez Rocha	62,500	$18,750
June 30, 2016	Chavez Rocha	62,500	$18,750
TOTAL		**425,000**	**$97,500**

Table 3 - Mapy and Mapy 2 Concessions Cash and Share Payments Schedule

Date	Payee	Shares	Cash (US)
Dec. 30, 2013	Ches Mex	49,995	---
	Chavez Rocha	25,005	---
June 30, 2014	Ches Mex	49,995	---
	Chavez Rocha	25,005	---
Dec. 30, 2014	Ches Mex	49,995	$8,332.50
	Chavez Rocha	25,005	$4,167.50
June 30, 2015	Ches Mex	49,995	$8,332.50
	Chavez Rocha	25,005	$4,167.50
Dec. 30, 2015	Ches Mex	58,328	$12,498.75
	Chavez Rocha	29,172	$6,251.25
June 30, 2016	Ches Mex	58,328	$12,498.75
	Chavez Rocha	29,172	$6,251.25
TOTAL		**475,000**	**$62,500.00**

2.0 Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Tenoriba project is located within the Sierra Madre Occidental in the southwestern corner of Chihuahua State, Mexico in the Municipality of Guadalupe y Calvo. From Chihuahua City, it is 280 kilometres in a straight line in a west, southwesterly direction to the Tenoriba property. From the city of Hidalgo del Parral, Chihuahua the property is 186 kilometres in a straight line and from Los Mochis, Sinaloa state the property is 170 kilometres in a straight line. The nearest town with a variety of communication, grocery, mechanical and accommodation services is Baborigame, Chihuahua, some 16 kilometres due east of the Tenoriba property. Small air strips are present at Baborigame and in San Juan de Nepomuceno, a small village located just five kilometres south of the Tenoriba property.

The property can be reached by road either by Sinaloa or Chihuahua states; the Chihuahua access road is preferred. The route departing Chihuahua city is along paved roads through Hidalgo del Parral and either by Guadalupe y Calvo (seven hours drive in total) or Guachochi (five hours drive in total). The dirt road from Guadalupe y Calvo to Baborigame is 70 kilometres and can be covered in two and a half hours, the one from Guachochi is 100 kilometres and takes four to five hours. From Baborigame a 49 kilometre long dirt road (two and a half hours drive) through San Juan Nepomuceno leads to the project area. The last two kilometres of the route are through the Tenoriba stream bed, to reach the field camp situated in El Durazno de Abajo community. The preferred access to site is via fixed wing airplane from Guasabe, Sinaloa state, a small village located a short distance outside of Los Mochis, Sinaloa. The aircraft arrives at a small gravel airstrip in San Juan de Nepomuceno. The flight takes approximately 45 minutes in a six passenger fixed wing aircraft with daily commercial flights based on number of passengers.

The topography in the region is characterized by a high plateau with elevations ranging from 2,000 to 2,600 metres above sea level, which is cut by deeply incised valleys with elevations ranging from 800 to 1,300 metres above sea level at the valley floors.

Vegetation in the region varies from grasslands to pine forests. The Project is located on the following topographic sheets issued by INEGI, Guachochi G13-4 (1:250,000) and Basonopa G13-A72 (1:50,000). The climate is generally arid, but with a notable rainy season (July to September).

Temperatures in the higher elevations are moderate in summertime but commonly reach 0 degrees Celsius in winter. Temperatures in the valleys are moderate in winter, but can reach extremes of more than 40 degrees Celsius in the summertime.

3.0 Health, Safety and Staffing

The field and historic data compilation was done by Recursos Mineros Mamut S.A de C.V. (Mamut) contract geologist, supervised by Richard Simpson, Mammoth Resources, Vice President Exploration. The work schedule was based on 20 days field work, including traveling days, with approximately 10 days off between periods in the field. Field helpers were also hired locally, their number varied from two up to five depending necessity.

The personnel are listed below:

- Brigido Campillo Gutierrez, (Senior Geologist)
- Ricardo Daniel Rodriguez Garcia (Geologist)
- Richard Simpson (Mammoth Resources Vice President Exploration)
- Renato Gonzalez Palma (Senior Geological Technician)

No major health or safety incidents occurred during the field program.

4.0 Previous Work History

The 8,100 hectare area in which the Mapy, Mapy 2 and Fernanda concessions of the Tenoriba property have had the attention of small miners and mining companies for hundreds of years, however only small scale mining has been carried out during this period. Work on different prospects in and around the batholitic intrusion of San Juan Nepomuceno. Sections 4.1 to 4.4 of this report are a brief recounting of historical exploration activities known to have occurred on the property. The recounting of historical exploration activities have been extracted from Masuparia Gold Corporation's Technical Report dated February 2009, authored by Jorge Cirret.

4.1 Kenneth F. Clarck, 1976, CRM (now SGM)

Clarck authored a report which described observations during a visit to the Cerro Colorado (copper and molybdenum) and El Durazno (copper) prospects, being explored at the time by Peñoles and the El Manzano prospect which is contained within the Tenoriba property concessions. At Cerro Colorado, Peñoles drilled at least two holes on a chimney breccia 250 metres across with strong molybdenum grades at the surface. The breccia seems to have been developed in an intrusive rock, but carrying significant amounts of intermediate and felsic volcanic rocks; it is also cut by later stage dikes. Surface values of 500 to 600 parts per million (ppm) molybdenum and 2,000 ppm copper are cited, although with no reference to any extension of these anomalies. A couple of rock samples for dating were collected, and those (in the SGM G13-4 geologic sheet) place the age of the intrusive rocks at 46.3 million years $\pm$ 1.0 million years.

On El Durazno prospect (within the Tenoriba claims) a visit to a copper stained vein is discussed, although the exact location is difficult to determine from this report. The site described (past the El Manzano canyon, at 1,550 metres elevation) can be either La Verde or La Bufa Verde, prospects. A fine grained quartz monzonite and a feldspar porphyry (defined as monzonitic) are described as occurring at this location.

4.2 Arturo Soberanes, 1984, CRM (now Servicio Geologico Mexicano, SGM)

Soberanes authored a report on a geological reconnaissance to the Santa Rosa area (within the Tenoriba claims). The report discussed 9 prospects which were sampled and described and which occurred with low gold (up to 0.25 ppm) and silver (less than 130 ppm) values. The report has a map with the location of several of these prospects, and a sketch of some of the workings. In general, several structures were mapped and sampled, but all were deemed low grade and small.

4.3 Jose A. Perez-De La Cruz, 2005, SGM

Perez-De La Cruz authored a report discussing the geology of the Mapy prospect, Guadalupe y Calvo municipality. The report discussed a brief visit in which 29 rock samples were collected on a somewhat regular grid, 4 prospects visited and a couple of ore samples for petrographic studies. The highest assays on the grid are 1.19 ppm gold, 17.5 ppm silver, 125 ppm copper, 39 ppm molybdenum, 514 ppm lead, 78 ppm antimony and 176 ppm zinc. Six of the 29 rock chip grid samples returned above 0.1 ppm gold, which together with the other element occurrences are considered good results for this kind of survey. For the 8 channel samples collected, the highest gold value is 11.69 ppm in La Verde prospect, and three of four samples in the Moreno zone are within 1.4 and 3.46 ppm. Without particularly strong data supporting such assertion, the prospect is deemed a high sulfidation setting.

4.4 Rodolfo Chavez-Rocha, 2007

A topographic map shows the location of various rock chip samples and accompanying assay results. In it the Campamento, Moreno, El Molinito, Santiago and la Verde prospects are highlighted by the presence of assay results higher than 1.0 ppm gold.

4.5 Masuparia's Gold Corp 2007-2008:

Between April, 2007 through to July 2008 Masuparia Gold Corp. carried out an exploration program, the activities and results of which are summarized below.

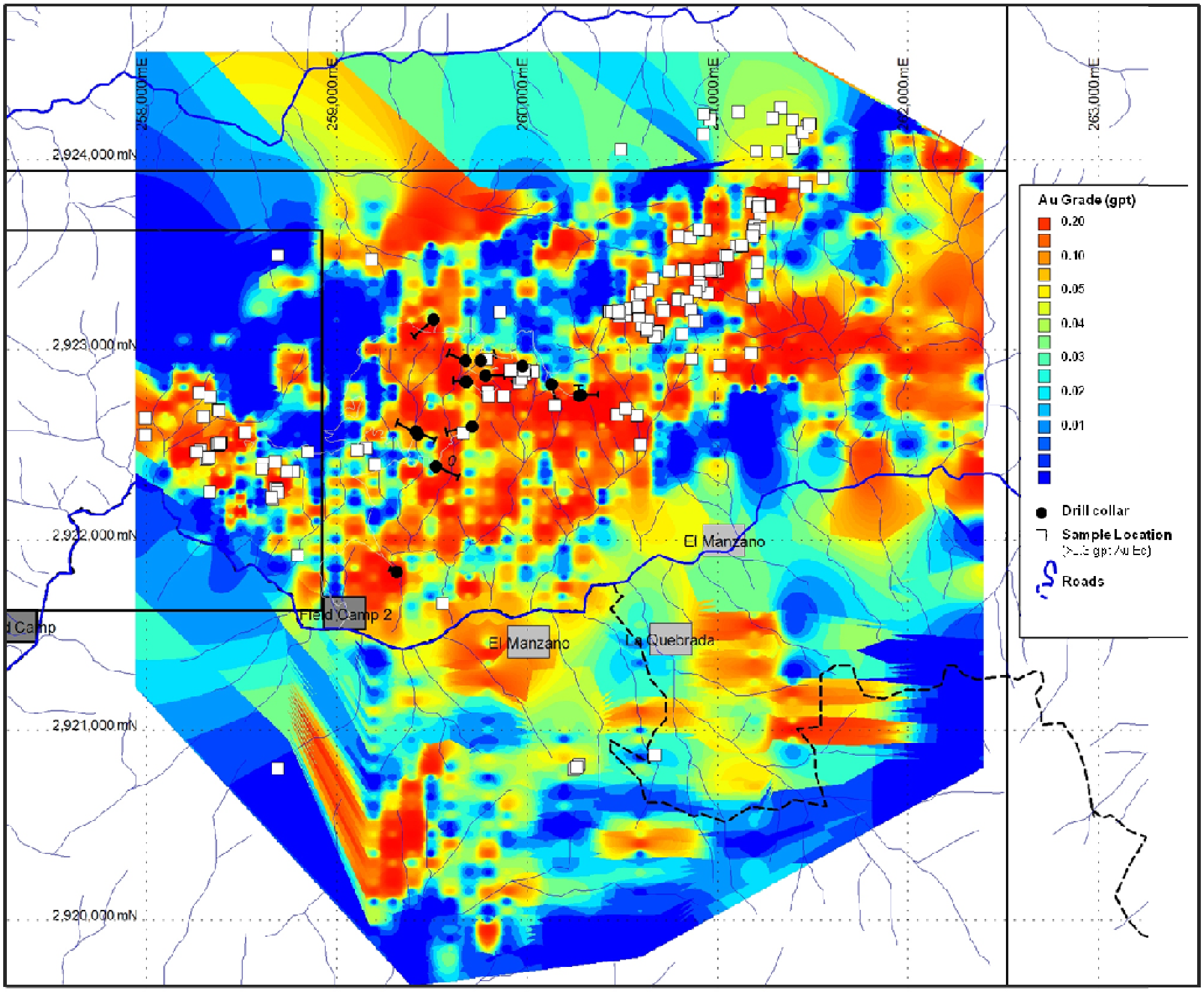
- Between April and May 2007 a stream sediment sampling program resulted in the collection of 93 samples over the property. Results of this work included the identification of five large, frequently overlapping polymetalic catchment anomalies. Anomalous samples ranged from 0.0030 to 2.52 grams per tonne (g/t) gold. The largest anomaly is over five kilometres long and two kilometres wide. These anomalies guided a follow-up soil geochemical survey.

- From June 2007 to June 2008 approximately 1,500 soil samples were taken every 50 metres along North- South lines spaced at every 200 metres. Samples were analysed for gold using fire assay and other elements using ICP (51 elements). Later an additional 465 samples were collected in areas with good attractive gold assay results along infill lines spaced at every 100 metres. These additional samples were assayed for gold alone. Of the samples noted above, approximately 5% of the total samples analysed were for quality assurance and quality control purposes (QA/QC). This soil sampling program identified 27 areas of anomalous gold and associated polymetalic elements (molybdenum, lead, zinc, bismuth, cadmium, arsenic and tellurium). **Figure 4 - Masuparia Gold Corp., Gold in Soil Geochemical Survey Results Map**, is a colour contour map created by Mamut geologists which depicts the result of the soil sampling. Masuparia broke the results of these samples into three main areas, Center East, Southeast and Northwest zones.

- Masuparia geologists collected an additional 668 surface rock sample for analysis. A number of these samples returned anomalous values in gold and polymetalic minerals. Masuparia's geologist concluded that various types of metalogenic targets were present at Tenoriba, including; intrusive related gold targets, epithermal low sulphidation-type targets, and porphyry type targets. Masuparia discarded the high sulphidation epithermal target type, although they did identify the presence of vuggy silica texture on surface, they believed that the vuggy silica was the result of secondary or supergene processes and not hydrothermal in origin. Their conclusion was based on the lack of proper alteration minerals (phyrophyllite) and lack of high sulphides and ore minerals (enargerite and chalcopyrite) plus the absence of vuggy silica in core intercepts. Masuparia did not perform any X-Ray diffraction analysis during their exploration program to determine the types of clay minerals present in the highly silicified replacement rocks.

- Reconnaissance mapping was performed throughout the periods in which Masuparia was active in the field, in addition a stratigraphic mapping campaign was carried out by Mich Milalynuc and C. Pang between February and March 2008. During this rapid mapping campaign the basic litho-stratigraphy units underlying the Tenoriba property were established. To summarize, this campaign defined three lithological suites: The first is regarded as part of the "Lower Volcanic Supergroup" (or Lower Volcanic Complex) and the two others as part of the Upper Volcanic Supergroup". These volcanic units are intruded by diorite and monzodiorite bodies. In addition the report mentioned the presence of the granitoid - granodiorite regional batholiths west of the mapped area, however this unit does not appear on their geology map.

Figure 4 - Masuparia Gold Corp., Gold in Soil Geochemical Survey Results Map



- Masuparia contracted the drilling of 15 NQ to HQ size diamond drill holes for a total of 2,570.4 between the middle of January to the middle of May 2008. These holes were testing soil anomalies which in most case correlated with surface rock anomalous samples and interpreted projections of small mineralized structures. Overall Masuparia reported various significant gold bearing intercepts which are summarized in Table 4. The drill hole locations are shown in **Figure 5 – Masuparia Gold Corp., Surface Drill Hole Location and Drill Trace Map**. **Figures 7, 8 and 9 are drill sections from holes TDH-07, TDH-11 and TDH-14**, respectively extracted from Masuparia's April 2009 drill report. Please Note that Masuparia's drill core is stored at El Durazno de Arriba community in a covered building in original core storage boxes which is also the site of Mamut's field camp.

Table 4 – Masuparia Gold Corp. - Significant Diamond Drill Hole Intercepts (June 2008)

Hole ID	Interval	From (metres)	To (metres)	Interval Length	Au Fire Assay (g/t)
TDH-01	1	3.50	14.70	11.20	0.54
TDH-02	1	3.26	4.40	1.14	3.18
	2	57.35	58.85	1.50	1.60
TDH-04	1	103.00	110.00	7.00	0.46
TDH-07	1	35.00	51.00	16.00	0.49
	2	61.00	64.70	3.70	5.33*
	including	62.80	64.70	1.90	45.90
	3	120.50	132.00	11.50	2.26
	including	129.50	132.00	2.50	9.21
TDH-10	1	108.70	109.70	1.00	1.04
TDH-11	1	4.00	11.00	7.00	0.55
	2	27.30	67.00	39.70	0.48
	including	40.80	49.00	8.20	1.45
	3	110.00	144.40	34.40	1.03
	including	116.80	124.20	7.40	2.82
	including	135.00	144.40	9.40	1.37
	4	161.00	165.00	4.00	1.24
	5	185.00	198.80	13.80	0.60
	including	185.00	186.40	1.40	3.64
TDH-12	1	54.80	57.80	3.00	1.04
	2	119.80	125.10	5.30	0.40
	3 (end-of-hole)	129.80	131.80	2.00	1.43
TDH-13	1	21.00	46.60	25.60	0.56
TDH-14	1	4.00	70.00	66.00	0.50
	including	9.00	25.50	16.50	1.00
	2	111.60	116.00	4.40	0.48
TDH-15	1	50.00	62.00	12.00	0.64
	2	110.80	112.86	2.06	2.77

* Interval TDH-07, 1.9 metres grading 45.90 g/t gold was cut to 1.9 metres grading 10.00 g/t gold.

Figure 5 - Masuparia Gold Corp. - Surface Drill Hole Location and Drill Trace Map

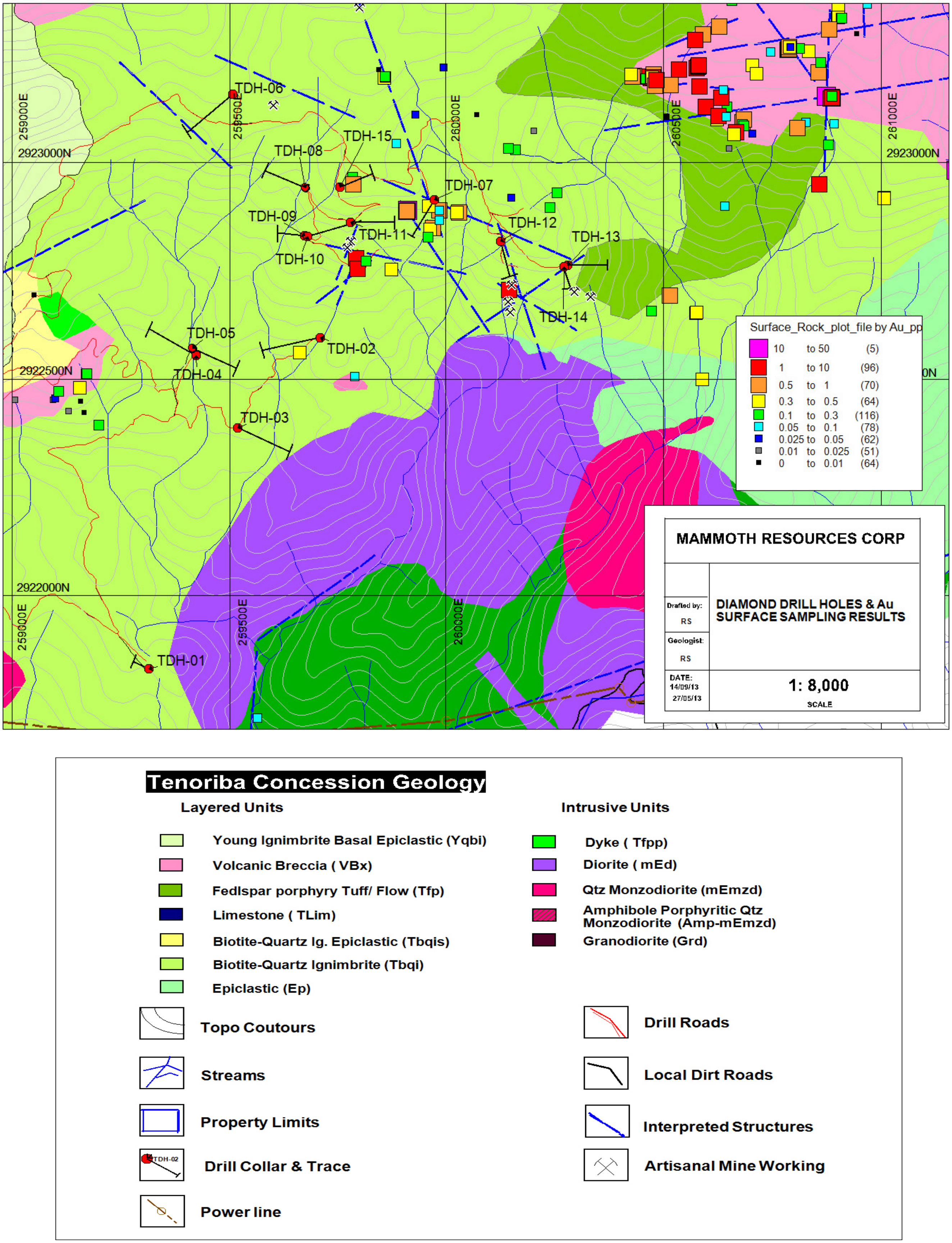


Figure 6 - Masuparia Gold Corp. - Drill Section, Drill Hole TDH-07

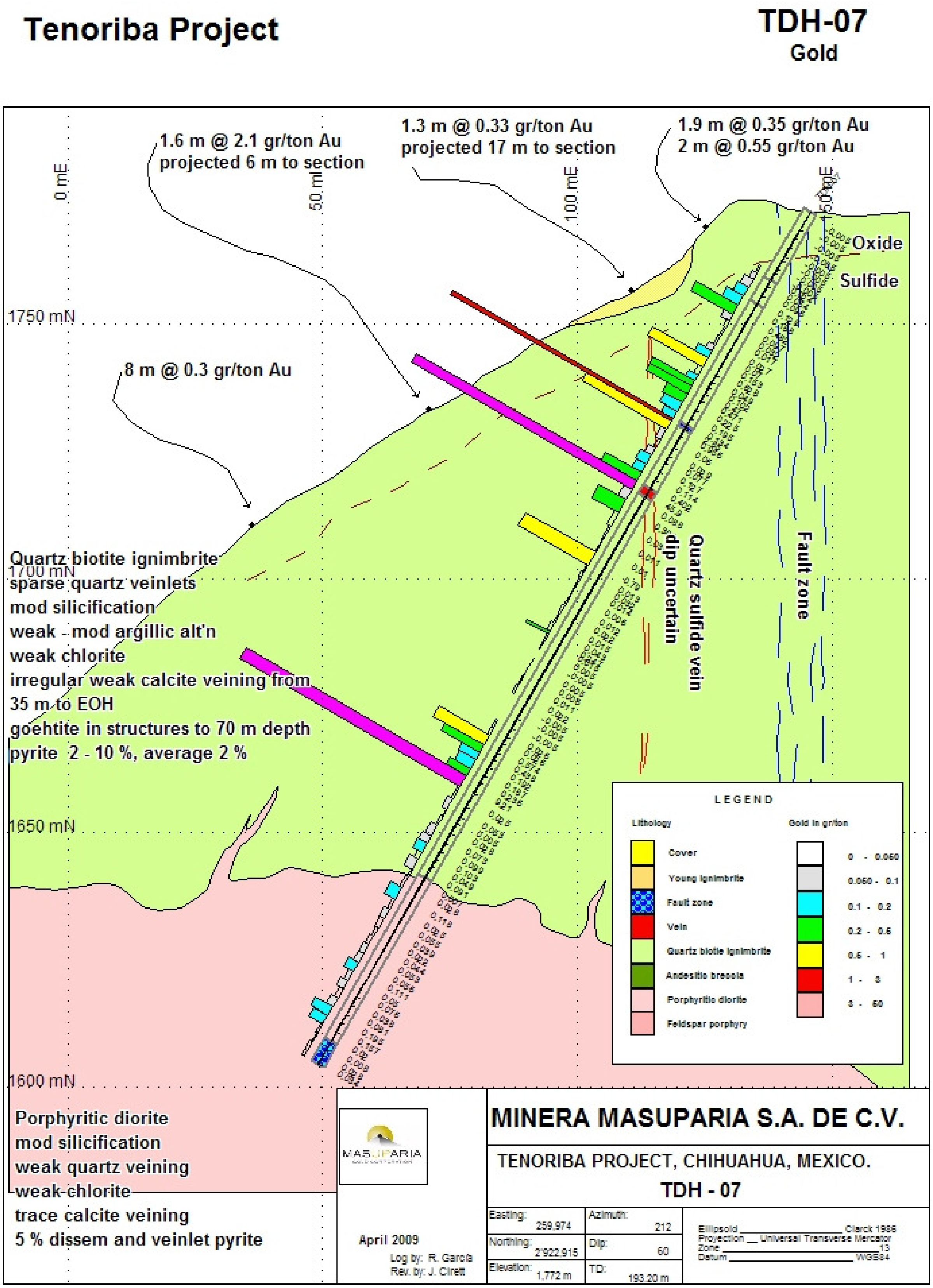


Figure 7 - Masuparia Gold Corp. - Drill Section, Drill Hole TDH-11

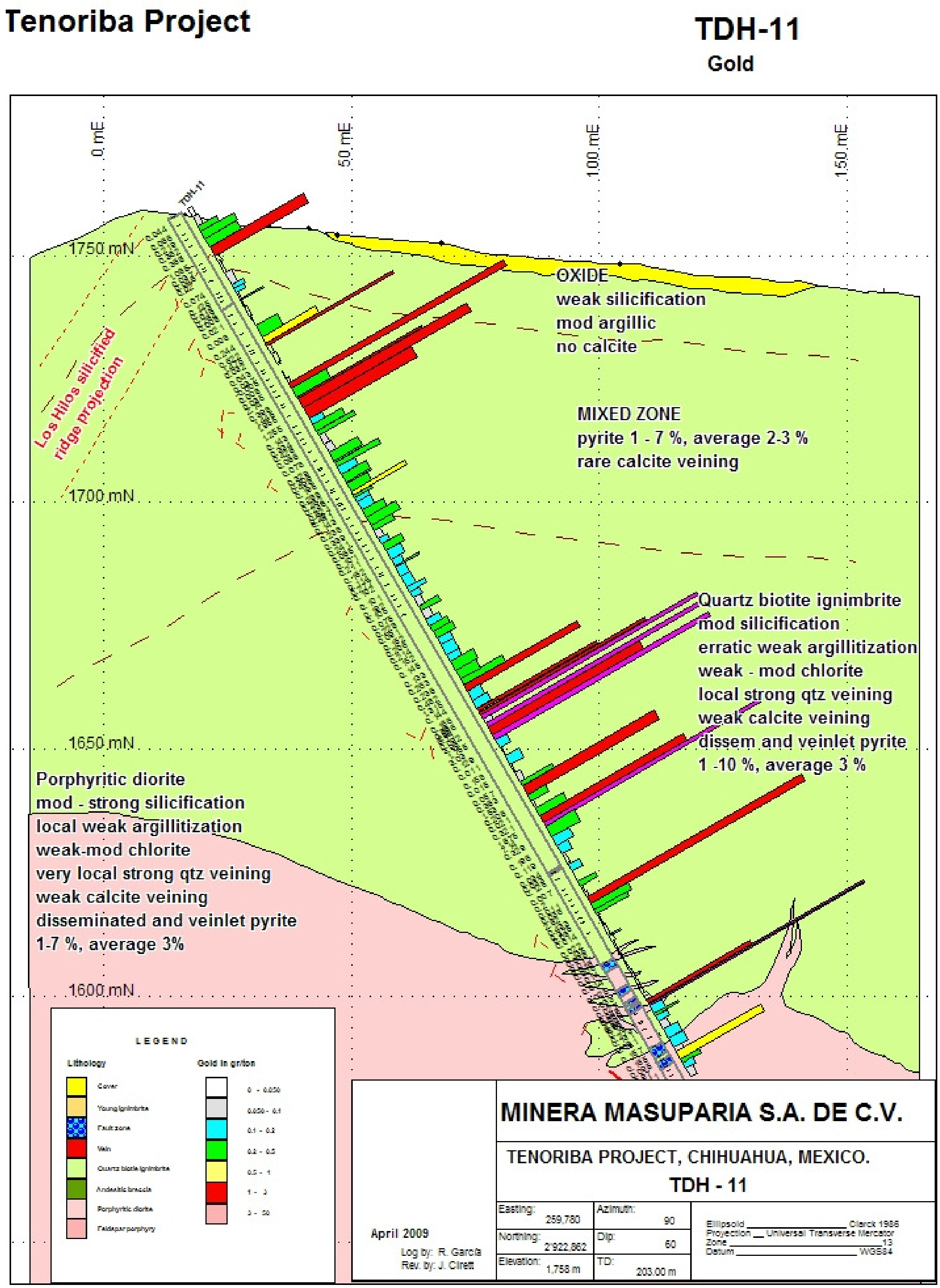
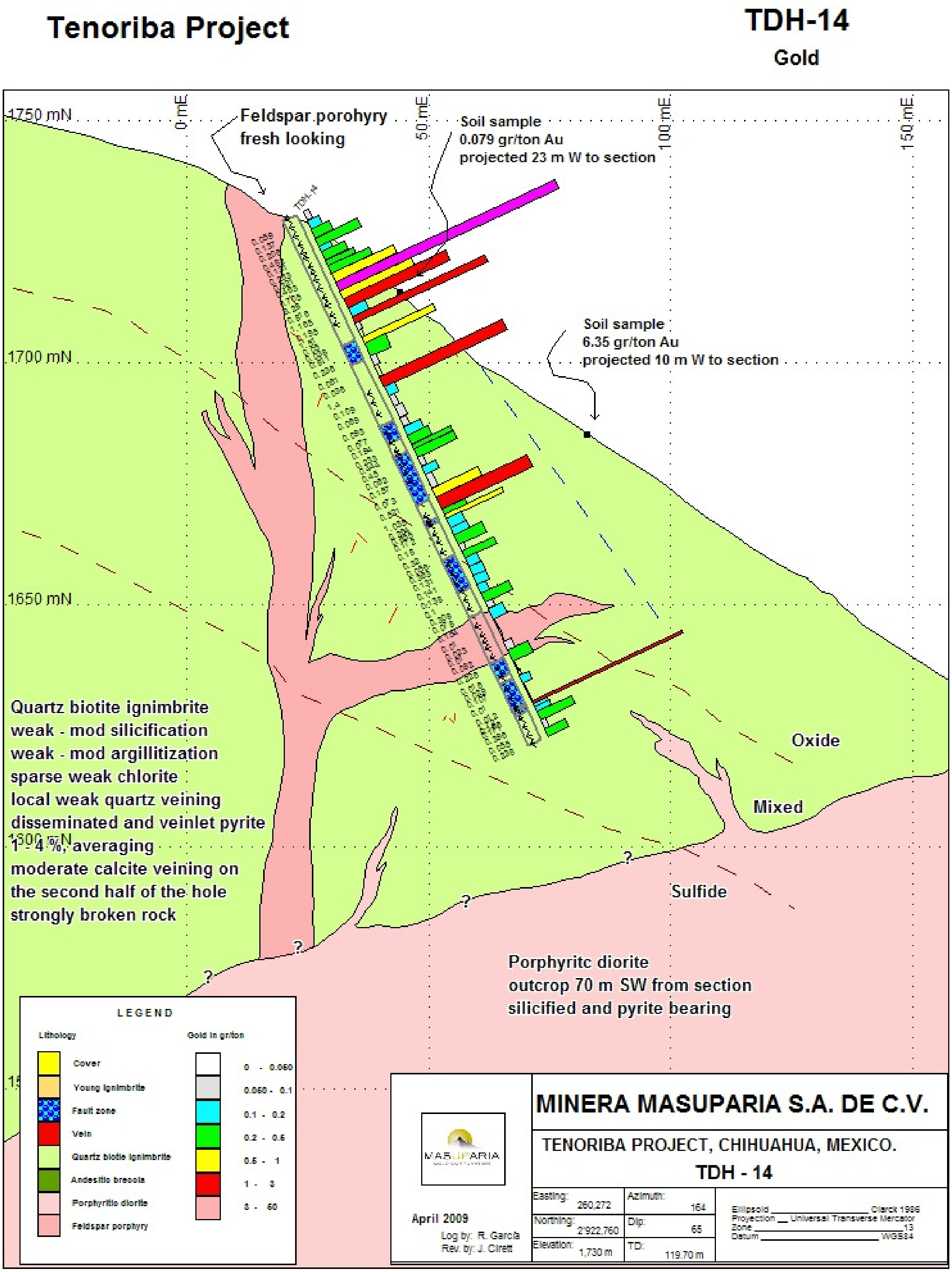


Figure 8 - Masuparia Gold Corp. - Drill Section, Drill Hole TDH-14



4.6 Minera Alta Vista S.A de C.V. 2009 – 2011:

On July 2009 Minera Alta Vista S.A de C.V., the 100% Mexican subsidiary of Yale Resources Ltd. of Vancouver, Canada signed a purchase option agreement with the Tenoriba property owners. The agreement included USD$2,000,000 in cash payments over a four year period. On August 2011, after being unable to make the first semester cash payment to the owner of the property, under the terms of the option agreement between the parties due to the challenges in raising equity capital in the North American equity market, Minera Alta Vista was forced to return the property to the owners. Work performed by Minera Alta Vista during the brief period in which it optioned the property was limited to a few site visits and a small property evaluation report which includes 33 rock samples. A great part of the sampling is from small artisanal mine workings and returned anomalous gold and silver values (greater than 1.0 g/t gold equivalent).

5.0 Regional Geological

The Tenoriba property is located in the north-central Sierra Madre Occidental, a greater than 1,100 kilometre long mountain belt that extends through North West Mexico parallel to the Pacific coast. By far the most conspicuous aspect of the Sierra Madre Occidental geology are the vast ignimbrite sheets of rock which form a 0.5 - 2.0 kilometre thick blanket (Staude and Barton, 2001) over much of northwest Mexico. These blankets of ignimbrite were laid down during three "ignimbrite flare-ups" (Camprubi et al., 2003) between 40 and 20 million years of age (Ma) (Staude and Barton, 2001). Together, the ignimbrite "flare-ups" comprise the younger of two major periods of continental arc volcanism.

An older period of volcanism, coeval with the Laramide intrusions, is dated at approximately 80 to 40 Ma (Late Cretaceous through Early Tertiary; Staude and Barton, 2001). These older volcanic rocks are exposed where the younger ignimbrite blanket has been sufficiently incised. Known as the Lower Volcanic Series (or Supergroup), they are generally altered and are of andesite to rhyolite composition. Near their top they inter-finger with sedimentary rocks (Ferrari et al., 2007).

Structural deformation of the Sierra Madre Occidental is mainly the result of relatively minor extension and ductile deformation related to Laramide contraction deformation. Collapse of the Laramide orogenic welt began in the Middle Tertiary, with a major period of core complex formation in the middle Oligocene attributed to extensional exhumation of mid crustal rocks in northwest Sonora (Nourse et al, 1994). Effects of the extensional episode diminish eastward in the Sierra Madre Occidental, however, wide spread tilting of the ignimbrite sheets by up to 30 degrees is mainly attributed to this extensional deformation. Faults that have accommodated orogenic collapse appear to be important in focusing epithermal mineralization. Particularly important in this regard are post ignimbrite faults, which focus Middle Tertiary mineralization and generally trend north-west (Staude and Barton, 2001), or east-west trending to northeast to west-northwest trending.

Figure 9 - Map of the Regional Geology, Tenoriba Property

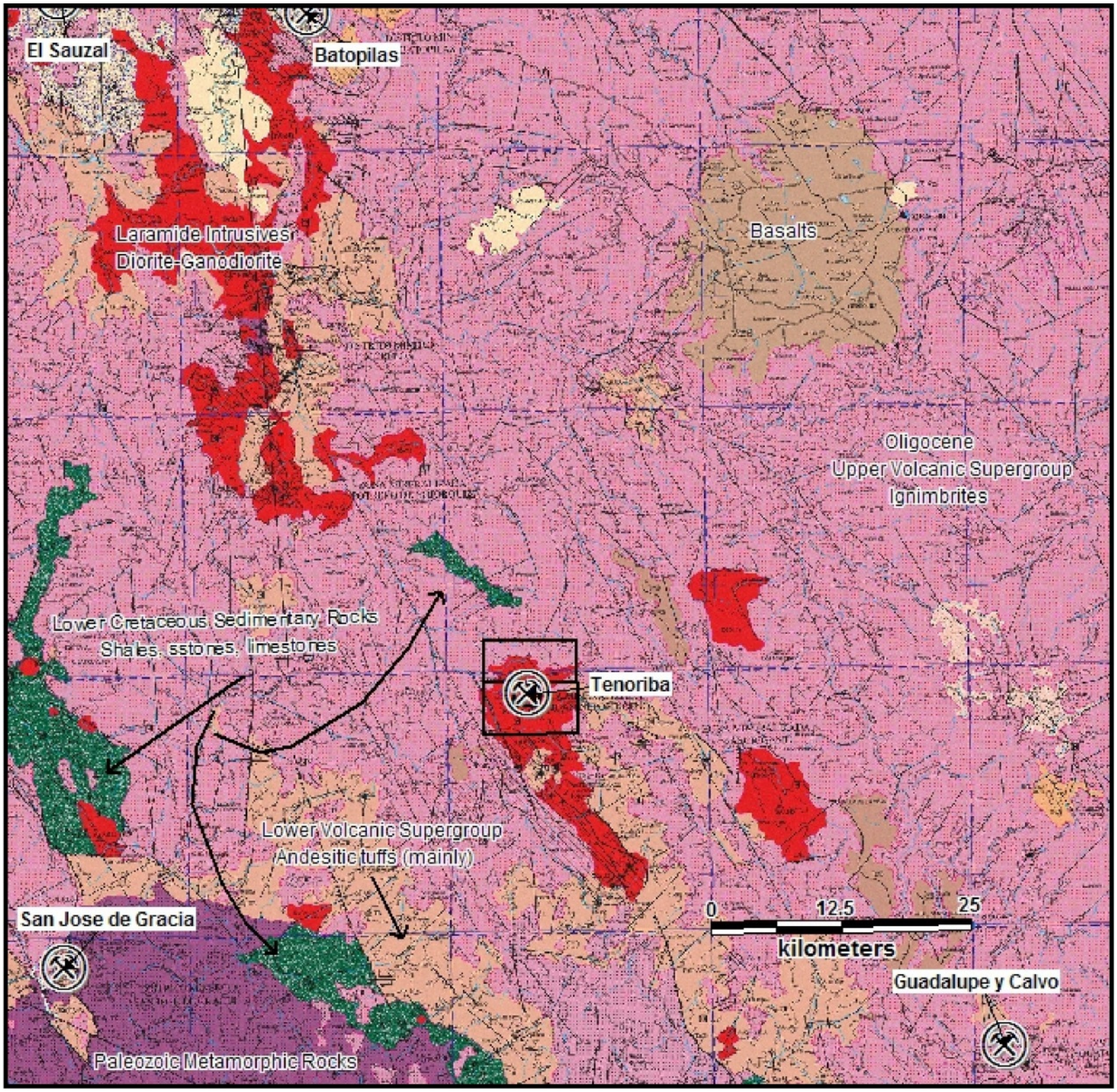


Figure 9 - Regional Geology. CRM G13-4 Guachochi sheet, 1:250,000 scale.
- In purple metasedimentary rocks pre-Lower Cretaceous;
- In green Lower cretaceous shales, sandstones and limestones;
- In pale yellowish-brown late Cretaceous to Eocene volcanic rocks, mainly andesitic;
- In pink Oligocene ignimbrites, in pale brown Miocene basalts; and
- In red Laramide granitoid intrusive rocks.

Note the location to the NW of El Sauzal and to the southeast of the Guadalupe y Calvo multi-million ounce deposits.

6.0 Property Geology, Tenoriba Property

The basic property geology and stratigraphy established by Masuparia geologists (*Regional Mapping and Prospecting Report, Mitch Mihalynuk and C. Pang, May 2008*) was generally confirmed by the work of Mamut geologists during the work program covered in this report. Three main lithological suites underlie the area mapped on the Tenoriba concessions. First, a succession of intermediary to felsic phyroclastic units intruded by diorite and monzodiorite bodies which are conformably overlain by a thick epiclastic unit. These layered units correlate with the “lower volcanic supergroup” described in the Mihalynuk and Pang report, May 2008. Underlying the area mapped is a large granitoid - granodiorite intrusive which correlates to the Lamaride granitoid bathotlith present on the regional geology map, **Figure 9 - Map of the Regional Geology, Tenoriba Property**.

Unconformably overlying the lower volcanic supergroup are felsic volcanic rocks dominated by a lithic biotite bearing quartz phyric tuff and minor feldspar porphyry and volcanic breccias. These are the focus of the hydrothermal alteration and the small historical mine workings on the property. These felsic volcanic rocks correlate with the "first ignimbrite flare-up". Capping the felsic volcanic rocks is the "young ignimbrite suite" which correlates with rocks of the "second ignimbrite flare-up". The young ignimbrite is fresh looking, often salmon-pink in colour and is not affected by the hydrothermal alteration present in the lower units. Small felsic and intermediate composition dykes have also been noticed but generally not mapped in detail.

Mapping of the alteration continues as of the timing of the writing of this report, particularly in regards of the argillic-silica alteration where the general interpretation of these rocks is believed not to differ significantly from the alteration map drawn by Mauparia geologist (refer to **Figure 11 - Masuparia Corp., Alteration Map, Cerro Cenizo**). Mamut geologists, based on work performed to date mapping the property, believe that their map will most likely differ in regards to the silica ridge and silica float present on the property. In addition, tourmaline alteration present in the epiclastic lower volcanic supergroup will be added to the Mamut map. The limit of the epiclastic lower volcanic supergroup will most likely differ from Mitch Myhalinuk’s interpretation of this unit. Refer to **Figure 10 - Property Geology and Preliminary Structural Interpretation, Tenoriba Property**.

The compilation of geological information, a product of the exploration activities performed by Masuparia Gold Corp. from 2007 through 2008, plus the geological information as a result of the work performed by Mamut, has clearly identified the presence of various precious metal (gold and silver) mineralized anomalous areas hosted by highly altered felsic volcanic units (tuff and breccias) which can be associated to a shallow high sulphidation precious metal mineralized epithermal system(s).

A large area of frequent, ubiquitous, elevated precious metal (gold and silver) mineralization measuring approximately 5 kilometres in a west, southwest – east, northeast direction and 3 kilometres perpendicular to this trend, totaling 15 square kilometres in area, exists on the Tenoriba property. Specific target areas identified to date within this large 15 square kilometre area include, from west to east: *Cerro Colorado, El Moreno, Masuparia area and Los Carneritos*. On the periphery of these priority areas and beyond the 15 square kilometre area of enriched precious metal mineralization, additional, lesser explored targets exist. These areas include: *Arroyo Verde, La Verde, Rincon Colorado* and the area of *La Quemada* where polymetallic enriched veins are noted. Although Mamut geologists have divided these areas into separate targets for ease of identification, there is nothing evidenced on surface, in the stratigraphy or lithologies in which these targets exist, that would suggest that these target areas are not connected at depth, having only been separated either by faulting or simply a lack of outcrop evidencing their relationship one to the other.

At the Tenoriba property, within the large 15 square kilometre area anomalous in precious metal mineralization, mineralization consists mainly of gold and silver. In addition to these elevated and ubiquitous occurrences of gold and silver in this area, there are a number of compelling characteristics to the rocks sampled that support a high sulphidation epithermal precious metal system at Tenoriba. These characteristics, commonly associated with high sulphidation epithermal precious metal systems, also occur in strong association with stratigraphic controls to mineralization. Mamut geologists believe that these associations are evidence that the Tenoriba targets are part of a shallow elevation, high sulphidation epithermal mineralizing system. This shallow elevation implies that feeder systems, responsible for precious metal enrichment to this shallow system mapped and sampled on surface, could occur at depth.

Characteristics observed from the surface mapping and sampling on the Tenoriba property that are common in high sulphidation, epithermal precious metal systems (refer to **Section 10 - Discussion and Recommendations**, of this report for additional information on these characteristics), include:

- An overall lack of copper and other base metals (zinc and lead), indicating a high elevation system.
- Samples that are enriched in gold and silver frequently assay elevated levels of mercury, antinomy and arsenic.
- The silver to gold ratio is low, tending towards approximately 12 to 16.
- Where samples assay enriched gold and silver values (greater than 1.0 g/t "gold equivalent" – where silver is converted to gold value based on a 50 silver : 1 gold ratio) these samples are associated with high tellurium and high tellurium over selenium ratios (Masuparia compiled rock chip assay results which show this relationship), refer to **Table 5 - Masuparia Rock Chip Assay Results, Tellurium/Selenium Comparison**.

Table 5 - Masuparia Rock Chip Assay Results, Tellurium/Selenium Comparison.

Sample Number	Sample Type	Sample Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Silver/ Gold Ratio	Selenium (ppm)	Tellerium (ppm)	Te/Se Ratio
MM-0657	Chip	1.00	0.96	2.33	2.44	0.40	1.47	3.68
MM-1192	Chip	1.05	0.78	11.20	14.36	0.90	4.52	5.02
MM-0912	Chip	1.40	1.01	0.64	0.64	0.50	0.25	0.50
MM-1348	Chip	1.30	0.95	3.59	3.79	0.80	5.00	6.25
MM-0608	Selective	0.30	1.00	1.08	1.08	3.00	8.95	2.98
MM-1305	Chip	1.70	1.03	0.43	0.42	0.30	0.04	0.13
MM-4059	Chip	1.20	1.03	0.77	0.75	0.40	0.41	1.03
MM-4026	Channel	2.00	0.90	7.84	8.76	0.20	0.35	1.75
MM-0697	Chip	2.00	0.93	6.99	7.56	0.30	2.50	8.33
MM-0183	Chip	3.00	0.92	7.60	8.29	11.50	5.51	0.48
MM-0196	Chip	1.30	1.03	2.61	2.53	0.30	2.34	7.80
MM-4058	Chip	2.00	1.11	0.80	0.72	0.20	0.34	1.70
MM-1809	Chip-Channel	2.00	1.10	1.11	1.01	15.20	9.34	0.61
MM-0905	Chip	2.00	0.22	46.70	210.36	7.50	3.29	0.44
MM-0605	Channel	1.60	1.16	2.16	1.87	11.10	8.89	0.80
MM-1454	Chip		0.94	14.00	14.91	2.20	7.95	3.61
MM-0601	Channel	0.80	1.20	2.13	1.78	13.70	10.45	0.76
MM-4746	Chip	1.20	1.02	11.00	10.78	1.00	0.13	0.13
MM-1803	Chip-Channel	1.60	1.17	4.27	3.67	19.30	19.95	1.03
MM-0937	Chip	1.90	1.24	1.18	0.96	0.90	1.28	1.42
MM-4012	Chip	1.50	1.20	3.52	2.95	0.30	1.31	4.37
MM-0650	Chip-Channel	1.50	1.19	4.44	3.73	1.70	7.55	4.44
MM-0672	Chip	1.80	1.27	1.17	0.92	2.30	5.58	2.43
MM-4053	Chip	1.70	1.12	9.12	8.14	0.40	2.49	6.23
MM-0611	Channel	1.20	1.26	2.71	2.16	14.20	5.13	0.36
MM-0906	Chip	1.00	1.27	3.16	2.50	0.20	0.68	3.40
MM-1307	Chip	1.40	1.31	1.72	1.31	0.30	0.37	1.23
MM-2473	Chip	2.00	1.36	2.04	1.51	2.30	3.80	1.65
MM-1198	Chip	1.50	1.35	3.84	2.86	0.30	3.99	13.30
MM-0926	Chip	2.00	1.47	0.61	0.41	0.50	1.14	2.28
MM-1196	Chip	1.20	1.48	4.17	2.83	0.20	4.92	24.60
MM-1331	Chip	2.00	1.46	7.22	4.95	1.80	2.95	1.64
MM-1328	Chip	1.50	1.55	4.24	2.74	2.60	3.08	1.18
MM-0191	Chip	1.70	1.53	5.40	3.54	15.10	5.55	0.37
MM-1428	Chip	2.00	0.81	41.90	51.99	2.80	3.47	1.24

Sample Number	Sample Type	Sample Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Silver/ Gold Ratio	Selenium (ppm)	Tellerium (ppm)	Te/Se Ratio
MM-1197	Chip	2.00	1.31	18.70	14.27	0.50	7.56	15.12
MM-4042	Channel	2.00	1.65	3.14	1.90	0.30	1.59	5.30
MM-1408	Chip	2.00	1.69	1.72	1.02	0.30	4.24	14.13
MM-0170	Chip	2.00	1.36	20.10	14.83	10.70	24.50	2.29
MM-4048	Chip	0.80	1.70	4.13	2.43	4.10	5.85	1.43
MM-0903	Chip	1.00	1.66	9.11	5.50	0.60	5.92	9.87
MM-1311	Chip	2.00	1.32	27.40	20.76	2.20	1.75	0.80
MM-0171	Float	2.00	0.01	94.70	18940.00	3.10	2.63	0.85
MM-0628	Chip-Channel	2.00	1.72	10.30	5.99	11.90	16.50	1.39
MM-0186	Chip	1.45	1.83	5.45	2.99	15.00	7.10	0.47
MM-0693	Chip	1.80	1.72	13.35	7.76	0.60	5.52	9.20
MM-0197	Chip	2.00	2.04	1.28	0.63	0.30	6.82	22.73
MM-1344	Chip	1.65	1.93	7.69	3.99	0.80	6.10	7.63
MM-0602	Channel	1.40	2.06	3.34	1.62	22.00	20.60	0.94
MM-1321	Chip	1.80	1.97	11.15	5.66	0.70	3.19	4.56
MM-1304	Chip	1.30	2.30	1.69	0.73	1.80	0.10	0.06
MM-1333	Chip	1.60	2.12	15.45	7.29	0.50	4.35	8.70
MM-0907	Chip	1.40	2.13	15.05	7.07	0.40	2.19	5.48
MM-0643	Chip-Channel	1.50	2.40	2.60	1.08	0.70	7.22	10.31
MM-0690	Chip	1.50	2.39	4.13	1.73	0.70	6.89	9.84
MM-0189	Chip	2.00	0.12	118.00	951.61	3.30	2.89	0.88
MM-0902	Chip	1.50	2.41	6.14	2.55	0.50	2.96	5.92
MM-0607	Channel	1.50	2.06	27.00	13.11	52.90	49.00	0.93
MM-1419	Chip		2.59	5.28	2.04	3.90	1.93	0.49
MM-0641	Chip-Channel	1.80	2.43	14.40	5.93	0.90	11.50	12.78
MM-1429	Chip	1.50	2.77	5.90	2.13	4.30	2.19	0.51
MM-0931	Chip	1.70	2.90	3.34	1.15	1.20	3.89	3.24
MM-0187	Chip	1.70	3.01	11.80	3.92	12.10	12.40	1.02
MM-4744	Chip	1.20	3.49	3.08	0.88	1.50	1.17	0.78
MM-0613	Channel	1.10	3.94	3.87	0.98	12.70	13.20	1.04
MM-0181	Chip	1.10	3.99	3.66	0.92	10.70	19.65	1.84
MM-0166	Chip	1.00	4.00	19.75	4.94	25.80	6.16	0.24
MM-1167	Chip	1.00	3.55	60.50	17.04	6.50	2.33	0.36
MM-0152	Chip	0.40	0.26	225.00	862.07	108.00	16.55	0.15
MM-0668	Chip	1.60	1.03	192.00	187.32	9.60	20.80	2.17
MM-1318	Chip	1.90	4.52	17.85	3.95	0.90	4.97	5.52

Sample Number	Sample Type	Sample Length	Gold Grade	Silver Grade	Silver/ Gold Ratio	Selenium	Tellerium	Te/Se Ratio
		(metres)	(g/t)	(g/t)		(ppm)	(ppm)	
MM-0627	Chip-Channel	1.40	4.98	9.37	1.88	21.20	18.60	0.88
MM-1164	Chip	1.40	4.95	10.90	2.20	0.60	1.69	2.82
MM-0680	Chip	1.70	5.13	3.22	0.63	0.40	7.07	17.68
MM-4047	Chip	2.00	5.03	22.40	4.45	1.10	11.70	10.64
MM-1802	Chip-Channel	1.50	5.43	26.70	4.92	37.40	106.00	2.83
MM-4007	Chip	0.40	5.14	51.70	10.06	1.00	7.87	7.87
MM-1310	Chip	0.40	6.20	11.80	1.90	0.40	4.10	10.25
MM-1319	Chip	1.70	6.86	9.13	1.33	0.60	5.17	8.62
MM-1317	Chip	1.60	6.69	30.40	4.54	1.00	8.63	8.63
MM-1316	Chip	1.50	7.03	38.10	5.42	1.00	8.95	8.95
MM-0644	Chip-Channel	1.00	8.16	32.10	3.93	0.60	58.20	97.00
MM-0198	Dump	1.00	7.25	103.00	14.21	1.10	9.70	8.82
MM-1320	Chip	2.00	8.72	37.90	4.35	1.10	8.55	7.77
MM-1343	Chip	1.10	9.54	35.00	3.67	0.80	48.80	61.00
MM-0160	Chip	0.60	0.68	540.00	798.82	5.70	126.00	22.11
MM-1332	Chip	1.60	11.10	47.20	4.25	2.40	18.35	7.65
MM-1324	Chip	2.00	12.60	4.30	0.34	0.80	7.18	8.98
MM-4014	Dump		6.82	307.00	45.01	4.60	2.90	0.63
MM-4001	Dump		11.35	82.70	7.29	6.10	1.10	0.18
MM-0190	Dump		2.60	537.00	206.54	1.60	3.00	1.88
MM-1312	Chip	2.00	12.25	226.00	18.45	2.60	3.16	1.22
MM-1308	Chip	1.80	31.80	16.90	0.53	0.70	5.48	7.83
AVERAGE					**12.38**			**4.75**

Figure 10 - Geology and Preliminary Structural Interpretation, Tenoriba Property

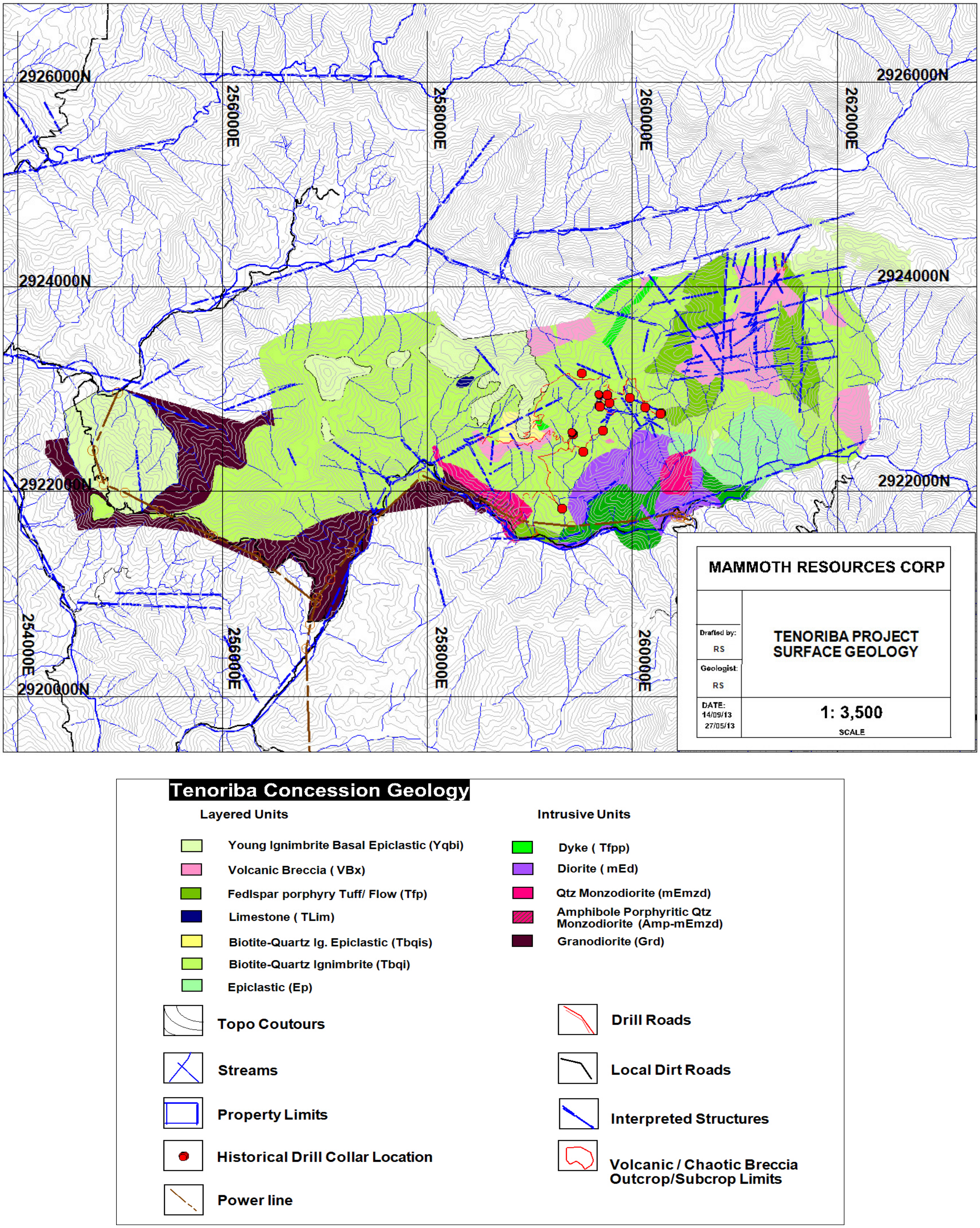
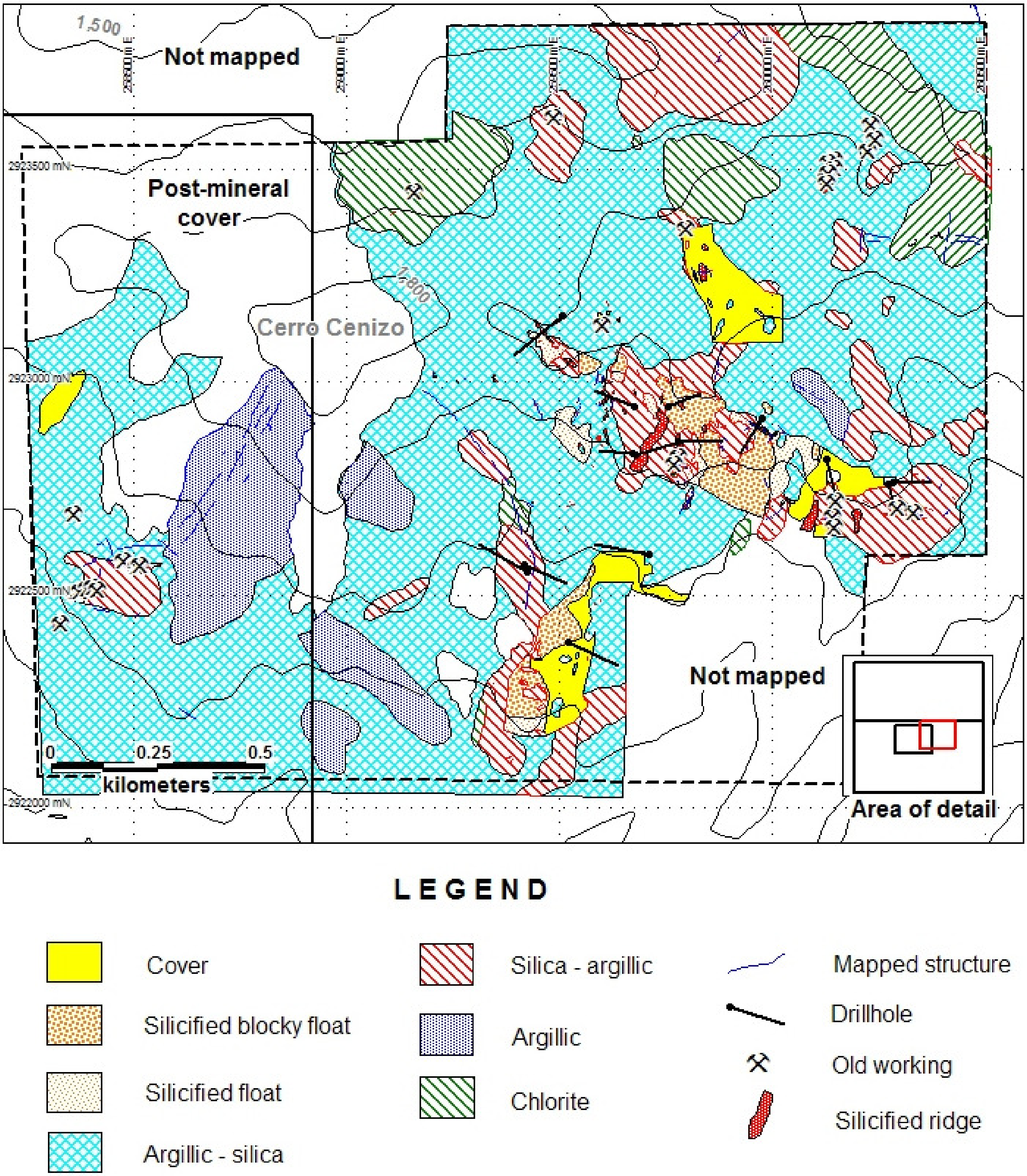


Figure 11 - Masuparia Gold Corp., Alteration Map, Cerro Cenizo



7.0 Tenoriba Field Sampling and Mapping and Preliminary Metallurgical Programs

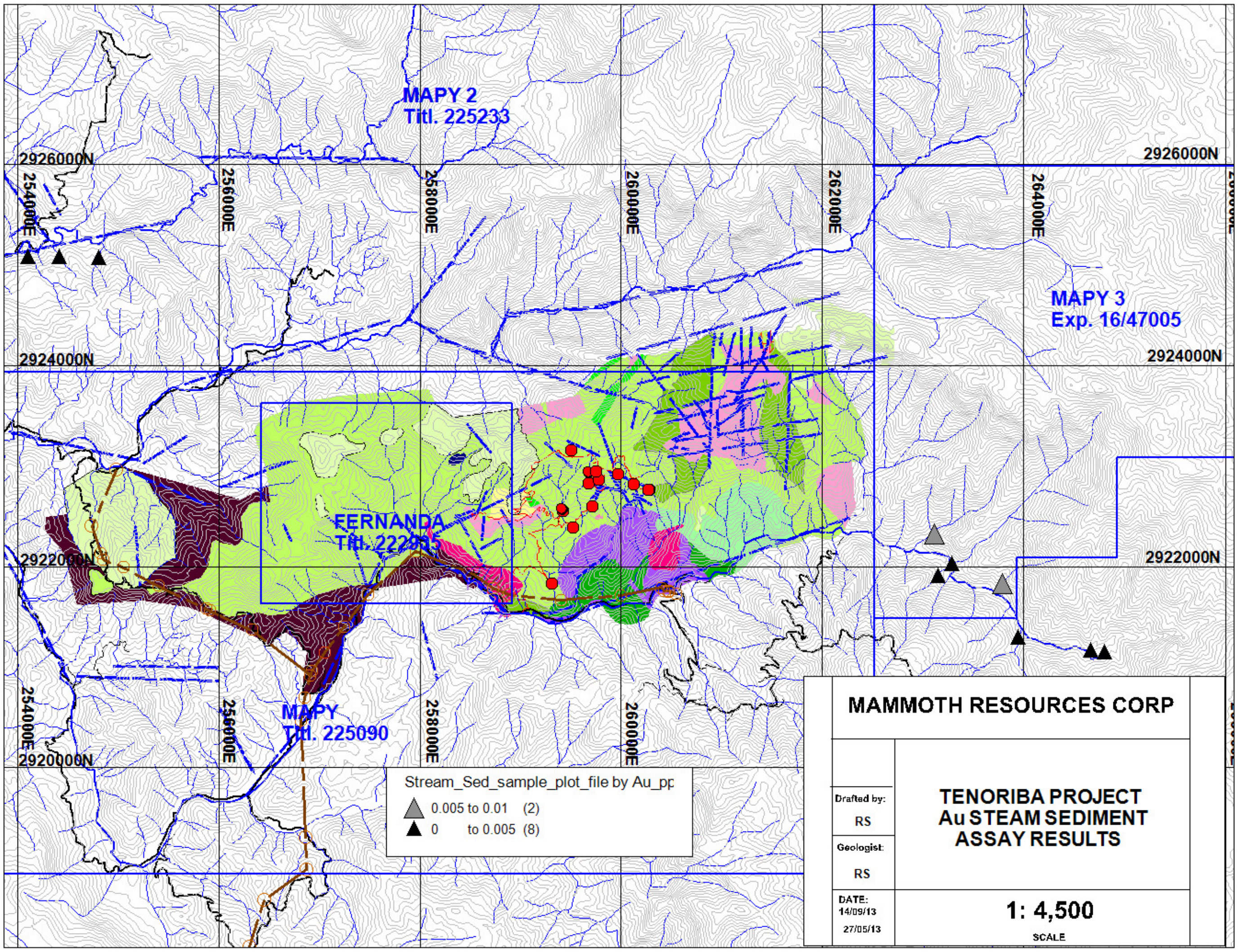
7.1 BLEG Type Stream Sediment Survey:

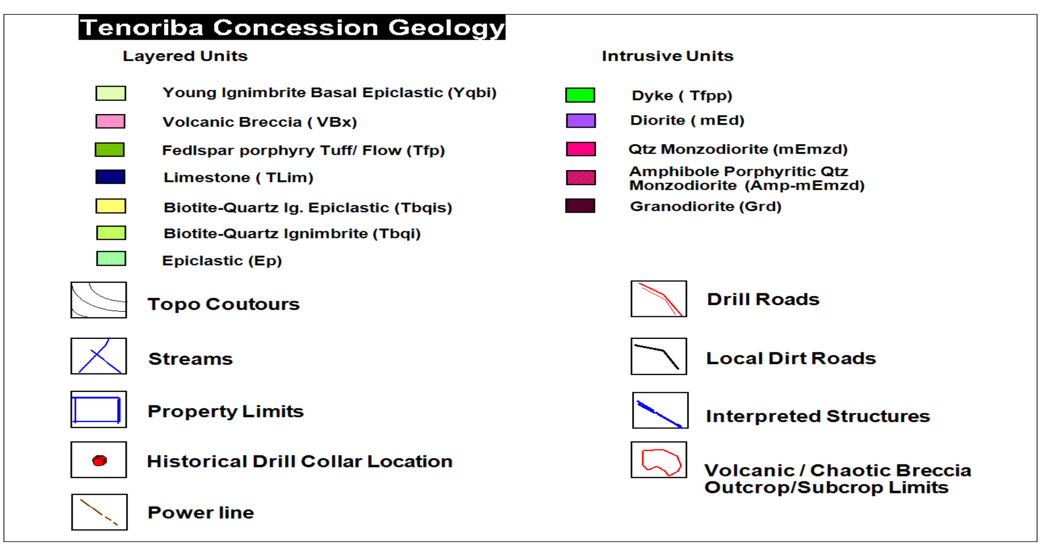
A small reconnaissance bulk leachable gold (BLEG) type stream sediment sampling program (Chemx Analytical analysis type - Au-CN11) was performed over the newly staked Mapy 3 claim block and south of the Arroyo Verde on the Tenoriba property. No significant anomalies were identified. It should be noted that the stream sample was overall poor in quality due to the fact that the material sampled contained a high content of organic matter. The results of this survey are listed in **Table 6 - BLEG Type Stream Sediment Results, Tenoriba Property** with sample locations shown in **Figure 12 – Map of BLEG Type Stream Sediment Survey, Tenoriba Property**. The best results are from samples 335458 and 59, which returned 6 parts per billion (0.006 ppm) gold.

Table 5 - BLEG Type Stream Sediment Results, Tenoriba Property

Sample	Worksite	Slope	Gold (ppm)
335458	Mapy 3	Shallow to moderate	0.006
335459	Mapy 3	Moderate	0.006
335460	Mapy 3	Moderate	0.003
335461	Mapy 3	Steep to moderate	0.003
335462	Mapy 3	Moderate	0.001
335463	Mapy 3	Moderate	0.001
335464	Mapy 3	Steep	0.001
335481	Arroyo Verde	Moderate	0.000
335482	Arroyo Verde	Steep	0.001
335483	Arroyo Verde	Moderate to steep	0.001

Figure 12 – Map of BLEG Type Stream Sediment Survey, Tenoriba Property





7.2 X-Ray Diffraction (XRD) by Terraspec

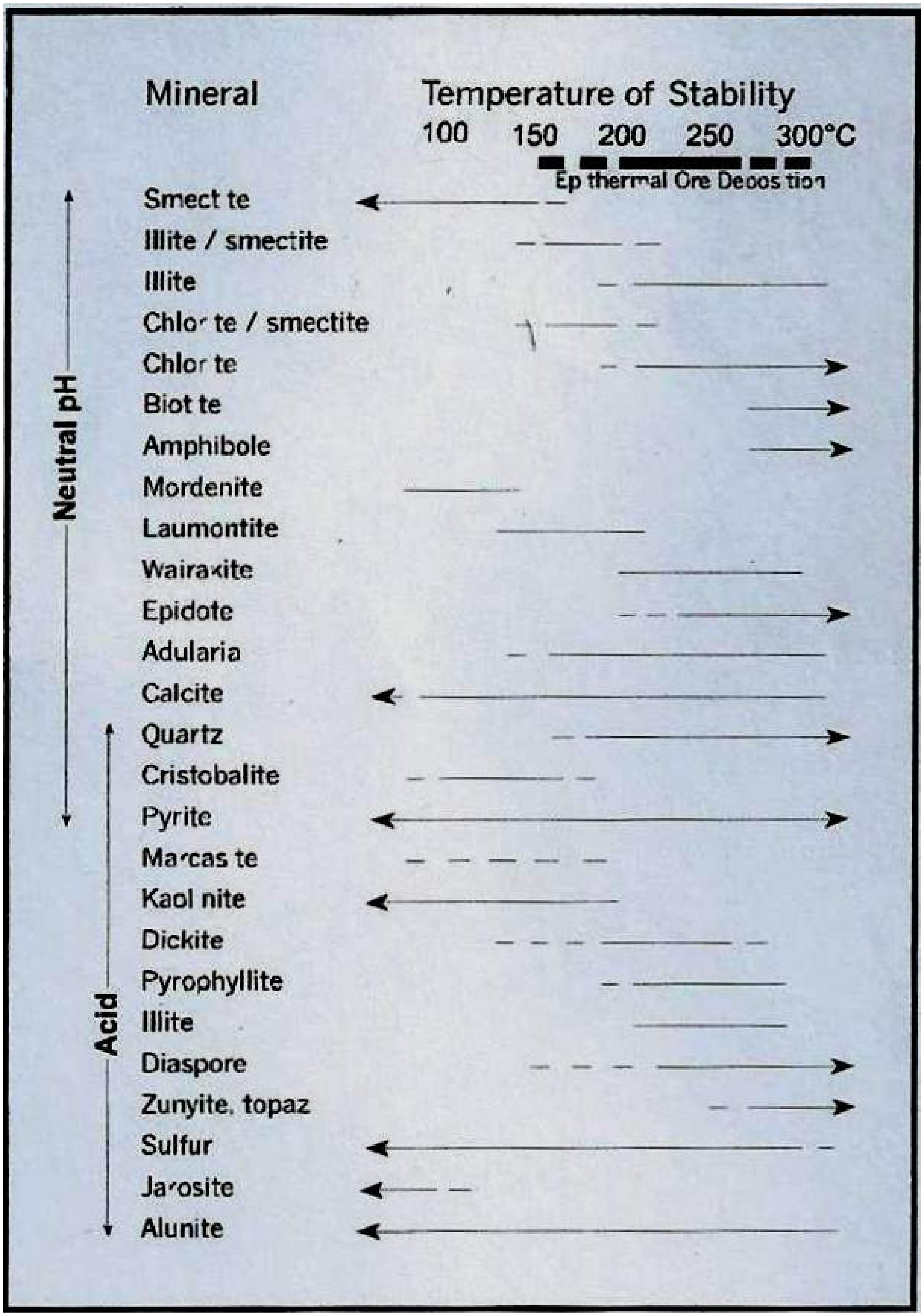
To identify the type of clay present in the large clay altered felsic volcanic and the associated anomalously mineralized polymetalic (gold, silver, arsenic, mercury, antimony) areas on the Tenoriba property (soil and rock sample anomalous areas), 100 samples (refer to Figure 14 - XRD Location and Sample Results Map) were sent to Resources Geosciences de Mexico S.A. de C.V. (RGM) in Hermosillo, Sonora state, Mexico for X-Ray diffraction (XRD) analysis by Terraspec. Numerous samples were analysed in at least two and sometimes three places to identify the presence of different clay minerals, taking into account the presence of vein or veinlets and the alteration in the host rock. A total of 133 spectral analysis were conducted on the 100 samples.

The minerals identified in the study include: kaolinite, dickite, montmorillonite, illite, smectite, hematite, jarosite, halloysite, quartz and opaline silica. The presence of these minerals indicates different kinds of alteration assemblages often found around typical high sulphidation (HS) epithermal deposits, including: vuggy silica, silicic, advanced argillic, and argillic-intermediate to argillic alteration. The association of kaolinite-dickite in particular refers to more or less complete acid attack within an advanced argillic alteration assemblage. The presence of the clay minerals, and alteration assemblages observed on the property, as mentioned above, is evidence that the large approximately 15 square kilometre moderately to strongly argillic and weakly silicified Tertiary felsic volcanic rocks on the Tenoriba property represent the alteration footprint of a high sulphidation epithermal mineralizing system. For more details please refer to Luis G. Zunega Hernandez (RGM), December 2012 and Terraspec Analysis Reports, February 2013.

Although dickite has been identified in a number of locations on the Tenoriba property, it is most common in the Los Carneritos and El Moreno target areas (refer to **Figure 14 - XRD Location and Sample Results Map**). At Los Carneritos, it is common to observe dickite and kaolinite replacing feldspar phenocrysts and filling the vugs in the vuggy silica. Dickite and kaolinite have also been identified in the groundmass of the rock. In addition, dickite and/or white amorphous silica stringers (less than 2.0 centimetres in width) and/or fracture fill are frequent in the altered rocks of the Los Carneritos area. The same is true for the Moreno area although the most common form of alteration clay is the presence of dickite in narrow stringers.

Figure 13 - Temperature and pH Stability of Hydrothermal Minerals, illustrates the relationship between dickite and kaolinite having been formed under average temperatures of approximately 175 to 200 degrees Celsius and at low pH. Such observations indicate that the rocks wherein such minerals occur have clearly undergone alteration under conditions typical in high sulphidation epithermal conditions and are not secondary, supergene in origin as was suggested by Masuparia's geologists.

Figure 13 - Temperature and pH Stability of Hydrothermal Minerals



Note: Figure extracted from; SEG Newsletter, 1995, Noel C. White and Jeffrey W. Hedenquist

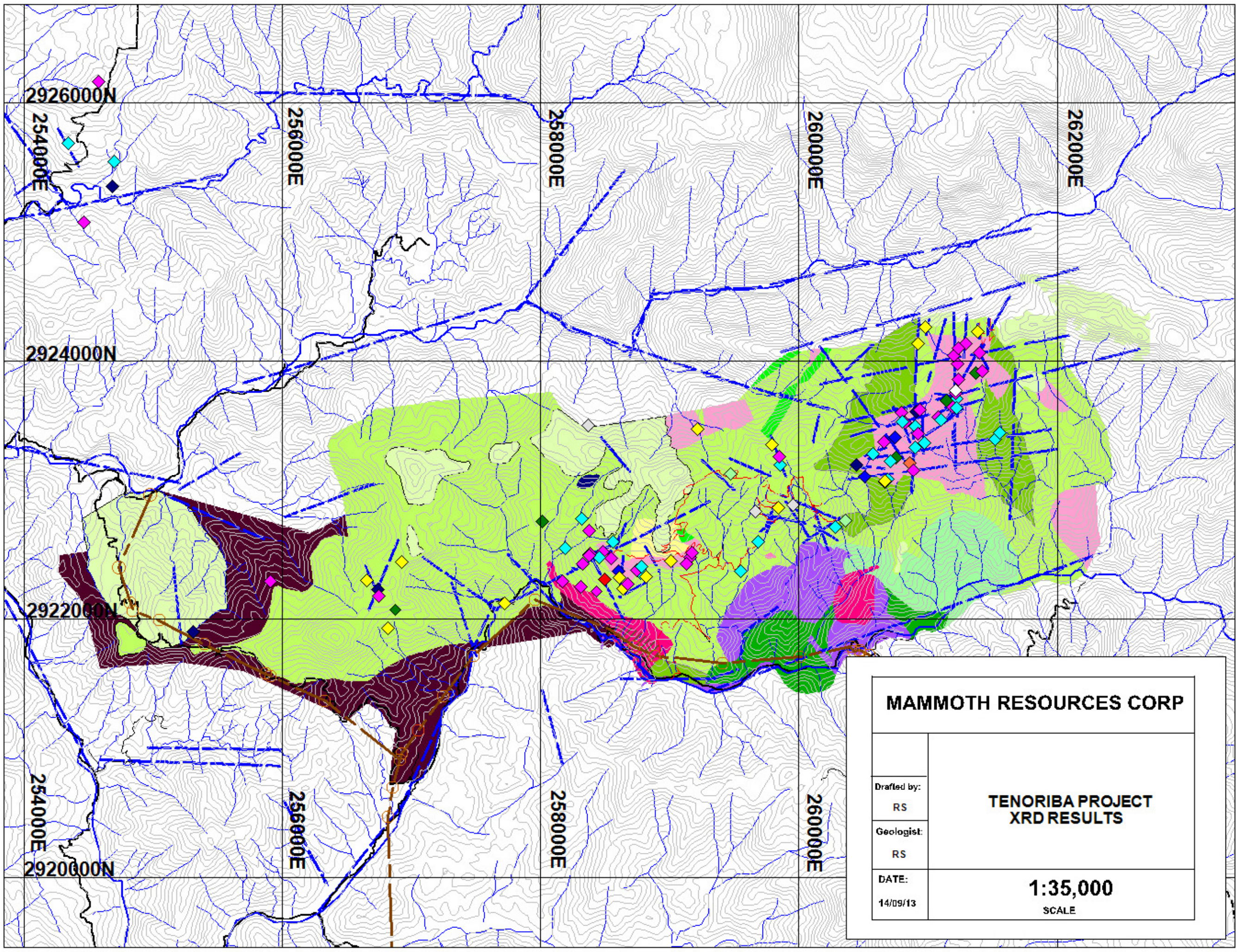
Picture 1 - Typical Dickite Stringer and Fracture Fill at Los Morenos Target Area

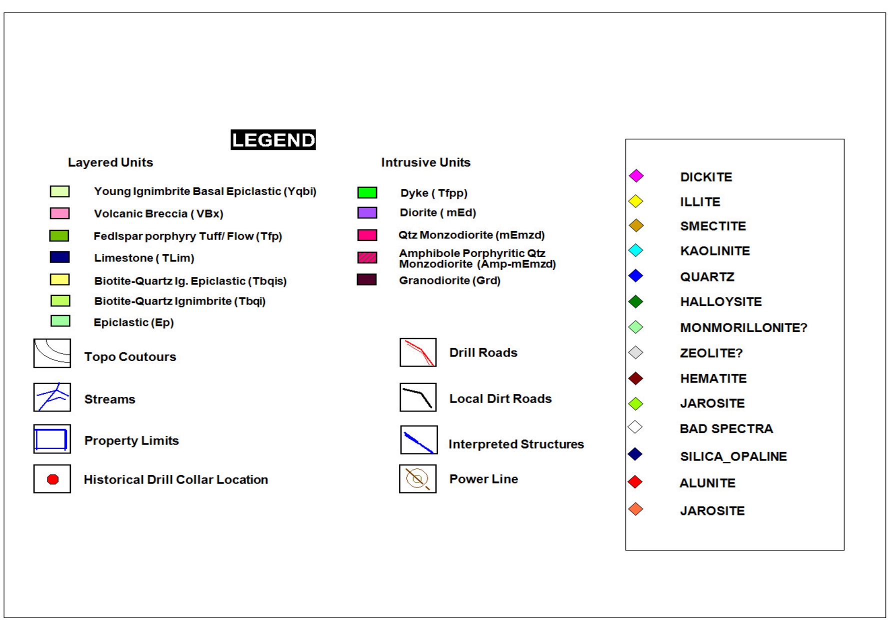
Sample 330024 assayed 0.25 g/t gold and 5.6 g/t silver over a 1.0 metre rock chip channel sample.

Picture 2 - Dickite Fracture Fill and Replaced Feldspar Relics at Los Carneritos Target

Sample 330316 assayed 0.32 g/t gold and 7.2 g/t silver over a 1.5 metre rock chip channel sample.

Figure 14 - XRD Location and Sample Results Map, Tenoriba Property





7.3 Surface and Underground Sampling

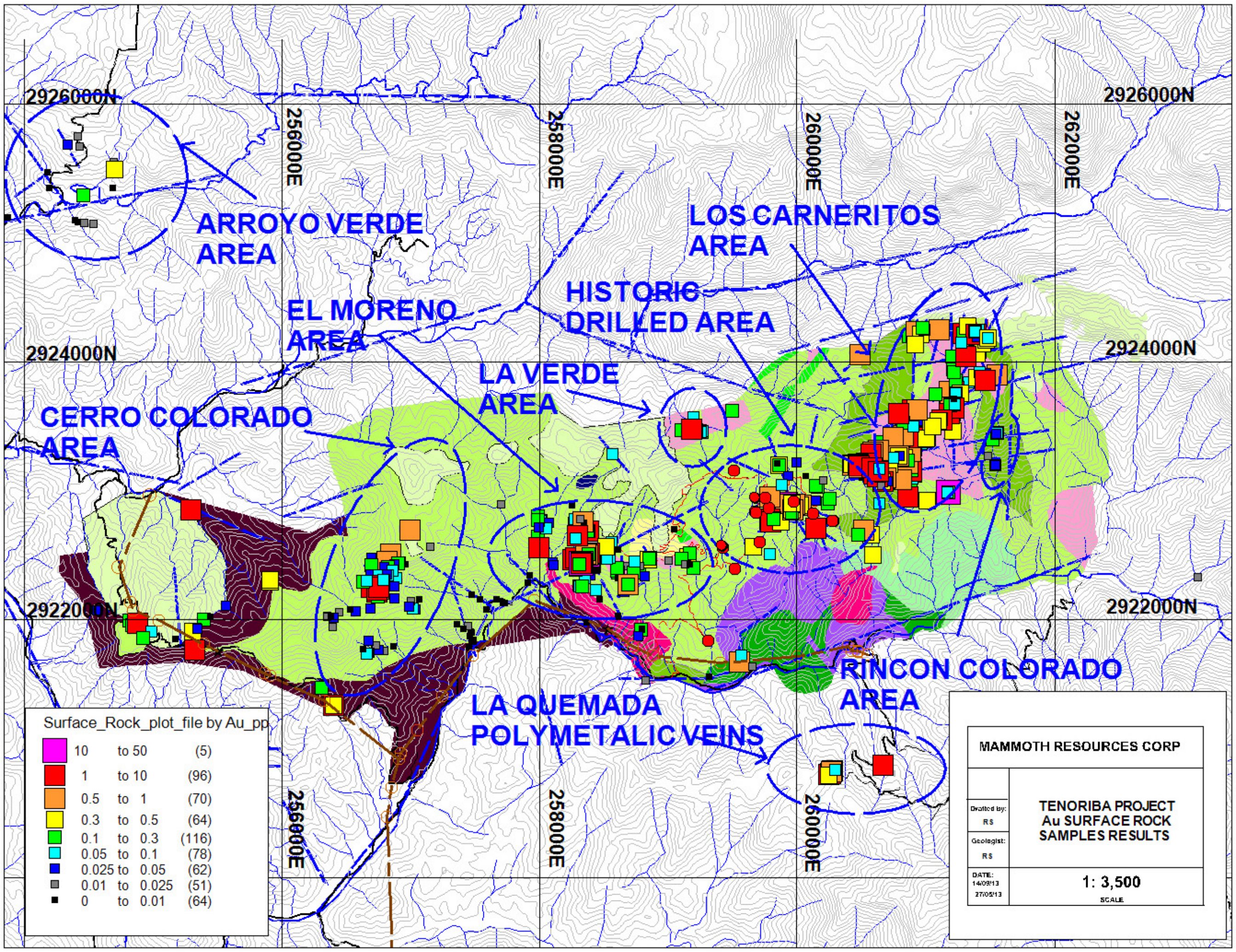
To date, a total of 628 rock float, artisanal mining dump, surface rock chip and underground rock chip samples, including approximately 5% of the total amount of samples analysed having been analysed for quality assurance and quality control (QA/QC) purposes, were collected and sent for analysis during the Mamut field program covered in this report. The program also includes a total of 180 linear metres within 25 shallow (no greater than 1.0 metre vertical depth) hand dug trenches. Where possible, samples were taken of rocks exposed during these excavations, versus float. This sampling and mapping program identified various mineralized target areas. A summary of these area and some of their precious and alteration mineral characteristics is summarized in **Table 7 - Target Area Summary, Tenoriba Project** and **Figure 15 - Sample Location Map, >0.3 g/t Gold Equivalent Surface Sample Results**.

Table 7 - Target Area Summary, Tenoriba Property

Target	Main Anomalies	No. of Samples	XRD Clays and Alteration	Mineralization Type	Priority
El Moreno	gold, silver	142	dickite, kaolinite, illite, quartz and minor alunite vuggy silica	HS	2
Historically Drilled Area	gold, silver	51	kaolinite , halloysite, monmorillonite, zeolite and vuggy silica in float	HS (possible root of the system)	3
Los Carneritos	gold , silver	218	dickite, kaolinite, halloysite, illite, quartz, jarosite and vuggy silica outcrops	HS	1
Cerro Colorado	gold, silver	87	dickite, illite, halloysite vuggy silica	HS	4
La Verde	copper, weak gold & silver	12	-	unknown	6
Arroyo Verde	arsenic, minor gold	16	dickite, daolinite, opaline silica and vuggy silica	HS	5
Rincon Colorado	weak gold	10	-	unknown	7
La Quemada Polymetalic Veins	gold, silver, lead, zinc	7	-	LS	8

HS - High Sulphidation, LS - Low Sulphidation.

Figure 15 - Sample Location Map, >0.3 g/t Gold Equivalent Surface Sample Results



The four main target areas identified in Table 6 have returned the best assay results for gold and silver and the greatest distribution of anomalous gold and silver sample results. In addition to significant enhanced gold and silver assay values these areas also exhibit the characteristic alteration patterns that are commonly associated with HS epithermal mineralizing systems, i.e. clay alteration (dickite, kaolinite, halloysite and minor alunite) plus silica and vuggy silica. The other target areas identified in Table 6 have received only preliminary work and need to undergo further investigation. Their significance may also gain enhanced importance depending on the results of more detailed exploration efforts on the four main target areas as suggested in the recommendations section of this report. A brief description is summarized in section 7.3.5.

7.3.1 Los Carneritos Target Area, Geology and Sample Results

At Los Carneritos the "first ignimbrite flare up" unit consist of altered (silica flooded, argillized volcanic rocks with the presence of dickite and kaolinite) volcanic - chaotic breccia unit underlain by often feldspar phyric and strongly to moderately argillic altered felsic volcanic units (volcanic tuff). The stratigraphy also appears to be in part repeated by east-northeast to east-west striking normal faults (south block appears to have undergone downward displacement) which generally rotates the faulted block to the north (10 to 40 degrees). The area is also affected by northwest to north-south and minor northeast striking and steep to moderately dipping normal faults. These faults and apparent creeping along the steep slope further complicate the movement of the initial faulted blocks. The best alteration (silica, vuggy silica with the presence of dickite) and associated gold and silver mineralization are found at the junction of the fault systems hosted by the volcanic breccia unit. This breccia unit varies from a few metres thick to no more than 20 to 30 metres. It is observed often dismembered and in part eroded. Frequently the breccia outcrop to sub-crops consists of a series of large angular (greater than 10.0 metres thick) sub-in place blocks. This chaotic volcanic breccia is composed of sub-angular to angular finely bedded volcanic tuff containing none stratified volcanic fragments.

Picture 3 - Volcanic, Chaotic Breccia Present at Los Carneritos Target Area

Picture 4 - Typical Contact Between Breccia and the Underlying Highly Argillized Tuff

Picture 5 - Typical Vuggy Silica Texture

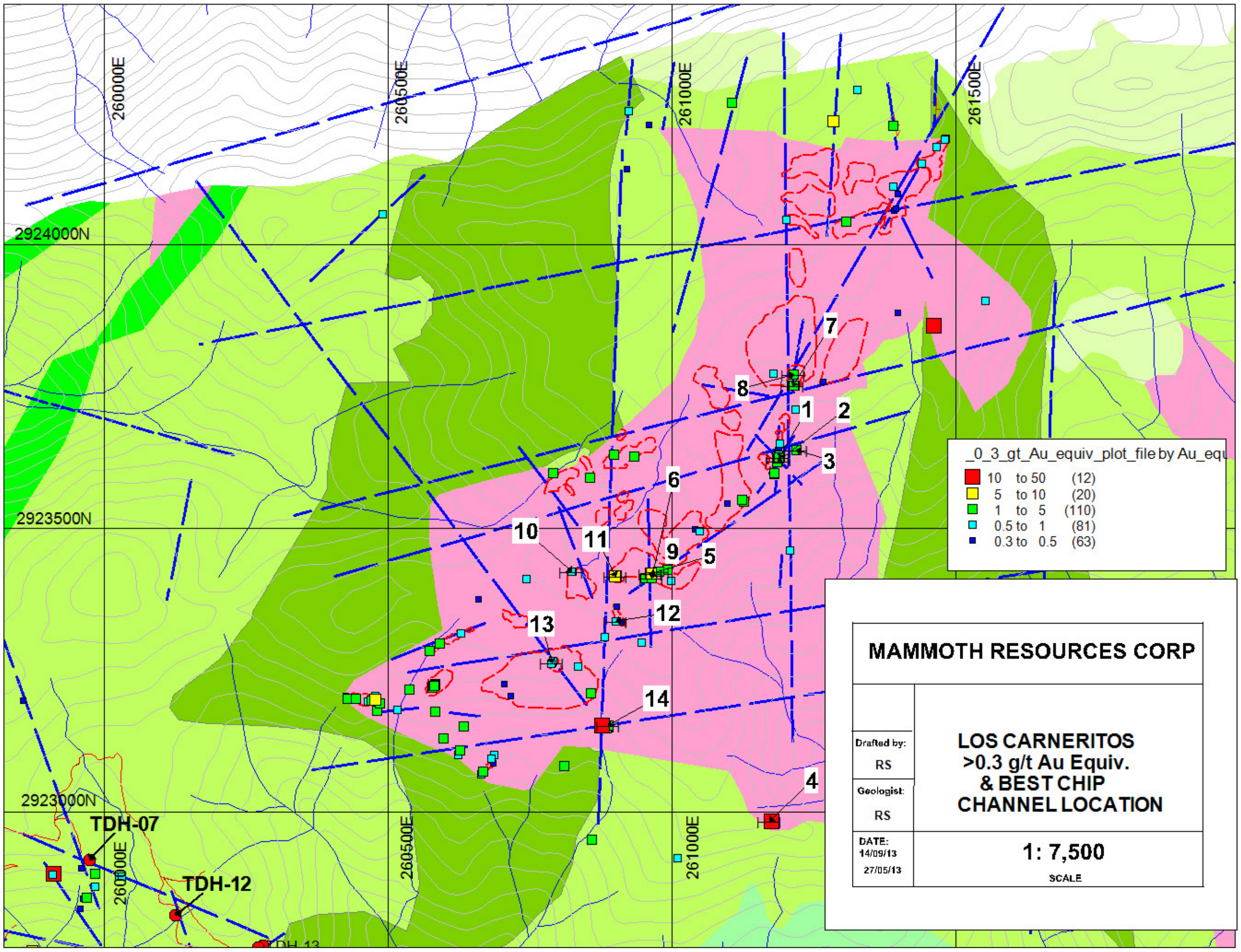
Note to Picture 5 - Sample 330426 assayed 26.1 g/t gold, 121 g/t silver and 0.55ppm copper. Sample 330427 assayed 3.38 g/t gold, 14.4 g/t silver and 0.14% copper. Both samples are from a small artisanal mine working which exposes a small (less than 2.0 metre wide) east-southeast and steeply dipping vuggy silica structure. Sample 330426 is from selected dump material and sample 330427 is a 1.5 metre wide chip channel sample across the structure.

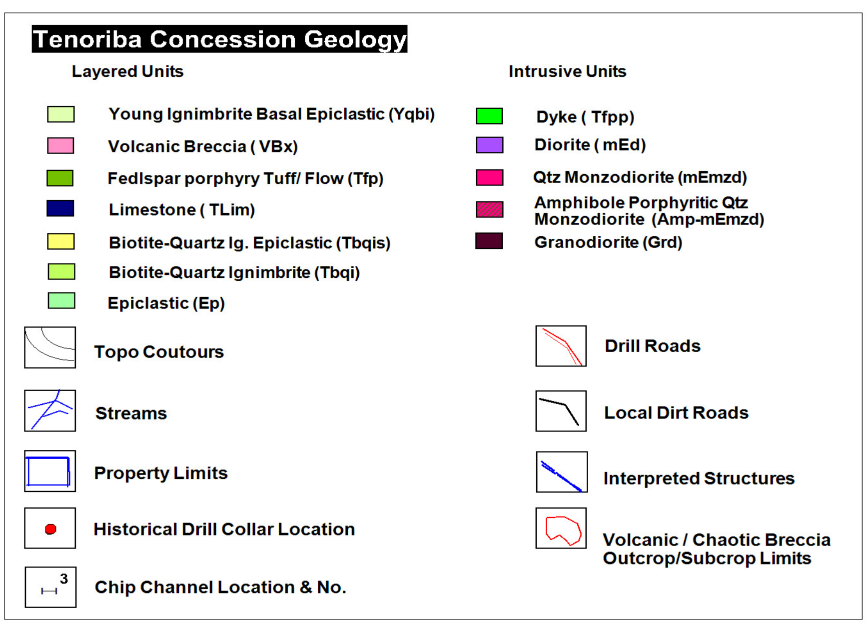
Channel chip sampling of outcropping rocks at the Los Carneritos area frequently returned anomalously elevated values in gold and silver. Of the 218 samples collected by Mamut geologists and assayed, 71% returned values in excess of 0.3 g/t gold equivalent (for the purposes of calculating gold equivalent Mamut has used a 50.0 g/t silver = 1.0 g/t gold conversion ratio) and the average weighted grade of these samples was 1.56 g/t gold equivalent. Numerous chip channel sample lines were performed in the Los Carneritos area, the best results are summarized in **Table 8 - Highlight Sample Assay Results, Los Carneritos Area**. Refer to **Figure 16 – Sample Location Map, > 0.3 g/t Gold Equivalent Channel Sample Results, Los Carneritos**, for sample locations. These channel sample lines were taken across observed structures and associated fracturing patterns. Numerous of these sample lines remain open beyond the widths sampled. As commented above, the best results are generally hosted by the volcanic breccia and the precious metal grades returned from these samples is observed to clearly increase with the degree of silica alteration and the presence of vuggy silica. To date, very little sampling was performed in the underlying strongly argillized tuff. Where sampled, precious metal values from this argillized tuff tended towards low anomalous grades of gold and silver, such as is illustrated in samples 330047, 330579 and samples 330489 to 330491 which returned values from 0.10 to 0.39 g/t gold and sample 330470 returned 32.7 g/t silver, respectively. These results and the presence of clay minerals (halloysite, Illite, kaolinite and dickite), which are commonly associated with HS epithermal systems, suggest that this unit could still host at depth a vuggy silica body below the chaotic, volcanic breccia. Such vuggy silica body at depth would most likely be associated to one or more feeder and/or late stage, enriched structures, or hosted by another porous strata bound unit such as the volcanic breccia.

Table 8 - Highlight Channel Sample Assay Results, Los Carneritos Area

LINE NUMBER	**SAMPLE NUMBER** (From – To)	**WIDTH** (m)	**AVERAGE GOLD GRADE** (g/t)	**AVERAGE SILVER GRADE** (g/t)	**AVERAGE GOLD EQUIVALENT GRADE** (g/t)
1	**330041-046**	**6.4**	**0.76**	**47.50**	**1.71**
2	**330152-155**	**4.8**	**0.52**	**35.80**	**1.23**
3	330169-170	2.0	1.11	9.40	1.30
4	**330177-181**	**7.0**	**1.79**	**5.10**	**1.84**
5	330186-188	4.2	3.44	33.90	4.12
6	330189-190	2.0	1.41	28.90	1.72
7	**330193-198**	**7.2**	**1.51**	**6.70**	**1.64**
8	330199 and 201	2.0	2.92	17.50	3.27
9	330224 and 330226	3.0	1.61	29.00	2.19
10	330404-405	3.0	0.63	2.85	0.68
11	330406-408	2.8	5.03	28.79	5.61
12	330410-411	2.0	0.41	15.65	0.72
13	330414-420	7.8	0.58	3.06	0.64
14	330427, 433 and 435	3.8	2.00	8.70	2.20

Figure 16 - Sample Location Map, > 0.3 g/t Gold Eq. Sample Results, Los Carneritos Area





7.3.2 El Moreno Target Area, Geology and Sample Results

In the El Moreno target area, rocks present on surface and in exposed underground artisanal workings were described by Masuparia geologists as "the second ignimbrite flare up" underlain by what they described as the "first ignimbrite flare up" unit which consist of altered epiclastic felsic quartz- biotite phyric volcanic rocks (Tbqis) and the same unit with a lesser amount of lithic fragments (Tbqi) plus volcanic breccias (Vbx). The units of the 'first ignimbrite flare up" are generally consist of highly argillized and weakly silicified, with localized increase in silica alteration. To the south of the El Moreno area this unit is intruded by the regional granitoid (quartz-monzodiorite to granodiorite composition). Here again the best assays results are associated with areas of enhanced silica alteration. The alteration is best exposed within the El Moreno artisanal mine workings and small exploration pits near these workings. The El Moreno artisanal mines are the largest mine workings on the property and have been sampled in detail (refer to **Table 9 - Highlight Channel Sample Assay Results, El Moreno Mine Workings**, **Figure 17 - Sample Location Map, > 0.3 g/t Gold Equivalent Sample Results, El Moreno Area** and **Picture 6 - El Moreno Main Artisanal Mine Working**.

To summarize the sampling on surface near the entrance of the main mine workings clearly identified a northwest striking, discreet mineralization control in addition of the southwest striking, steeply to moderately northwest dipping structure on which the mine workings were opened. Samples collected from this area were generally taken perpendicular to the dominant fracture-structural pattern and patchy exposures of vuggy silica, with the presence of dickite were frequently noticed in the mine workings. **Picture 7 - Typical Volcanic Breccias of El Moreno Area**, illustrates the geological features observed in and near these workings.

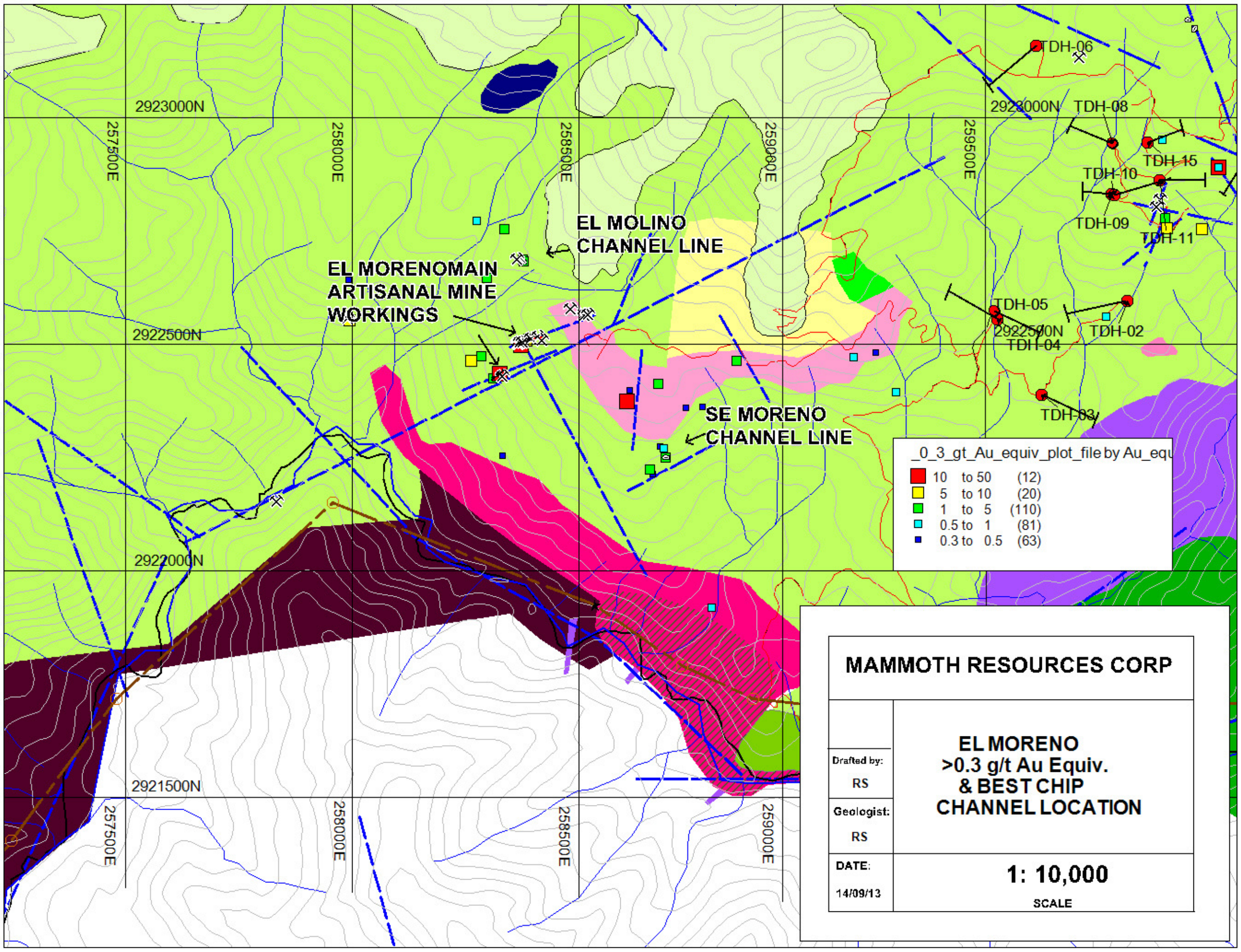
The best channel sample lines in the area outside of the, El Moreno artisanal mine workings are illustrated in **Table 9 - Highlight Channel Sample Assay Results, El Moreno Area**.

Table 9 - Highlight Channel Sample Assay Results, El Moreno Area

LINE NUMBER	SAMPLE NUMBER (From – To)	WIDTH (m)	AVERAGE GOLD GRADE (g/t)	AVERAGE SILVER GRADE (g/t)	AVERAGE GOLD EQUIVALENT GRADE (g/t)
Molino	330065-330072	10.0	0.50	17.89	0.86
SE Moreno	330106-330109	6.0	0.29	54.80	1.39

Picture 6 - El Moreno Main Artisanal Mine Working

Figure 17 - Sample Location Map, > 0.3 g/t Gold Eq. Sample Results, El Moreno Area



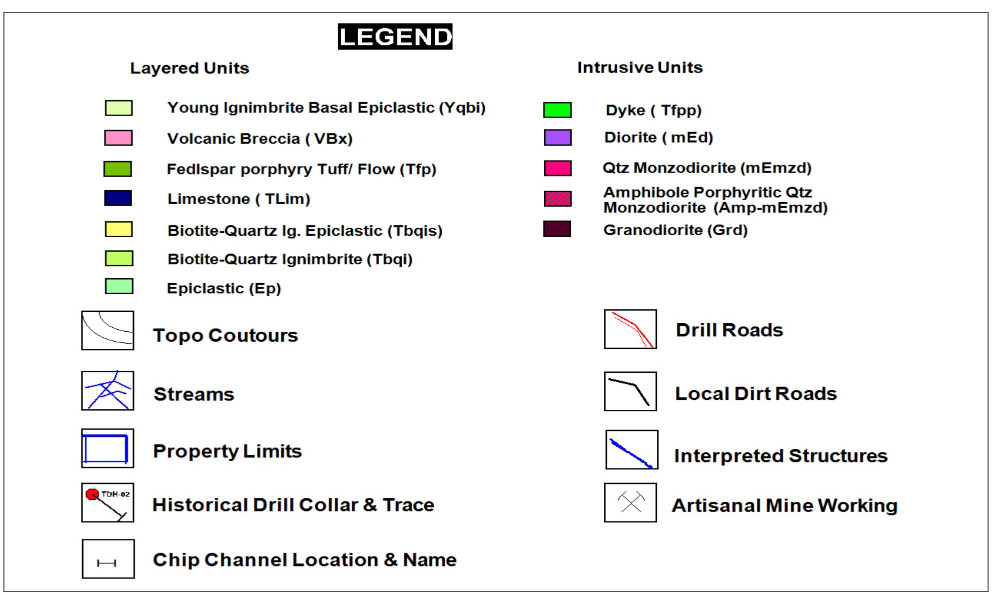
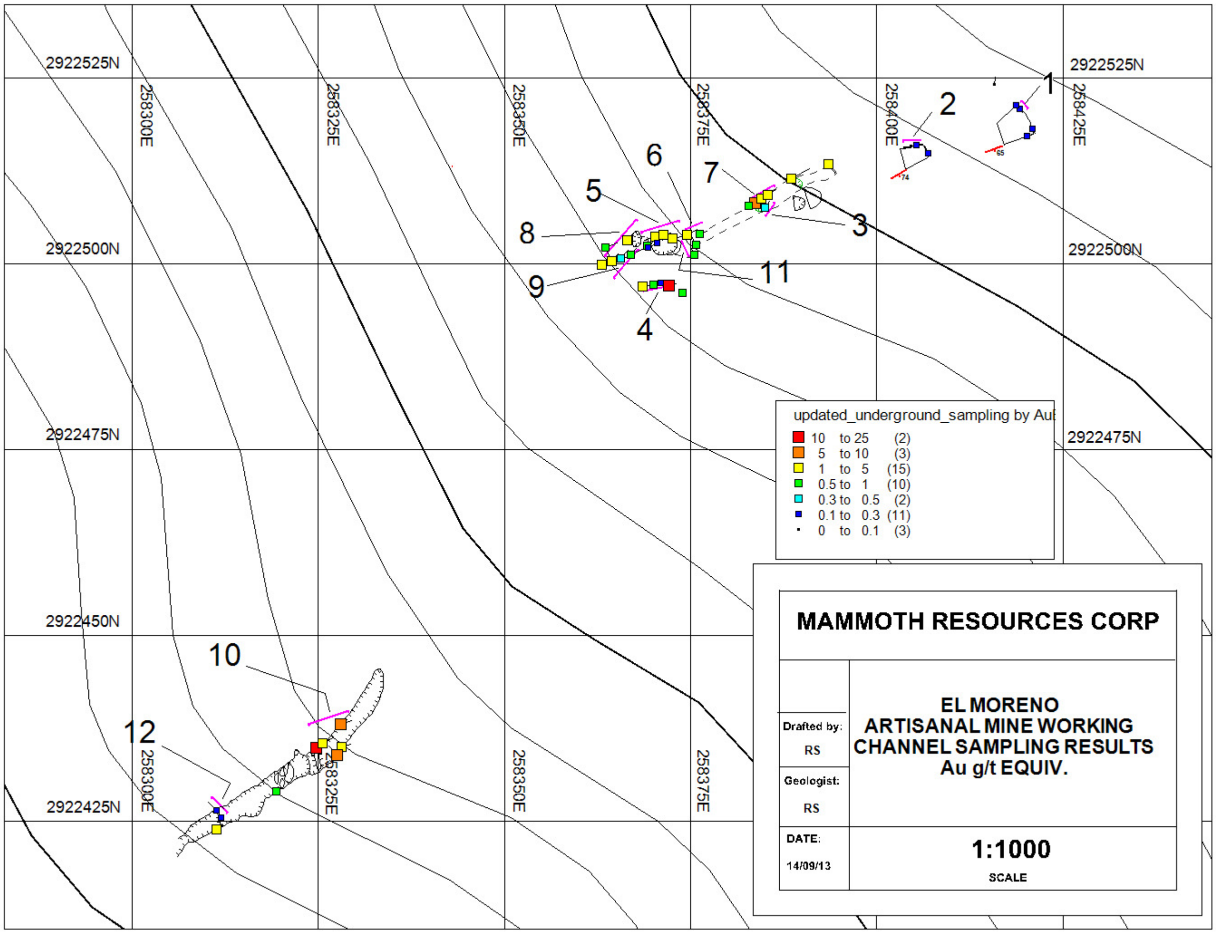
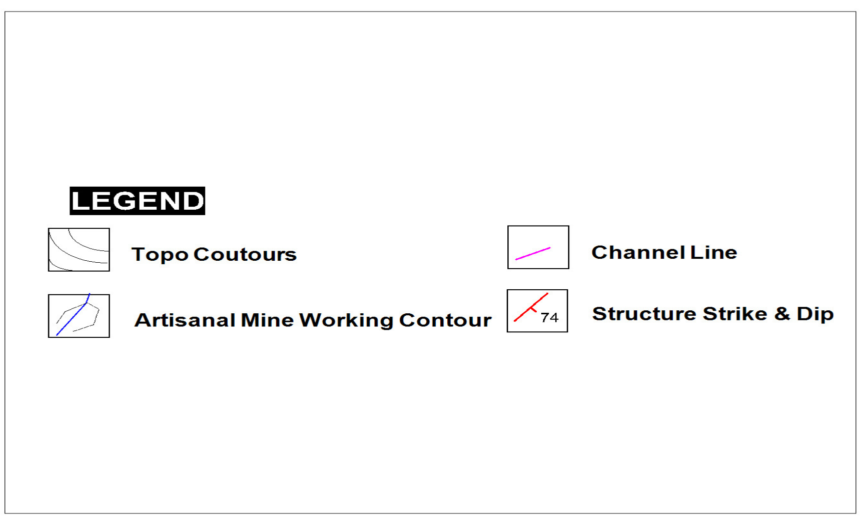


Figure 18 - Main El Moreno Mine Working Sample Results





The Molino sample line is from a small hand dug trench which was opened to extend a small exploration pit where locals had been successfully panning gold from dirt and highly argillized felsic volcanic.

The southeast Moreno channel sample line is from what appears to be poorly exposed, sub in-place blocks of highly silicified and fractured breccia with traces of pyrite and patchy vuggy silica texture. This sample line is located along a very steep slope below the volcanic breccias discussed below. It most likely represents a lower, porous, strata-bound possibly volcanic breccia which has been silica flooded and mineralized with gold and silver.

Picture 7 - Typical Volcanic Breccias of El Moreno Area

Sample 330019 assayed 0.46 g/t gold and 0.5 g/t silver over 1.5 metre chip channel sample width.

Table 10 - Highest Grade Gold Assay Results, El Moreno Main Mine Workings

LINE NUMBER	SAMPLE NUMBER (from – to)	WIDTH (metres)	AVERAGE GOLD GRADE (g/t)	AVERAGE SILVER GRADE (g/t)	SAMPLE DESCRIPTION
1	330356 – 357	1.30	0.08	1.64	Moderate silica, argillite & dickite.
2	330361 - 363	2.40	0.03	2.97	Moderate silica, argillite & dickite Minor patchy vuggy silica.
3	330364 - 365	2.00	0.46	2.75	Strong argillite, moderate silica plus minor dickite stringer.
4	330366 - 368	3.10	0.36	20.96	Moderate silica, argillite.
5	**330369 - 371 & 373**	**5.80**	**2.66**	**9.58**	**Completely flooded by silica, vuggy silica, 1-2 % pyrite and feldspar relics replaced by dickite.**
6	330374 - 376	2.50	0.55	14.58	Completely flooded by silica, vuggy silica, 1-2 % pyrite and feldspar relics replaced by dickite.
7	**330377 - 379**	**3.25**	**3.84**	**15.40**	**Completely flooded by silica, vuggy silica, 1-2 % pyrite and feldspar relics replaced by dickite, specularite hematite present.**
8	330381 - 387	10.15	0.73	6.49	Strong silica, minor dickite & opaline quartz stringers.
9	330381- 384	5.35	1.07	5.26	Strongly silicified , 3 % pyrite, dickite stringers.
10	**330390 – 393**	**5.20**	**7.14**	**12.50**	**Moderate silica & argillite, dickite stringers.**
11	330396 - 397	3.00	0.57	5.26	Strong argillite, weak silica, moderate hematite.
12	330402 - 403	2.50	0.18	0.30	Moderate silica & argillite, dickite stringers.

In the El Moreno target area, of the 142 samples collected by Mamut geologists and assayed, 42.3% have returned values greater than 0.3 g/t gold equivalent and the weighted average grade of these samples is 2.55 g/t gold equivalent. The anomalous samples are mainly from the artisanal mine workings and exploration pits and occasionally from highly silicified angular floats with frequent vuggy silica texture. In addition, a 20 to 30 metre thick altered volcanic breccias unit returned numerous anomalously mineralized samples (0.1 to below 0.5 g/t gold) associated with moderate silica alteration and/or the presence of dickite veinlets. This unit is similar to the chaotic breccias present at Los Carneritos area, although here the fragments are monolithic, none stratified and generally rounded to sub-rounded. The matrix of the breccias and fragments are of the same felsic composition as at Los Carneritos. The primary porosity of the breccia and presence of gold bearing structures (possible feeders of mineralized fluids from depth in the Moreno mine workings) and good alteration (presence of silica with dickite) makes this area a very attractive target for further exploration. In addition, it is the only target area where alunite (a strong indicator mineral of HS epithermal systems) was identified by XRD analysis in the ground mass and altered float (sample RS-25).

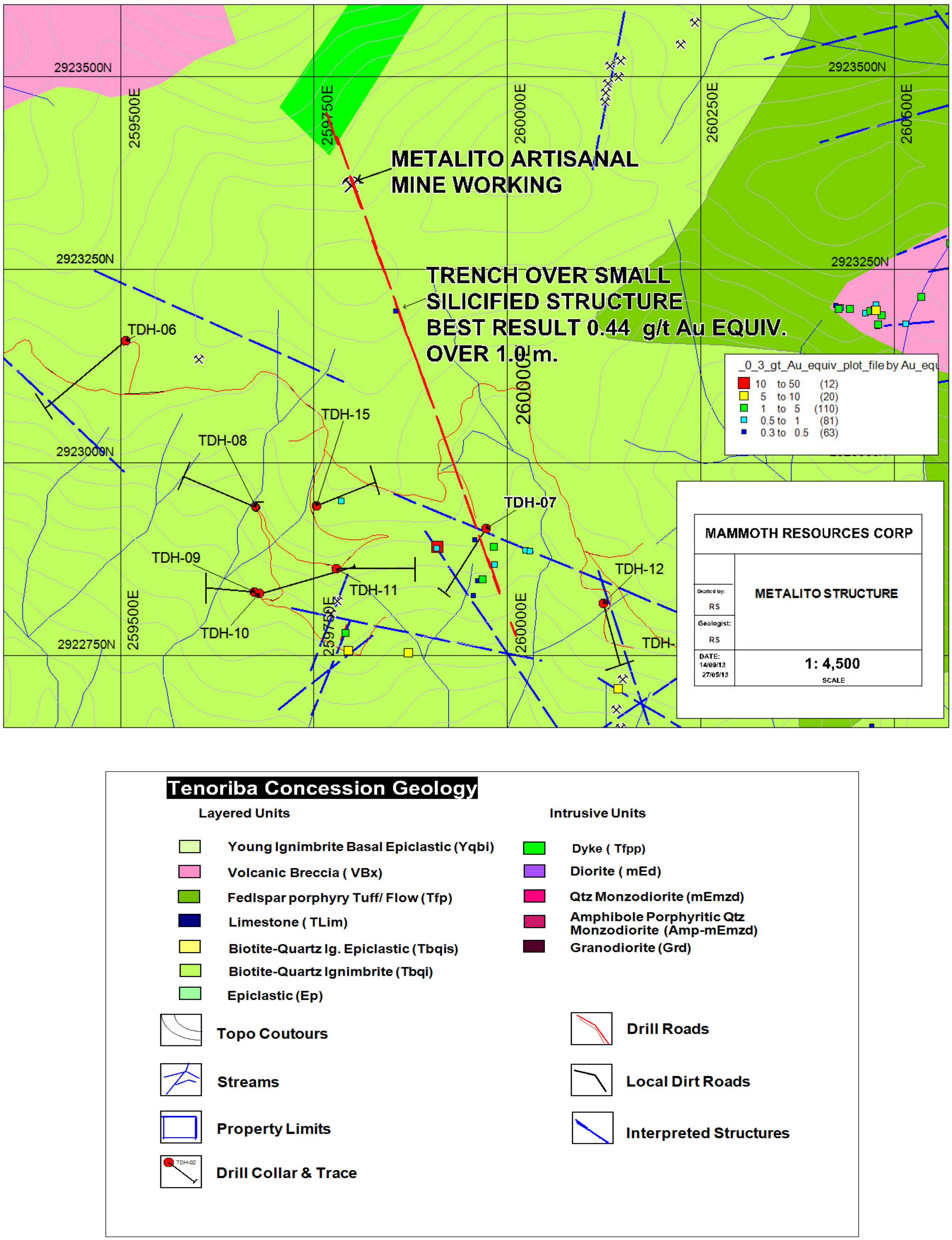
7.3.3 Masuparia Area, Geology and Sample Results

In the area previously drilled by Masuparia Gold Corp. in 2008, there exists a unit Masuparia described as the "first ignimbrite flare up" which consists of altered felsic, quartz-biotite, phyric volcanic (Tbqi) with minor lithic fragments. This unit is often highly argillized and weakly silicified with locally occurring increases in the silica alteration. The highest grade gold and silver surface samples from this area are always associated with the more intense silica alteration. The stronger the silica alteration, generally associated to small (less than 2.0 metre wide) northwest and northeast trending and steeply dipping structures exposed along small artisanal mines and exploration pits and trenches, the higher the gold values tend to be. As presently mapped, the strike extension of these structures appear to be limited to less than 75.0 metres in length. However, the lack of good stratigraphic markers in the area make it difficult to establish the full extent and direction of movement along these structures. Based on field observations, it is believed that most likely these structures are similar to what was observed at the Los Carneritos area, i.e. normal faults. Masuparia's drilling also appears to indicate some down dip extension to these structures.

Mamut geologists, in their initial compilation work, re-logged the diamond drill core and the data was entered into Gemcom software. Afterwards, the topography, drill traces, geology (units and mapped alteration types and locations) and gold assay values were plotted on a series of 10 east-west oriented paper drill sections (1:1,000) spaced at every 100 metres. Following this work, Mamut geologist found that it was impossible to correlate Masuparia's scattered drilling pattern and anomalous drill intercepts from section to section in an attempt to assess the continuity of the structures intersected by this drilling. In most cases, the anomalous precious metal core intercept could not be clearly correlated with the targeted anomalous surface samples (soil and/or rock sample results) nor could they be correlated with the interpreted extension of small structures or orientation of structures observed in artisanal mines. Only the high grade intersection in hole TDH-07 (45.9 g/t gold and 37.1 g/t silver over 1.9 m from 62.9 to 64.7 metres depth down the barrel) could be correlated with the Metalito structure and artisinal mine working (refer to **Figure 19 - Metalito Structure, Interpreted Surface Trace, Masuparia Area**). This northwest, sub-vertical trending silica flooded structure can be interpreted for a strike length of approximately 700 metres. Mamut geologists believe this structure most likely represents a high grade feeder or late enriched structure, both of which are commonly associated to shallow HS epithermal systems (refer to a paper written by *R.H. Sillitoe, 1999 - Styles of High Sulphidation Gold, Silver and Copper in Porphyry and Ephithermal Environments for more information on the characteristics of HS epithermal precious metal systems).*

To summarize, core intercepts of precious metal mineralization (gold and silver) as seen in **Table 4 - Masuparia Gold Corp., Significant Diamond Drill Hole Intercepts**, are for the most part associated to areas of moderate to weak silica alteration with minor disseminated pyrite and minor quartz, and/or kaolinite, and/or pyrite veinlets (pyrite veinlets of less than 2.0 centimetres in width). This general description of the mineralized core intercepts generally coincides with R.H. Sillitoe's 1999 description of underlying feeder stringer zones of shallow HS, epithermal mineralizing systems. The mineralized intervals are often, also highly fractured and hosted by a quartz-biotite unit (Tbqi) and could, in part, be enriched by supergene processes. At El Moreno, the precious metal mineralized rocks encountered by Mamut geologists tend not to exhibit high iron oxide staining and thus, most likely, any supergene precious metal enrichment would be minimal. This would seem to suggest a scenario whereby precious metal mineralization may be a result of proximity to a feeder system enriching the area in gold and silver, versus supergene enrichment.

Figure 19 - Metalito Structure, Interpreted Surface Trace, Masuparia Area



At the Masuparia exploration area, of 51 surface samples collected by Mamut geologists and assayed, 49% returned greater than 0.3 g/t gold equivalent. Many of these precious metal enriched samples are from angular to sub-angular blocks of highly silicified, or vuggy silica float (loose unconsolidated and broken rock lying on surface and persisting to depth), ranging from tens of centimetres to metres in size. Assay values for this material are provided in **Table 12 - Sample Results, Highly Silicified, Vuggy Silica Float Samples > 0.1 g/t Gold Equivalent**. The location of these samples is illustrated in **Figure 20 - Location Map, Highly Silicified, Vuggy Silica Float Grading >0.1 g/t Gold Equivalent**.

7.3.4 Cerro Colorado Area Geology and Sample Results

At Cerro Colorado, the “first ignimbrite flare up” unit consists of altered (argillized, with minor silica and dickite) quartz-biotite phyric with minor lithic fragments and strata bound (near flat lying) volcanic breccia units which are intruded by the regional granitoid (granodiorite). The breccias are present near the top of the Cerro (high hill-mountain), and the groundmass is generally highly hematized but little silicified. The breccia fragment are sub-angular to angular and generally feldspar phyric. Strong silica alteration and vuggy silica sub-crop and floats are present within the hematized breccias in an area approximately 50.0 square metres in size. Seven surface samples (330533 to 330541) from this area have returned highly attractive grades in excess of 1.0 g/t gold equivalent. Two channel lines from small hand dug trenches in this area also returned high anomalous results (refer to **Table 11 - Highest Grade Gold Assay Results, Cerro Colorado Channel Lines** and **Figure 20 - Sample Location Map, > 0.3 g/t Gold Eq. Sample Results, Cerro Colorado Area**).

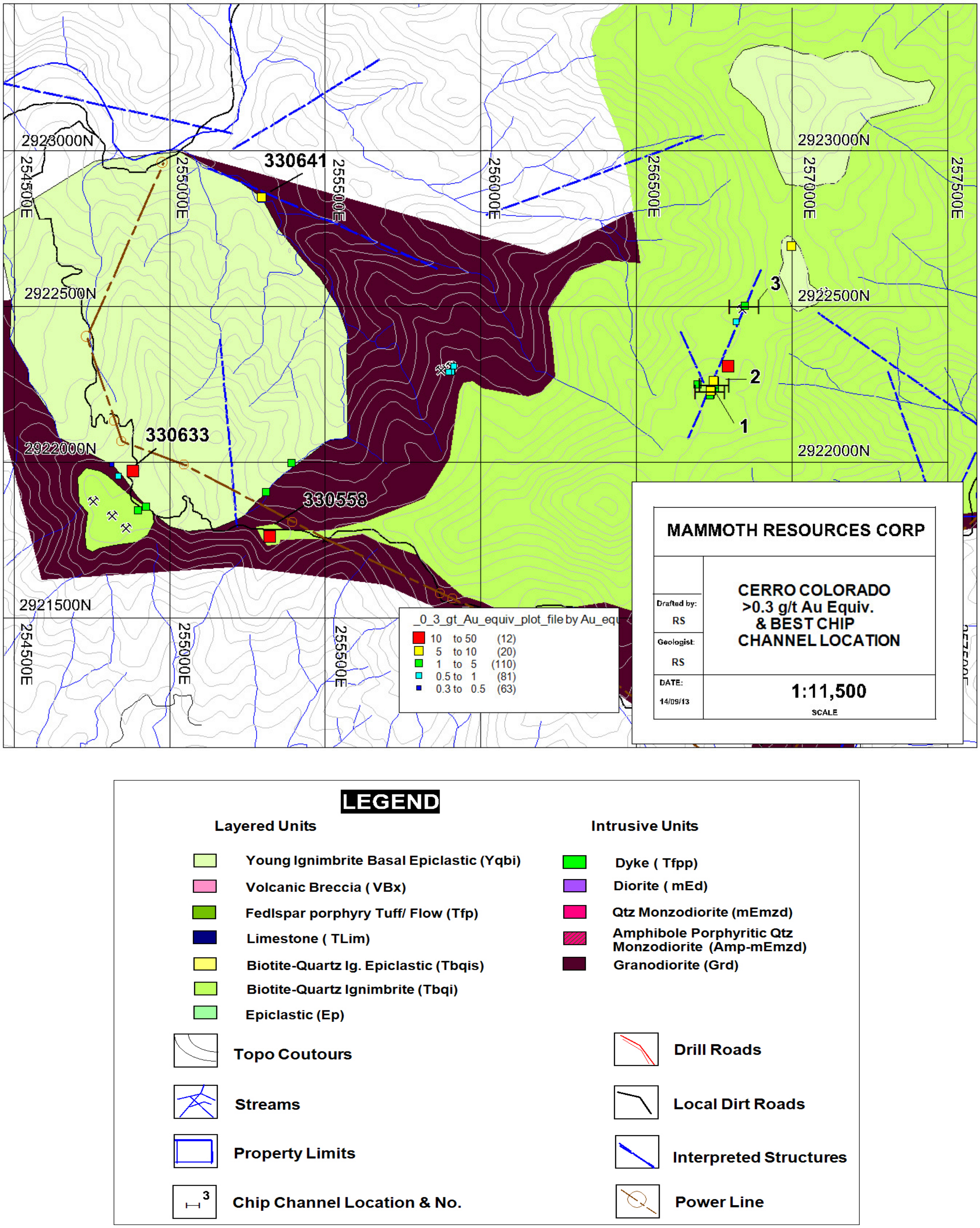
Sample line no.3 in table 10 is situated approximately 270 metres to the north of the two first lines and also sampled poorly exposed highly silicified patchy vuggy silica sub-crop. These strongly silicified breccia units are believed to be less than 10 metres thick and less affected by faults, thus more regular and near flat lying. Additional mapping is needed to confirm these preliminary observations. Of 87 samples collected by Mamut geologists in the Cerro Colorado area, 26.4% of these samples assayed in excess of 0.3 g/t gold equivalent.

Table 11 - Highest Grade Gold Assay Results, Cerro Colorado Channel Lines

LINE NUMBER	SAMPLE NUMBER (From – To)	WIDTH (m)	AVERAGE GOLD GRADE (g/t)	AVERAGE SILVER GRADE (g/t)	AVERAGE GOLD EQUIVALENT GRADE (g/t)
1	330624-330626	4.1	3.90	31.2	4.52
2	330627- 330630	6.0	1.46	14.6	1.75
3	330303-330305	3.5	0.50	32.3	1.14

Note: Line no. 3 is located approximately 270 metres north of lines 1 and 2.

Figure 20 - Sample Location Map, > 0.3 g/t Gold Eq. Sample Results, Cerro Colorado Area



Results: West of Cerro Colorado, sample 330641 returned 9.39 g/t gold and 16.7 g/t silver over 1.0 metres. This sample was taken from a tourmaline bearing brecciated granodiorite within the interpreted contact zone between the young volcanic units and the granodiorite. This type of mineralization is different from many of the characteristics observed on the property related to the epithermal HS mineralizing model. Alternatiely, in a HS model tourmaline is frequently reported has a distal sterile alteration form from the vuggy silica mineralized core. Either way Mamut geologists intend to further investigate this area in the near futures. Sample 330633 returned 7.0 g/t gold and 412 g/t silver from a large sub in-place highly silicified float-sub-crop located approximately 140 metres northwest of a series of small artisanal pits where local people have been reported to pan gold from dirt and highly argillised young felsic volcanic. This area also warrants further investigation.

7.3.5 Description of Additional Target Areas

To date, Arroyo Verde, La Verde, Rincon Colorado and La Quemada areas have received preliminary field visits however require additional work to clarify the geology, controls to mineralization and the potential of these areas as to their extent of precious metal mineralization. The characteristics of these areas as they are known as at the time of the writing of this report are summarized below.

Arroyo Verde Area

A small highly silicified ridge with patchy vuggy silica was identified to the northeast of the main priority targets on the property (refer to Figure 15 for Arroyo Verde location). Samples collected from the area did not return any significant gold nor silver values, the best result is 16 ppb gold. The sampling did return elevated values of arsenic, the highest being 1,925 ppm and 3,250 ppm from samples 330283 and 330284, respectively. Dickite was also identified in sample 330283. The high arsenic values and vuggy silica plus dickite south of Arroyo Verde are encouraging indications of a potentially strong epithermal system. North of Arroyo Verde, dickite, kaolinite and opaline silica were also identified by Mamut's sampling and XRD analysis occurring in strongly altered (argillic alteration with iron oxide), felsic volcanic breccias. These XRD and high arsenic assay results plus the presence of vuggy silica could well indicate that a HS precious metal mineralizing target is present in the Arroyo Verde prospect.

La Verde Area

Sample TEN-12 returned 2.82 g/t gold, 36.8 g/t silver and 1.29% copper, plus 3,570 ppm arsenic and 3,050 ppm antimony from La Verde small artisanal mine working. This sample and the rocks within the artisanal working is hosted by moderately argillised and iron oxide stained felsic volcanic rocks containing minor amounts of pyrite, chalcopyrite and the presence of green copper malachite - azurite staining. Unfortunately no clear extension of this mineralization was noticed in visits to the area by Mamut geologists. Nearby, along a small stream bed, weakly argillised and/or sericitized, silicified and pyritized (up to 10% pyrite by composition) intermediate composition volcanic rocks did return a few low gold values (generally greater than 0.1 g/t gold). This type of pyrite rich sericite-silica alteration assemblage has been observed throughout the property at the contact with the granitic composition regional batholith, although to date the assay results have always assayed low in precious metal values. Further work is needed to clarify the geology and understand the mineralization type and controls present in the La Verde prospect.

Rincon Colorado

In this area a near north-south trending iron oxide stained vertical cliff form a color anomaly on surface. Mamut geologists performed one short traverse across the area to try to understand what was controlling this color anomaly. The rock units encountered and sampled (11 samples were collected) include felsic quartz-biotite and feldspar phyric volcanics which are weakly to moderately argillized and silicified. Moderate to weak hematite is also common along fracture plains. Illite was identified in the XRD analysis of samples collected. Only one sample, sample number 330216, returned values greater than 0.1 g/t gold. Although the control of the iron oxide staining was not clearly explained, for the time being, given the lack of precious metal mineralization in the samples collected, no further work is intended.

La Quemada Polymetalic Veins

Two northeast striking, steeply dipping structures/veins less than 1.0 metre wide are exposed along small artisanal mines at this prospect, located south of the Tenoriba River (refer to Figure 15 for the prospect's location). The veins are hosted within fresh granodiorite rocks. These rocks have undergone weak silica, sericite and chlorite alteration, however this alteration generally does not extend more than two metres into the host rock from the borders with the structures-veins. The two structures-veins are sub-parallel and approximately 400 metres apart. The largest artisanal mine working is approximately 30 metres deep and is exposes the structure-veins 10 to a maximum 15 metres along strike. On surface no clear strike extension is visible. One selected sample of dump material analysed from the artisanal working from the La Quemada prospect (sample number 330471) returned extremely high precious and base metal values, including: 4.24 g/t Gold, 466.00 g/t silver, 0.33% copper, 5.37% lead and 19.00 zinc.

These pyrite, sphalerite, galena and chalcopyrite bearing quartz veins most likely represent the polymetalic root of a low suphidation epithermal system. For the time being, until more is understood about the higher priority targets on the property, La Quemada is a low priority target.

Vuggy Silica Sub-Angular - Angular Float

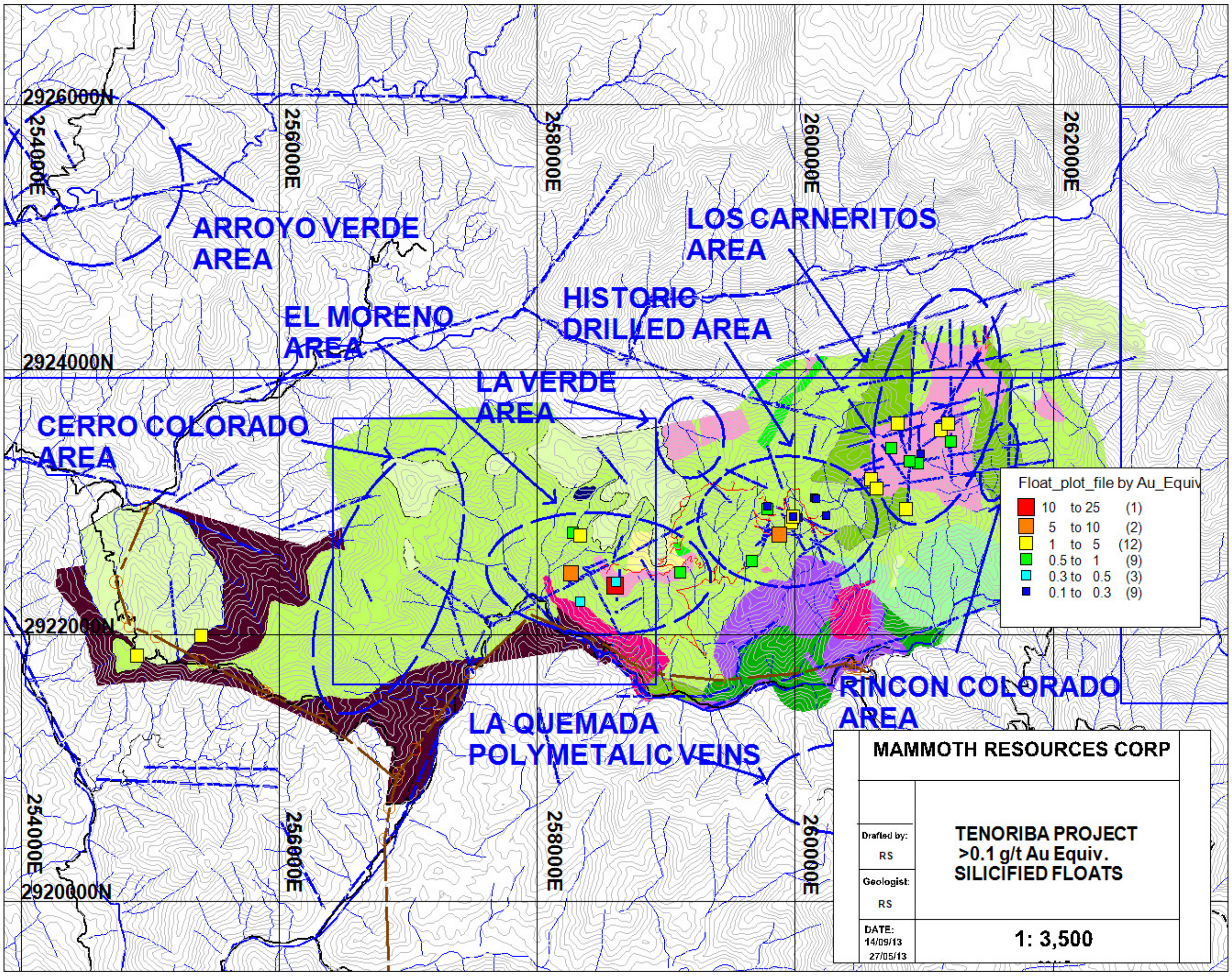
Throughout the property numerous sub-angular to angular highly silicified and vuggy silica, gold and silver bearing float (loose unconsolidated and broken rock lying on surface and persisting to depth) has been mapped and sampled. Mamut geologists have generally not excavated beyond 1.0 to 1.5 metres depth in these areas where this float material is located. Blocks of the vuggy silica in float range in size from tens of centimetres to metres. The best gold and silver assay results among the float material sampled is summarized in **Table 12 - Sample Results, Highly Silicified, Vuggy Silica Float Samples > 0.1 g/t Gold Equivalent**. The location of these samples is illustrated in **Figure 21 - Location Map, Highly Silicified, Vuggy Silica Float Grading >0.1 g/t Gold Equivalent**. As shown in Figure 20, areas of vuggy silica float are located at El Moreno, the area previously drilled by Masuparia and at Los Carneritos. These areas of vuggy silica float suggest that part of the vuggy silica mineralized body has been eroded in these areas. Also, the general angular shape of the float implies a nearby source to this vuggy silica float material.

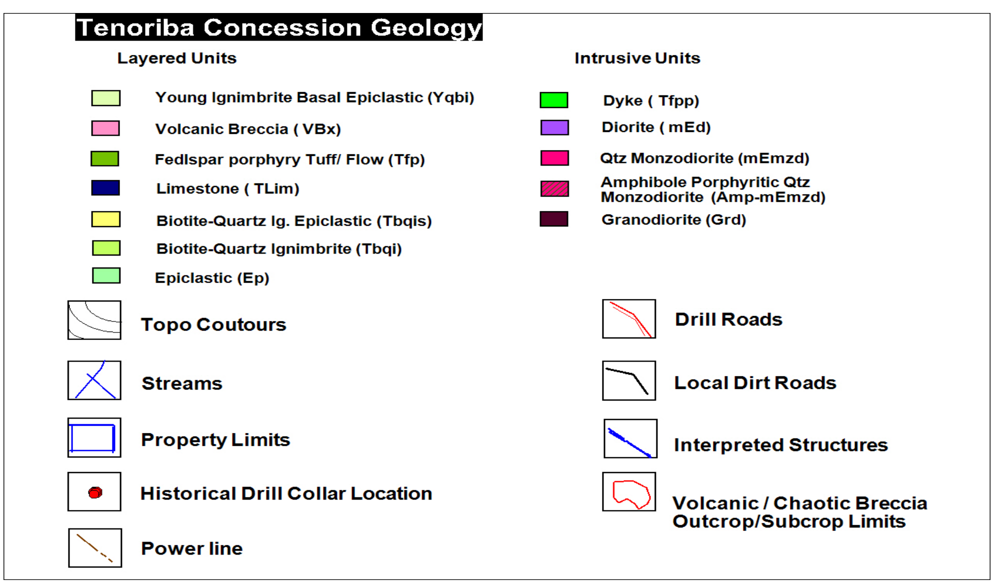
Table 12 - Sample Results, Highly Silicified, Vuggy Silica Float Samples > 0.1 g/t Gold Equivalent

Sample	Worksite	Gold Grade (g/t)	Silver Grade (g/t)	Gold Equivalent Grade (g/t)
330133	West of Moreno	0.047	5.9	0.165
330135	West of Moreno	0.070	28.9	0.648
330143	West of El Moreno	0.771	106.0	2.891
330561	West Cerro Colorado	0.141	77.6	1.693
330554	West Cerro Colorado	0.0025	100.0	2.002
TEN-10	TDH-15 Target Area	0.520	5.0	0.620
330151	South West Carneritos Trench	1.040	1.5	1.070
330215	South West Carneritos Trench	0.089	5.0	0.189
330434	South West Carneritos Trench	1.000	23.5	1.470
330616	South West Carneritos	2.240	15.3	2.546
330476	South West Carneritos	2.480	13.4	2.748
330482	South West Carneritos	3.030	51.7	4.064
330480	South West Carneritos	0.106	4.1	0.188
330167	South Trench Los Carneritos Area	0.854	15.2	1.158
330168	South Trench Los Carneritos Area	1.605	24.2	2.089
330221	Rincon Colorado Area	0.385	14.4	0.673
330264	Moreno Area	0.158	11.3	0.384
330261	Moreno Area	9.390	15.7	9.704
TEN-5	Historic Drill Area	0.463	5.9	0.581
330465	Southwest Los Carneritos	0.008	27.5	0.558
330008	Historic Drill Area	0.085	2.4	0.133

Sample	Worksite	Gold Grade (g/t)	Silver Grade (g/t)	Gold Equivalent Grade (g/t)
330005	Historic Drill Area	0.184	2.6	0.236
330017	Historic Drill Area	0.323	4.6	0.415
330018	Historic Drill Area	0.088	38.4	0.856
330016	Historic Drill Area	0.834	10.4	1.042
330011	Historic Drill Area	0.620	32.7	1.274
330015	Historic Drill Area	0.370	235.0	5.070
330012	Historic Drill Area	0.080	8.5	0.250
330026	Area East of the Moreno Mine	0.103	2.8	0.159
330027	Area East of the Moreno Mine	0.251	562.0	11.491
330112	East of El Moreno	0.025	22.6	0.477
330126	East of El Moreno	0.195	19.6	0.587
330080	East of Drill Area	0.573	11.9	0.811
330040	Los Carneritos	0.644	10.2	0.848
330074	30x100 m Area of Vuggy Silica Float	0.164	4.1	0.246
330073	30x100 m Area of Vuggy Silica Float	0.183	3.6	0.255

Figure 21 - Location Map, Highly Silicified, Vuggy Silica Float Grading >0.1 g/t Gold Eq.





8.0 Quality Assurance and Quality Control (QA/QC):

Almost one in every 25 rock samples assayed were either an assay standard, assay blank or duplicate analysed for quality assurance and quality control purposes. No thorough examination of this data has been performed however no major discrepancy appears in the results achieved through repeated anaysis.

8.1 Sample Duplicates.

The pairs of samples analysed (samples 330550 with 330549 and samples 330075 with 330076) show a very good correlation between the sample and it's duplicate (refer to **Table 13 - Sample Duplicates**). This points to good repeatability of sampling results and thus quality of analysis (similar samples producing similar results).

Table 13 - Sample Duplicates

Sample	TP1	Shipping	Lab Certificate	Assay Method	Gold (g/t)	Silver (g/t)	Copper (ppm)	Lead (ppm)	Zinc (ppm)
330550	DP	MATH-06	CH13076788	Au-AA24 & ME-ICP41M	0.008	1.3	83	39	2
330549	RO	MATH-06	CH13076788	Au-AA24 & ME-ICP41M	0.007	1.5	80	38	4
330075	DP	MATH-01	CH12260257	Au-AA24 & ME-ICP41M	0.0025	0.1	12	44	13
330076	RO	MATH-01	CH12260257	Au-AA24 & ME-ICP41M	0.0025	0.1	12	41	13

8.0 Sample Standards

The standards assay results are consistent with no major discrepancies noted. The assay results from these standards are summarized in **Table 14 - Sample Standards**.

Table 14 - Sample Standards

Sample	Standard and Grade Gold (g/t)	Shipping	Lab Certificate	Assay Method	Gold (g/t)
330150	OxC102 0.207 g/t gold	MATH-02	CH12293857	Au-AA23 & ME-ICP41M	0.197
330050	Standard SG 56, 1.027 g/t gold	MATH-01	CH12260257	Au-AA23 & ME-ICP41M	1.040
330200	Standard SG 56, 1.027 g/t gold	MATH-02	CH12293857	Au-AA23 & ME-ICP41M	1.010
330225	Standard OxC102, 0.207 g/t gold	MATH-02	CH12293857	Au-AA23 & ME-ICP41M	0.196
330325	Standard SG 56, 1.027 g/t gold	MATH-03	CH13017933	Au-AA23 & ME-ICP41M	0.991
330400	OxC102, 0.207 g/t gold	MATH-04	CH13043440	Au-AA23 & ME-ICP41M	0.186
330425	Standard SG 56, 1.027 g/t gold	MATH-04	CH13043440	Au-AA23 & ME-ICP41M	0.993
330525	Standard SG 56, 1.027 g/t gold	MATH-06	CH13076788	Au-AA24 & ME-ICP41M	1.010
330600	OxC102, 0.207 g/t gold	MATH-07	CH13099611	Au-AA24 & ME-ICP41M	0.201

8.3 Assay Blanks

No major discrepancy exists with the blank assay results (refer to **Table 15 - Assay Blanks**).

Only one sample assayed 11 ppb gold (0.011 g/t gold) versus all others samples which assayed 2.5 ppb gold (0.0025 g/t gold), which was below the detection limit. As a result we can say that the assaying process was within a very reasonable level of quality and consistency.

Table 15 - Assay Blanks

Sample Blank	Shipping	Lab Certificate	Assay Method	Gold (g/t)	Silver (g/t)	Copper (ppm)	Lead (ppm)	Zinc (ppm)
330025	MATH-01	CH12260257	Au-AA24 & ME-ICP41M	0.0025	0.1	22	9	37
330125	MATH-02	CH12293857	Au-AA24 & ME-ICP41M	0.0025	0.1	20	6	35
330175	MATH-02	CH12293857	Au-AA24 & ME-ICP41M	0.0025	0.1	36	21	56
330250	MATH-03	CH13017933	Au-AA24 & ME-ICP41M	0.0025	0.1	20	5	33
330300	MATH-03	CH13017933	Au-AA24 & ME-ICP41M	0.0025	0.1	20	6	35
330350	MATH-03	CH13017933	Au-AA24 & ME-ICP41M	0.0025	0.1	20	7	35
330375	MATH-04	CH13043440	Au-AA24 & ME-ICP41M	0.0025	0.1	22	5	36
330450	MATH-06	CH13076788	Au-AA24 & ME-ICP41M	0.0025	0.1	21	5	36
330575	MATH-06	CH13076788	Au-AA24 & ME-ICP41M	0.0025	0.1	23	6	37
330475	MATH-07	CH13099611	Au-AA24 & ME-ICP41M	**0.0110**	0.1	19	6	33
330642	MATH-07	CH13099611	Au-AA24 & ME-ICP41M	0.0025	0.1	22	6	37

9.0 Preliminary Metallurgical Test Work

9.1 Thin and Polished Section Observations

In January 2013, four samples from the Tenoriba project were sent to Dr. Efrén Pérez Segura in Hermosillo, Sonora state, Mexico for thin and polish section observations (**Table 16 - Thin and Polish Section Sample List**). Two samples were from surface and were sent to clarify the volcanic or intrusive nature of a quartz-feldspar phyric altered (silica-sericite alteration with pyrite) unit present along the Tenoriba River (samples 330298 and 330299). The other two samples were mineralized (gold and silver) core samples from Masuparia's 2008 drill program (samples 3655 and 5165).

Table 16 - Thin and Polish Section Sample List

SAMPLE NUMBER	AREA	TYPE	COMMENTS
330298	South of Moreno along Tenoriba River	Thin Section	Identify the intrusive or volcanic origin of the altered (silica, sericite and pyrite) quartz feldspar phyric unit.
330299	South of Moreno along Tenoriba River	Thin Section	Identify the intrusive or volcanic origin of the altered (silica, sericite and pyrite) quartz feldspar phyric unit.
3655 (drill hole TDH-07)	Core sample	Polish and Thin Section	From 63.25 to 63.32 metres down core depth where Assayed: 45.9 g/t gold and 37.1 g/t silver. Attempt to identify the sulfide-free mineral relationship of gold and silver in the sample.
5165 (drill hole THH-11)	Core sample	Polish and Thin Section	From 185.85 to 185.95 metres down core depth. Assayed: 6.94 g/t gold and 5.6 g/t silver. Attempt to identify the sulfide-free mineral relationship of gold and silver in the sample.

In the case of the first two samples, 330298 and 330299 the results were mixed as it was not possible to clearly identify the characteristics of the unit as regards its origin from the thin sections. After additional field work, this unit was mapped as being an altered felsic volcanic (tuff) at the contact with the granodiorite intrusive which is part of the regional granitoid batholith.

In the case of the second set of samples, samples 3655 and 5165 the work was performed to identify in which form the gold is present and its relationship to sulphide mineralization. Observations are summarized below.

- Visible gold was observed in sample 3655 (from drill hole TDH-07) in the heavy mineral concentrate (-100 and -65, +100 mesh).
- The gold occurs as free gold and associated to pyrite and in minor proportion with a transparent gang mineral.
- The gold characteristic suggests that it would be recoverable by cyanide leaching.
- The gold characteristics also suggest a high possibility of nugget effect in assay results.
- No gold was observed in the heavy mineral concentrate of sample 5165 (from drill hole TDH-11), although the samples assayed in the 5 to 7 g/t gold range. Two possibilities exist to explain this:

(a) an insufficient sample size; or (b) the gold is found as ultramicroscopic inclusion in pyrite of which appears most unlikely.

- In sample 3655 according to the polish section, the silver is found within the mineral tetrahedrite.

9.2 Cyanide Leach Bottle Roll Tests

During the period April through June 2013, preliminary metallurgical test work was performed on 23 selected core samples from the Masuparia 2008 diamond drill program. These samples were in good condition, having been stored in their original waxed cardboard core boxes in a sheltered indoor facility. Analysis was also performed on an additional five surface samples from the Los Carneritos target area.

Preliminary metallurgical test work was performed in two stages: (1) core was first quarter split and the surface sample rejects (from prior analysis) were sent to Inspectorate to be assayed in order to establish a head grade from these individual samples; and (2) 1,000 grams each of the 28 samples collected were crushed to finer than -200 mesh by Inspectorate's Hermosillo, Sonora state, Mexico sample preparation facility and sent to Inspectorate's Elko, Nevada, USA facilities for agitated leach testing following a 72 hrs cyanide leach (Inspectorate's "AuAg-1000-CN" test). The assay results summarized in **Table 17 - Inspectorate Assay Results of Drill Core Samples for Preliminary Metallurgical Testing** compares Masuparia's original ALS Chemex laboratory sample results with those of Inspectorate's analysis. **Table 18 - Inspectorate Assay Results of Surface Samples for Preliminary Metallurgical Testing** compare assay results following field sampling with Inspectorate assay results for head grade determination for agitated cyanide leach testing. The assay results between the two labs for the lower grade (< 0.5 g/t Gold) samples generally correlate well. In the case of the higher grade samples, the correlation is not as good. This is most likely caused by a nugget effect of free gold as suggested by Dr. Efren's previously discussed polish section work.

The agitated cyanide leach, or bottle roll test performed by Inspectorate laboratory included the following procedures:

- Sample preparation wherein up to 2 kilogram of sample is dried up to 24 hours, crushed with greater than 70% passing a -10 riffle split to -250 gram and pulverized to greater than 85% passing -200 mesh.
- Inspectorate's Au-IAT-AA gold assay analysis by fire assay with atomic absorption finish with limits to such analysis being from 0.005 - 10.000 g/t. For sample assaying above such limits, such samples follow a gravity finish.
- Inspectorate's Ag-AR-AA-TR silver assay analysis by aqua regia and atomic absorption with limits being from 0.1 - 200 g/t. For samples assaying above such limits, such samples follow a gravity finish.
- Inspectorate's AuAg-1000-CN analysis wherein a 1,000 gram sample ground to -200 mesh has ± 10% of such sample weighed to the nearest 0.1 gram and the weight is noted. The samples are transferred into an appropriate vessel. A cyanide solution is then added to the vessel, and the vessel is securely sealed. The vessel is loaded onto a "Bottle Roller" and "rolled" (mildly agitated) for 24 hours. Some solution is then decanted into a test tube, and centrifuged if necessary. The solution is analyzed for gold and silver employing an atomic absorption spectrometer. Results are uploaded and automatically calculated.

The results from the cyanide leach bottle roll tests were forwarded to Dr. Efren Perez of Sonora University, Hermosillo state, Mexico to review. His remarks are summarized below.

Remarks by Dr. Efren Perez on the Results of the Bottle Roll Tests:

- With a few exceptions, gold shows an excellent recovery in the oxide zone up to a depth of 60 vertical metres.
- The recovery in the oxide zone is generally greater than 90%. The most interesting is the speed of the recovery. The gold recovery is greater than 50% in 12 hours.
- In the primary sulphide zone (below 70 vertical metres) the recovery falls drastically and in most cases never reaches greater than 70% for gold in 72 hours. However, the recovery increases with time, thus the gold is being leached.
- The low recovery in the samples from the sulphide zone could be caused from a lack of grinding, since in Dr. Perez previous petrographic work, free gold was observed smaller than the -200 mesh sample size from samples originating from depths greater than 60 metres.

Table 17 - Inspectorate Assay Results of Drill Core Samples for Metallurgical Testing

				LEACH TEST HEAD GRADE - INSPECTORATE LAB			MASUPARIA SAMPLE No. and RESULTS			
Drill Hole	From (metres)	To (metres)	Interval (metres)	Bottle Roll Sample No	Gold Grade (g/t)	Silver Grade (g/t)	Sample Number	Est. Vertical Depth (metres)	Gold Grade (g/t)	Silver Grade (g/t)
TDH-07	61.00	62.80	1.80	335484	0.402	2.6	MM-3654	52.83	0.402	2.77
TDH-07	62.80	64.70	1.90	335485	56.434	40.6	MM-3655	54.39	45.900	37.10
TDH-07	120.50	122.70	2.20	335486	0.236	1.8	MM-3684	104.36	0.574	1.98
TDH-07	129.50	132.00	2.50	335487	4.549	7.3	MM-3690	112.15	9.210	15.85
TDH-09	120.40	122.00	1.60	335488	0.301	4.1	MM-3900	104.27	0.399	
TDH-11	30.00	31.40	1.40	335489	0.62	1.4	MM-5054	25.98	0.622	1.51
TDH-11	44.50	46.50	2.00	335490	0.981	3.7	MM-5065	38.54	1.955	7.28
TDH-11	117.70	118.40	0.70	335491	0.674	0.4	MM-5116	101.93	1.920	0.76
TDH-11	118.40	119.30	0.90	335492	4.99	0.8	MM-5117	102.54	6.710	1.32
TDH-11	143.50	144.40	0.90	335493	5.518	0.7	MM-5134	124.28	7.140	1.04
TDH-11	144.40	147.00	2.60	335494	0.421	0.2	MM-5135	125.05	0.329	0.19
TDH-11	161.00	162.50	1.50	335495	1.476	0.7	MM-5145	139.43	2.620	1.07
TDH-11	162.50	164.00	1.50	335496	0.338	0.4	MM-5147	140.73	0.433	0.90
TDH-12	55.80	57.80	2.00	335497	1.294	8.4	MM-5213	42.75	0.883	3.30
TDH-12	76.80	78.05	1.25	335498	0.281	1.2	MM-5224	58.83	0.314	1.38
TDH-12	81.80	83.80	2.00	335499	0.531	2.4	MM-5228	62.66	0.663	4.00
TDH-12	123.80	125.10	1.30	335500	0.41	1.3	MM-5250	94.84	0.890	1.61
TDH-13	31.00	33.20	2.20	335401	0.597	1.7	MM-5272	23.75	0.470	3.94
TDH-13	33.20	34.50	1.30	335402	0.418	3.1	MM-5273	25.43	0.874	1.84
TDH-13	119.00	121.00	2.00	335403	0.709	3.4	MM-5317	91.16	0.748	4.21
TDH-14	111.60	112.20	0.60	335404	1.816	1.1	MM-5391	101.14	1.720	1.13
TDH-14	114.00	116.00	2.00	335405	0.369	0.4	MM-5394	103.32	0.396	0.77
TDH-15	110.80	112.86	2.06	335406	1.132	2.8	MM-5460	95.96	2.770	6.29

Table 18 - Inspectorate Assay Results of Surface Samples for Preliminary Metallurgical Testing

			ASSAY GRADES – SURFACE SAMPLING PROGRAM			LEACH TEST HEAD GRADE – INSPECTORATE LAB		
Sample Number	Sample Type 1	Sample Type 2	Width (metres)	Gold (g/t)	Silver (g/t)	Sample Number	Gold (g/t)	Silver (g/t)
330196	RO	OC	1.0	1.167	5.9	2024	1.395	7.3
330199	RO	OC	1.0	1.858	14.4	2041	2.160	17.1
330203	RO	OC	0.6	1.018	55.6	1966	1.205	68.5
330343	RO	OC	1.0	4.993	10.1	2000	3.850	11.8
330432	RO	OC	1.3	2.561	14.7	1790	3.250	16.9

Sample Type 1 – RO = rock sample, Sample Type 2 – OC = outcrop sample.

Table 19 - Assay Results with Gold and Silver Recoveries from Bottle Roll Testing

Assayed Head Grade				Bottle Roll Test (Grade and Recovery)				
Drill Hole	Leach Test Sample Number	Gold (g/t)	Silver (g/t)	Sample Designation	Ag-1000-CN Silver (g/t)	Au-1000-CN Gold (g/t)	Silver (% recovery)	Gold (% Recovery)
TDH-13	335401	0.597	1.7	6 hrs	1.57	0.70	**92.4**	**117.3**
				12 hrs	1.59	0.66		
				24 hrs	1.61	0.72		
				48 hrs	1.67	0.74		
				72 hrs	1.64	0.65	**96.5**	**108.9**
TDH-13	335402	0.418	3.1	6 hrs	2.80	0.58	**90.3**	**138.8**
				12 hrs	2.72	0.47		
				24 hrs	2.75	0.57		
				48 hrs	2.80	0.43		
				72 hrs	2.87	0.58	**92.6**	**138.8**
TDH-13	335403	0.709	3.4	6 hrs	2.33	0.31	68.5	43.7
				12 hrs	2.32	0.35		
				24 hrs	2.37	0.30		
				48 hrs	2.35	0.32		
				72 hrs	2.29	0.29	67.4	40.9
TDH-14	335404	1.816	1.1	6 hrs	0.52	0.52	47.3	28.6
				12 hrs	0.57	0.52		
				24 hrs	0.66	0.58		
				48 hrs	0.67	0.71		
				72 hrs	0.70	0.76	63.6	41.9
TDH-14	335405	0.369	0.4	6 hrs	0.15	0.07	37.5	17.5
				12 hrs	0.14	0.16		
				24 hrs	0.16	0.20		
				48 hrs	0.18	0.16		
				72 hrs	0.18	0.23	45.0	62.3
TDH-15	335406	1.132	2.8	6 hrs	1.63	0.49	58.2	43.3
				12 hrs	1.75	0.48		
				24 hrs	1.88	0.59		
				48 hrs	1.90	0.72		
				72 hrs	1.92	0.67	68.6	59.2

Assayed Head Grade				Bottle Roll Test (Grade and Recovery)				
Drill Hole	Leach Test Sample Number	Gold (g/t)	Silver (g/t)	Sample Designation	Ag-1000-CN Silver (g/t)	Au-1000-CN Gold (g/t)	Silver (% recovery)	Gold (% Recovery)
TDH-07	335484	0.402	2.6	6 hrs	1.50	0.17	57.7	15.0
				12 hrs	1.51	0.22		
				24 hrs	1.55	0.18		
				48 hrs	1.66	0.15		
				72 hrs	1.68	0.19	64.6	47.3
TDH-07	335485	56.434	40.6	6 hrs	37.30	55.92	**91.9**	**99.1**
				12 hrs	44.36	66.74		
				24 hrs	47.01	68.26		
				48 hrs	47.50	70.10		
				72 hrs	47.51	70.01	**117.0**	**124.1**
TDH-07	335486	0.236	1.8	6 hrs	1.01	0.42	**56.1**	**178.0**
				12 hrs	1.05	0.32		
				24 hrs	1.18	0.35		
				48 hrs	1.13	0.29		
				72 hrs	1.21	0.22	**67.2**	**93.2**
TDH-07	335487	4.549	7.3	6 hrs	4.34	1.95	59.5	42.9
				12 hrs	4.49	2.15		
				24 hrs	4.85	2.43		
				48 hrs	5.20	2.91		
				72 hrs	5.47	3.04	74.9	66.8
TDH-09	335488	0.301	4.1	6 hrs	2.00	0.00	48.8	1.7
				12 hrs	2.05	0.03		
				24 hrs	2.22	0.16		
				48 hrs	2.28	0.10		
				72 hrs	2.36	0.13	57.6	43.2
TDH-11	335489	0.62	1.4	6 hrs	0.64	0.29	45.7	46.8
				12 hrs	0.65	0.34		
				24 hrs	0.70	0.29		
				48 hrs	0.72	0.36		
				72 hrs	0.76	0.45	**54.3**	**72.6**

Assayed Head Grade				Bottle Roll Test (Grade and Recovery)				
Drill Hole	**Leach Test Sample Number**	**Gold** (g/t)	**Silver** (g/t)	**Sample Designation**	**Ag-1000-CN Silver** (g/t)	**Au-1000-CN Gold** (g/t)	**Silver** (% recovery)	**Gold** (% Recovery)
TDH-11	335490	0.981	3.7	6 hrs	0.01	0.46	0.0	46.9
				12 hrs	0.01	0.31		
				24 hrs	0.01	0.37		
				48 hrs	0.01	0.40		
				72 hrs	0.01	0.43	0.0	43.8
TDH-11	335491	0.674	0.4	6 hrs	0.16	0.16	40.0	23.7
				12 hrs	0.18	0.23		
				24 hrs	0.19	0.33		
				48 hrs	0.20	0.32		
				72 hrs	0.22	0.31	55.0	46.0
TDH-11	335492	4.99	0.8	6 hrs	0.31	1.9	38.8	38.1
				12 hrs	0.32	1.97		
				24 hrs	0.35	2.34		
				48 hrs	0.38	2.77		
				72 hrs	0.39	2.99	**48.8**	**59.9**
TDH-11	335493	5.518	0.7	6 hrs	0.27	0.74	45.7	13.4
				12 hrs	0.32	1.12		
				24 hrs	0.37	1.37		
				48 hrs	0.38	1.96		
				72 hrs	0.41	2.36	58.6	42.8
TDH-11	335494	0.421	0.2	6 hrs	0.07	0.11	35.0	26.1
				12 hrs	0.08	0.17		
				24 hrs	0.09	0.14		
				48 hrs	0.11	0.21		
				72 hrs	0.11	0.32	**55.0**	**76.0**
TDH-11	335495	1.476	0.7	6 hrs	0.23	0.24	32.9	16.3
				12 hrs	0.27	0.34		
				24 hrs	0.30	0.36		
				48 hrs	0.33	0.62		
				72 hrs	0.39	0.73	55.7	49.5

Assayed Head Grade				Bottle Roll Test (Grade and Recovery)				
Drill Hole	Leach Test Sample Number	Gold (g/t)	Silver (g/t)	Sample Designation	Ag-1000-CN Silver (g/t)	Au-1000-CN Gold (g/t)	Silver (% recovery)	Gold (% Recovery)
TDH-11	335496	0.338	0.4	6 hrs	0.09	0.14	22.5	41.4
				12 hrs	0.12	0.11		
				24 hrs	0.15	0.10		
				48 hrs	0.13	0.10		
				72 hrs	0.15	0.08	37.5	23.7
TDH-12	335497	1.294	8.4	335497 6	5.44	0.92	**64.8**	**71.1**
				12 hrs	5.54	0.94		
				24 hrs	5.76	1.05		
				48 hrs	5.95	1.09		
				72 hrs	5.90	1.17	**70.2**	**90.4**
TDH-12	335498	0.281	1.2	6 hrs	0.51	0.13	42.5	46.3
				12 hrs	0.54	0.15		
				24 hrs	0.58	0.17		
				48 hrs	0.60	0.17		
				72 hrs	0.59	0.11	49.2	39.1
TDH-12	335499	0.531	2.4	6 hrs	1.81	0.22	75.4	41.4
				12 hrs	1.95	0.36		
				24 hrs	2.02	0.33		
				48 hrs	2.06	0.26		
				72 hrs	2.07	0.44	**86.3**	**82.9**
TDH-12	335500	0.41	1.3	6 hrs	0.86	0.10	66.2	24.4
				12 hrs	0.91	0.11		
				24 hrs	0.94	0.15		
				48 hrs	0.95	0.15		
				72 hrs	0.94	0.22	**72.3**	**53.7**
Surface	330196	1.167	5.9	6 hrs	5.68	1.12	**96.3**	**96.0**
				12 hrs	6.20	1.19		
				24 hrs	6.43	1.14		
				48 hrs	6.42	1.21		
				72 hrs	6.39	1.22	**108.3**	**104.5**

Assayed Head Grade				Bottle Roll Test (Grade and Recovery)				
Drill Hole	**Leach Test Sample Number**	**Gold** (g/t)	**Silver** (g/t)	**Sample Designation**	**Ag-1000-CN Silver** (g/t)	**Au-1000-CN Gold** (g/t)	**Silver** (% recovery)	**Gold** (% Recovery)
Surface	330199	1.858	14.4	6 hrs	14.47	2.07	**100.5**	**111.4**
				12 hrs	14.97	2.09		
				24 hrs	15.67	2.21		
				48 hrs	15.18	2.12		
				72 hrs	14.56	2.10	**101.1**	**113.0**
Surface	330203	1.018	55.6	6 hrs	51.00	1.00	**91.7**	**98.2**
				12 hrs	51.00	1.08		
				24 hrs	51.00	1.07		
				48 hrs	51.00	1.07		
				72 hrs	51.00	1.07	**91.7**	**105.1**
Surface	330343	4.993	10.1	330343 6	9.71	4.16	**96.1**	**83.3**
				12 hrs	10.55	5.78		
				24 hrs	10.69	6.00		
				48 hrs	11.15	6.00		
				72 hrs	11.05	6.02	**109.4**	**144.7**
Surface	330432	2.561	14.7	6 hrs	12.96	3.06	**88.2**	**119.5**
				12 hrs	14.15	3.18		
				24 hrs	14.41	3.25		
				48 hrs	14.69	3.19		
				72 hrs	14.76	3.15	**100.4**	**123.0**

Note: Where recoveries in Table 18 are shown to be greater than 100%, this occurs as a result of variability between assayed sample value and the actual contained gold in the sample undergoing the bottle roll test. The portion assayed, although from the same sample area, is a different actual portion of this sample and as a result the amount of gold therein contained in such sample can vary from the sample assayed.

10.0 Discussion and Recommendations

10.1 Discussion

The compilation of the geological information produced by Masuparia Gold Corp. from their exploration activities during 2007 and 2008, plus the geological information which has resulted from the work performed by Recursos Minera Mamut (a 100% owned Mexican subsidiary company of Mammoth Resources Corporation, TSX-V listed public company under the symbol MTH), has identified the presence of various elevated precious metal (gold and silver) mineralized areas hosted by highly altered felsic volcanic units (tuff and breccias). Mamut geologists believe that this precious metal mineralization, which occupies a large 15 square kilometres area on the Tenoriba property is related to a shallow high sulphidation precious metal mineralized epithermal system(s).

Specific target areas identified to date within this large 15 square kilometre precious metal mineralized area include, from west to east: ***Cerro Colorado, El Moreno, Masuparia area*** and ***Los Carneritos***. On the periphery of these priority areas and beyond the 15 square kilometre area of enriched precious metal mineralization, additional, lesser explored targets exist. These areas include: *Arroyo Verde, La Verde, Rincon Colorado* and the area of *La Quemada* where polymetallic enriched viens are noted. Although Mamut geologists have divided these areas into separate targets for ease of identification, there is nothing evidenced on surface, in the stratigraphy or lithologies in which these targets exist, that would suggest that these target areas are not connected at depth, having only been separated either by faulting or simply a lack of outcrop evidencing their relationship one to the other.

At the Tenoriba property, within the large 15 square kilometre, precious metal mineralization consists mainly of gold and silver. In addition to these elevated and ubiquitous occurrences of gold and silver there are a number of compelling characteristics to the rocks sampled in this area that support a high sulphidation epithermal precious metal model of gold and silver mineralization at Tenoriba. These characteristics (discussed below), commonly associated with high sulphidation epithermal precious metal systems, also occur in strong association with stratigraphic controls to mineralization. Mamut geologists believe that these associations are the most compelling evidence that the Tenoriba targets are part of a shallow elevation, high sulphidation epithermal mineralizing system. The shallow elevation interpretation of the precious metal mineralizing system observed on surface implies that feeder systems at depth, responsible for precious metal enrichment to this shallow system, could occur at depth, for it is expected that the gold and silver found in rocks on the surface could only have come from below.

Characteristics observed from the surface mapping and sampling that are common in high sulphidation systems (refer to **Table 19 – Geochemical Associations Common in High - Low Sulphidation Systems)**, include:

- An overall lack of copper and other base metals (zinc and lead), indicating a high elevation system.
- Samples that are enriched in gold and silver frequently assay elevated levels of mercury, antinomy and arsenic.
- The silver to gold ratio is low, tending towards approximately 12 to 16.
- Where samples assay enriched gold and silver values (greater than 1.0 g/t gold equivalent) these samples are associated with high tellurium and high tellurium over selenium ratios (Masuparia

compiled rock chip assay results which show this relationship), refer to **Table 5 - Masuparia Rock Chip Assay Results, Tellurium/Selenium Comparison**.

Table 20 - Geochemical Associations Common in High - Low Sulphidation Systems

	LOW SULFIDATION	HIGH SULFIDATION
ANOMALOUSLY HIGH	Au, Ag, As, Sb, Hg Zn, Pb, Se, K, Ag/Au	Au, Ag, As, Cu, Sb, Bi Hg, Te, Sn, Pb, Mo, Te/Se
ANOMALOUSLY LOW	Cu, Te/Se	K, Zn, Ag/Au

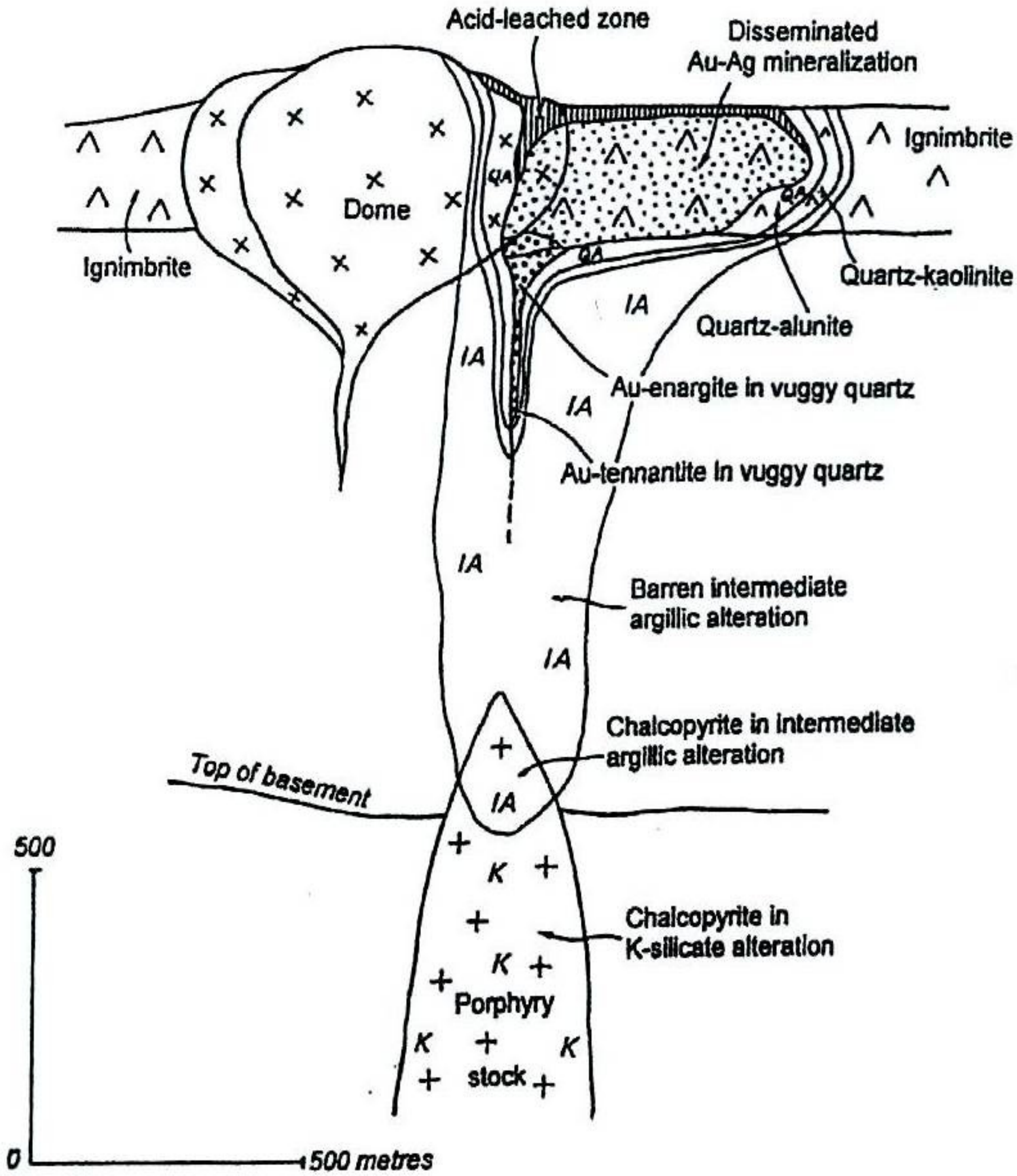
Note: Figure extracted from; SEG Newsletter, 1995, Noel C. White & Jeffrey W. Hedenquist.
Au - Gold; Ag - Silver; As - Arsenic; Sb - Antimony; Hg - Mercury; Cu - Copper; Zn - Zinc; Pb - Lead; Se - Selenium; K - Potassium; Te - Tellurium; Mo - Molybdenum.

In addition to the above mentioned geochemical relationships observed at Tenoriba and common in high sulphidation epithermal systems, precious metal mineralization in the 15 square kilometre area is closely associated with silica alteration and ubiquitous occurrences of vuggy silica texture. Clay minerals, including dickite, kaolinite, illite and halloysite are also strongly associated with precious metal mineralization in these areas, offering further support of the high sulphidation categorization of precious metal mineralization at Tenoriba.

At Los Carneritos, Cerro Colorado and Moreno target areas, volcanic breccia units are clearly the preferred host rock for mineralization. After stratigraphy and lithology, the most prominent structural influence on precious metal mineralization occurs along an east-northeast to almost east-west structural trend. Additionally, northeast, northwest and almost north striking and generally steeply dipping normal faults appear to be in strong association with precious metal mineralization. At Los Carneritos these preferred host stratigraphic units are greatly affected by the faults mentioned above and as a result it is common to observe the preferred host, volcanic breccia unit repeated numerous times, rotated and dismembered.

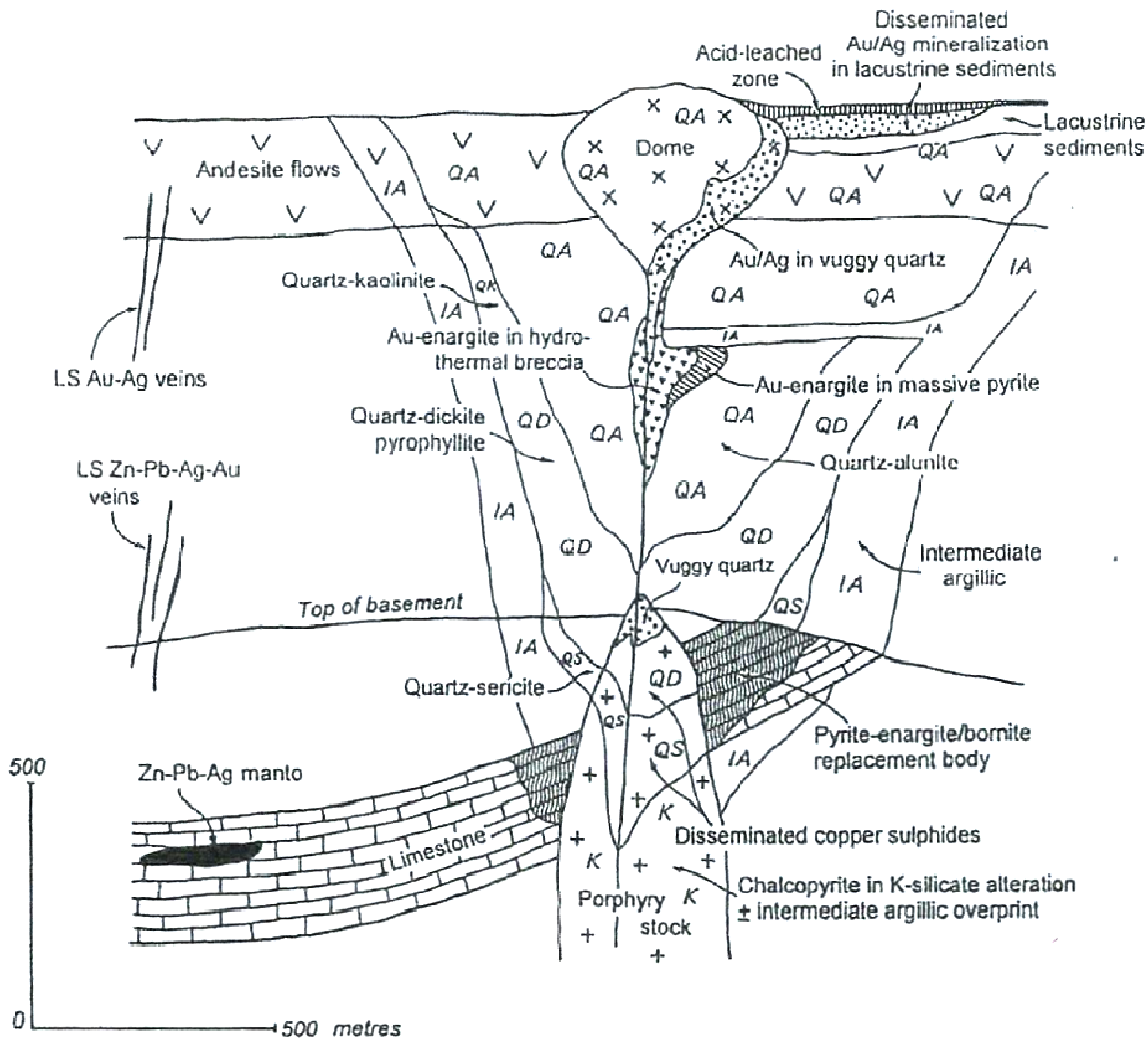
Figure 22 - Characteristics of Shallow Elevation, High Sulphidation Systems, and **Figure 23 – Epithermal, High Sulphidation Model** are extracted from *R.H. Sillitoe, 1999. Styles of High Sulphidation Gold, Silver and Copper in Porphyry and Epithermal Environments*. Sillitoe is a world renowned geoscientist recognized for his study, knowledge and classification of high and low sulphidation epithermal systems from around the world. As illustrated in these figures, the large 15 square kilometre area of enriched gold and silver surface mineralization at Tenoriba exhibits numerous characteristics of the high sulphidation, epithermal gold and silver mineralization model as identified by Sillitoe.

Figure 22 - Characteristics of Shallow Elevation, High Sulphidation Systems



· Schematic reconstruction of a dome-related HS system separated spatially from the underlying porphyry copper environment. Note the upward changes from copper to gold/silver and fault-controlled to disseminated mineralisation. The paleosurface is marked by acid-leached rock of steam-heated origin.

Figure 23 - Epithermal, High Sulphidation Model



Schematic reconstruction of a dome-related HS system telescoped over the upper parts of the underlying porphyry copper environment. Note the upward changes from copper sulphides to enargite, copper to gold/silver, sericitic to advanced argillic alteration and disseminated to fault-controlled and back to disseminated mineralisation. The paleosurface is characterised by acid-leached rock of steam-heated origin, and the margin of the system by LS zinc, lead and precious-metal mineralisation.

There is compelling evidence for classifying the large 15 square kilometre area within the Tenoriba property as a high sulphidation, epithermal system. The potential of this system to host a large precious metal deposit is compelling given the ubiquitous occurrences of gold and silver within this large surface area. Mamut geologists also investigated some of the metallurgical characteristics of these precious metal containing rocks. The objective in studying metallurgy was to gain some knowledge of the potential processes available for the extraction of these precious metals should the mineral resource be shown to contain a sufficient amount and concentration of precious metal to warrant their recovery and to help guide stages of future exploration, for example, if gold and silver appeared as free gold it likely would be amenable to cyanide heap leaching. Given the abundance of gold on the surface, it is logical to consider that it may be possible to mine the precious metals via an open pit which in combination with heap leach precious metal extraction and recovery, could have the potential for a low capital and operating cost type operation. Understanding this potential early in the exploration process could have implications for how to most efficiently explore the property and possibly develop precious metal resources (drill hole spacing, grade of potentially significant drill hole intersections).

As was noted in the Metallurgical section of this report, preliminary petrographic work on some select drill core intervals demonstrated the presence of free gold on the periphery of sulphide grains and within fractures in these sulphide grains, illustrating the 'free' nature of gold in these occurrences. The presence of free gold that is amenable to cyanide leaching was further illustrated as Mamut geologists conducted an in-depth sampling of various core intervals at a variety of depths and grades, plus various samples collected from surface. Agitated cyanide leach bottle roll tests of these samples resulted in high, often rapid (often in less than 12 hours), recoveries of precious metals (often greater than 90 percent recovery) to vertical depths of as much as 60 metres, with the occasional, high recoveries (generally below 70 percent) at greater depths and requiring greater time (up to 72 hours).

These results bode well for precious metal recovery in a cyanide leach-type setting such as a heap leach operation.

Recommendations

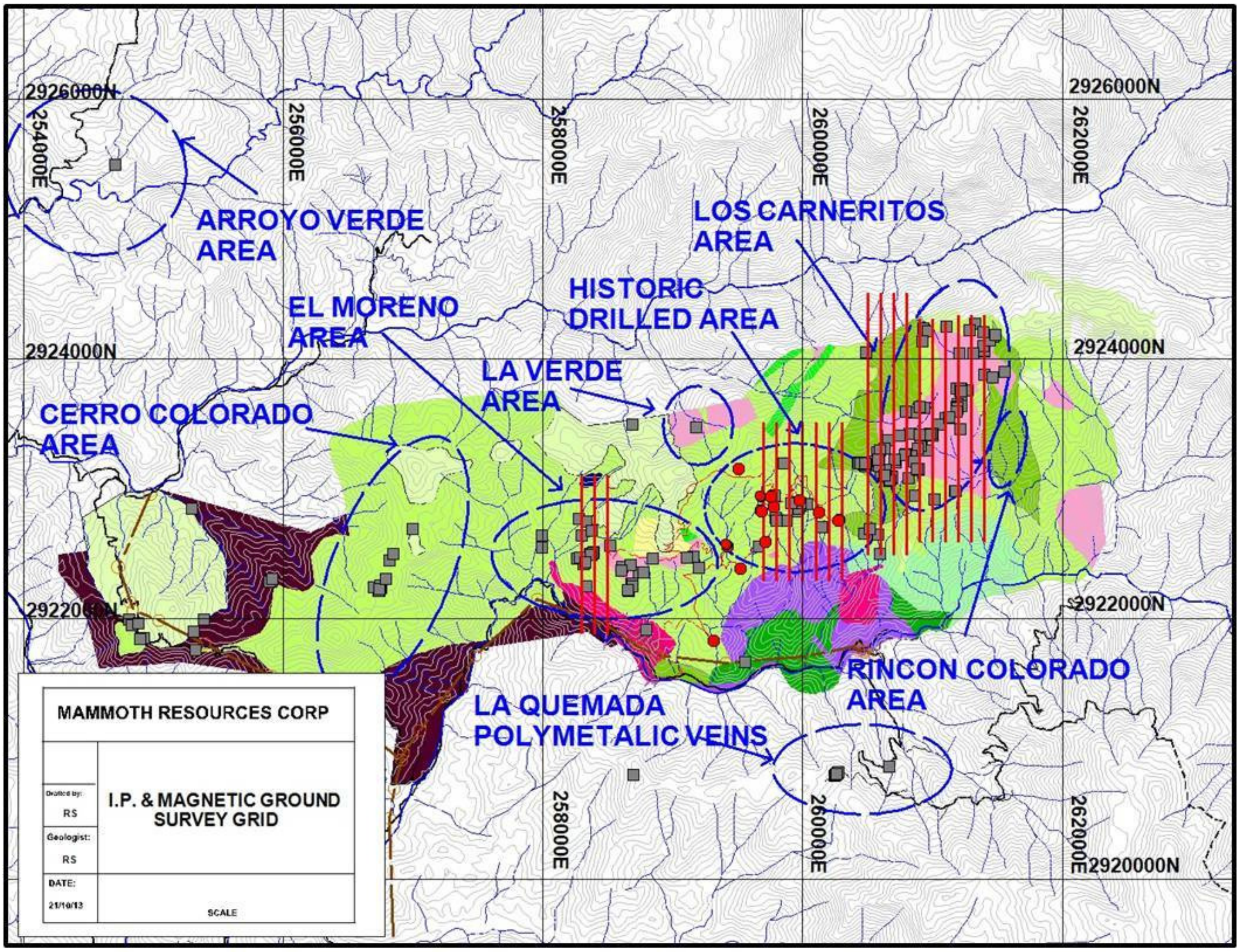
Recommendations for future work are listed below.

- Additional mapping of the four priority areas; Cerro Colorado, El Moreno, Masuparia area and Los Carneritos with particular attention on the structural controls in these areas with the objective of better understanding these structural controls and there possible association to precious metal mineralization. The cost of such work is estimated at approximately CDN$25,000.
- Perform a ground induced polarized (IP) and ground magnetic (mag) survey over the four priority target areas with the objective that the survey may assist in identifying structures and the possible roots (feeder systems) to enriched precious metal mineralization sampled on surface. In addition, the survey may assist in identifying extensions to Masuparia's precious metal enriched drill intercepts. Approximately 100 linear kilometres of geophysical lines spaced 100 metres apart, one from the other would be needed to cover the four priority target areas; Cerro Colorado, El Moreno, Masuparia area and Los Carneritos, plus the Arroyo Verde target. It is recommended that the survey be performed in two phases in order to test the application of geophysics as a tool to determine precious metal feeders and structures at depth. Phase one areas should be prioritized for this potential. The first phase (approximately 32 linear kilometres) being programmed will cover the core of Los Carneritos, the Masuparia area and portions of the El Moreno target areas (refer to **Figure 24 - Geophysical Survey Lines, Phase I Survey, Tenoriba Project**). As of the writing of this report, the first phase of this survey has been performed by Geofisica TMC of Mazatlan, Mexico. The cost of the 32 kilometre line kilometres of ground IP and mag, including mobilization and de-mobilization plus field support was approximately CDN$100,000. The company intends to post the results of this survey, complete results of which were not available as of the timing of the writing of this report, on its website once the report becomes available.
- At the Los Carneritos target area, five large outcrops (measuring as large as 80 square metres) highly silicified with patchy vuggy silica have returned values above 1.0 g/t gold up to 6.41 g/t gold and 34.0 g/t silver over 1.0 metre channel sample (sample number 330406) (refer to **Figure 25 - Large Gold and Silver Enriched Outcrops, Los Carneritos Area**, numbers 1 through 5 on the map). Further detailed mapping and sampling along a grid on 5 metres by 5 metres sample spacing is recommended to be performed. If sample results warrant (if average values over an area sufficient to meet material supply requirements), it is recommended that a composite of these samples be sent for bottle roll tests to determine leach time, recoveries, cyanide consumption and acidity among other measures. Based on these results, and should these results encourage heap leaching, it is recommended to perform cyanide leach column tests on this material to establish the most attractive conditions for heap leaching. Based on these results and the availability of material from these sample areas it is recommended that consideration be given to establishing a pilot plant heap leach operation to better test the characteristics of heap leaching recognizing the cost to revenue potential of such an exercise and the possibility that such a trial may result in a positive cash outcome as a result of this pilot plant test. The first phase of this recommended program began in November 2013 and was completed one month later. The company is awaiting assay results, not all of which were available as of the writing of this report. The cost of the field work and sample analysis for the first phase of this recommended program was approximately $10,000. The cost of the second phase of this work; the bottle roll testing, is estimated at CDN$15,000. The cost of the column test phase of this recommendation is estimated at approximately CDN$15,000.

- It is recommended that additional road access, especially towards Los Carneritos and Cerro Colorado target areas be constructed. This road access, in addition to simply facilitating access for people and equipment may also provide some additional cuts for exposure of rocks in the area for enhanced mapping. The cost of such work is estimated at approximately CDN$25,000 - $30,000.
- It is recommended, based on the results of the geophysics survey, to conduct a 2,000 to 3,000 metre first phase reverse circulation (RC) or diamond drill campaign to test targets indicated by this survey in conjunction with targets identified by the surface work described in this report. Prior to initiating any road building and drilling activities signed agreements with the local ejidos will be required as will various environmental permits. Mamut geologists have begun consultation with the representatives of the ejiodos in the area and are confident of the ability to attain the cooperation of these ejidos to conduct this work. Furthermore, the company will require approval from the state government Secretaría del Medio Ambiente y Recursos Naturales (SEMARNAT), the Secretariat of Environment and Natural Resources. As of the writing of this report, consultations had begun with various drill contractors regarding quoting on a program comprising approximately 15 drill holes totalling 2,500 metres, plus, or minus 500 metres. Consultations have also begun with various contractors to assist in the writing of the permit application to be presented to the Secretaría del Medio Ambiente y Recursos Naturales (SEMARNAT), the Secretariat of Environment and Natural Resources for approval to drill. The drafting and submission of this report is estimated to cost CDN$5,000 to 8,000. A 2,000 to 3,000 metre RC program, including mobilization and de-mobilization, plus all field support and sample analysis is estimated at this time to cost approximately CDN$260,000 to $300,000.

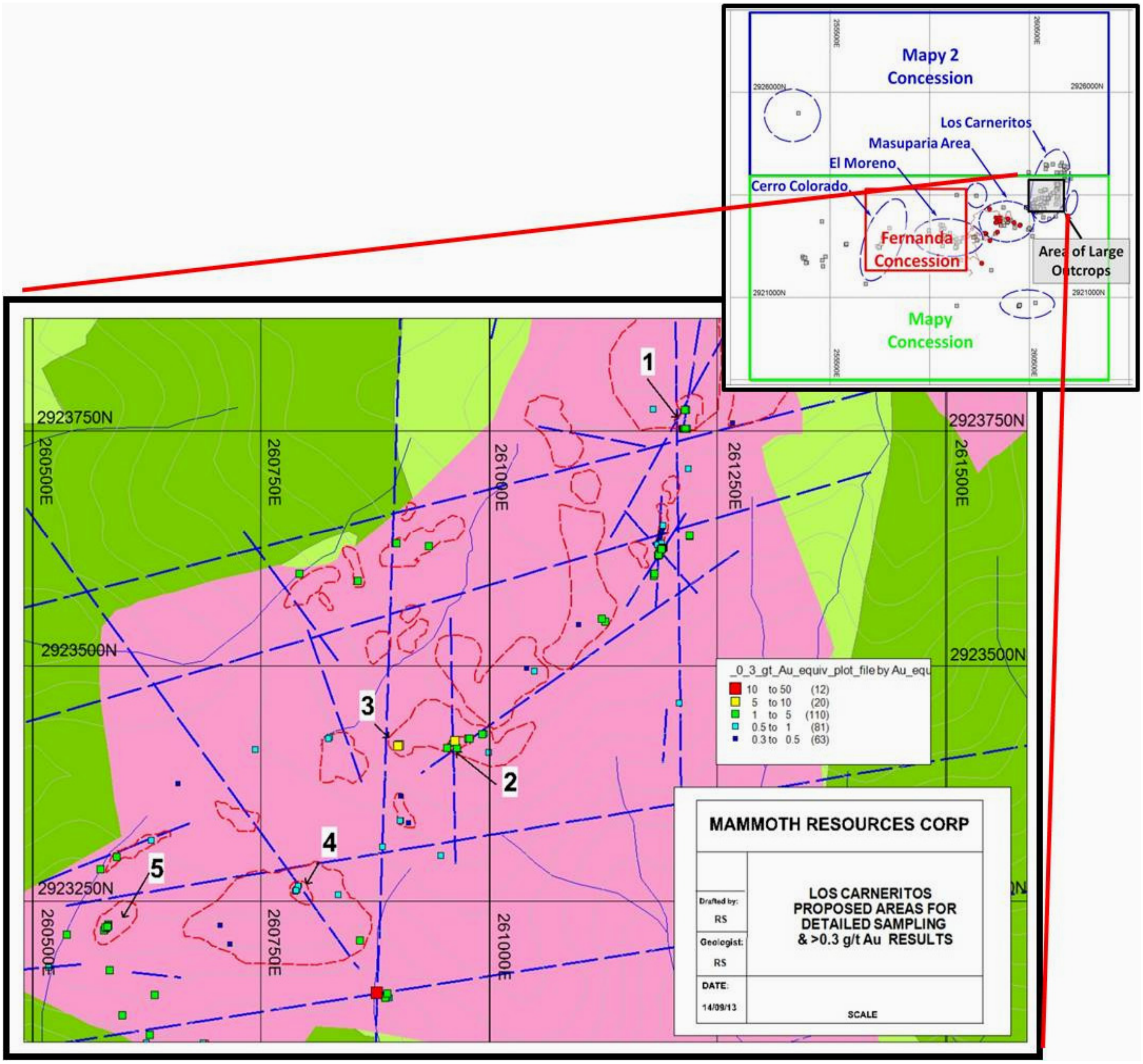
Of the costs estimated to perform the recommendations of this report, totalling: **CDN$455,000 to $503,000, CDN$110,000** has already been spent on the geophysics survey and the first phase of the Carneritos outcrop/pilot heap leach sampling. A balance of **$345,000 to $393,000** would be required to be spent to complete the recommendations of this report. These amounts do not include corporate overhead costs during the execution of these recommendations. This work, assuming no significant delays due to permitting, could be performed within a six month time frame. Ideally the company would like to perform this work prior to the commencement of the rainy season in the Sierra Madre which tends to become problematic due to the periods and quantity of rain in mid to late July.

Figure 24 - Geophysical Survey Lines, Phase 1 Survey, Tenoriba Project



Proposed Phase 1 geophysics survey lines are illustrated in red on the map (red dots – Masuparia drill collars, grey squares – sample locations, samples greater than 0.3 g/t gold equivalent).

Figure 25 - Large Gold and Silver Enriched Outcrops, Los Carneritos Area



Large outcrop locations, numbers 1 through 5 located within the Los Carneritos target area.

STATEMENT OF QUALIFICATIONS AND CONSENT,
CERTIFICATE OF AUTHOR,
STATEMENT OF QUALIFICATIONS:

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I, Richard Simpson, hereby certify:

1. That I am a Certified Professional Geologist, registration number: 907 with l' Òrdre des Geologues du Quebec (OGQ).

2. That I graduated with a B.Sc. degree in Geosciences in 1990 from the Universite de Montreal, Quebec, Canada.

3. That I have accrued nearly 25 years of experience in exploration, evaluation and research of mineral deposits in North and South America. Relevant experience includes investigation, evaluation, and exploration of multiple types of mineral systems throughout Mexico since 1995.

4. That I have personally supervised and conducted the mineral exploration program on the Tenoriba property of Recursos Minera Mamut, S.A., C.V., a Mexican company owned 100 percent by Mammoth Resources Corp. of Canada.

5. That I am the author of the Technical Report titled: "*Field Status Report and Recommendations for Future Work, Tenoriba Project, Chihuahua State, Mexico*", dated January, 2014, and I am responsible for its content.

6. That I have read the definition of "Qualified Person" as set out in National Instrument 43-l0l (NI 43-101) and certify that by reason of my education, affiliation with a professional association (as defined by NI 43-101) and past relevant work experience, I fulfil these requirements to be a "Qualified Person" for the purposes of NI 43-101.

7. That I am acting as a Qualified Person, and as the Vice President Exploration for Mammoth Resources Corp., thus **I am not an independent technical advisor** for the purposes of Ni 43-101.

8. As of the date of this certificate, to the best of my knowledge, information and belief the technical report contains all such scientific and technical information that is required to be disclosed to make this technical report complete, accurate and not misleading. I am not aware of any material fact or material change with respect to the subject matter of the technical report which is not reflected in the technical report.

Annex A - Mammoth Resources Corp. - Tenoriba Rock Sampling Data Bank

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330001	1.50	chip	0.007	0.10	113	7	27	6	1	1	10
330002	0.40	chip	23.600	62.10	2890	27	25	504	7	129	52
330003	0.60	chip	3.740	12.30	2840	46	11	154	1	38	31
330004	1.00	chip	0.707	2.80	2920	17	12	115	1	57	25
330005	1.00	chip	0.184	2.60	59	2	7	22	1	1	17
330006	0.00	grab	8.360	18.40	6130	24	12	645	7	385	341
330007	0.70	chip	0.581	8.60	675	71	11	539	3	33	45
330008	0.00	grab	0.085	2.40	36	2	12	12	1	2	6
330009	1.00	chip	0.233	2.10	418	76	67	82	1	32	56
330010	1.60	chip	0.439	3.80	1245	154	75	1015	3	44	67
330011	0.00	grab	0.620	32.70	19	3	4	19	5	1	11
330012	0.00	grab	0.080	8.50	38	6	3	60	1	4	15
330013	0.00	grab	1.285	10.90	1720	23	12	130	6	28	84
330014	0.00	grab	6.170	7.80	2690	16	20	216	5	83	127
330015	0.00	grab	0.370	235.00	102	155	60	19	7	1	21
330016	0.00	grab	0.834	10.40	31	2	9	24	2	1	27
330017	0.00	grab	0.323	4.60	22	1	3	5	1	1	5
330018	0.00	grab	0.088	38.40	180	42	141	54	3	5	45
330019	1.50	chip	0.462	0.50	19	104	2	41	1	24	16
330020	1.00	chip	0.016	51.30	83	28	13	297	29	1	127
330021	1.00	chip	0.267	5.10	548	160	2	748	6	2	358
330022	1.00	chip	0.021	0.60	33	29	18	111	1	4	10
330023	1.00	chip	0.028	1.40	22	16	5	125	1	5	7
330024	1.00	chip	0.251	5.60	644	114	1	1180	2	3	75
330025			0.003	0.10	2	22	37	9	1	1	3
330026	0.00	grab	0.103	2.80	34	5	2	25	1	2	6
330027	0.00	grab	0.251	562.00	165	84	12	184	29	3	197
330028	0.00	dump	4.330	2.70	1265	286	16	534	16	95	1195
330029	0.50	chip	0.068	1.20	65	52	2	64	1	1	36
330030	1.00	chip	0.153	32.10	5680	111	3	248	27	2	1950
330031	1.50	chip	0.249	2.20	412	107	61	414	1	37	34
330032	1.00	chip	0.049	8.70	37	8	17	578	1	3	6
330033	1.50	chip	0.141	3.30	69	102	154	167	1	6	18
330034	1.50	chip	0.065	1.10	433	31	314	76	1	1	11
330035	1.00	chip	0.040	0.90	26	37	312	113	1	1	15
330036	1.00	chip	0.051	2.30	32	25	117	134	1	1	6
330037	1.00	chip	0.101	3.20	36	20	28	276	1	10	18
330038	0.00	grab	0.015	1.80	15	17	9	103	1	7	7
330039	0.00	grab	0.278	2.30	229	6	5	264	1	1	11
330040	0.00	grab	0.644	10.20	122	46	5	106	2	3	36
330041	1.00	chip	0.645	36.20	114	24	5	83	2	2	24
330042	1.00	chip	0.803	38.40	98	20	5	46	2	2	19
330043	0.40	chip	1.050	42.90	143	43	8	54	2	3	33
330044	1.00	chip	1.160	39.70	221	46	11	72	3	2	40

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330045	1.50	chip	0.528	51.90	181	41	8	64	2	3	35
330046	1.50	chip	0.701	63.00	264	39	10	81	3	3	30
330047	1.50	chip	0.391	1.80	543	42	13	437	1	1	36
330048	1.50	chip	0.616	1.60	468	15	14	131	1	1	27
330049	1.50	chip	0.457	2.40	785	29	18	256	2	3	33
330050		chip	1.040	0.90	65	203	60	29	1	1	2
330051	1.70	chip	0.406	16.40	973	57	77	117	2	5	34
330052	1.50	chip	0.061	0.10	438	6	41	23	1	5	6
330053	1.50	chip	0.038	0.10	351	6	50	15	1	2	6
330054	1.00	chip	0.421	0.40	278	3	12	112	1	5	6
330055	1.40	chip	0.072	1.10	29	2	14	101	1	4	7
330056	1.00	chip	0.134	0.30	92	5	11	305	1	7	3
330057	1.30	chip	0.110	0.40	271	9	40	125	1	5	8
330058	1.50	chip	0.009	0.20	119	21	77	14	1	4	5
330059	1.50	chip	0.214	31.70	55	17650	793	184	1	2	4
330060	0.00	grab	0.007	0.30	35	3080	336	13	1	1	4
330061	1.00	chip	0.003	0.10	14	396	256	11	1	1	3
330062	1.50	chip	0.006	0.10	13	198	64	10	1	1	1
330063	1.50	chip	0.021	0.10	75	46	3	46	1	24	17
330064	1.50	chip	0.020	0.10	109	59	4	61	1	35	67
330065	1.50	chip	0.036	0.10	320	56	1	478	1	33	175
330066	1.00	chip	0.167	0.90	491	93	2	337	1	24	358
330067	0.50	chip	0.120	0.20	286	116	1	113	1	29	57
330068	1.50	chip	1.040	30.00	9520	146	1	368	37	9	3890
330069	1.50	chip	0.302	17.30	4550	87	1	387	14	9	1010
330070	1.50	chip	0.047	0.40	399	27	1	164	2	14	70
330071	1.50	chip	1.670	68.20	10001	271	1	316	45	10	3630
330072	1.00	chip	0.109	3.90	736	217	1	92	3	31	274
330073	0.00	grab	0.183	3.60	57	16	7	37	1	1	14
330074	0.00	grab	0.164	4.10	171	5	5	22	2	1	67
330075			0.003	0.10	401	12	13	44	1	1	21
330076	1.00	chip	0.003	0.10	397	12	13	41	1	1	20
330077	0.40	chip	0.017	0.10	77	8	38	7	1	1	2
330078	1.00	chip	0.005	0.10	68	4	25	8	1	1	2
330079	1.50	chip	0.169	0.40	51	15	7	5	1	2	29
330080	0.00	grab	0.573	11.90	312	95	2	37	1	24	89
330101	2.00	chip	0.003	0.30	81	24	13	60	1	2	2
330102	1.50	chip	0.006	3.90	217	8	70	262	1	1	2
330103	2.00	chip	0.038	5.50	572	92	65	1560	1	18	13
330104	1.50	chip	0.095	187.00	613	102	17	1855	1	8	27
330105	1.50	chip	0.028	16.90	2370	275	31	896	2	23	23
330106	1.50	chip	0.134	30.70	1185	26	3	64	21	2	938
330107	1.50	chip	0.178	15.90	218	7	1	68	11	1	140
330108	1.50	chip	0.618	97.00	5680	82	3	212	146	3	7340
330109	1.50	chip	0.246	75.70	5600	56	4	68	58	1	2310

Sample	**Width** (metres)	**Sample Method**	**Gold Grade** (g/t)	**Silver Grade** (g/t)	**Arsenic Grade** (ppm)	**Copper Grade** (ppm)	**Zinc Grade** (ppm)	**Lead Grade** (ppm)	**Mercury Grade** (ppm)	**Moly Grade** (ppm)	**Antimony Grade** (ppm)
330110	1.00	chip	0.324	5.60	358	90	1	165	2	3	183
330111	1.50	chip	0.086	2.40	147	40	10	71	1	9	46
330112	1.50	chip	0.025	22.60	45	7	2	28	2	2	15
330113	0.00	grab	0.009	0.40	38	4	19	15	1	2	3
330114	1.50	chip	0.107	1.50	285	22	16	127	1	72	27
330115	1.50	chip	0.033	0.30	70	82	8	171	1	7	8
330116	1.20	chip	0.086	0.30	60	69	1	1025	1	4	51
330117	0.00	grab	0.098	0.10	284	175	12	242	1	45	21
330118	1.00	chip	0.052	0.10	126	3	1	22	1	13	8
330119	0.00	grab	0.025	0.80	59	37	5	222	1	1	124
330120	1.00	chip	0.008	0.10	96	15	16	84	1	18	19
330121	1.20	chip	0.160	0.80	99	25	18	199	1	9	100
330122	1.00	chip	0.114	1.30	617	50	5	1045	1	11	384
330123	1.50	chip	0.021	0.40	36	29	2	66	1	14	11
330124	1.00	chip	0.045	0.80	59	15	3	152	1	26	34
330125			0.003	0.10	1	20	35	6	1	1	1
330126	0.00	grab	0.195	19.60	143	12	9	175	1	10	28
330127	1.00	chip	0.022	1.90	126	286	10	171	1	11	88
330128	1.50	chip	0.013	1.20	27	158	21	37	1	5	9
330129	1.50	chip	0.354	43.10	2980	472	5	126	4	1	890
330130	1.50	chip	0.158	4.50	507	155	4	103	1	2	83
330131	1.50	chip	0.017	0.20	23	9	8	267	1	15	10
330132	0.90	chip	0.009	0.20	59	5	10	42	1	5	6
330133	0.00	grab	0.047	5.90	12	6	6	22	2	1	10
330134	1.00	chip	0.003	0.10	3	1	2	9	1	1	1
330135	0.00	grab	0.070	28.90	40	15	8	93	2	2	32
330136	1.20	chip	0.003	0.10	63	7	5	14	1	3	3
330137	0.00	grab	0.018	2.60	27	7	6	38	1	6	1
330138	0.00	chip	0.003	0.30	44	24	101	16	1	21	2
330139	0.00	grab	0.003	0.30	36	10	286	91	1	2	4
330140	1.00	chip	0.003	0.40	19	12	27	11	1	1	1
330141	0.00	grab	0.003	0.10	11	10	103	11	1	1	2
330142	1.10	chip	0.003	0.10	22	11	158	15	1	1	2
330143	0.00	grab	0.771	106.00	28	41	185	82	2	4	31
330144	0.00	grab	0.231	1.00	397	4	43	114	9	4	25
330145	0.00	grab	0.131	0.70	44	42	16	112	1	3	1
330146	1.50	chip	0.079	0.50	19	58	25	36	1	1	1
330147	0.60	chip	0.260	0.80	192	375	21	52	2	4	59
330148	0.00	grab	0.241	7.10	123	105	39	71	4	17	98
330149	0.00	grab	5.710	4.00	795	40	31	17	2	7	82
330150			0.197	0.10	4	34	42	9	1	1	1
330151	0.00	grab	1.040	1.50	46	28	10	74	1	13	24
330152	0.90	chip	0.580	33.40	362	51	21	79	2	2	18
330153	0.90	chip	0.574	38.90	378	63	25	107	3	3	21
330154	1.50	chip	0.555	35.50	309	53	32	76	3	4	27

Sample	**Width** (metres)	**Sample Method**	**Gold Grade** (g/t)	**Silver Grade** (g/t)	**Arsenic Grade** (ppm)	**Copper Grade** (ppm)	**Zinc Grade** (ppm)	**Lead Grade** (ppm)	**Mercury Grade** (ppm)	**Moly Grade** (ppm)	**Antimony Grade** (ppm)
330155	1.50	chip	0.406	35.60	308	48	20	106	2	2	26
330156	1.40	chip	0.305	2.60	401	57	26	90	3	1	9
330157	1.50	chip	0.106	16.00	1145	59	61	128	2	2	56
330158	1.50	chip	0.077	7.30	401	27	68	151	1	1	16
330159	1.50	chip	0.141	11.40	581	41	57	245	1	1	50
330160	1.50	chip	0.140	11.20	426	18	31	44	1	1	20
330161	1.50	chip	0.102	7.80	664	21	35	40	1	1	25
330162	1.50	chip	0.091	11.50	492	41	33	73	1	3	52
330163	2.00	chip	0.205	12.00	586	27	50	106	1	1	25
330164	2.00	chip	0.142	10.90	396	20	47	149	1	4	25
330165	1.50	chip	0.158	10.00	213	21	58	119	1	4	16
330166	1.50	chip	0.553	5.70	263	7	13	141	1	5	13
330167	0.00	grab	0.854	15.20	294	34	9	100	2	1	10
330168	0.00	grab	1.605	24.20	214	47	19	120	2	2	19
330169	1.00	chip	1.110	10.80	136	26	6	48	1	3	31
330170	1.00	chip	1.110	8.00	124	26	6	74	2	9	42
330171	1.50	chip	0.144	2.40	601	5	24	1175	1	6	21
330172	1.00	chip	0.140	2.00	271	8	10	53	1	1	10
330173	1.40	chip	0.061	4.90	213	6	9	114	1	3	9
330174	1.50	chip	0.098	9.10	468	19	22	269	1	4	57
330175			0.003	0.10	1	36	56	21	1	1	1
330176	1.50	chip	0.050	7.90	96	7	9	366	1	1	6
330177	1.00	chip	11.900	15.50	604	29	112	2160	1	28	11
330178	1.50	chip	0.122	3.00	131	27	146	710	1	7	3
330179	1.50	chip	0.057	2.00	97	33	172	445	1	6	1
330180	1.50	chip	0.174	6.50	83	49	132	388	1	13	3
330181	1.50	chip	0.055	1.80	55	47	202	262	1	8	2
330182	1.50	chip	0.316	2.80	338	21	42	2380	1	60	12
330183	1.00	chip	0.442	2.90	338	3	35	1585	1	45	13
330184	1.80	chip	0.231	1.00	54	53	3	129	1	23	19
330185	1.40	chip	0.575	6.50	67	77	3	114	1	9	29
330186	1.70	chip	3.500	44.10	1520	132	1	148	2	13	231
330187	1.50	chip	5.100	42.30	483	48	1	162	2	9	256
330188	1.00	chip	0.862	3.80	315	39	1	258	1	7	73
330189	1.00	chip	1.745	42.10	813	59	9	41	1	23	112
330190	1.00	chip	0.536	15.60	183	91	2	36	1	47	125
330191	1.00	chip	0.408	4.50	293	128	4	329	1	25	118
330192	1.00	chip	1.400	29.60	306	78	2	132	1	9	277
330193	1.50	chip	0.408	3.50	148	38	35	298	2	1	34
330194	1.00	chip	0.845	4.70	840	90	57	282	6	7	355
330195	1.00	chip	1.020	7.60	123	26	19	80	6	1	24
330196	1.00	chip	1.395	7.30	139	33	25	150	12	23	105
330197	1.50	chip	3.840	8.60	539	52	202	260	5	4	300
330198	1.20	chip	1.010	9.00	48	34	8	68	13	1	73
330199	1.00	chip	2.160	17.10	107	23	39	199	3	1	33

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330200			1.010	0.90	67	221	64	26	1	1	2
330201	1.00	chip	2.170	11.20	193	34	42	242	2	1	24
330202	1.00	chip	0.598	2.60	48	15	5	87	1	1	9
330203	0.60	chip	1.205	68.50	1090	28	2	1010	57	302	641
330204	2.20	chip	0.142	1.80	30	9	1	55	1	3	11
330205	1.40	chip	0.324	1.10	40	57	1	94	1	260	24
330206	2.00	chip	0.474	1.00	58	8	1	76	1	3	13
330207	1.00	chip	0.062	0.10	38	8	1	84	1	2	14
330208	1.00	chip	0.484	3.50	66	17	2	114	1	47	16
330209	2.00	chip	0.489	1.10	142	58	1	87	1	1	23
330210	1.00	chip	0.089	1.70	57	34	4	67	1	13	25
330211	1.00	chip	0.044	0.30	9	14	3	27	1	6	6
330212	1.50	chip	0.021	0.40	26	15	3	21	1	1	8
330213	1.00	chip	0.069	0.20	33	27	2	60	1	12	7
330214	1.00	chip	0.150	0.40	64	37	3	69	2	8	4
330215	0.00	grab	0.089	5.00	67	12	1	20	1	9	117
330216	1.50	chip	0.136	0.40	37	85	3	57	1	7	1
330217	2.00	chip	0.140	0.40	48	45	2	108	2	5	3
330218	2.00	chip	0.077	0.30	63	46	2	84	1	10	8
330219	1.50	chip	0.074	0.30	64	36	3	20	1	26	8
330220	1.50	chip	0.036	0.10	107	18	6	23	1	2	1
330221	0.00	grab	0.385	14.40	107	28	3	274	1	83	68
330222	1.00	chip	0.880	39.30	1020	52	3	34	1	24	108
330223	1.50	chip	0.305	17.20	684	84	4	64	1	6	78
330224	1.50	chip	1.100	21.50	390	159	2	31	1	8	87
330225			0.196	0.10	1	38	43	11	1	1	1
330226	1.50	chip	2.120	36.50	804	761	4	28	1	19	115
330227	0.00	grab	0.003	0.10	1	8	1	2	1	10	1
330228	1.50	chip	0.011	0.40	20	159	22	10	1	2	2
330229	1.20	chip	0.007	1.40	25	86	3	5	1	1	2
330230	1.00	chip	0.008	1.20	29	150	1	37	1	1	2
330231	1.00	chip	0.006	1.20	27	109	1	73	1	3	1
330232	1.50	chip	0.003	0.10	5	13	1	6	1	3	2
330233	1.00	chip	0.003	0.20	15	29	1	2	1	2	1
330234	1.00	chip	0.003	0.20	3	8	1	2	1	6	1
330235	1.50	chip	0.010	0.50	19	21	1	7	1	2	1
330236	1.00	chip	0.003	0.10	7	22	1	1	1	4	1
330237	1.50	chip	0.003	0.10	3	25	1	2	1	1	2
330238	1.00	chip	0.003	0.10	10	19	2	4	1	2	1
330239	1.20	chip	0.003	0.60	6	11	3	13	1	3	2
330240	1.00	chip	0.003	0.30	4	11	2	8	1	1	1
330241	1.20	chip	0.019	0.30	14	22	1	19	1	2	2
330242	1.20	chip	0.018	0.20	14	14	1	22	1	2	1
330243	1.20	chip	0.024	0.80	3	33	2	17	1	1	1
330244	1.50	chip	0.027	0.10	10	30	3	27	1	1	2

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330245	1.10	chip	0.009	0.20	19	33	1	31	1	1	4
330246	1.50	chip	0.025	0.50	8	30	1	9	1	1	1
330247	1.00	chip	0.024	0.30	4	13	1	15	1	2	1
330248	1.00	chip	0.018	1.20	9	48	2	48	1	2	2
330249	1.00	chip	0.059	1.40	9	38	1	25	1	2	7
330250			0.003	0.10	1	20	33	5	1	1	1
330251	1.00	chip	0.009	0.40	11	73	3	6	1	6	1
330252	1.00	chip	0.008	0.20	7	15	9	6	1	2	1
330253	1.50	chip	0.003	0.10	9	14	4	11	1	2	1
330254	1.50	chip	0.005	0.10	10	20	7	11	1	4	1
330255	1.50	chip	0.003	0.20	3	439	9	3	1	1	1
330256	0.00	grab	0.008	3.00	4	278	198	24	1	1	3
330257	1.00	chip	0.005	0.20	2	74	80	6	1	1	1
330258	1.00	chip	0.054	1.30	102	274	17	62	1	1	12
330259	1.00	chip	0.065	0.90	498	27	1	262	1	2	24
330260	1.50	chip	0.109	0.30	2350	599	38	293	1	10	81
330261	0.00	grab	9.390	15.70	7870	227	7	55	2	2	730
330262	0.00	grab	3.120	68.10	10000	1140	4	83	24	4	1940
330263	0.00	grab	0.066	1.30	443	140	10	116	1	6	53
330264	0.00	grab	0.158	11.30	539	64	8	297	1	2	110
330265	1.00	chip	0.035	0.50	149	184	12	11	1	2	19
330266	1.20	chip	0.044	0.40	294	191	20	19	1	2	19
330267	0.60	chip	0.031	2.80	68	59	73	117	1	1	2
330268	1.50	chip	0.068	0.10	422	11	14	15	1	13	20
330269	1.50	chip	0.059	2.70	62	20	169	327	1	2	9
330270	0.00	grab	0.061	2.80	63	8	3	96	1	3	6
330271	1.00	chip	0.111	4.50	23	10	19	634	1	5	3
330272	1.00	chip	0.040	0.10	99	63	53	23	1	6	4
330273	1.50	chip	0.090	0.90	49	71	207	36	1	12	1
330274	0.50	chip	0.105	1.40	527	17	9	176	2	13	34
330275			0.101	1.50	531	17	10	187	2	12	34
330276	0.00	grab	0.047	0.20	39	3	4	137	1	19	2
330277	0.00	grab	0.024	1.10	13	25	97	12	1	1	1
330278	1.50	chip	0.109	0.10	21	96	15	107	1	9	1
330279	0.00	grab	0.006	0.10	9	6	3	22	1	2	1
330280	0.00	grab	0.055	2.00	20	3	50	55	1	48	1
330281	0.00	grab	0.020	0.10	12	5	3	37	1	9	1
330282	0.00	grab	0.394	24.70	21	46	331	498	1	255	54
330283	1.50	chip	0.011	0.20	1925	4	7	214	1	29	16
330284	1.50	chip	0.016	0.10	3250	3	2	137	1	11	16
330285	0.00	grab	0.014	0.10	163	5	4	32	1	10	7
330286	0.00	grab	0.003	0.10	10	42	72	8	1	1	1
330287	0.00	grab	0.025	0.10	18	83	67	4	1	31	1
330288	1.00	chip	0.016	0.10	3	1	2	15	1	9	1
330289	0.00	grab	0.013	0.10	9	3	2	10	1	38	1

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330290	1.00	chip	0.003	0.10	29	22	2	5	1	14	1
330291	0.00	grab	0.003	0.10	16	5	14	10	1	2	1
330292	0.00	grab	0.981	17.40	7630	14225	9	788	2	2	382
330293	1.00	chip	0.050	3.30	45	26	35	76	1	9	4
330294	0.40	grab	0.019	2.30	69	147	76	52	1	22	2
330295	0.10	grab	0.003	0.90	6	35	112	11	1	2	1
330296	1.00	chip	0.003	0.20	3	74	10	5	1	1	1
330297	0.00	grab	0.003	0.30	26	65	8	7	1	11	1
330298	1.50	chip	0.003	0.40	6	192	30	4	1	2	5
330299	1.50	chip	0.003	0.10	1	22	10	4	1	1	1
330300			0.003	0.10	1	20	35	6	1	1	1
330301	1.00	chip	0.010	0.10	11	36	4	3	1	7	1
330302	0.00	grab	0.003	0.40	3	66	2	4	1	51	1
330303	1.00	chip	0.449	24.40	1370	85	4	47	20	49	433
330304	1.00	chip	0.107	15.50	778	62	4	120	9	23	342
330305	1.50	chip	0.790	48.80	8930	404	6	115	33	15	1095
330306	1.10	chip	0.014	0.60	44	50	6	6	1	8	8
330307	1.00	chip	0.049	0.60	762	253	5	51	1	77	41
330308	1.50	chip	0.539	1.50	958	163	2	102	1	14	391
330309	1.00	chip	0.006	4.30	19	52	8	4	1	6	4
330310	1.00	chip	0.013	0.20	8	29	3	4	1	2	3
330311	0.00	grab	0.673	263.00	347	44	3	70	4	11	295
330312	1.00	chip	0.035	5.60	487	15	3	141	1	19	12
330313	1.50	chip	0.144	2.00	291	2	6	19	1	5	2
330314	0.00	grab	4.430	32.50	642	14	224	261	1	21	15
330315	0.00	grab	0.989	16.20	95	13	142	301	1	3	24
330316	1.50	chip	0.320	7.20	23	8	2	211	1	5	7
330317	1.50	chip	0.510	1.00	181	1	10	286	1	8	8
330318	1.50	chip	0.336	0.80	79	20	7	90	1	3	9
330319	1.50	chip	0.309	7.40	34	14	1	228	1	3	5
330320	1.00	chip	0.430	9.40	61	22	13	136	1	8	9
330321	1.00	chip	0.331	7.40	58	33	10	188	1	2	5
330322	1.00	chip	0.259	9.30	56	10	41	272	1	7	78
330323	1.00	chip	0.309	11.30	103	23	26	302	1	10	50
330324	1.00	chip	0.130	1.10	62	10	72	39	1	1	19
330325			0.991	0.90	61	205	56	28	1	1	1
330326	1.00	chip	0.138	1.40	128	5	83	85	1	1	15
330327	1.00	chip	0.520	2.40	238	4	111	116	1	15	25
330328	1.00	chip	0.318	1.40	102	2	70	43	1	2	9
330329	1.00	chip	0.477	0.70	2560	5	15	22	1	13	18
330330	1.50	chip	0.028	0.50	65	10	78	19	1	1	1
330331	1.50	chip	0.073	1.80	51	10	70	20	1	1	8
330332	1.00	chip	0.038	1.80	34	8	52	17	1	1	5
330333	1.00	chip	0.111	6.70	351	4	61	106	1	20	8
330334	1.00	chip	0.196	1.90	147	20	35	87	1	1	30

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330335	1.00	chip	0.687	18.10	126	91	325	276	1	2	22
330336	1.00	chip	1.565	90.70	555	480	326	722	7	5	1005
330337	1.50	chip	0.085	3.20	53	29	41	62	1	1	39
330338	1.00	chip	0.877	66.60	460	135	278	319	14	4	738
330339	1.00	chip	0.215	1.80	85	10	30	265	1	1	7
330340	1.00	chip	0.146	0.70	608	11	24	387	1	25	30
330341	1.00	chip	0.323	8.90	237	9	42	59	1	23	16
330342	1.50	chip	0.059	4.20	144	5	35	66	1	12	6
330343	1.00	chip	3.850	11.80	225	19	52	158	1	24	8
330344	1.00	chip	0.028	0.50	321	13	32	24	1	16	2
330345	1.00	chip	0.055	2.20	259	5	9	15	1	11	3
330346	1.50	chip	0.120	2.30	183	3	21	24	1	9	3
330347	1.50	chip	0.165	2.90	280	5	28	74	1	24	5
330348	1.00	chip	0.086	1.90	204	4	23	30	1	10	4
330349	1.00	chip	0.446	9.00	43	18	18	93	1	4	16
330350			0.003	0.10	<2	20	35	7	1	1	1
330351	1.00	chip	0.067	37.80	42	20	9	157	1	3	194
330352	1.00	chip	0.106	22.40	128	45	229	355	2	6	28
330353	1.00	chip	1.290	5.40	451	31	10	631	1	28	66
330354	1.00	chip	0.055	0.20	80	9	7	42	1	31	4
330355	1.00	chip	0.029	0.10	68	6	22	11	1	1	1
330356	0.60	chip	0.089	1.10	590	43	3	872	1	3	222
330357	0.70	chip	0.063	2.10	82	85	37	127	1	10	19
330358	0.70	chip	0.087	1.00	115	65	3	33	1	5	31
330359	0.70	chip	0.071	3.40	85	204	3	46	1	6	34
330360	1.00	chip	0.038	1.20	54	20	7	145	1	3	25
330361	0.80	chip	0.028	1.00	85	103	6	73	1	4	14
330362	0.80	chip	0.035	2.70	85	95	8	111	1	4	11
330363	0.80	chip	0.039	5.20	26	47	40	45	1	2	5
330364	1.00	chip	0.568	2.40	425	141	9	145	2	47	141
330365	1.00	chip	0.352	3.10	571	82	3	252	1	10	272
330366	1.50	chip	0.509	29.10	3670	71	2	191	1	4	369
330367	1.00	chip	0.301	17.90	1660	63	5	224	1	3	191
330368	0.60	chip	0.099	5.70	1455	56	2	51	6	2	198
330369	1.50	chip	0.805	3.60	2580	87	2	102	2	4	412
330370	1.10	chip	2.000	11.10	8810	159	7	603	2	6	3580
330371	1.20	chip	2.250	14.80	10001	248	4	300	6	5	2950
330372	1.00	chip	12.950	7.10	8070	144	3	148	10	5	1655
330373	2.00	chip	4.650	10.10	7620	281	5	185	6	5	1345
330374	1.50	chip	0.531	23.50	2850	672	48	468	1	7	202
330375			0.003	0.10	8	22	36	5	1	1	1
330376	1.00	chip	0.574	1.20	297	267	6	144	2	6	93
330377	1.00	chip	5.560	23.70	2880	167	4	131	31	5	1375
330378	1.00	chip	4.580	15.60	4680	353	5	98	11	7	1520
330379	1.25	chip	1.870	8.60	5310	1400	20	479	5	10	743

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330380	2.70	chip	1.350	36.80	661	639	12	135	7	4	273
330381	1.50	chip	1.170	5.10	2850	88	2	96	5	4	1395
330382	1.20	chip	2.340	5.30	6190	180	3	239	2	6	3220
330383	1.50	chip	0.228	6.50	1530	92	7	98	2	4	297
330384	1.15	chip	0.693	3.80	1450	54	2	148	2	4	470
330385	1.50	chip	0.887	18.50	7500	123	3	223	5	8	1570
330386	1.50	chip	0.103	4.60	281	149	8	293	2	8	168
330387	1.80	chip	0.118	1.70	98	208	10	78	1	8	17
330388	1.00	chip	2.440	1.40	10001	244	5	1575	2	6	2910
330389	1.00	chip	0.613	0.80	2230	242	6	465	1	1	594
330390	1.00	chip	13.000	17.10	9380	203	3	958	8	4	4210
330391	1.50	chip	4.430	7.10	10001	256	4	1165	8	7	4590
330392	1.20	chip	3.080	19.90	7060	283	4	1020	10	4	2010
330393	1.50	chip	9.190	8.90	10001	401	7	1245	10	7	5180
330394	1.15	chip	0.075	3.60	175	26	23	74	1	2	43
330395	1.55	chip	1.690	6.60	704	312	8	326	1	4	441
330396	1.30	chip	0.781	0.50	341	781	38	229	1	11	185
330397	1.70	chip	0.404	8.90	403	141	7	181	5	3	131
330398	0.00	grab	0.534	2.20	586	101	3	129	1	8	234
330399	1.10	chip	0.717	2.40	4370	143	5	157	1	5	2670
330400			0.186	0.10	5	36	42	11	1	1	1
330401	1.00	chip	9.790	6.80	10001	209	3	629	9	4	3680
330402	1.00	chip	0.212	0.30	1065	109	6	242	1	1	337
330403	1.50	chip	0.156	0.30	340	50	5	98	1	1	103
330404	1.50	chip	0.720	4.10	168	34	23	118	1	9	52
330405	1.50	chip	0.534	1.60	49	24	10	81	1	6	9
330406	1.00	chip	6.410	34.00	547	159	2	298	2	11	110
330407	1.00	chip	5.480	34.30	595	266	2	215	1	20	99
330408	0.80	chip	2.750	15.40	373	131	2	202	1	72	115
330409	0.70	chip	0.415	3.80	657	48	12	83	1	249	384
330410	1.00	chip	0.429	15.50	203	79	3	100	1	43	61
330411	1.00	chip	0.385	15.80	255	60	2	98	1	103	109
330412	0.70	chip	0.127	8.60	197	32	1	22	1	99	101
330413	1.00	chip	0.195	7.70	110	14	1	18	1	75	85
330414	1.00	chip	0.669	5.30	124	11	4	103	1	3	7
330415	1.00	chip	0.868	5.40	73	9	2	56	1	1	6
330416	1.00	chip	0.558	4.00	60	7	2	71	1	1	6
330417	1.20	chip	0.643	2.90	75	11	4	127	1	1	6
330418	1.30	chip	0.817	1.90	201	24	5	157	1	1	8
330419	1.30	chip	0.408	1.70	86	23	4	169	1	2	6
330420	1.00	chip	0.045	1.00	55	8	9	152	1	1	5
330421	1.00	chip	0.307	2.80	51	34	27	139	1	1	19
330422	1.00	chip	0.368	4.00	75	28	1	58	1	1	13
330423	1.60	chip	0.462	3.30	111	37	2	116	1	6	31
330424	1.20	chip	0.165	3.40	180	165	9	119	1	140	116

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330425			0.993	0.70	66	209	61	27	1	1	1
330426	0.00	grab	26.100	121.00	8130	4940	143	8	567	13	4890
330427	1.50	chip	3.380	14.40	2250	1350	31	6	34	9	1160
330428	1.50	chip	0.768	9.70	456	147	2	7	45	4	1565
330429	1.00	chip	0.055	0.60	26	12	5	15	1	18	14
330430	1.00	chip	0.134	2.50	75	13	4	102	1	1	12
330431	1.50	chip	0.253	2.10	64	64	4	229	1	4	22
330432	1.30	chip	3.250	16.90	1495	202	4	8	45	6	1720
330433	1.10	chip	2.230	10.00	461	84	3	4	31	2	391
330434	0.00	grab	1.000	23.50	1350	336	4	64	3	4	144
330435	1.20	chip	0.110	0.50	40	19	3	11	1	2	33
330451	1.50	chip	0.026	0.20	49	17	6	96	1	1	5
330452	0.75	chip	0.015	0.10	82	37	6	159	1	70	14
330453	1.50	chip	0.013	0.10	79	5	2	244	1	18	8
330454	1.50	chip	0.012	2.10	107	25	3	111	1	5	12
330455	1.30	chip	0.003	1.70	460	26	5	158	1	17	34
330456	1.50	chip	0.028	0.40	260	11	2	91	1	2	17
330457	1.70	chip	0.047	0.50	966	222	6	202	1	11	147
330458	0.00	grab	0.081	1.20	341	100	15	183	1	6	101
330459	0.00	grab	0.011	0.30	24	16	11	20	1	1	1
330460	1.00	Chip	0.008	0.80	39	10	728	208	1	3	1
330461	0.00	grab	0.008	0.10	129	3	5	44	1	10	6
330462	0.00	grab	0.008	0.10	25	8	14	53	1	9	5
TEN-1	1.60	chip	0.195	0.40	86	31	37	147	0	1	36
TEN-10	0.00	grab	0.520	5.00	27	3	10	30	0	1	5
TEN-11	1.00	chip	0.135	3.70	58	79	200	268	0	8	9
TEN-12	1.50	chip	2.830	36.80	3570	12900	290	261	9	4	3050
TEN-13	0.00	grab	0.011	0.30	58	114	8	19	0	6	20
TEN-14	1.80	chip	0.179	5.10	2890	161	6	235	6	14	575
TEN-15	1.20	chip	0.126	1.40	67	133	10	55	0	13	30
TEN-2	0.00	grab	0.135	0.50	63	18	13	61	0	1	33
TEN-3	0.80	chip	0.445	1.90	83	20	7	75	1	1	32
TEN-4	1.00	chip	0.103	7.80	276	48	9	168	0	4	61
TEN-5	0.00	grab	0.463	5.90	147	19	8	301	6	8	204
TEN-6	1.70	chip	0.072	1.80	256	53	6	170	0	5	22
TEN-7	1.50	chip	0.131	0.50	393	10	176	14	0	18	3
TEN-8	0.00	grab	0.205	6.50	19	2	9	6	1	1	2
TEN-9	1.50	chip	0.322	3.80	175	28	22	306	1	50	40
330463	1.00	chip	0.194	0.50	112	64	59	263	1	4	4
330464	0.70	chip	0.061	0.40	89	8	13	421	1	2	9
330465	0.00	grab	0.008	27.50	20	1	1	41	1	3	44
330466	1.50	chip	0.242	0.20	236	39	4	236	1	2	6
330467	1.00	chip	0.049	10.60	30	607	1835	816	1	2	53
330468	1.50	chip	0.090	0.30	372	31	67	113	1	6	3
330469	1.00	chip	0.307	3.70	130	35	74	485	1	2	4

Sample	**Width** (metres)	**Sample Method**	**Gold Grade** (g/t)	**Silver Grade** (g/t)	**Arsenic Grade** (ppm)	**Copper Grade** (ppm)	**Zinc Grade** (ppm)	**Lead Grade** (ppm)	**Mercury Grade** (ppm)	**Moly Grade** (ppm)	**Antimony Grade** (ppm)
330470	0.00	grab	0.005	32.70	101	11	36	9	1	1	1
330471	0.00	grab	4.240	466.00	20	3320	190005	53700	18	8	10
330436	1.00	chip	0.011	0.10	23	113	2	4	1	1	1
330437	1.00	chip	0.014	0.10	25	167	2	5	1	2	2
330438	1.00	chip	0.035	0.70	26	57	2	15	1	1	9
330439	1.80	chip	0.015	0.10	25	152	7	12	1	2	1
330440	1.80	chip	0.019	0.10	29	176	6	16	1	2	2
330441	1.00	chip	0.034	0.20	22	83	1	10	1	1	31
330442	1.00	chip	0.039	0.10	16	44	3	11	1	1	1
330443	1.00	chip	0.017	0.10	13	72	1	13	1	1	1
330444	1.00	chip	0.057	0.30	43	128	1	10	1	2	1
330445	1.00	chip	0.058	0.10	25	60	1	8	1	2	1
330446	1.00	chip	0.009	0.10	38	34	1	3	1	1	1
330447	1.00	chip	0.016	0.10	9	111	1	7	1	1	1
330448	1.00	chip	0.017	0.10	7	20	2	3	1	1	1
330449	1.00	chip	0.014	0.20	6	21	2	4	1	1	3
330450			0.003	0.10	4	21	36	5	1	2	1
330501	1.00	chip	0.030	0.70	30	42	227	66	1	29	2
330502	1.00	chip	0.045	0.90	142	279	89	344	1	16	17
330503	1.50	chip	0.063	1.90	77	226	139	406	1	7	55
330504	1.50	chip	0.175	22.10	1055	504	74	382	3	36	142
330505	1.20	chip	0.249	14.00	40	41	14	53	1	12	9
330506	1.20	chip	0.197	5.20	25	127	14	43	1	9	1
330507	1.20	chip	0.329	3.50	23	115	28	46	1	11	4
330508	1.20	chip	0.294	1.70	16	11	5	52	1	10	1
330509	1.00	chip	0.497	15.80	254	42	8	25	1	16	88
330510	0.60	chip	3.730	167.00	115	569	391	5620	4	27	8
330511	0.80	chip	1.025	35.40	54	1150	1090	3910	1	10	3
330512	1.00	chip	6.390	294.00	49	1165	998	5560	3	122	8
330513	1.10	chip	0.689	43.20	54	509	613	4360	2	23	7
330514	0.50	chip	0.362	14.70	20	272	599	180	1	3	2
330515	1.50	chip	0.099	9.00	36	472	805	2100	1	6	1
330516	1.00	chip	0.045	1.60	865	107	6	77	1	4	29
330517	1.10	chip	0.059	0.50	26	128	4	51	1	26	3
330518	1.00	chip	0.031	0.30	74	79	10	36	1	3	9
330519	1.20	chip	0.170	0.20	57	105	6	20	1	6	14
330520	1.25	chip	0.023	0.60	23	167	7	33	1	5	11
330521	1.20	chip	0.039	0.70	33	130	7	10	1	8	4
330522	1.20	chip	0.112	0.50	65	567	10	15	1	5	19
330523	1.00	chip	0.025	0.90	34	116	7	12	1	10	3
330524	1.00	chip	0.149	0.10	62	280	12	26	1	4	2
330525			1.010	0.80	60	214	60	26	1	1	1
330526	1.00	chip	0.036	0.30	7	59	3	7	1	8	11
330527	1.00	chip	0.078	0.40	45	166	6	12	1	6	17
330528	0.00	chip	0.044	0.30	635	152	3	66	1	3	21

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330529	1.00	chip	0.053	2.90	241	266	5	50	5	21	364
330530	1.20	chip	0.065	0.10	59	119	3	7	1	11	21
330531	1.80	chip	0.036	0.20	1105	752	3	84	1	66	74
330532	1.00	chip	0.058	516.00	27	16	1	127	1	2	99
330533	1.00	chip	4.480	32.20	113	69	2	41	5	2	158
330534	1.20	chip	5.170	71.30	156	85	2	70	5	4	301
330535	1.30	chip	0.853	13.20	48	72	1	141	1	3	79
330536	1.10	chip	2.800	50.30	72	46	2	37	3	3	188
330537	1.20	chip	0.107	3.10	121	205	4	34	1	22	140
330538	1.00	chip	0.050	0.80	30	118	5	16	1	9	15
330539	1.20	chip	3.890	51.20	125	200	7	64	7	4	137
330540	3.00	chip	1.420	18.80	179	58	14	70	1	2	150
330541	2.30	chip	1.610	21.50	65	42	16	47	4	2	146
330542	1.20	chip	0.154	3.50	216	133	14	69	2	3	557
330543	1.00	chip	0.035	4.50	1425	337	7	215	2	2	54
330544	1.20	chip	0.025	0.40	1065	409	13	90	1	10	86
330545	1.20	chip	0.009	0.30	347	88	19	46	1	2	14
330546	1.00	chip	0.014	0.70	21	28	2	55	1	1	1
330547	1.00	chip	0.021	3.90	10	60	2	5	1	1	2
330548	1.00	chip	0.029	1.50	13	57	1	96	1	1	1
330549	2.00	chip	0.007	1.50	22	80	4	38	1	1	2
330550			0.008	1.30	22	83	2	39	1	1	2
330551	2.00	chip	0.014	1.00	21	63	2	25	1	1	4
330552	1.00	chip	0.010	2.20	20	63	1	43	1	3	4
330553	1.35	chip	0.007	0.90	14	24	1	28	1	1	5
330554	0.00	grab	0.003	100.00	28	8	2	52	5	2	49
330555	1.20	chip	0.231	7.40	315	70	63	2510	1	30	15
330556	2.50	chip	0.206	17.10	275	100	31	49	5	25	189
330557	1.30	chip	0.065	2.60	80	19	14	197	1	13	23
330558	1.50	chip	4.030	341.00	54	24	3	293	17	2	190
330559	1.00	chip	0.003	0.30	10001	29	143	49	2	28	52
330560	1.00	chip	0.003	0.10	8970	1	44	26	1	4	11
330561	0.00	grab	0.141	77.60	39	15	5	21	1	1	13
330562	1.20	chip	0.475	47.30	195	53	12	108	2	4	38
330563	1.30	chip	0.025	0.80	103	14	10	96	1	5	2
330564	1.20	chip	0.003	0.50	297	2	2	34	1	9	3
330565	1.10	chip	0.597	2.10	109	78	12	160	1	6	81
330566	0.00	grab	0.031	0.60	89	6	11	55	1	3	16
330567	1.00	chip	0.313	0.20	123	22	5	144	1	2	71
330568	1.00	chip	0.095	0.80	153	9	14	123	1	10	10
330569	1.50	chip	0.952	8.70	276	283	11	141	2	8	56
330570	1.00	chip	0.051	3.40	41	4	11	89	1	1	5
330571	1.50	chip	0.995	3.40	127	93	5	69	1	26	33
330572	1.95	chip	0.369	7.10	523	101	2	58	2	1	150
330573	2.00	chip	0.558	11.40	381	696	15	17	2	8	120

Sample	**Width** (metres)	**Sample Method**	**Gold Grade** (g/t)	**Silver Grade** (g/t)	**Arsenic Grade** (ppm)	**Copper Grade** (ppm)	**Zinc Grade** (ppm)	**Lead Grade** (ppm)	**Mercury Grade** (ppm)	**Moly Grade** (ppm)	**Antimony Grade** (ppm)
330574	1.00	chip	0.577	10.00	329	220	14	43	1	4	139
330575			0.003	0.10	1	23	37	6	1	1	1
330576	1.50	chip	0.237	2.30	771	84	12	84	1	5	113
330577	1.10	chip	0.271	4.20	198	58	4	37	1	3	36
330578	1.50	chip	1.070	12.00	589	211	12	24	4	4	303
330579	1.20	chip	0.369	2.60	1345	264	6	46	1	5	243
330580	1.20	chip	0.055	0.20	211	10	59	89	1	5	2
330581	1.70	chip	1.835	8.10	26	51	8	70	6	1	14
330582	0.90	chip	2.220	4.40	51	93	9	121	4	2	12
330583	1.00	chip	2.750	6.90	98	59	12	116	4	2	11
330584	1.10	chip	3.470	3.30	86	47	26	211	7	3	19
330585	1.50	chip	1.430	4.40	67	32	37	222	2	5	20
330586	0.75	chip	3.780	8.10	83	74	40	233	4	13	26
330587	1.60	chip	0.669	23.80	122	44	27	543	2	1	7
330588	1.00	chip	0.792	4.50	54	32	20	179	1	3	9
330589	1.00	chip	1.570	4.70	64	38	21	269	1	1	14
330590	1.00	chip	5.420	48.10	124	493	50	170	8	1	66
330591	1.10	chip	1.365	10.50	125	174	52	136	3	1	12
330592	1.50	chip	0.427	3.60	184	54	59	71	1	1	19
330593	2.00	chip	1.605	9.90	46	189	19	117	1	2	13
330472	0.00	grab	1.020	2.50	112	79	33	211	5	7	19
330473	1.00	chip	0.456	6.60	118	30	6	211	1	3	14
330474	1.15	chip	0.119	0.60	154	27	20	38	1	1	9
330475			0.011	0.10	2	19	33	6	1	1	1
330476	0.00	grab	2.480	13.40	99	42	22	156	8	6	20
330477	1.50	chip	1.105	29.70	194	17	42	228	1	1	13
330478	0.30	chip	0.615	2.90	169	124	88	35	1	1	12
330479	1.00	chip	0.035	2.10	45	1	53	78	1	4	4
330480	0.00	grab	0.106	4.10	604	42	53	442	1	11	27
330481	1.10	chip	0.520	1.10	75	8	131	189	1	5	27
330482	0.00	grab	3.030	51.70	251	562	272	216	3	3	74
330483	1.30	chip	0.083	1.00	177	16	8	14	1	1	2
330484	1.30	chip	0.031	0.20	76	23	8	7	1	1	2
330485	1.50	chip	0.027	0.20	68	10	29	13	1	1	1
330486	1.00	chip	0.010	0.10	143	6	19	10	1	2	4
330487	0.00	grab	5.970	354.00	56	20	21	649	1	2	121
330488	1.50	chip	0.021	0.90	203	4	3	186	1	1	3
330489	1.50	chip	0.146	0.50	216	15	8	137	1	1	3
330490	1.50	chip	0.151	0.70	85	24	32	23	1	1	2
330491	1.50	chip	0.095	0.30	56	37	24	21	1	1	1
330594	1.60	chip	0.626	5.20	107	62	20	100	1	1	15
330595	1.60	chip	0.909	7.90	265	130	84	79	1	1	13
330596	1.80	chip	0.338	4.70	286	38	76	121	1	1	11
330597	2.00	chip	0.219	14.50	128	170	18	87	1	4	13
330598	2.40	chip	0.104	5.80	180	77	25	56	1	2	8

Sample	**Width** (metres)	Sample **Method**	Gold **Grade** (g/t)	Silver **Grade** (g/t)	Arsenic **Grade** (ppm)	Copper **Grade** (ppm)	Zinc **Grade** (ppm)	Lead **Grade** (ppm)	Mercury **Grade** (ppm)	Moly **Grade** (ppm)	Antimony **Grade** (ppm)
330599	2.40	chip	0.173	3.50	99	107	31	112	1	5	18
330600			0.201	0.10	1	31	40	9	1	1	1
330601	1.30	chip	0.610	11.90	389	171	78	122	2	1	16
330602	1.20	chip	5.060	37.30	180	555	48	134	5	3	64
330603	1.30	chip	0.287	4.60	255	168	22	466	2	1	11
330604	2.00	chip	0.326	7.00	380	129	36	190	3	2	50
330605	1.40	chip	0.285	4.00	150	125	33	255	1	2	5
330606	1.00	chip	0.880	8.50	171	192	30	263	2	2	9
330607	1.20	chip	3.560	38.60	276	1760	110	73	3	1	155
330608	2.00	chip	0.037	4.50	39	5	5	77	1	5	8
330609	2.00	chip	0.242	1.50	273	46	7	82	1	12	14
330610	2.00	chip	0.041	0.60	92	13	23	280	1	17	9
330611	2.00	chip	0.057	1.00	55	7	26	24	1	2	7
330612	1.40	chip	0.264	1.00	99	49	21	61	1	25	20
330613	1.40	chip	0.280	1.30	140	60	45	84	1	21	57
330614	2.00	chip	0.354	1.50	178	65	66	75	1	22	73
330615	1.75	chip	0.321	1.80	114	76	82	83	1	41	55
330616	0.00	grab	2.240	15.30	64	56	29	82	11	1	31
330617	1.10	chip	1.575	12.30	114	49	136	215	7	1	40
330618	1.10	chip	0.094	0.50	99	16	63	38	1	1	2
330619	1.60	chip	0.023	0.80	299	17	12	116	1	6	3
330620	0.00	grab	0.084	0.30	86	32	4	12	1	1	11
330621	1.80	chip	0.565	10.30	624	20	41	550	1	19	15
330622	1.10	chip	0.229	5.30	155	33	29	362	1	47	22
330623	1.00	chip	0.331	4.60	190	36	862	198	1	13	6
330624	1.50	chip	3.140	28.90	117	78	4	30	8	3	274
330625	1.50	chip	3.490	29.20	151	61	1	53	8	2	375
330626	1.10	chip	5.490	37.10	125	44	3	80	9	2	618
330627	1.50	chip	0.534	4.50	104	30	1	168	3	5	117
330628	1.50	chip	1.935	27.80	60	64	1	64	7	2	173
330629	1.50	chip	1.190	7.10	115	36	1	49	2	2	191
330630	1.50	chip	2.170	18.90	245	44	1	92	10	3	315
330631	1.50	chip	0.051	0.40	35	42	4	7	1	2	23
330632	1.50	chip	0.055	0.30	18	18	4	8	1	3	14
330633	0.00	chip	7.000	412.00	163	44	11	352	6	1	125
330634	2.00	chip	0.030	7.20	195	96	126	202	4	4	61
330635	1.50	chip	0.172	59.50	285	25	28	389	2	2	118
330636	1.40	chip	1.705	14.50	517	696	563	562	1	26	10
330637	1.50	chip	0.371	7.40	400	166	620	459	1	2	3
330638	1.50	chip	0.080	1.60	53	33	129	51	1	4	3
330639	1.60	chip	0.177	3.30	45	118	372	136	1	2	3
330640	1.30	chip	0.037	1.60	35	45	33	20	1	7	1
330641	1.00	chip	9.390	16.70	55	48	2230	504	1	1	57
330642			0.003	0.10	1	22	37	6	1	1	1
330643	0.00	grab	0.271	2.10	173	11	2	25	1	11	174

Sample	Width (metres)	Sample Method	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Zinc Grade (ppm)	Lead Grade (ppm)	Mercury Grade (ppm)	Moly Grade (ppm)	Antimony Grade (ppm)
330644	1.50	chip	0.051	0.10	8	6	1	5	1	6	4
330645	0.00	grab	1.355	25.80	4670	79	8	103	47	6	4340

Annex B - Mammoth Resources Corp. - Tenoriba X-Ray Diffraction Sampling Data Bank

Sample **Number**	Terraspec Sample **Number**	**Mineral 1**	**Mineral 2**	**Mineral 3**	**Technician's Comments**
MM-1455	Mamut-16	Kaolinite	Quartz		vuggy silica texture, white clays filling the voids
	Mamut-17	Kaolinite	Smectite		white clays filling the voids, low oxidation
MM-4014	Mamut-18	Illite	Jarosite		vuggy silica, white clay filling the voids and some oxidation
330037	Mamut-19	Illite	Jarosite	Schorlite	a mixture of white and yellow clays
	Mamut-20	Illite/Smectite	Schorlite		white clay in fracture face
	Mamut-21	Dickite			white principal veinlet
	Mamut-22	Dickite			second small white veinlet clay
	Mamut-22-2	Kaolinite	Hematite		host rock analysis
330021	Mamut-23	Kaolinite	Hematite		white clay veinlet at the edge of the sample
	Mamut-24	Kaolinite			altered host rock, quartz eyes and white clays
	Mamut-25	Kaolinite		Hematite	altered host rock, oxidized, quartz eyes, low clay content
330022	Mamut-26	Dickite			white clay material in one face
	Mamut-27	Dickite			white clay material
330027	Mamut-28	Quartz		Kaolinite	vuggy silica texture, with oxidation and white clays in voids
330040	Mamut-29	Quartz			grey silicified, oxidation ,disseminated pyrite (bad spectra)
	Mamut-30	Kaolinite			zone of silicification and clay, low oxidation.
MM-670	Mamut-31	Dickite			white clay sample, zone with low oxidation
PIMA-1	Mamut-1	Kaolinite			host rock
	Mamut-2	Kaolinite			white veinlet
	Mamut-3	kaolinite			clay veinlets zone
PIMA-2	Mamut-4	Kaolinite			host rock gray color, pyrite veinlet (bad spectra)
	Mamut-5	Kaolinite			white clay material
	Mamut-6	Kaolinite			white clast, argillized leach zone (bad spectra)
PIMA-3	Mamut-7	Montmorillonite		Kaolinite	host rock
	Mamut-8	Montmorillonite			fracture face
PIMA-4	Mamut-9	Zeolite			veinlet in fracture, translucid crystals
	Mamut-10	Zeolite			host rock, with yellowish clays
PIMA-5	Mamut-11	Zeolite			white clay veinlet with oxidation
PIMA-6	Mamut-12	Illite		Hematite	small crystals in fracture (bad spectra)
	Mamut-13	Montmorillonite			fracture with small crystals, crystalline and some pink
PIMA-7	Mamut-14	Montmorillonite			selective white clay alteration in rock (bad spectra)
PIMA-8	Mamut-15	Kaolinite	Smectite		white clay material
330078	Mamut-32	Quartz	Smectite		silicified zone with some white clays, low oxidation content
330019	Mamut-33	Dickite			low oxidization, white clays replace feldspar
330039	Mamut-34	Dickite			silica clay alteration, the 'fresh" zone was used for measure
330069	Mamut-35	Dickite	Kaolinite		analyze clear zone below the sample number
	Mamut-36	Kaolinite	Dickite		low oxidation zone, behind the sample
330101	Mamut-37	Illite			argillisation zone, low oxidation, quartz eyes
330102	Mamut-38	Illite			clear zone with white clay, quartz eyes
330110	Mamut-39	Dickite			white clay to be analyzed below sample number
	Mamut-40	Dickite			zone of white clay, low oxidation, inside a oxidation halo
330116	Mamut-41	Dickite	Hematite		low oxidation and white clay
	Mamut-42	Dickite			possible pseudocrystallisation of clay
330118	Mamut-43	Kaolinite	Smectite		low oxidation zone, argillisation of feldspars

Sample Number	Terraspec Sample Number	Mineral 1	Mineral 2	Mineral 3	Technician's Comments
330119	Mamut-44	Illite			low oxidation, moderate clays in matrix with quartz eyes
330121	Mamut-45	Dickite			low oxidation, at one edge of the bigger face
	Mamut-46	Dickite		Hematite	inside the oxidation zone
330127	Mamut-47	Dickite			clear face one side of the sample with white clay
	Mamut-48	Dickite			white clay in the middle of the sample one side of veinlets
330128	Mamut-49	Illite		Hematite	low oxidation, white clay affecting the rock on one side
	Mamut-50	Dickite		Kaolinite	fracture zone, low oxidation
330131	Mamut-51	Kaolinite		Hematite	patches of white clay affecting rock, moderate oxidation
	Mamut-52	Dickite			white to cream clay, in fracture, with moderate oxidation
	Mamut-53	Dickite			clay alteration in the matrix of the rock, with quartz eyes
TEN-13	Mamut-54	Kaolinite			clay filling breccias zone, white and cream coloured clays
	Mamut-55	Kaolinite			clay filling brecciated zone, with low oxidation in fracture
330146	Mamut-56	Halloysite			white clay material
	Mamut-57	Dickite			gray material, possible host rock, small white clay veinlets
330252	Mamut-71	Illite			silicified rock, white clays affecting phenocrystals
330163	Mamut-58	Dickite			white clay zone, almost no oxidation
	Mamut-59	Dickite			sample with white clay and moderate oxidation
330170	Mamut-60	Kaolinite			low oxidation zone, white clay on side of the sample
	Mamut-61	Kaolinite		Hematite	selective white clay alteration in feldespars
330193	Mamut-62	Dickite	Hematite		clay alteration of fenocrystals, low oxidation
330199	Mamut-63				vuggy silica with pyrite, no mineral to identify (bad spectra)
	Mamut-64	Kaolinite		Dickite	clay alteration in fenocrystals, above sample id
330205	Mamut-65	Kaolinite	Hematite		low oxidation, clay alteration in fenocrystals, silicified matrix
330213	Mamut-66	Kaolinite			white clay vein in fracture zone, low oxidation
	Mamut-67	Kaolinite	Hematite		white clay affecting the rock, low oxidation
330215	Mamut-68	Kaolinite			silicified rock, oxidation in fracture, moderate white clay
	Mamut-69	Dickite			brecciated zone, one side of the sample
330217	Mamut-70	Kaolinite			clay affecting the rock, principally the phenocrystals
TENR-01	Mamut-72	Dickite		Kaolinite	vein of white clay, low oxidation
RS-24	Mamut-74	Dickite			moderate to intense argillisation, partial silicification in rock
RS-25	Mamut-75	Alunite	Hematite		moderate argillisation with small dots of oxidation
RS-27	Mamut-76	Kaolinite			moderate argillisation with small quartz eyes
RS-28	Mamut-77	Dickite			moderate to strong argillisation, quartz eyes, oxidation
RS-30	Mamut-78	Kaolinite	Hematite		moderate argillisation with small dots of oxidation
RS-33	Mamut-79	Dickite			white soft clay in fracture with moderate oxidation
	Mamut-80	Kaolinite		Hematite	moderate argillisation in matrix of host rock
330263	Mamut-81	Dickite			white soft clay in fracture with low oxidation
	Mamut-82	Dickite			moderate argillisation in matrix of host rock
330316	Mamut-83	Dickite			white clay in phenocrystal position, low oxidation zone
RR-01	Mamut-84	Dickite		Hematite	white clay filling fractures, low to moderate oxidation
RS-52	Mamut-85	Zeolite			parallel fracturing filling by a white sulphate, or zeolite
330279	Mamut-86	Silica/Opaline	Kaolinite		high silicification and low clay in voids
330281	Mamut-87	Kaolinite			moderate to strong clay content and low silicification
330283	Mamut-88	Dickite			high silicification in matrix with clay in fractures
RS-60	Mamut-89	Illite			moderate to strong argillisation with low oxidation

Sample Number	Terraspec Sample Number	Mineral 1	Mineral 2	Mineral 3	Technician's Comments
RS-63	Mamut-90	Kaolinite			soapy texture, high density sample of clay or sulphate
MM-4608	Mamut-91	Dickite			high argillisation with moderate oxidation
330329	Mamut-92	Illite			matrix affected by argillisation, with mod oxidation
330333	Mamut-93	Illite			zone rich in argillisation, low pyrite content
PRR3	Mamut-94	Dickite			white clay in matrix, with low-moderate oxidation
PRR5	Mamut-95	Silica/Opaline	Kaolinite		silicification with vuggy silica texture with clay in voids
PRR6	Mamut-96	Dickite			argillisation in sample replacing the phenocrystals
PRR7	Mamut-97	Dickite			white clay or sulphate in fracture, mod oxidation
	Mamut-98	Kaolinite			white clay or sulphate in matrix
PRR9	Mamut-99	Dickite			clay replacing phenocrystal position and part of matrix
PRR10	Mamut-100	Illite			high silicification in matrix with clay in fractures
PRR12	Mamut-101	Dickite			argillisation, low to moderate oxidation
PRR14	Mamut-102	Dickite			argillisation principally in fracture, low oxidation
PRR16	Mamut-103	Kaolinite/Smectite			abundant white clay, oxidation related to fractures
PRR17	Mamut-104	Halloysite			abundant white clay in sample with low oxidation
330376	Mamut-105	Dickite			white clay in fracture
	Mamut-106	Kaolinite	Jarosite		earthy yellowish material
330379	Mamut-107	Dickite			white clay in fracture
330398	Mamut-108	Dickite			white clay in fracture
330410	Mamut-109	Kaolinite			white clay in feldespar space
330421	Mamut-110	Kaolinite			volcanic rock with white clay in phenocrystal space
330435	Mamut-111	Dickite			white clay in matrix
335468	Mamut-112	Dickite			white clay veinlet
330463	Mamut-113	Halloysite			white clay with moderate oxidation in fracture
	Mamut-114	Kaolinite		Alunite	white clay in fracture
	Mamut-115	Kaolinite			veinlet of white clay
330468	Mamut-116		Kaolinite		sample of earthy white clay
330470	Mamut-117	Kaolinite/Smectite			porphidic volcanic rock with moderate argillization
RS-112b	Mamut-136	Halloysite			moderately soft and oxidized sample, strong argillization
RS-132	Mamut-137	Halloysite			white clay with moderate oxidation in fractures
MM-1427	Mamut-134	Dickite			sample with moderate-strong argilization, low oxidation
	Mamut-135	Dickite			earthy white clay one side of sample
330506	Mamut-118	Dumortierite			from near a fault zone with white and yellowish clay
	Mamut-119	Dickite			principally yellowish clay
330515	Mamut-120	Illite			white clay with moderate oxidation
330518	Mamut-121	Illite			low argillization in phenocrystals, volcanic rock
330536	Mamut-122	Silica/Opaline		Jarosite	highly silicified rock with abundant oxidation in fracture
330538	Mamut-123	Illite			low argillization in sample with mod oxidation
330542	Mamut-124	Dickite			low argillization, abundant oxidation
330562	Mamut-125	Silica/Opaline	Illlite	Jarosite	strong silicification, with yellowish earthy mineral in voids
330568	Mamut-126	Dickite			moderate argillization, moderate oxidation in fractures
330569	Mamut-127	Jarosite	Dickite	Silica/Opaline	strong silicification with oxidation in fractures.
330572	Mamut-128			Dickite	strong silicification, vuggy silica texture (Bad Spectra)
330577	Mamut-129	Kaolinite			moderate argillization, principally in phenocrystals
330579	Mamut-130	Illite			moderate to strong argillization

Sample Number	Terraspec Sample Number	Mineral 1	Mineral 2	Mineral 3	Technician's Comments
330580	Mamut-131	Halloysite			moderate to strong argillization
330589	Mamut-132	Kaolinite	Silica/Opaline		strong silicification, oxidation in fractures (Bad Spectra)
330593	Mamut-133	Silica/Opaline	Dickite		strong silicification, vuggy silica texture (Bad Spectra)

Annex C - Mammoth Resources Corp. - Tenoriba BLEG Sampling Data Bank

Sample	Gold Grade (g/t)	Silver Grade (g/t)	Copper Grade (ppm)
335458	0.006		
335459	0.006		
335460	0.003		
335461	0.003		
335462	0.001		
335463	0.001		
335464	0.001		
335481	0.000	0.005	0.91
335482	0.001	0.007	0.41
335483	0.001	0.014	2.36

Annex D - Masupraria Gold Corp. - Compiled Rock Assay Data and Results

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
24259	Chip	2.50	0.026	0.68	43	5	0.1	6.2	13		0.6
24260	Chip	3.00	0.038	0.29	49	41	0.1	25.7	2		1.5
24261	Chip	2.40	0.108	3.05	98	19	0.3	10.0	35		2.2
24262	Chip	3.00	0.044	2.18	61	14	0.3	7.4	7		1.0
24263	Chip	2.50	0.232	1.84	154	77	0.4	24.9	44		5.4
24264	Chip	3.00	0.014	2.47	69	46	0.1	2.0	47		1.6
24265	Panel-Chip	1.50	0.020	0.42	194	21	13.8	1.5	8		0.4
24266	Chip	2.00	0.054	2.90	50	18	0.2	3.4	5		0.6
24267	Chip	2.10	2.230	59.30	8,550	29,100	25.0	4.2	4,810		1.4
24268	Chip	2.10	1.940	14.45	2,230	4,680	2.0	2.3	642		0.4
24269	Chip	1.70	20.900	143.00	>10,000	15,600	8.0	5.3	1,600		1.4
24270	Chip	1.50	0.138	4.92	85	40	0.4	16.2	11		0.2
24271	Chip	2.50	0.228	3.31	279	68	0.1	3.8	11		0.1
24272	Chip	2.50	0.103	1.84	428	63	0.7	10.7	7		1.2
24273	Chip	3.00	0.467	1.45	130	23	0.4	10.7	5		0.8
24274	Chip	1.50	0.007	0.51	12	15	0.0	5.9	1		0.2
24275	Chip	2.70	0.476	1.93	203	126	2.5	58.8	28		2.5
24276	Chip	2.10	0.318	0.75	179	82	2.2	43.8	44		1.9
24277	Chip	2.00	0.675	1.85	1,435	151	6.5	14.2	365		3.7
24278	Chip	4.00	0.019	0.06	17	54	0.0	20.1	3		0.4
24279	Chip	2.40	0.075	0.14	30	35	0.1	2.2	5		0.3
24280	Chip	3.50	0.012	0.10	8	40	0.0	2.5	1		0.3
24281	Dump		4.200	577.00	78	25	0.2	5.6	65		3.7
24282	Chip	5.00	0.072	2.67	93	33	0.0	30	36		1.2
24283	Chip	4.00	0.093	1.22	87	27	0.2	23	37		1.1
24284	Chip	5.00	0.029	8.18	149	29	8.3	32	73		1.3
24285	Chip	1.80	2.520	15.00	7,180	140	12.0	11	777		7.6
24286	Chip	0.20	6.030	53.90	>10,000	624	108.0	24	10,000		26.0
24287	Chip	1.50	0.178	1.18	343	35	2.0	4	203		2.4
24288	Chip	3.50	6.300	1.47	1,165	133	3.3	2	828		5.1
24289	Chip	3.00	0.299	0.51	111	39	0.3	1	61		2.7
24290	Chip	4.00	1.770	0.76	273	61	0.7	2	205		5.8
24291	Chip	3.00	1.035	1.90	1,350	163	1.8	3	947		17.8
24292	Chip	3.50	1.605	1.15	687	258	3.5	4	1,230		8.2
24421	Chip	1.30	0.070	2.20	382	106	6.3	4	69		1.8
24422	Chip	2.35	0.035	0.95	113	134	0.2	6	31		1.2
24423	Chip	2.50	0.295	6.29	2,630	156	1.0	10	468		1.9
24424	Chip	3.00	0.090	1.47	161	62	1.1	3	35		0.9
24425	Chip	10.30	0.016	0.93	111	16	0.3	17	16		0.9
24426	Chip	10.00	0.044	5.48	47	17	0.1	2	8		0.6
24427	Chip	2.90	0.773	1.57	1,530	14	0.7	26	28		0.2
24428	Chip	3.90	0.877	0.53	1,700	5	1.0	3	35		0.0
24429	Chip	3.05	0.394	0.36	1,580	5	0.4	2	24		0.0

Sample Number	Sample Type	Sample Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-0001	Chip	2.50	0.267	1.78	51	17	0.1	58	17	4.3	0.3
MM-0007	Chip	1.40	0.003	1.93	578	19	0.0	9	7	3.3	0.1
MM-0010	Chip	1.40	0.003	0.11	166	10	0.2	6	11	0.5	0.0
MM-0012	Chip	1.20	0.007	0.67	11	451	0.0	12	0	0.7	0.1
MM-0025	Chip	1.70	0.323	1.59	80	33	0.3	1	10	0.4	0.0
MM-0151	Chip	3.00	0.269	8.59	513	63	0.3	11	11	0.9	0.7
MM-0152	Chip	0.40	0.261	225.00	45	1,110	13.5	18	102	108.0	16.6
MM-0153	Chip	1.40	0.052	1.86	42	31	0.1	5	18	2.8	0.5
MM-0154	Chip	1.80	0.660	6.60	322	36	2.0	10	292	5.9	1.5
MM-0155	Chip	3.80	0.062	0.55	95	34	0.1	3	2	5.6	0.7
MM-0156	Chip	4.70	0.071	0.73	38	96	0.1	3	3	2.6	0.3
MM-0157	Chip	2.10	0.086	0.57	44	57	0.4	11	2	3.7	0.7
MM-0158	Chip	2.00	0.087	0.54	643	605	0.2	64	52	11.2	1.1
MM-0159	Chip	1.20	0.126	0.27	52	214	0.4	9	28	3.2	0.5
MM-0160	Chip	0.60	0.676	540.00	2,420	59,500	1.4	38	5,680	5.7	126.0
MM-0161	Chip	1.20	0.610	10.10	623	175	0.3	119	27	1.8	1.7
MM-0162	Chip	6.00	0.165	7.00	337	188	0.3	46	71	4.7	2.2
MM-0163	Float		0.170	1.69	50	35	0.5	4	10	0.5	0.7
MM-0164	Chip	2.00	0.123	19.55	1,040	141	17.5	7	913	1.5	8.8
MM-0165	Chip	3.70	0.457	5.05	471	22	1.9	22	120	3.3	1.5
MM-0166	Chip	1.00	4.000	19.75	716	263	9.6	60	633	25.8	6.2
MM-0167	Chip	7.50	0.131	2.29	270	149	0.5	19	46	4.5	1.8
MM-0168	Chip	2.80	0.204	1.34	214	52	0.9	11	23	3.0	7.1
MM-0169	Chip	2.00	0.050	3.87	364	14	0.2	23	9	2.2	1.1
MM-0170	Chip	2.00	1.355	20.10	4,170	64	4.4	6	2,230	10.7	24.5
MM-0171	Float	2.00	0.005	94.70	42	8	2.5	3	64	3.1	2.6
MM-0172	Chip	4.00	0.021	0.53	41	52	0.2	3	20	0.9	0.4
MM-0173	Chip	3.00	0.060	0.95	165	142	0.1	7	16	3.4	0.6
MM-0174	Chip	2.40	0.099	1.06	86	41	0.3	12	39	4.9	0.5
MM-0175	Chip	2.20	0.030	0.38	17	19	0.1	8	4	1.6	0.3
MM-0176	Chip	3.00	0.092	0.50	31	18	0.4	3	42	1.3	0.3
MM-0177	Chip	3.20	0.087	0.89	226	148	0.0	11	21	4.5	0.3
MM-0178	Chip	1.10	0.580	1.11	3,600	138	0.3	4	1,155	12.6	11.3
MM-0179	Chip	2.80	0.816	5.98	2,360	74	1.6	9	1,460	8.5	6.1
MM-0181	Chip	1.10	3.990	3.66	7,310	145	6.5	4	2,280	10.7	19.7
MM-0182	Chip	2.40	0.695	1.36	2,610	155	2.1	3	814	3.6	8.8
MM-0183	Chip	3.00	0.917	7.60	2,830	94	2.3	5	518	11.5	5.5
MM-0184	Chip	3.00	0.518	8.38	2,780	79	5.6	5	445	9.0	3.3
MM-0185	Chip	3.00	0.126	0.87	217	313	0.7	12	48	3.7	1.2
MM-0186	Chip	1.45	1.825	5.45	839	678	1.0	5	381	15.0	7.1
MM-0187	Chip	1.70	3.010	11.80	3,910	88	11.9	6	922	12.1	12.4
MM-0188	Chip	1.20	0.772	0.48	277	874	0.2	13	125	11.0	1.5
MM-0189	Chip	2.00	0.124	118.00	121	14	23.0	5	194	3.3	2.9

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-0190	Dump		2.600	537.00	71	31	0.1	8	89	1.6	3.0
MM-0191	Chip	1.70	1.525	5.40	257	18	0.8	3	10	15.1	5.6
MM-0192	Chip	2.00	0.037	3.97	537	7	0.2	24	6	0.4	0.1
MM-0193	Chip	2.30	0.060	0.37	67	6	0.1	16	2	0.6	0.2
MM-0194	Chip	1.20	0.079	1.48	633	6	0.1	33	4	0.2	0.2
MM-0195	Chip	2.20	0.017	0.18	250	6	0.0	6	5	0.3	0.7
MM-0196	Chip	1.30	1.030	2.61	651	5	1.3	104	7	0.3	2.3
MM-0197	Chip	2.00	2.040	1.28	1,580	8	0.8	66	9	0.3	6.8
MM-0198	Dump	1.00	7.250	103.00	1,010	9	5.0	428	94	1.1	9.7
MM-0199	Chip	1.30	0.202	1.02	105	7	1.8	13	11	0.4	0.1
MM-0200	Chip	2.40	0.007	0.25	83	10	0.1	8	12	0.2	0.0
MM-0601	Channel	0.80	1.195	2.13	1,425	155	10.0	6	1,175	13.7	10.5
MM-0602	Channel	1.40	2.060	3.34	2,390	225	23.9	4	1,850	22.0	20.6
MM-0603	Channel	1.00	0.064	0.74	250	65	3.9	2	88	4.7	1.4
MM-0604	Channel	1.00	0.241	0.66	91	59	1.0	2	121	8.3	2.7
MM-0605	Channel	1.60	1.155	2.16	389	146	10.5	5	594	11.1	8.9
MM-0606	Channel	1.00	0.240	0.35	568	51	0.7	5	472	5.9	3.8
MM-0607	Channel	1.50	2.060	27.00	1,415	267	61.8	16	3,020	52.9	49.0
MM-0608	Selective	0.30	0.999	1.08	166	71	1.2	2	217	3.0	9.0
MM-0609	Channel	1.40	0.044	0.83	109	40	1.7	2	24	6.1	0.9
MM-0610	Channel	1.20	0.093	0.78	96	25	1.4	4	57	6.4	1.2
MM-0611	Channel	1.20	1.255	2.71	535	179	8.7	5	518	14.2	5.1
MM-0612	Channel	0.80	0.158	1.03	179	68	4.2	3	95	5.5	1.3
MM-0613	Channel	1.10	3.940	3.87	696	202	9.5	5	531	12.7	13.2
MM-0614	Channel	1.00	0.079	2.74	121	61	2.6	6	14	6.6	0.9
MM-0615	Channel	0.70	0.131	0.64	150	77	0.3	12	31	2.5	0.6
MM-0616	Channel	0.70	0.058	0.28	101	30	0.3	5	39	1.4	0.5
MM-0617	Channel	0.40	0.086	0.13	477	77	0.1	60	71	2.2	1.3
MM-0618	Channel	1.80	0.053	0.74	446	51	0.1	10	57	2.2	0.4
MM-0620	Channel	0.65	0.122	1.54	2,220	109	1.5	12	730	8.5	1.4
MM-0621	Chip-panel	2.00	0.043	0.12	115	55	0.0	6	11	2.3	0.5
MM-0622	Chip-panel	2.00	0.074	0.09	116	53	0.0	6	15	2.7	1.4
MM-0623	Chip-panel	2.00	0.033	0.06	102	33	0.0	8	7	2.7	0.9
MM-0624	Channel	1.70	0.013	0.16	90	4	0.0	2	1	0.7	0.6
MM-0625	Channel	1.00	0.027	0.04	151	7	0.0	1	1	1.0	0.3
MM-0626	Channel	1.00	0.015	0.04	146	14	0.1	6	2	1.3	0.6
MM-0627	Chip-Channel	1.40	4.980	9.37	8,460	138	6.4	7	7,330	21.2	18.6
MM-0628	Chip-Channel	2.00	1.720	10.30	3,730	77	3.4	5	1,205	11.9	16.5
MM-0629	Chip-Channel	2.00	0.361	10.80	1,375	34	6.5	4	284	6.6	2.4
MM-0630	Chip-Channel	2.00	0.392	27.10	1,175	52	4.9	8	221	7.0	3.2
MM-0631	Chip-Channel	2.00	0.169	1.26	395	174	1.7	14	217	3.8	1.7
MM-0632	Chip-Channel	1.00	0.062	2.02	89	83	0.4	9	14	1.9	0.8
MM-0633	Chip-Channel	1.60	0.080	1.09	127	142	0.3	29	24	3.1	1.2

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-0634	Chip-Channel	2.00	0.022	0.87	190	10	0.5	2	9	2.7	0.6
MM-0635	Chip-Channel	2.00	0.018	0.84	202	11	0.9	2	4	3.9	8.1
MM-0636	Chip-Channel	2.00	0.014	1.06	76	5	1.1	2	5	2.1	1.2
MM-0637	Chip-Channel	2.00	0.030	0.83	214	4	0.2	2	3	1.9	2.3
MM-0638	Chip-Channel	2.00	0.032	0.59	284	7	0.1	2	2	1.8	3.9
MM-0639	Chip-Channel	1.80	0.261	1.66	2,630	9	0.2	70	16	0.4	1.1
MM-0640	Chip-Channel	1.80	0.300	0.95	1,560	7	0.8	49	42	0.7	1.8
MM-0641	Chip-Channel	1.80	2.430	14.40	878	28	0.5	92	20	0.9	11.5
MM-0642	Chip-Channel	1.30	0.498	1.77	2,050	14	0.1	8	11	0.4	1.6
MM-0643	Chip-Channel	1.50	2.400	2.60	2,750	12	0.4	49	17	0.7	7.2
MM-0644	Chip-Channel	1.00	8.160	32.10	1,420	20	1.0	92	21	0.6	58.2
MM-0645	Chip-Channel	1.50	0.461	4.47	831	12	0.1	23	6	0.4	2.5
MM-0647	Chip-Channel	1.50	0.213	4.57	2,270	21	0.7	105	23	0.8	2.4
MM-0648	Chip-Channel	0.90	0.114	1.46	1,725	12	0.3	68	23	0.3	1.1
MM-0649	Chip-Channel	1.50	0.594	1.40	1,065	12	0.3	47	8	0.4	1.3
MM-0650	Chip-Channel	1.50	1.190	4.44	1,315	20	0.6	131	14	1.7	7.6
MM-0651	chip	1.30	0.051	0.35	649	7	0.4	2	11	0.2	0.0
MM-0652	Chip	2.00	0.289	32.90	63	14,400	0.2	4	2	1.7	0.5
MM-0653	Chip	2.00	0.024	2.17	38	1,220	0.1	4	2	0.9	0.2
MM-0654	Chip	1.10	0.046	0.23	26	11	0.1	6	2	0.4	0.3
MM-0655	Chip	1.60	0.529	3.67	795	157	10.2	25	50	4.8	1.6
MM-0656	Chip	2.00	0.115	1.23	96	15	0.2	19	9	0.4	0.7
MM-0657	Chip	1.00	0.955	2.33	1,440	12	0.7	30	25	0.4	1.5
MM-0658	Chip	0.90	0.091	1.51	991	8	0.3	32	15	0.4	0.3
MM-0659	Chip	2.00	0.047	0.55	41	34	0.2	14	21	1.1	1.0
MM-0660	Chip	1.80	0.328	4.27	1,345	258	0.5	16	290	1.7	3.3
MM-0661	Chip	1.80	0.273	1.02	299	179	2.0	13	146	2.3	2.1
MM-0662	Chip	2.00	0.237	0.95	388	190	0.6	16	37	4.3	2.5
MM-0663	Chip	1.50	0.222	1.14	632	211	0.7	10	93	4.1	3.1
MM-0664	Chip	1.70	0.174	2.62	1,290	153	0.8	16	118	3.0	6.2
MM-0665	Chip	1.50	0.176	5.19	900	184	1.9	5	66	3.2	2.9
MM-0666	Chip	1.50	0.103	0.60	124	48	0.1	11	17	2.3	1.3
MM-0667	Chip	1.50	0.135	0.72	77	37	0.6	6	18	3.1	2.0
MM-0668	Chip	1.60	1.025	192.00	9,340	3,810	9.2	2	619	9.6	20.8
MM-0669	Chip	1.60	0.140	7.93	267	79	5.2	7	20	3.5	2.0
MM-0670	Chip	1.30	0.781	2.41	280	26	1.2	5	11	1.2	4.4
MM-0672	Chip	1.80	1.270	1.17	204	7	1.6	2	12	2.3	5.6
MM-0673	Chip	1.80	0.189	0.35	69	8	0.3	4	4	0.8	2.1
MM-0674	Chip	1.00	0.036	2.09	16	18	0.1	3	2	0.6	0.1
MM-0675	Chip	1.60	0.061	1.01	153	14	0.5	2	15	2.4	0.4
MM-0676	Selective	2.10	0.012	0.11	796	22	0.1	3	9	0.3	0.2
MM-0677	Chip	1.50	0.051	0.39	361	65	0.2	37	27	0.6	1.4
MM-0678	Chip	2.00	0.050	0.94	664	12	0.3	35	24	0.2	0.4

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-0679	Chip	1.80	0.016	0.87	262	29	0.1	4	5	2.8	0.5
MM-0680	Chip	1.70	5.130	3.22	2,960	9	5.4	52	59	0.4	7.1
MM-0681	Chip	1.20	0.047	1.13	635	13	2.3	58	19	2.0	3.5
MM-0682	Chip	1.60	0.107	5.58	40	4	0.2	1	7	1.1	0.8
MM-0683	Chip	1.90	0.559	4.56	57	5	0.3	3	25	5.6	3.3
MM-0684	Chip	1.60	0.008	0.37	79	4	0.4	24	10	0.6	1.3
MM-0685	Chip	1.70	0.011	1.57	93	13	0.0	4	4	0.2	0.2
MM-0686	Chip	1.80	0.012	1.60	94	14	0.0	4	4	0.2	0.2
MM-0687	Chip	1.40	0.038	2.34	208	19	0.0	23	6	0.2	0.2
MM-0688	Chip	1.40	0.015	1.51	236	10	0.5	2	3	2.9	2.3
MM-0689	Chip	2.00	0.000	0.05	261	15	0.0	2	2	1.9	0.2
MM-0690	Chip	1.50	2.390	4.13	919	12	0.9	41	11	0.7	6.9
MM-0692	Chip	1.10	0.360	2.91	761	18	0.2	39	12	1.7	2.9
MM-0693	Chip	1.80	1.720	13.35	871	11	1.0	171	88	0.6	5.5
MM-0694	Chip	2.00	0.259	1.66	723	21	0.2	56	16	0.6	1.3
MM-0695	Chip	1.10	0.184	0.76	407	11	0.1	34	11	0.3	1.3
MM-0696	Selective	5.00	0.016	0.42	4	371	0.3	4	0	1.7	0.1
MM-0697	Chip	2.00	0.925	6.99	613	20	0.4	44	17	0.3	2.5
MM-0698	Chip	2.00	0.168	1.32	802	9	0.5	19	10	0.4	1.0
MM-0699	Chip	1.20	0.068	0.37	948	10	0.1	7	6	0.3	0.6
MM-0742	Chip-Channel	0.90	0.030	0.19	134	6	0.0	3	2	0.3	0.3
MM-0743	Chip-Channel	0.90	0.053	39.20	87	8,250	0.9	88	3	20.7	8.2
MM-0744	Chip-Channel	1.70	0.086	4.14	169	56	0.7	3	4	0.8	0.6
MM-0745	Chip-Channel	1.10	0.038	0.22	39	23	0.1	2	7	0.4	0.9
MM-0746	Chip-Channel	1.10	0.126	0.56	358	6	0.1	22	30	0.2	0.0
MM-0747	Chip-Channel	1.20	0.219	4.83	126	7	0.2	3	4	0.6	0.1
MM-0748	Chip-Channel	1.20	0.324	1.96	316	14	0.3	33	86	1.2	4.2
MM-0749	Chip-Channel	1.10	0.096	0.67	111	8	0.2	5	5	1.6	2.4
MM-0901	Chip	1.90	0.130	0.55	399	6	0.0	5	3	0.1	0.3
MM-0902	Chip	1.50	2.410	6.14	2,610	5	0.4	87	30	0.5	3.0
MM-0903	Chip	1.00	1.655	9.11	1,400	31	3.2	142	78	0.6	5.9
MM-0904	Chip	2.00	0.060	1.14	306	47	0.5	14	48	1.9	1.6
MM-0905	Chip	2.00	0.222	46.70	221	31	2.4	151	55	7.5	3.3
MM-0906	Chip	1.00	1.265	3.16	2,780	10	7.1	49	57	0.2	0.7
MM-0907	Chip	1.40	2.130	15.05	3,830	18	5.4	61	60	0.4	2.2
MM-0908	Chip	2.00	0.191	20.90	378	83	0.9	9	147	2.9	2.4
MM-0909	Chip	1.80	0.231	6.52	336	140	0.5	48	103	2.7	1.6
MM-0910	Chip	1.00	0.794	3.07	1,815	15	4.2	21	64	0.2	0.2
MM-0911	Chip	0.80	0.421	0.88	3,940	27	7.9	10	202	0.3	0.1
MM-0912	Chip	1.40	1.005	0.64	1,180	7	0.7	9	16	0.5	0.3
MM-0913	Chip	1.44	0.216	0.99	1,645	26	7.0	11	45	0.3	0.2
MM-0914	Chip	2.00	0.527	0.53	2,780	10	6.5	10	107	0.1	0.2
MM-0915	Chip	2.00	0.023	0.26	887	4	0.2	5	14	0.2	0.0

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MM-0916	Chip	2.00	0.033	3.19	114	4	0.2	3	10	2.0	0.8
MM-0917	Chip	2.00	0.019	0.56	137	4	0.4	5	5	1.9	0.9
MM-0918	Chip	2.00	0.020	0.20	90	2	0.1	3	2	0.5	0.3
MM-0920	Chip	2.00	0.021	0.17	129	4	0.1	2	1	0.5	0.6
MM-0921	Chip	2.00	0.358	0.11	1,410	14	0.5	7	22	0.3	0.1
MM-0922	Chip	1.65	0.355	1.57	769	200	1.2	11	105	2.8	2.2
MM-0923	Chip	1.30	0.267	4.14	1,140	188	1.5	27	107	11.4	2.3
MM-0924	Chip	2.00	0.011	0.07	40	15	0.1	2	1	0.5	0.0
MM-0925	Chip	2.00	0.047	0.09	211	26	0.3	4	4	0.7	0.0
MM-0926	Chip	2.00	1.470	0.61	1,825	16	0.5	12	13	0.5	1.1
MM-0927	Chip	1.60	0.698	0.40	1,705	27	0.3	21	13	0.8	1.0
MM-0928	Chip	2.00	0.043	0.07	273	18	0.1	6	2	0.7	0.0
MM-0929	Chip	2.00	0.089	1.04	1,525	27	0.1	9	13	0.8	0.1
MM-0930	Chip	2.00	0.136	0.07	757	28	0.2	19	9	0.5	0.0
MM-0931	Chip	1.70	2.900	3.34	1,385	22	3.2	24	23	1.2	3.9
MM-0932	Chip	2.00	0.098	0.19	373	13	0.2	8	4	0.8	0.2
MM-0933	Chip	1.70	0.441	8.45	446	40	0.1	20	9	1.2	1.2
MM-0934	Chip	2.00	0.481	0.53	929	22	0.1	12	7	0.7	0.2
MM-0935	Chip	0.90	0.081	1.78	746	8	0.1	72	16	0.3	0.2
MM-0936	Chip	1.90	0.163	2.17	717	11	0.3	68	15	0.3	0.1
MM-0937	Chip	1.90	1.235	1.18	1,965	20	1.0	22	13	0.9	1.3
MM-0938	Chip	2.00	0.542	1.74	853	13	2.5	41	22	0.5	0.8
MM-0940	Chip	2.00	0.709	2.56	1,455	10	0.2	30	10	0.3	1.8
MM-0941	Chip	2.00	0.078	0.21	782	18	0.2	5	8	0.5	0.3
MM-0942	Chip	2.00	0.065	0.27	213	10	0.2	8	3	0.8	0.9
MM-0943	Chip	2.00	0.085	0.28	536	8	0.2	9	5	0.5	0.3
MM-0944	Chip	1.80	0.021	0.36	154	11	0.1	5	1	0.6	1.0
MM-0945	Chip	2.10	0.003	0.21	74	7	0.1	3	0	0.5	0.5
MM-0946	Chip	1.20	0.003	0.12	123	7	0.1	5	0	0.6	1.0
MM-0947	Chip	1.20	0.003	0.13	387	10	0.1	4	1	0.8	1.7
MM-0948	Chip	2.00	0.005	0.20	104	7	0.1	2	1	0.8	0.8
MM-0949	Chip	1.90	0.003	0.25	163	10	0.2	3	1	1.5	1.4
MM-1126	Chip	2.00	0.005	0.03	33	3	0.1	2	2	0.2	0.0
MM-1127	Chip	1.80	0.014	0.04	3	6	0.0	7	2	1.8	0.0
MM-1128	Chip	0.80	0.017	0.19	8	22	0.0	2	1	2.7	0.1
MM-1129	Chip	2.00	0.017	0.13	9	24	0.0	5	1	3.5	0.3
MM-1130	Chip		0.035	0.06	21	74	0.0	21	3	10.3	0.3
MM-1131	Chip	1.91	0.042	1.47	10	1,290	0.0	1	0	0.3	0.1
MM-1132	Chip	1.52	0.013	0.91	4	625	0.0	1	0	0.2	0.0
MM-1133	Chip	1.10	0.019	0.10	30	48	0.0	2	4	2.7	0.2
MM-1134	Chip	1.70	0.027	0.19	21	38	0.0	3	3	2.0	0.2
MM-1135	Chip	1.00	0.027	0.06	12	61	0.0	3	1	2.2	0.2
MM-1136	Chip	1.40	0.073	0.25	262	437	0.1	11	29	2.7	3.1

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MM-1137	Chip	1.33	0.030	2.85	224	77	0.1	4	17	2.6	1.9
MM-1138	Chip	1.40	0.190	0.41	68	85	0.1	2	5	3.0	1.0
MM-1140	Chip	1.40	0.014	1.75	58	20	0.2	9	53	0.7	0.5
MM-1141	Chip	1.43	0.019	1.01	14	37	0.0	1	2	1.2	0.4
MM-1142	Chip	1.65	0.044	0.21	29	39	0.0	1	3	1.6	0.7
MM-1143	Chip	1.80	0.019	1.08	22	30	0.2	3	1	4.4	0.5
MM-1144	Chip	1.50	0.027	0.63	262	50	0.3	2	18	3.6	1.7
MM-1146	Chip	1.35	0.041	1.28	13	37	0.0	1	4	4.8	0.3
MM-1147	Chip	1.10	0.131	0.32	59	27	0.0	1	11	3.3	1.1
MM-1148	Chip	1.42	0.044	0.19	29	16	0.0	1	5	1.0	0.6
MM-1149	Chip	1.35	0.034	0.55	9	37	0.0	1	1	1.9	0.4
MM-1150	Chip		0.031	1.60	27	35	0.0	2	3	1.7	0.5
MM-1151	Chip	1.30	0.091	1.44	364	45	0.6	1	8	1.6	0.8
MM-1152	Chip	1.20	0.008	1.76	7	3,990	0.0	2	3	0.5	0.1
MM-1153	Chip	1.05	0.011	1.99	8	2,420	0.0	1	2	0.4	0.1
MM-1154	Chip	2.00	0.072	14.25	72	418	0.1	76	9	0.7	2.9
MM-1155	Chip	1.30	0.005	0.13	3	35	0.0	3	1	0.3	0.0
MM-1156	Chip	1.80	0.232	2.23	61	97	0.3	14	4	0.3	0.1
MM-1157	Chip	1.70	0.047	0.23	44	28	0.0	8	1	2.2	0.0
MM-1159	Chip	1.10	0.078	8.93	36	801	0.2	7	1	0.9	0.8
MM-1160	Chip	1.40	0.046	8.56	18	311	0.2	2	1	0.3	0.1
MM-1161	Chip	1.20	0.069	4.59	39	893	0.2	5	1	0.4	0.2
MM-1162	Chip	1.30	0.053	1.60	9	193	0.1	8	1	0.2	0.1
MM-1163	Chip	1.50	0.058	2.34	21	304	0.1	6	1	0.2	0.2
MM-1164	Chip	1.40	4.950	10.90	52	468	0.2	14	1	0.6	1.7
MM-1165	Chip	1.00	0.054	4.68	22	190	0.1	11	1	0.4	0.5
MM-1166	Chip	1.30	0.398	10.80	25	273	0.3	10	1	0.5	1.4
MM-1167	Chip	1.00	3.550	60.50	38	2,150	4.1	18	4	6.5	2.3
MM-1168	Chip	1.20	0.261	2.72	36	541	0.1	6	0	0.7	0.6
MM-1169	Chip	1.40	0.085	3.19	30	1,470	0.3	4	1	1.3	0.8
MM-1170	Chip	2.40	0.031	0.44	9	12	0.0	1	1	4.0	0.0
MM-1171	Chip	2.00	0.018	0.33	46	9	0.0	1	1	2.6	0.0
MM-1172	Chip	2.30	0.019	0.30	6	5	0.0	4	1	9.9	0.1
MM-1173	Chip	1.40	0.370	2.93	425	11	0.2	74	17	1.2	1.0
MM-1174	Chip	2.20	0.028	1.27	60	29	0.0	24	8	1.6	0.2
MM-1175	Chip	1.50	0.025	0.75	7	4	0.1	15	4	0.7	0.1
MM-1176	Chip	1.10	0.041	0.91	20	4	0.0	8	3	0.5	0.3
MM-1177	Chip	1.90	0.012	0.28	28	9	0.0	9	2	2.3	0.1
MM-1179	Chip	2.30	0.012	1.13	13	23	0.0	2	6	2.8	0.2
MM-1180	Chip	2.30	0.016	1.98	96	31	0.0	5	5	2.3	0.4
MM-1181	Chip	2.00	0.006	0.34	22	10	0.0	4	2	1.8	0.2
MM-1182	Chip	1.20	0.006	0.30	19	11	0.0	2	2	2.8	0.2
MM-1183	Chip	2.35	0.010	0.64	5	7	0.0	5	2	3.8	0.1

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MM-1184	Chip	2.40	0.008	0.76	6	7	0.0	4	1	2.6	0.1
MM-1185	Chip	2.00	0.016	0.59	22	79	0.0	6	9	2.5	0.3
MM-1186	Chip	1.50	0.508	5.83	37	14	0.1	38	7	0.9	1.7
MM-1187	Chip	1.10	0.008	0.66	12	6	0.0	13	2	1.0	0.3
MM-1188	Chip	1.60	0.190	6.31	78	9	0.1	50	12	2.8	1.1
MM-1189	Chip	1.40	0.754	0.63	52	35	0.2	49	19	5.1	1.2
MM-1190	Chip	1.50	0.200	2.37	445	17	0.1	6	2	2.1	0.2
MM-1191	Chip	1.70	0.016	0.75	31	8	0.0	5	1	1.7	0.1
MM-1192	Chip	1.05	0.780	11.20	897	28	0.4	116	20	0.9	4.5
MM-1193	Chip	2.10	0.825	2.66	737	5	0.2	61	15	0.7	2.4
MM-1194	Chip	1.00	0.743	2.68	1,240	16	0.1	13	9	0.6	2.3
MM-1195	Chip	2.00	0.104	0.76	566	15	0.0	5	6	0.1	0.1
MM-1196	Chip	1.20	1.475	4.17	725	5	0.2	67	16	0.2	4.9
MM-1197	Chip	2.00	1.310	18.70	779	19	0.7	44	19	0.5	7.6
MM-1198	Chip	1.50	1.345	3.84	480	9	0.2	21	6	0.3	4.0
MM-1199	Chip	1.50	0.257	12.50	202	72	0.1	4	19	0.6	0.8
MM-1200	Chip	1.50	0.026	0.77	64	40	0.3	50	22	4.6	0.5
MM-1301	Chip	1.50	0.015	0.18	39	24	0.0	8	5	0.4	0.0
MM-1302	Chip	0.20	0.156	1.17	113	157	0.2	18	6	0.8	1.0
MM-1303	Chip	2.00	0.060	0.15	116	21	0.2	2	3	0.3	0.0
MM-1304	Chip	1.30	2.300	1.69	1,635	11	0.9	11	28	1.8	0.1
MM-1305	Chip	1.70	1.025	0.43	2,810	5	0.8	15	38	0.3	0.0
MM-1306	Chip	1.50	0.100	0.35	293	6	0.2	15	8	0.2	0.1
MM-1307	Chip	1.40	1.310	1.72	504	13	0.9	21	32	0.3	0.4
MM-1308	Chip	1.80	31.800	16.90	958	10	2.1	77	31	0.7	5.5
MM-1309	Chip	0.40	0.216	5.48	311	20	0.8	58	19	0.6	0.5
MM-1310	Chip	0.40	6.200	11.80	282	5	0.6	75	26	0.4	4.1
MM-1311	Chip	2.00	1.320	27.40	130	8	0.9	92	31	2.2	1.8
MM-1312	Chip	2.00	12.250	226.00	1,125	26	3.1	132	73	2.6	3.2
MM-1313	Chip	2.00	0.079	0.65	359	7	0.1	6	5	0.1	0.0
MM-1314	Chip	0.50	0.743	9.55	352	10	0.2	56	13	0.3	1.0
MM-1315	Chip	0.50	0.754	3.80	2,170	8	1.3	52	70	0.4	1.3
MM-1316	Chip	1.50	7.030	38.10	1,180	10	3.3	56	68	1.0	9.0
MM-1317	Chip	1.60	6.690	30.40	1,090	10	3.4	64	61	1.0	8.6
MM-1318	Chip	1.90	4.520	17.85	2,080	16	7.0	62	91	0.9	5.0
MM-1319	Chip	1.70	6.860	9.13	2,330	9	2.7	38	74	0.6	5.2
MM-1320	Chip	2.00	8.720	37.90	2,510	38	4.0	120	82	1.1	8.6
MM-1321	Chip	1.80	1.970	11.15	2,260	32	5.9	68	54	0.7	3.2
MM-1322	Chip	1.30	0.251	10.40	473	21	0.8	107	27	4.0	2.7
MM-1323	Chip	1.40	0.485	0.55	1,650	12	0.8	14	13	0.3	0.3
MM-1324	Chip	2.00	12.600	4.30	4,840	16	6.1	54	64	0.8	7.2
MM-1325	Chip	1.60	0.081	2.71	196	15	0.1	29	14	1.7	3.0
MM-1326	Chip	1.80	0.011	2.88	119	7	0.4	9	33	2.1	2.9

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MM-1327	Chip	2.00	0.438	1.18	293	11	0.2	25	10	0.9	1.6
MM-1328	Chip	1.50	1.545	4.24	326	42	1.1	54	39	2.6	3.1
MM-1330	Chip	2.00	0.017	0.41	145	2	0.0	3	10	0.3	1.7
MM-1331	Chip	2.00	1.460	7.22	249	20	2.6	40	26	1.8	3.0
MM-1332	Chip	1.60	11.100	47.20	4,060	36	10.2	109	79	2.4	18.4
MM-1333	Chip	1.60	2.120	15.45	3,170	13	3.6	80	131	0.5	4.4
MM-1334	Soil		0.031	0.21	278	8	0.0	2	2	0.5	0.1
MM-1335	Chip	1.30	0.331	1.49	682	15	0.1	11	8	0.3	0.4
MM-1336	Chip	1.90	0.348	3.95	260	53	0.8	103	54	0.8	1.6
MM-1337	Chip	1.70	0.119	5.12	156	20	0.4	16	11	1.3	0.8
MM-1338	Chip	1.30	0.671	3.94	815	68	1.2	53	32	2.4	2.6
MM-1339	Chip	1.70	0.063	0.50	473	20	0.1	18	6	0.4	0.2
MM-1340	Chip	1.30	0.061	3.07	831	28	0.0	9	4	0.2	0.2
MM-1341	Chip	1.40	0.022	0.16	128	20	0.0	2	2	0.3	0.0
MM-1342	Chip	1.70	0.111	0.62	245	4	0.1	35	4	0.4	0.3
MM-1343	Chip	1.10	9.540	35.00	4,870	34	5.4	365	313	0.8	48.8
MM-1344	Chip	1.65	1.925	7.69	1,570	11	0.3	57	33	0.8	6.1
MM-1345	Chip	1.10	0.418	22.70	3,690	134	2.7	39	819	2.8	5.3
MM-1346	Chip	1.70	0.084	4.16	178	9	0.7	8	17	0.6	0.5
MM-1347	Chip	1.85	0.056	1.03	459	20	0.1	12	7	0.5	0.3
MM-1348	Chip	1.30	0.948	3.59	1,860	21	0.5	28	14	0.8	5.0
MM-1349	Chip	1.60	0.021	0.25	251	13	0.0	7	4	0.4	0.1
MM-1350	Chip	2.00	0.195	0.87	1,250	25	0.7	71	39	0.6	0.6
MM-1351	Chip	2.00	0.051	0.68	277	16	0.3	11	9	0.3	0.3
MM-1408	Chip	2.00	1.685	1.72	2,070	6	0.7	24	19	0.3	4.2
MM-1409	Chip	1.50	0.010	0.15	246	6	0.1	4	4	0.1	0.0
MM-1410	Chip	2.00	0.107	0.05	213	4	0.0	1	1	0.4	0.6
MM-1411	Chip		0.313	26.60	357	81	0.5	4	8	10.9	2.3
MM-1412	Chip		0.557	2.02	88	40	0.2	2	12	6.0	1.9
MM-1413			0.008	1.90	116	3	0.1	7	2	1.8	1.7
MM-1414	Chip		0.019	0.57	165	7	0.0	5	2	1.6	0.5
MM-1415	Chip	1.30	0.373	1.24	86	47	0.3	55	7	13.5	1.3
MM-1416	Chip	1.60	0.033	0.69	44	9	0.0	10	3	2.0	0.4
MM-1417	Chip	1.80	0.125	0.56	191	37	0.0	52	55	1.5	3.4
MM-1418	Chip	2.00	0.231	0.52	459	58	0.1	36	239	3.3	8.9
MM-1419	Chip		2.590	5.28	316	9	0.1	5	40	3.9	1.9
MM-1420	Chip	1.00	0.162	2.28	41	25	0.1	2	12	2.2	2.1
MM-1421	Chip	1.20	0.333	6.71	163	125	0.3	3	139	5.1	2.8
MM-1422	Chip	1.00	0.095	0.30	149	5	0.0	9	4	0.2	0.4
MM-1423	Chip		0.413	3.03	596	9	0.5	109	35	1.5	2.4
MM-1424	Chip	1.00	0.060	1.26	49	20	2.0	1	16	1.4	0.3
MM-1425	Chip	2.00	0.165	0.54	117	6	0.1	17	18	0.5	0.1
MM-1426	Chip		0.037	0.49	60	5	0.6	3	12	0.5	0.1

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-1427	Chip	2.00	0.061	0.28	99	15	0.1	32	6	1.2	0.7
MM-1428	Chip	2.00	0.806	41.90	203	40	2.9	4	36	2.8	3.5
MM-1429	Chip	1.50	2.770	5.90	97	92	0.5	1	21	4.3	2.2
MM-1430	Chip	0.80	0.252	11.10	73	9	0.1	41	24	0.7	1.2
MM-1431	Chip	2.00	0.246	1.88	138	47	0.4	11	12	2.4	3.0
MM-1432	Chip	2.00	0.115	3.26	109	57	0.0	3	2	0.6	0.8
MM-1433	Chip	1.40	0.063	3.35	84	45	0.0	5	5	0.6	0.3
MM-1434	Chip	2.00	0.051	2.26	40	18	0.1	7	3	3.6	0.4
MM-1435	Chip	2.00	0.020	1.52	41	6	0.1	14	4	2.7	0.3
MM-1436	Chip	1.50	0.107	1.79	72	8	0.0	14	2	2.8	0.4
MM-1437	Chip	1.50	0.079	1.56	102	13	0.0	2	3	1.2	0.3
MM-1438	Chip	1.20	0.134	1.26	25	17	0.1	14	8	2.6	0.7
MM-1439	Chip	2.00	0.012	0.18	60	5	0.0	3	1	2.6	1.6
MM-1440	Chip	2.00	0.770	2.53	438	24	0.2	73	15	0.4	0.6
MM-1441	Chip	1.50	0.024	0.55	35	5	0.0	4	1	0.2	0.3
MM-1442	Chip	2.00	0.879	3.40	283	9	0.1	14	5	0.9	0.5
MM-1443	Chip	2.00	0.044	0.56	27	12	0.0	2	1	2.4	0.2
MM-1444	Float		0.014	1.77	14	7	0.1	10	1	0.9	0.1
MM-1445	Chip	2.00	0.018	0.20	28	13	0.0	2	2	1.6	0.1
MM-1446	Chip	2.00	0.010	0.37	13	17	0.0	10	3	2.1	0.1
MM-1447	Chip	2.00	0.015	0.56	16	40	0.0	11	1	4.1	0.3
MM-1448	Chip	2.00	0.017	0.59	119	25	0.0	9	1	2.7	0.2
MM-1449	Chip	2.00	0.086	0.89	55	13	0.1	2	13	3.1	0.5
MM-1450	Chip	0.80	0.044	0.89	48	18	0.3	17	2	3.2	0.1
MM-1451	Chip	0.70	0.084	3.71	56	63	0.3	3	22	3.3	0.4
MM-1452	Chip	0.90	0.075	1.61	112	78	0.0	13	5	1.1	0.2
MM-1453	Chip	1.00	0.123	1.19	73	124	0.0	11	4	1.3	0.2
MM-1454	Chip		0.939	14.00	394	22	2.7	16	17	2.2	8.0
MM-1455	Chip	2.00	0.109	14.45	286	103	2.6	58	719	1.7	7.4
MM-1456	Chip	1.60	0.012	1.22	56	8	0.2	3	9	1.2	0.7
MM-1457	Chip	2.00	0.019	0.20	59	10	0.1	3	1	0.5	0.1
MM-1458	Chip	2.00	0.242	0.63	1,020	13	0.1	5	16	0.6	0.4
MM-1459	Chip	2.00	0.052	0.52	245	7	0.1	11	6	0.3	0.1
MM-1460	Chip	2.00	0.113	0.33	635	16	0.4	7	11	0.6	0.4
MM-1461	Chip	2.00	0.067	0.16	649	19	0.1	4	13	0.5	0.0
MM-1462	Chip	2.00	0.130	0.66	489	7	0.2	10	7	0.3	0.1
MM-1463	Chip	2.00	0.034	0.24	465	12	0.1	6	9	0.4	0.0
MM-1464	Chip	2.00	0.016	1.22	365	23	0.1	5	5	1.7	0.9
MM-1465	Chip	2.00	0.122	7.94	368	16	1.9	4	12	5.8	2.7
MM-1466	Chip	2.00	0.038	0.16	164	43	0.1	7	6	0.7	1.0
MM-1467	Chip	2.00	0.000	0.16	109	9	0.0	2	8	0.8	0.4
MM-1468	Chip	2.00	0.169	3.73	153	20	6.5	9	59	4.0	2.6
MM-1469	Chip	2.00	0.016	0.20	114	7	0.2	5	4	1.2	0.6

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MM-1470	Chip	2.00	0.057	1.69	81	6	0.2	5	8	1.8	0.7
MM-1471	Chip	2.00	0.130	1.91	338	265	0.4	21	179	1.3	2.5
MM-1472	Chip	2.00	0.260	1.27	39	159	0.1	10	16	2.1	1.7
MM-1473	Chip	2.00	0.014	0.09	106	17	0.2	1	8	1.1	0.1
MM-1474	Chip	2.00	0.047	8.96	144	13	0.9	3	10	2.5	1.0
MM-1475	Chip	2.00	0.067	0.35	124	41	0.1	3	4	1.4	0.2
MM-1476	Chip	2.00	0.019	0.11	104	36	0.0	2	3	0.7	0.0
MM-1477	Chip	2.00	0.271	0.95	93	9	0.2	3	60	0.5	0.1
MM-1478	Chip	2.00	0.038	0.17	421	9	0.3	3	9	0.3	0.0
MM-1479	Chip	2.00	0.035	0.08	34	15	0.1	0	1	0.4	0.0
MM-1480	Chip	2.00	0.216	0.65	1,290	13	0.3	34	23	0.4	0.2
MM-1481	Chip	2.00	0.035	0.36	165	16	0.1	15	8	0.5	0.4
MM-1482	Chip	2.00	0.546	2.58	125	10	0.5	26	43	0.6	1.7
MM-1483	Chip	2.00	0.019	0.07	155	13	0.1	2	4	0.9	0.8
MM-1484	Chip	2.00	0.058	0.56	193	12	0.2	9	5	0.4	0.1
MM-1801	Chip-Channel	1.50	0.122	3.58	65	14	0.3	6	15	0.4	2.6
MM-1802	Chip-Channel	1.50	5.430	26.70	3,280	475	144.5	6	3,250	37.4	106.0
MM-1803	Chip-Channel	1.60	1.165	4.27	1,350	308	39.9	6	723	19.3	20.0
MM-1804	Chip-Channel	1.60	0.151	0.23	264	93	2.9	3	42	7.4	2.3
MM-1805	Chip-Channel	1.20	0.168	1.05	138	35	3.6	6	72	2.9	2.6
MM-1806	Chip-Channel	1.60	0.069	0.35	106	64	1.1	5	28	3.0	1.7
MM-1807	Chip-Channel	1.30	0.303	0.73	182	49	1.2	7	108	3.7	1.1
MM-1809	Chip-Channel	2.00	1.100	1.11	2,570	407	2.1	6	318	15.2	9.3
MM-1810	Chip-Channel	1.20	0.068	39.30	95	8,010	1.4	88	6	19.9	8.6
MM-1811	Chip-Channel	1.50	0.751	3.91	1,260	34	0.4	38	10	0.6	2.2
MM-1812	Chip	2.00	0.031	2.04	48	100	0.1	5	3	1.6	0.9
MM-1813	Chip	2.00	0.003	0.06	67	7	0.0	2	2	0.3	0.3
MM-1814	Chip	2.00	0.008	0.11	115	65	0.2	1	2	0.4	0.0
MM-1815	Chip	2.00	0.003	0.03	86	8	0.1	1	2	0.2	0.0
MM-1816	Chip	2.00	0.003	0.05	138	7	0.0	3	2	0.1	0.0
MM-1817	Chip	1.50	0.003	0.07	33	4	0.0	2	1	0.1	0.1
MM-1818	Chip	2.00	0.003	0.07	128	6	0.0	2	1	0.3	0.2
MM-1819	Chip	2.00	0.003	0.03	68	7	0.0	4	1	0.2	0.1
MM-1821	Chip	2.00	0.003	0.06	9	5	0.0	3	1	0.3	0.3
MM-1822	Chip	2.00	0.006	0.06	21	8	0.0	1	1	0.6	0.2
MM-1823	Chip	2.00	0.012	0.83	455	319	0.9	4	27	1.2	4.8
MM-1824	Chip	2.00	0.018	0.21	470	7	0.2	1	6	0.6	0.2
MM-1825	Chip	2.00	0.123	2.20	313	158	2.2	3	21	0.8	0.9
MM-1826	Chip	2.00	0.003	0.04	269	10	0.1	2	3	0.5	1.3
MM-1827	Chip	2.00	0.003	0.04	489	9	0.0	2	7	0.3	0.7
MM-1828	Chip	2.00	0.053	0.13	85	39	0.1	21	5	3.1	0.4
MM-1829	Chip	2.00	0.209	0.19	85	45	0.3	2	32	5.9	0.7
MM-1830	Chip	1.50	0.065	8.20	45	10	0.6	6	23	1.8	0.5

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MM-1831	Chip	2.00	0.407	13.15	451	107	1.0	11	83	5.2	1.6
MM-1832	Chip	1.70	0.162	5.09	308	36	1.3	10	9	3.3	3.0
MM-1833	Chip	1.20	0.133	1.47	1,315	41	0.5	42	12	0.9	0.3
MM-1834	Chip	2.00	0.315	1.53	2,040	465	0.6	49	50	1.3	1.2
MM-2434	Grab		2.050	12.85	337	30	0.5	73	10		4.4
MM-2435	Grab		0.673	7.62	108	12	1.2	3	9		3.4
MM-2436	Grab		22.800	46.70	7,300	12,600	353.0	7	1,435		61.8
MM-2437	Grab		0.116	3.70	80	50	1.7	19	12		0.5
MM-2438	Grab		0.154	3.39	309	38	0.9	1	4		1.4
MM-2439	Grab		0.020	0.87	155	13	0.8	56	45		6.5
MM-2440	Grab		0.026	0.40	36	34	0.2	2	3		1.0
MM-2441	Grab		0.014	4.20	46	14	0.3	5	2		0.4
MM-2442	Grab		0.007	5.03	7	7	0.2	2	7		0.1
MM-2443	Grab		0.016	0.72	20	144	0.1	9	5		0.2
MM-2444	Grab		0.069	0.28	54	20	0.1	4	0		0.0
MM-2445	Grab		0.005	0.03	35	4	0.0	0	1		0.0
MM-2446			0.029	0.42	234	28	0.2	7	6		0.1
MM-2447	Grab		-0.005	0.12	14	5	0.2	0	1		0.4
MM-2448	Grab		6.530	101.00	>10,000	46,800	43.3	8	9,540		3.9
MM-2449	Chip	1.25	0.046	0.50	318	213	0.5	3	27		0.0
MM-2450	Grab		0.165	2.61	121	159	0.2	3	20		0.3
MM-2451	Grab		0.087	1.01	33	53	0.1	6	2		0.0
MM-2452	Grab		0.055	0.98	156	211	0.6	3	64		0.4
MM-2453	Grab		0.575	0.56	466	47	0.4	23	36		3.1
MM-2454	Grab		0.265	2.16	179	23	0.8	57	35		1.3
MM-2455	Grab		0.005	0.05	22	10	0.0	2	1		0.5
MM-2469	Chip	2.00	0.254	4.66	101	119	1.5	1	4	41.0	1.9
MM-2470	Chip	2.00	0.054	1.08	145	24	3.0	1	4	5.4	1.8
MM-2471	Chip	1.00	0.077	0.19	71	20	0.1	1	3	3.3	1.1
MM-2472	Chip	2.00	0.055	0.31	29	12	0.2	3	2	4.0	0.7
MM-2473	Chip	2.00	1.355	2.04	152	85	0.3	2	22	2.3	3.8
MM-4001	Dump		11.350	82.70	250	188	1.9	15	21	6.1	1.1
MM-4002	Chip	2.40	0.127	2.64	251	7	0.2	23	4	0.6	0.1
MM-4003	Float		0.267	5.84	242	29	1.0	24	49	4.2	2.6
MM-4004	Float		0.518	6.75	78	116	0.3	7	10	1.2	1.2
MM-4005	Chip	1.00	0.581	15.30	1,525	17	3.9	59	32	0.3	2.3
MM-4006	Chip	2.20	0.855	3.02	2,080	6	10.1	32	49	0.3	2.0
MM-4007	Chip	0.40	5.140	51.70	4,320	62	19.3	173	333	1.0	7.9
MM-4008	Chip	2.15	0.492	2.72	4,880	38	10.1	38	182	0.2	0.5
MM-4009	Chip	2.20	0.146	1.71	1,405	14	1.4	27	27	0.2	0.2
MM-4010	Chip	1.70	0.011	0.16	202	10	0.2	4	4	0.2	0.0
MM-4011	Chip	2.00	0.228	0.55	1,460	18	0.3	103	25	0.4	1.1
MM-4012	Chip	1.50	1.195	3.52	1,855	8	1.9	43	94	0.3	1.3

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MM-4013	Chip	2.00	0.283	3.82	550	14	1.0	41	13	1.1	1.2
MM-4014	Dump		6.820	307.00	240	65	4.2	15	131	4.6	2.9
MM-4026	Channel	2.00	0.895	7.84	1,150	19	1.2	21	27	0.2	0.4
MM-4027	Channel	2.00	0.887	2.27	1,140	14	1.0	22	22	0.4	0.2
MM-4028	Channel	2.00	0.312	0.64	1,630	18	0.5	25	28	0.3	0.1
MM-4029	Channel	2.00	0.337	0.45	1,620	14	0.5	39	23	0.2	0.1
MM-4030	Channel	2.00	0.087	0.29	760	12	0.3	28	16	0.2	0.2
MM-4031	Channel	2.00	0.053	0.19	784	14	0.9	49	32	0.2	0.0
MM-4032	Channel	2.00	0.036	0.09	256	11	0.2	22	8	0.2	0.1
MM-4033	Channel	2.00	0.021	0.13	157	8	0.3	19	8	0.2	0.0
MM-4034	Channel	2.00	0.061	0.18	397	11	1.6	33	17	0.2	0.2
MM-4035	Channel	2.00	0.054	0.71	403	10	0.5	34	12	0.2	0.2
MM-4036	Channel	2.00	0.074	0.32	353	9	0.3	20	10	0.2	0.2
MM-4037	Channel	2.50	0.175	0.65	560	14	0.4	37	15	0.3	0.5
MM-4038	Chip	2.30	0.132	0.73	1,275	14	0.1	21	20	0.3	0.3
MM-4039	Channel	1.70	0.225	2.81	2,160	13	3.1	92	137	0.4	0.9
MM-4040	Channel	2.00	0.607	3.92	1,540	14	6.1	85	159	0.4	1.5
MM-4041	Channel	2.00	0.657	2.70	3,050	6	3.9	76	155	0.4	1.0
MM-4042	Channel	2.00	1.650	3.14	3,310	6	3.3	66	150	0.3	1.6
MM-4043	Channel	2.00	0.334	0.44	758	4	0.6	12	17	0.2	0.4
MM-4044	Channel	2.00	0.104	0.99	1,080	5	1.8	22	53	0.1	0.4
MM-4045	Channel	2.00	0.622	1.10	2,330	7	1.8	60	91	0.3	1.2
MM-4046	Channel	2.00	0.144	0.41	437	6	0.3	8	7	0.2	0.2
MM-4047	Chip	2.00	5.030	22.40	4,880	34	10.6	253	378	1.1	11.7
MM-4048	Chip	0.80	1.700	4.13	244	29	6.6	4	96	4.1	5.9
MM-4049	Chip	2.30	0.085	0.62	64	6	1.0	3	6	5.9	2.1
MM-4050	Chip	1.90	0.181	0.58	111	8	0.2	2	8	1.9	2.8
MM-4053	Chip	1.70	1.120	9.12	1,000	12	0.1	38	20	0.4	2.5
MM-4054	Chip	2.00	0.163	0.49	714	8	0.3	16	17	0.2	0.1
MM-4055	Chip	1.10	0.749	1.60	1,750	8	4.5	42	103	0.3	0.5
MM-4056	Chip	2.15	0.047	0.34	266	12	0.0	8	3	0.6	0.1
MM-4057	Chip	2.00	0.225	3.61	438	12	0.3	26	8	3.1	1.7
MM-4058	Chip	2.00	1.105	0.80	928	9	2.3	30	20	0.2	0.3
MM-4059	Chip	1.20	1.025	0.77	1,460	26	0.2	28	22	0.4	0.4
MM-4060	Chip	2.00	0.267	0.36	1,300	27	0.1	14	13	0.3	0.2
MM-4061	Chip	2.00	0.077	3.48	257	16	1.8	16	22	2.3	1.8
MM-4062	Chip	1.50	0.037	0.69	476	9	0.1	5	7	0.1	0.0
MM-4063	Chip	2.50	0.162	1.00	1,100	13	0.1	10	13	0.2	0.1
MM-4601	Chip	N/A	0.003	0.02	28	1	0.0	5	2	2.5	0.4
MM-4602	Chip	N/A	0.003	0.02	38	3	0.1	9	3	3.5	0.6
MM-4603	Chip	N/A	0.003	0.13	18	14	0.1	5	0	3.8	0.3
MM-4604	Chip	N/A	0.005	0.03	8	9	0.0	12	3	7.4	0.3
MM-4605	Chip	N/A	0.008	0.02	34	13	0.0	26	10	8.2	0.2

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MM-4606	Chip	N/A	0.008	0.03	11	5	0.0	24	5	2.8	0.5
MM-4607	Chip	N/A	0.003	0.01	34	1	0.0	13	10	2.2	0.3
MM-4608	Chip	N/A	0.007	0.02	12	3	0.0	10	3	4.1	0.2
MM-4609	Chip	N/A	0.012	0.05	119	8	0.1	13	7	5.2	0.2
MM-4610	Chip	N/A	0.011	0.01	3	2	0.0	22	2	0.3	0.1
MM-4611	Chip	N/A	0.026	0.05	66	10	0.2	12	1	16.6	0.5
MM-4612	Chip	N/A	0.027	0.13	8	16	0.0	15	1	0.8	0.1
MM-4613	Chip	N/A	0.023	0.17	7	12	0.0	31	2	1.6	0.3
MM-4614	Chip	N/A	0.031	1.16	4	42	0.1	45	1	2.0	0.2
MM-4615	Chip	N/A	0.019	0.19	4	21	0.0	70	1	1.7	0.1
MM-4616	Chip	N/A	0.008	0.01	15	25	0.1	6	3	0.4	0.6
MM-4617	Chip	N/A	0.003	0.01	18	2	0.1	5	7	0.7	0.3
MM-4618	Chip	N/A	0.003	0.02	12	10	0.1	9	3	0.3	0.1
MM-4619	Chip	N/A	0.003	0.01	10	2	0.0	2	1	0.4	0.1
MM-4620	Chip	N/A	0.003	0.01	7	3	0.1	8	2	0.4	0.1
MM-4621	Chip	N/A	0.003	0.01	25	6	0.0	4	6	0.3	0.1
MM-4622	Chip	N/A	0.003	0.01	15	2	0.0	1	2	0.1	0.0
MM-4623	Chip	N/A	0.003	0.01	14	2	0.0	1	4	0.8	0.2
MM-4624	Chip	N/A	0.003	0.03	71	63	1.7	6	1	21.3	1.8
MM-4625	Chip	N/A	0.020	0.10	14	15	0.0	1	1	1.5	0.1
MM-4626	Chip	N/A	0.023	0.42	25	8	0.0	56	1	5.2	0.9
MM-4627	Chip	N/A	0.016	1.09	15	46	0.0	23	4	14.5	0.6
MM-4628	Chip	N/A	0.008	0.78	7	30	0.0	18	3	8.0	0.4
MM-4629	Chip	N/A	0.007	0.30	86	47	0.1	4	1	2.3	1.3
MM-4630	Chip	N/A	0.104	0.15	30	114	0.3	32	3	6.8	2.1
MM-4631	Chip	N/A	0.009	0.25	10	10	0.0	1	2	2.3	1.2
MM-4632	Chip	N/A	0.006	0.33	7	8	0.1	3	1	2.2	0.4
MM-4633	Chip	N/A	0.008	0.18	8	9	0.0	3	1	3.6	0.5
MM-4634	Chip	N/A	0.010	0.11	8	3	0.0	7	0	4.4	0.9
MM-4635	Chip	N/A	0.096	0.11	16	10	0.0	4	2	3.4	1.9
MM-4636	Chip	N/A	0.015	0.15	7	9	0.0	2	1	2.2	0.7
MM-4637	Chip	N/A	0.091	0.28	17	14	0.1	2	1	9.6	1.9
MM-4638	Chip	N/A	0.030	0.63	6	4	0.1	1	1	3.5	0.8
MM-4639	Chip	N/A	0.021	0.50	1	6	0.0	6	0	1.2	0.4
MM-4640	Chip	N/A	0.003	2.61	9	3	0.0	1	1	1.0	0.2
MM-4641	Chip	N/A	0.015	3.35	17	11	0.0	2	4	1.3	2.2
MM-4642	Chip	N/A	0.003	0.14	4	14	0.0	3	1	0.6	1.3
MM-4643	Chip	N/A	0.003	0.75	9	7	0.0	0	1	1.5	0.9
MM-4644	Chip	N/A	0.003	0.41	17	23	0.0	1	15	0.9	0.4
MM-4645	Chip	N/A	0.003	0.19	14	17	0.1	3	2	1.2	1.6
MM-4646	Chip	N/A	0.023	0.75	4	4	0.0	0	1	1.0	0.9
MM-4647	Chip	N/A	0.020	0.51	5	4	0.0	2	0	1.4	0.9
MM-4648	Chip	N/A	0.005	0.29	4	15	0.0	1	1	2.0	0.3

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-4649	Chip	N/A	0.129	0.18	6	14	0.1	1	0	5.1	1.5
MM-4650	Chip	N/A	0.052	0.03	13	20	0.0	14	1	9.7	0.5
MM-4651	Chip	N/A	0.204	0.24	26	43	0.1	23	1	3.9	2.3
MM-4652	Chip	N/A	0.042	0.19	54	11	0.2	23	5	5.6	0.5
MM-4653	Chip	N/A	0.040	0.10	46	43	0.0	15	4	4.9	0.7
MM-4654	Chip	N/A	0.003	0.02	14	4	0.0	20	1	0.5	0.1
MM-4655	Chip	N/A	0.010	0.02	7	1	0.0	17	1	0.3	0.1
MM-4656	Chip	N/A	0.003	0.01	10	2	0.0	24	1	0.2	0.1
MM-4657	Chip	N/A	0.010	0.02	7	14	0.0	25	1	0.6	0.1
MM-4658	Chip	N/A	0.012	0.27	17	4	0.0	8	2	6.3	0.5
MM-4659	Chip	N/A	0.023	0.06	10	12	0.0	20	1	1.9	0.2
MM-4660	Chip	N/A	0.034	0.06	35	14	1.1	129	2	11.8	0.9
MM-4661	Chip	N/A	0.024	0.03	67	11	0.5	18	9	14.4	0.5
MM-4662	Chip	N/A	0.021	0.05	57	9	0.5	44	1	18.7	0.4
MM-4663	Chip	N/A	0.013	0.05	24	12	0.6	28	1	4.0	0.5
MM-4664	Chip	N/A	0.018	0.02	54	7	0.0	42	0	4.1	0.3
MM-4665	Chip	N/A	0.016	0.04	46	2	0.6	4	14	6.3	0.3
MM-4693	Chip	1.30	0.007	0.19	6	3	0.0	12	0	2.3	0.1
MM-4694	Chip	2.00	0.008	0.14	8	0	0.0	23	1	1.4	0.1
MM-4695	Chip	1.20	0.043	1.28	25	12	0.0	22	4	9.4	0.7
MM-4696	Chip	1.80	0.010	0.05	184	10	0.1	1	1	2.5	0.4
MM-4697	Chip	1.50	0.006	0.05	63	13	0.0	2	1	12.0	1.1
MM-4698	Chip	1.50	0.005	0.07	57	18	0.0	1	2	2.4	1.2
MM-4699	Chip	1.50	0.003	0.07	43	11	0.0	2	1	2.7	0.9
MM-4700	Chip	1.50	0.003	0.08	35	7	0.0	3	1	2.8	0.5
MM-4722	Chip	1.50	0.005	0.07	26	5	0.0	1	1	2.5	0.4
MM-4723	Chip	1.50	0.009	0.04	31	23	0.0	1	5	6.4	1.0
MM-4724	Chip	1.50	0.003	0.13	43	1	0.1	0	0	1.1	0.2
MM-4725	Chip	1.20	0.003	0.90	24	5	0.0	0	3	0.6	0.7
MM-4726	Chip	1.00	0.174	2.35	104	34	0.0	31	1	2.2	0.7
MM-4727	Chip	1.00	0.079	1.28	11	19	1.2	2	1	0.2	0.2
MM-4728	Chip	1.00	0.035	0.94	63	33	0.1	9	1	0.3	0.9
MM-4729	Chip	1.00	0.741	3.58	42	8	0.1	3	2	3.6	0.2
MM-4730	Chip	1.00	0.025	1.19	32	9	0.1	4	2	1.7	0.2
MM-4731	Chip	1.00	0.011	0.80	21	23	0.0	3	1	1.1	0.2
MM-4732	Chip	1.00	0.008	1.91	45	4	0.4	25	3	0.3	0.2
MM-4733	Chip	1.90	0.014	1.30	183	9	0.0	3	1	1.6	1.0
MM-4734	Chip	1.30	0.039	3.27	23	4	0.0	3	0	1.9	1.4
MM-4735	Chip	1.30	0.003	0.75	7	4	0.0	13	1	0.6	0.7
MM-4736	Chip	1.30	0.008	0.67	6	2	0.0	2	0	1.5	0.6
MM-4737	Chip	1.20	0.013	0.34	9	8	0.0	1	1	0.9	0.3
MM-4738	Chip	1.10	0.187	5.62	24	88	0.1	4	1	2.3	0.2
MM-4739	Chip	2.00	0.049	4.75	30	121	0.2	2	1	3.2	0.2

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
MM-4740	Chip	1.20	0.039	1.83	479	8	0.1	26	4	0.2	0.1
MM-4741	Chip	1.00	0.008	2.86	26	17	0.0	3	3	3.7	0.7
MM-4742	Chip	2.00	0.060	3.28	84	8	0.1	13	2	0.7	1.9
MM-4743	Chip	0.80	0.775	3.50	11	475	0.1	3	1	1.2	0.9
MM-4744	Chip	1.20	3.490	3.08	20	692	0.1	4	1	1.5	1.2
MM-4745	Chip	1.20	0.097	0.65	57	33	0.0	4	16	16.7	1.6
MM-4746	Chip	1.20	1.020	11.00	70	41	0.2	3	45	1.0	0.1
MM-4747	Chip	1.40	0.163	1.73	90	29	0.0	5	1	1.4	0.9
MM-4748	Chip	2.00	0.029	0.84	71	45	0.0	5	2	1.0	0.6
MM-4749	Chip	1.30	0.035	2.21	43	119	0.1	18	3	1.1	0.6
MM-4750	Chip	1.30	0.006	0.13	128	4	0.1	2	2	0.7	0.1
MM-4751	Chip	0.80	0.010	1.73	25	106	0.1	2	2	1.0	0.4
MM-4752	Chip	1.30	0.167	11.55	90	29	0.5	7	11	2.2	0.9
MM-4753	Chip	1.30	0.021	1.26	74	25	0.1	7	3	1.0	0.8
MM-4754	Chip	1.10	0.007	0.53	56	58	0.0	5	1	0.8	0.7
MM-4755	Chip	1.00	0.003	1.49	63	55	0.1	4	9	1.1	0.6
MM-4756	Chip	1.20	0.148	4.08	80	62	0.4	15	28	1.4	1.3
MM-4757	Chip	1.20	0.059	3.55	127	47	0.2	6	3	2.5	2.1
MM-4758	Chip	1.30	0.072	6.24	138	11	0.7	37	6	1.4	1.0
MM-4759	Chip	1.30	0.037	1.18	35	158	0.1	6	9	1.9	1.1
MM-4760	Chip	1.50	0.003	0.32	12	8	0.0	2	3	2.0	0.5
1021	Chip Trench 1	1.90	0.166	2.90	302	366	1.5	2	56		
1022	Chip Trench 1	1.10	8.879	104.60	>10,000	>10,000	37.0	10	7,078		
1023	Chip Trench 1	1.40	1.201	36.40	4,265	>10,000	1.5	7	2,018		
1024	Chip Trench 1	1.10	1.641	45.10	7,038	>10,000	1.5	4	2,028		
1025	Chip Trench 1	1.70	3.548	57.50	>10,000	>10,000	10.0	6	4,219		
1026	Chip Trench 1	2.10	5.265	47.30	5,306	5,334	1.5	2	327		
1027	Chip Trench 1	2.80	6.938	85.50	>10,000	>10,000	1.5	4	626		
1028	Chip Trench 2	3.30	0.224	1.60	397	198	1.5	88	166		
1029	Chip Trench 2	3.30	0.303	0.90	222	150	1.5	60	59		
1031	Chip	3.30	0.431	1.00	88	50	1.5	13	20		
1032	Chip Trench 3	2.00	0.048	0.40	32	14	1.5	8	5		
1033	Chip Trench 3	1.30	0.020	0.30	49	14	1.5	9	5		
1034	Dump	0.00	1.165	7.20	1,586	147	1.5	18	121		
1035	Dump	0.00	2.293	1.70	971	183	1.5	36	1,596		
1036	Chip	0.80	0.020	0.20	57	36	1.5	14	16		
1037	Chip Trench 4	1.60	0.589	8.00	4,525	163	1.5	11	481		
1038	Chip Trench 4	0.80	0.211	3.70	3,122	259	1.5	27	437		
1039	Dump	0.00	2.776	27.70	>10,000	403	68.0	23	2,287		
1041	Chip Trench 5	2.40	1.622	1.40	3	2	1.5	1	2		
1042	Chip Trench 5	1.50	0.628	1.00	141	83	1.5	2	381		
1043	Chip Trench 5	2.20	1.094	1.80	368	127	1.5	3	600		
1044	Chip Trench 6	1.00	0.064	0.30	95	33	1.5	3	69		

Sample Number	Sample Type	Length (metres)	Gold Grade (g/t)	Silver Grade (g/t)	Arsenic Grade (ppm)	Copper Grade (ppm)	Hg Grade (ppm)	Mo Grade (ppm)	Sb Grade (ppm)	Se Grade (ppm)	Te Grade (ppm)
1045	Chip Trench 6	1.40	0.046	0.70	101	39	1.5	3	21		
1046	Chip Trench 7	2.00	0.034	0.80	147	21	1.5	3	57		
1047	Chip Trench 7	2.00	0.035	0.70	72	29	1.5	9	23		
1048	Chip Trench 7	2.00	0.070	0.50	120	49	1.5	4	38		
1049	Chip Trench 8	2.00	0.268	0.60	102	49	1.5	4	24		
1051	Chip Trench 8	2.00	0.447	0.40	179	73	1.5	7	170		
1052	Chip Trench 8	2.00	0.217	0.60	53	73	1.5	7	26		
1053	Chip	2.50	1.673	13.10	1,412	328	87.0	3	903		
1054	Panel 2 X 2	2.0 x 2.0	0.422	3.90	20	5	1.5	1	12		
1055	Panel 2 X 3	2.0 x 1.0	0.162	6.90	3	1	1.5	1	1		
1056	Chip	1.80	0.375	7.40	319	86	1.5	162	164		

Note: Hg - Mercury; Mo - Molybdenum; Sb - Antimony; Se - Selurium; Te – Tellurium

Annex E - Dr. Efren Perez Segura, March 2013,

Petrography Report, Tenoriba Property

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Hermosillo, Sonora, 8 de marzo de 2013.

Sr. Richard Simpson

PRESENTE

Estimado Richard:

Adjunto un informe complementario en relación al modo de presentación del oro en las muestras recibidas. Como podrás ver, al menos sobre una de las muestras es evidente la presencia de oro como elemento nativo. Si es de su interés podría hacer algunas imágenes al microscopio electrónico de barrido (MEB), aunque me parece innecesario porque no aportarían mayor información.

Espero te sean de utilidad estos datos, te mando un saludo afectuoso.

Atentamente,

Efrén Pérez Segura

INFORME COMPLEMENTARIO EN RELACIÓN A LA MANERA DE PRESENTACIÓN DEL ORO SOBRE LAS MUESTRAS TDH-07 (#3655) Y THH-11 (#5165).

Introducción

En vista de que no se observó presencia de oro en las secciones pulidas descritas en el informe de fecha 22/02/13, se efectuó un trabajo complementario de mineragrafía sobre concentrados de minerales pesados de las mismas muestras. El presente informe da cuenta de los resultados obtenidos y complementa el reporte anterior.

Conclusiones

1. Se observó presencia de oro en la muestra TDH-07 (#3666) en residuos de minerales pesados de las mallas -100 y -65 + 100. La certeza de identificación del oro es total.

2. El oro se observa de un tamaño entre 0.005 mm y 0.12 mm, pero la mayor parte es de un tamaño aparente inferior a 0.08 mm.

3. El oro se encuentra libre o asociado a pirita y, en menor proporción, asociado a ganga transparente.

4. Las características texturales del oro sugieren que puede ser recuperado por lixiviación con cianuro.

5. Las características del oro también sugieren que los análisis químicos están afectados por un "efecto pepita" importante.

6. La proporción de sulfuros en esta muestra es muy escasa. Se identifica principalmente la presencia de pirita-marcasita, calcopirita y tetraedrita-tenantita.

7. No se observó presencia de oro en los residuos de minerales pesados de la muestra THH-11 (#5165), sin embargo el análisis químico sí reporta Au en rangos de 5-7 g/t. Se contemplan 2 posibilidades por las cuales el oro no se observó en sección pulida:
   a). Una insuficiencia de secciones pulidas a partir del total del concentrado recuperado.

   b). Que el oro se encuentre como inclusiones de talla ultramicroscópica incluido en la pirita, lo cual me parece poco probable.

8. La mineralogía de la sección THH-11 (#5165) es principalmente de pirita-marcasita, con presencia de esfalerita y trazas de calcopirita y de galena.

9. Se deduce que en la muestra TDH-07 (#3666) los valores de Ag se encuentran en tetraedrita, según datos obtenidos anteriormente al microscopio electrónico de barrido.

Metodología

A partir de los testigos de las muestras recibidas de las cuales se efectuaron las láminas delgadas y secciones pulidas descritas con anterioridad, se efectuó el siguiente trabajo:

- Las muestras fueron molidas a un tamaño de -2 mm. De cada una se obtuvo un poco más de 100 g.
- Las muestras fueron cuarteadas y una parte analizada por Au y Ag al fuego, en el Laboratorio Tecnológico de Metalurgia (LTM) de Hermosillo.
- El testigo no utilizado para el análisis (unos 60 g) fue recuperado y molido en un mortero de alúmina a -65 mallas. De cada muestra se obtuvieron 2 fracciones: a -65+100 y a -100 mallas.
- Cada fracción fue lavada, secada y se procedió a hacer una separación con bromoformo (densidad: 2.88) guardando la parte pesada.
- De la parte pesada se hicieron secciones pulidas, las cuales se estudiaron al microscopio mineragráfico.

Resultados

Análisis químicos:

La tabla siguiente muestra los resultados obtenidos por análisis al fuego en LTM y se comparan con los resultados proporcionados por el cliente.

Muestra	Au (cliente)	Ag (cliente)	Au (LTM)	Ag (LTM)
TDH-07 #3655	45.9	37.1	6.5	<5
THH-11 #5165	6.94	5.6	5.01	<5

Comentarios a los análisis: Se advierte una muy importante diferencia en los análisis de Au para la muestra # 3655, lo cual sugiere la existencia de un “efecto pepita” muy importante.

Mineragrafía

Muestra TDH-07 #3655 a -100 mallas

La cantidad de minerales pesados obtenidos a partir de esta muestra fue mínima, como puede verse en la superficie pulida que se muestra más abajo.

Los principales minerales que se observan son pirita y marcasita >> calcopirita > tetraedrita-tenantita. Los minerales se encuentran libres y como granos mixtos de sulfuros + ganga no metálica. Es común observar granos con una textura en la que la calcopirita cementa a la pirita. También se observan granos en donde la tetraedrita-tenantita se introduce en la pirita, y también se observa como inclusiones en pirita.

Se observaron al menos 8 partículas de oro cuyas características se muestran en la siguiente tabla:

Tamaño aparente en mm.	Características
0.08 x 0.08	Partícula aparentemente libre
0.04 x 0.03	Asociada a pirita
0.07 x 0.07	Partícula aparentemente libre
0.02 x 0.01	Introducida en pirita

0.01 x 0.01	Introducida en pirita
0.01 x 0.01	Introducida en pirita
0.08 x 0.08	Asociada a pirita
0.005 x 0.005	Incluida en ganga transparente (no es completamente seguro que sea oro)

El término "asociado a la pirita" significa que ambos minerales están en contacto directo.

La ubicación de las partículas está indicada en los círculos de la imagen más abajo y varias fotografías también pueden ser observadas.

Muestra TDH-07 #3655 a -65+100 mallas

La cantidad obtenida de minerales pesados también fue mínima como puede observarse en la sección más abajo. La talla de grano que se observa es la correspondiente a la abertura de las mallas, es decir, entre 0.15-0.2 mm.

La mineralogía principal observada es de granos mixtos con ganga no metálica , así como pirita y marcasita y, en menores proporciones calcopirita y trazas de tetraedrita-tenantita. Los granos mixtos observados son de pirita + ganga, marcasita + ganga, pirita + calcopirita, pirita + calcopirita + ganga y pirita + tetraedrita-tenantita.

Se observó la presencia de al menos 5 partículas de oro, siempre relacionadas con ganga transparente o con pirita. La tabla siguiente resume las características.

Tamaño aparente en mm.	Características
0.03 x 0.03	Asociado con grano de pirita de 0.16 mm.
0.12 x 0.08	Asociado con grano de ganga no metálica de 0.2 mm.
0.05 x 0.03	Asociado con grano de ganga y pirita de 0.2 mm.

0.05 x 0.05	Asociado con grano de pirita
0.04 x 0.04	Asociado con grano de ganga y pirita

La ubicación de las partículas de oro en la sección pulida, así como fotografías de las mismas se muestran más abajo.

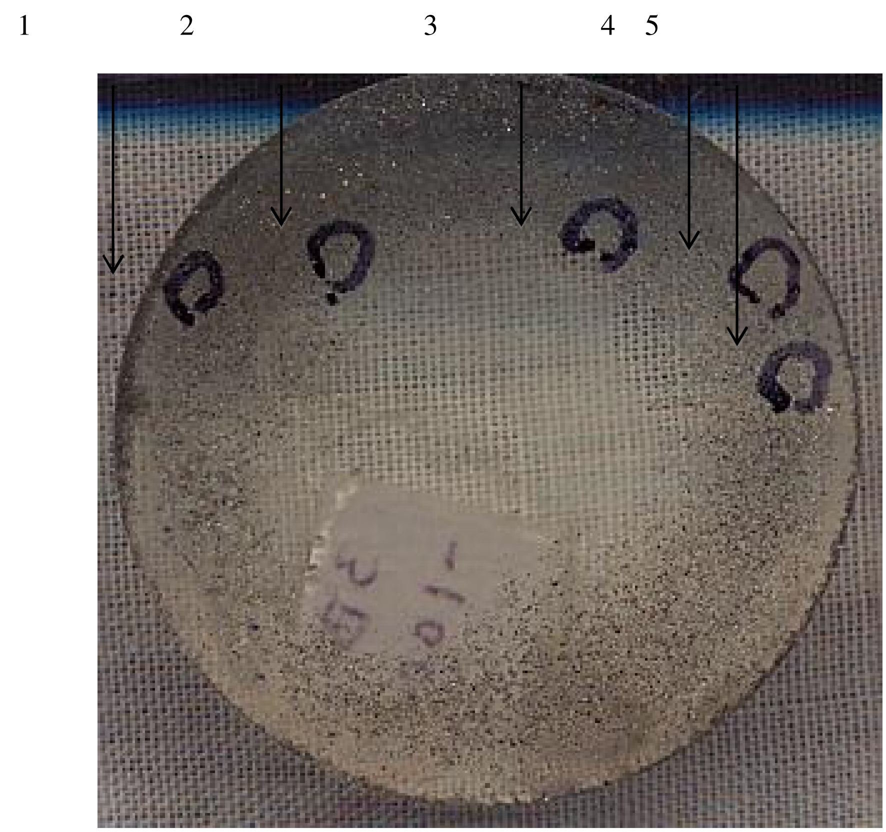
Muestra THH-11 #5165

De esta muestra se recuperó una cantidad considerable de minerales pesados (probablemente unas 20 veces más que la anterior). En sección pulida no se observaron evidencias de oro ni en la sección a -100, ni en la sección a -65 +100.

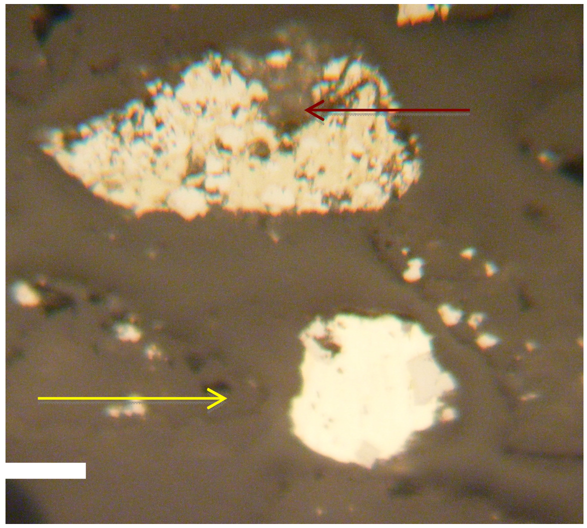
En la sección a -100 se observa abundante pirita y marcasita en granos monominerales. También se observan algunos granos de esfalerita y trazas de calcopirita y eventual galena.

En la sección a -65 + 100 existe una mineralogía similar, la mayor parte en granos mixtos de pirita + ganga o marcasita + ganga. Es común observar que la marcasita resulta de una transformación de pirita. También hay esfalerita libre y en granos mixtos con pirita y ganga.

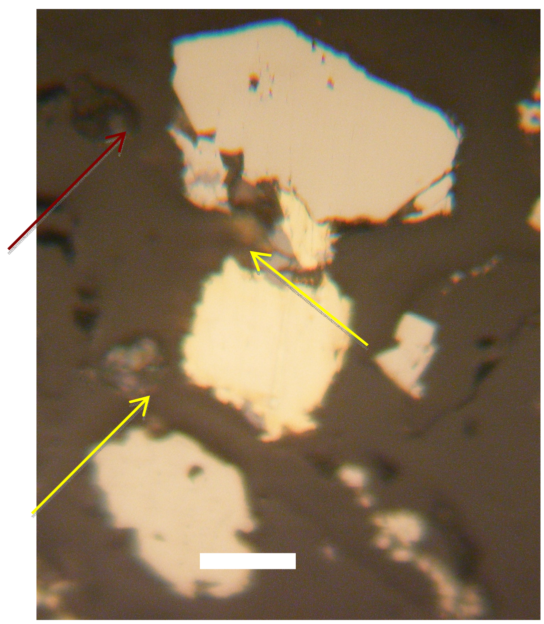
Imágenes



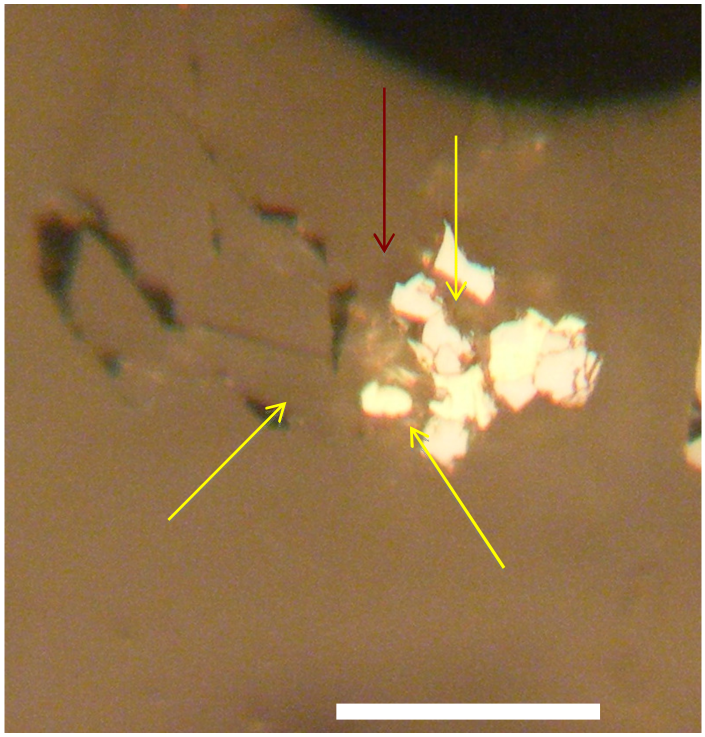
Muestra TDH-07 (#5165). Malla -100. Concentrado de minerales pesados. Diámetro de la sección: 2.8 cm.



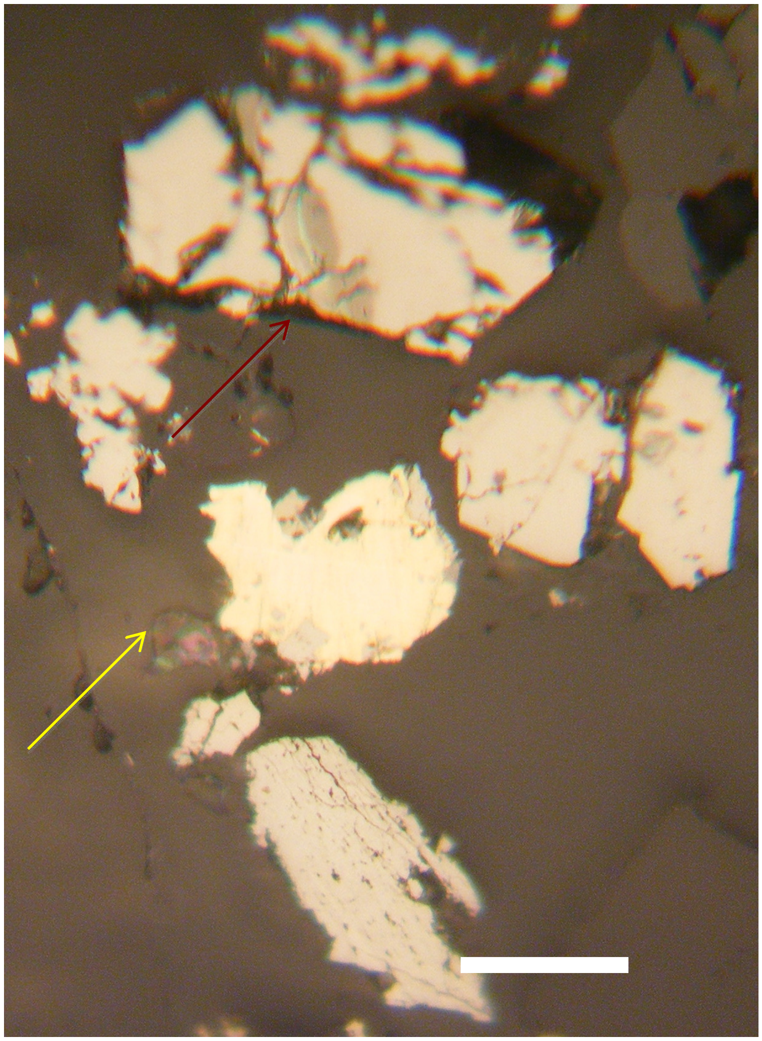
Muestra TDH-07 (#5165). Malla -100. Círculo 1. Partícula de oro asociada con pirita (flecha amarilla) y grano mixto de pirita-calcopirita (flecha roja). La barra representa 0.05 mm.



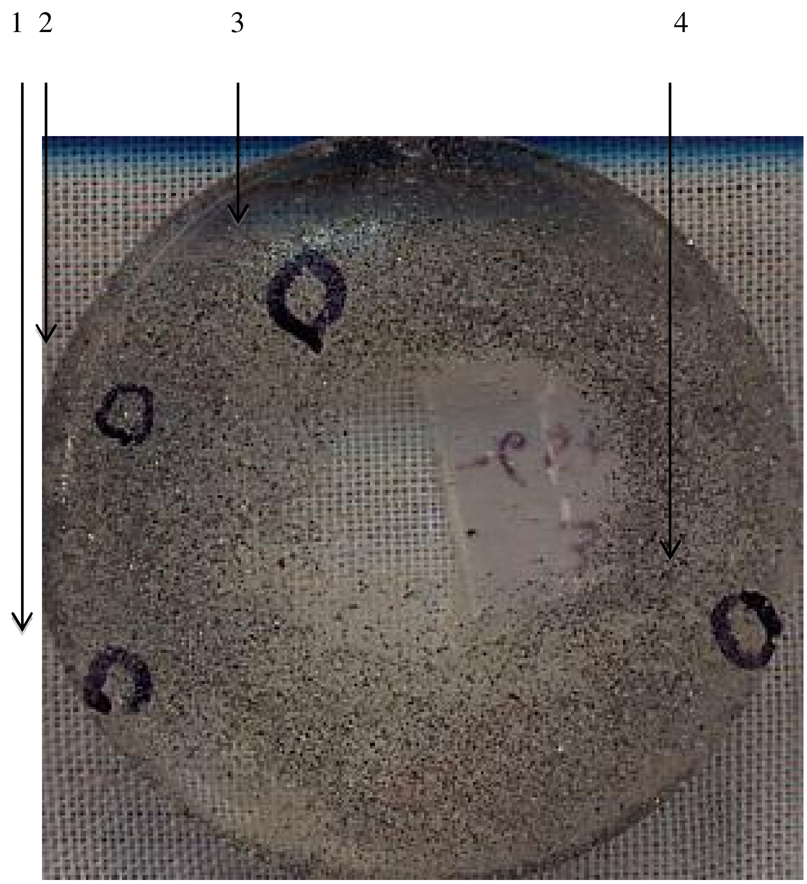
Muestra TDH-07 (#5165). Malla -100. Círculo 2. Partículas de oro (flechas amarillas), la más pequeña asociada con pirita. Misma escala que la anterior.



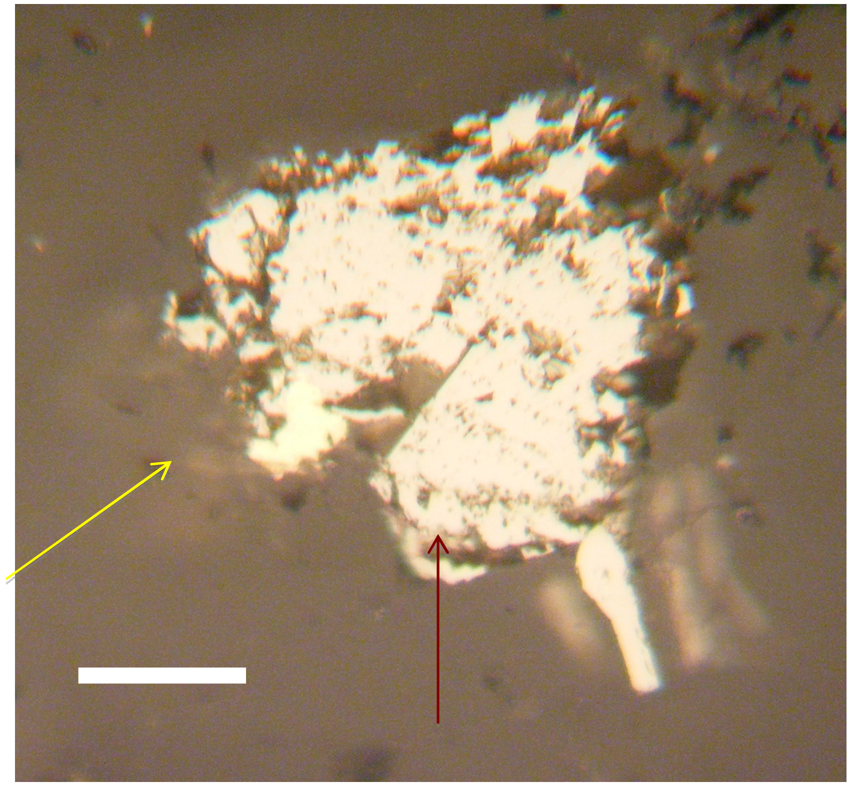
Muestra TDH-07 (#5165). Malla -100. Círculo 3. Pequeñas partículas de oro (flechas amarillas) relacionadas con pirita (flecha roja). La escala representa aproximadamente 0.05 mm.



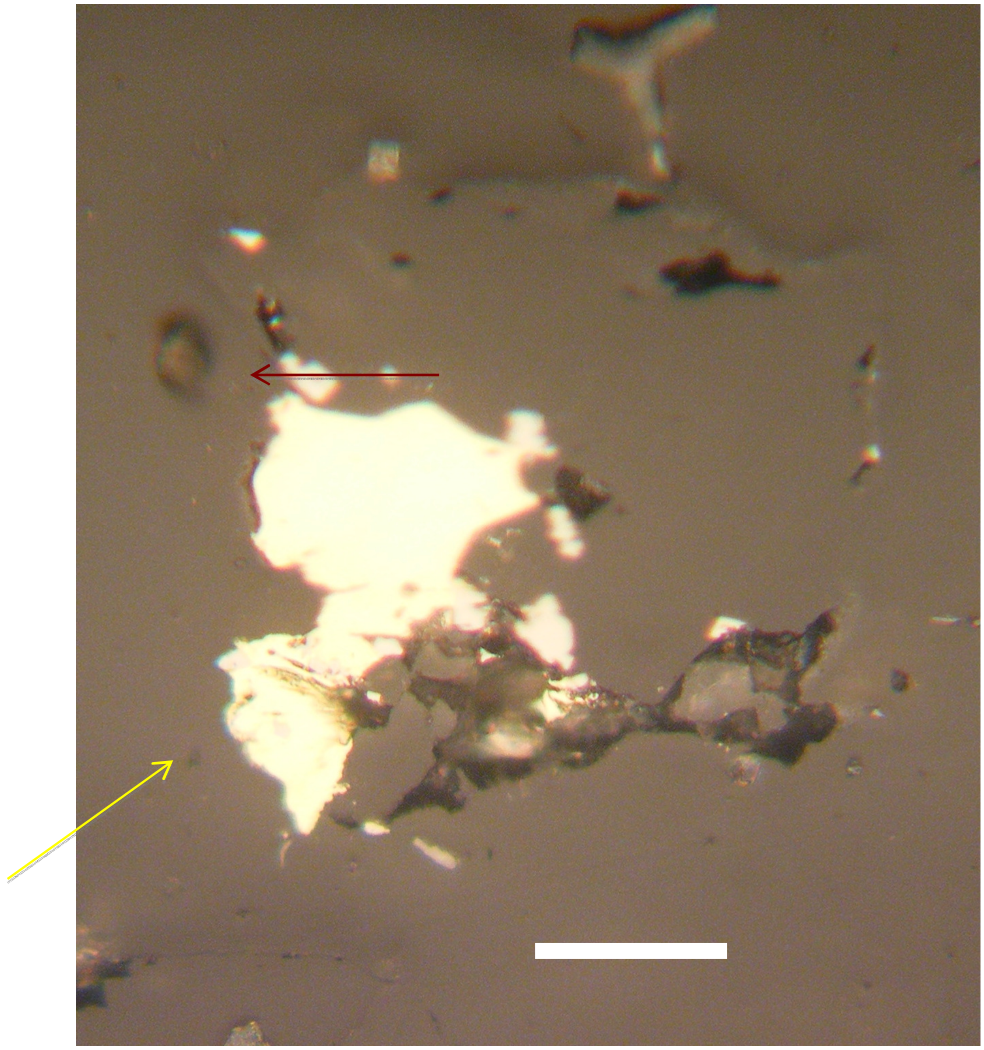
Muestra TDH-07 (#5165). Malla -100. Círculo 4. Partícula de oro (flecha amarilla) asociada con pequeños cristales de pirita, además hay granos de pirita (flecha roja). Debajo del oro es un grano de marcasita. La escala representa aproximadamente 0.05 mm.



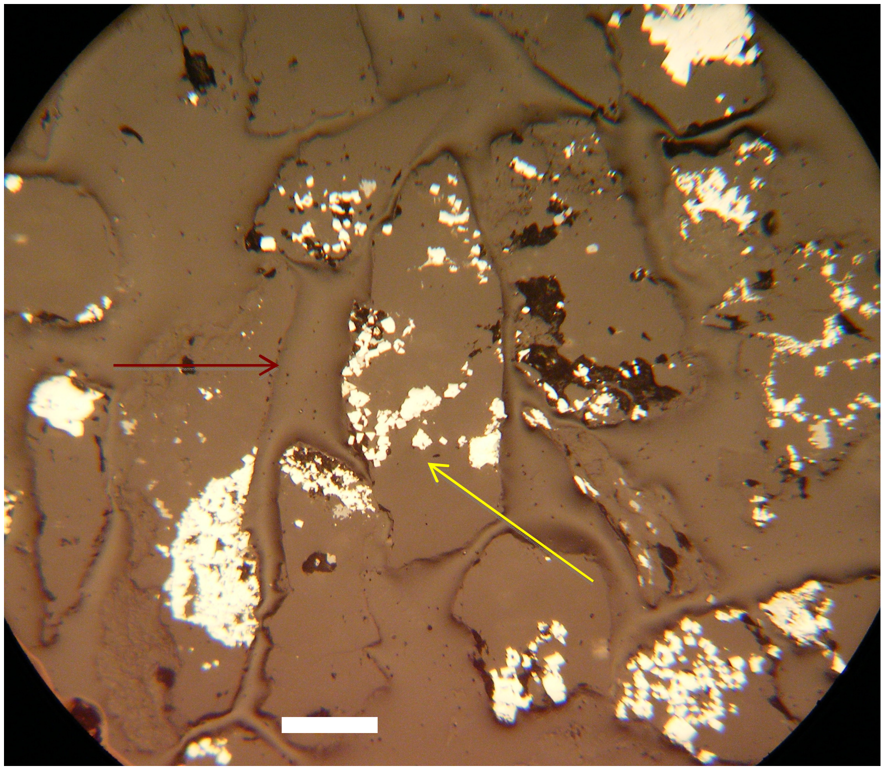
Muestra TDH-07 (#5165). Malla -65+100. Concentrado de minerales pesados. Diámetro de la sección: 2.8 cm.



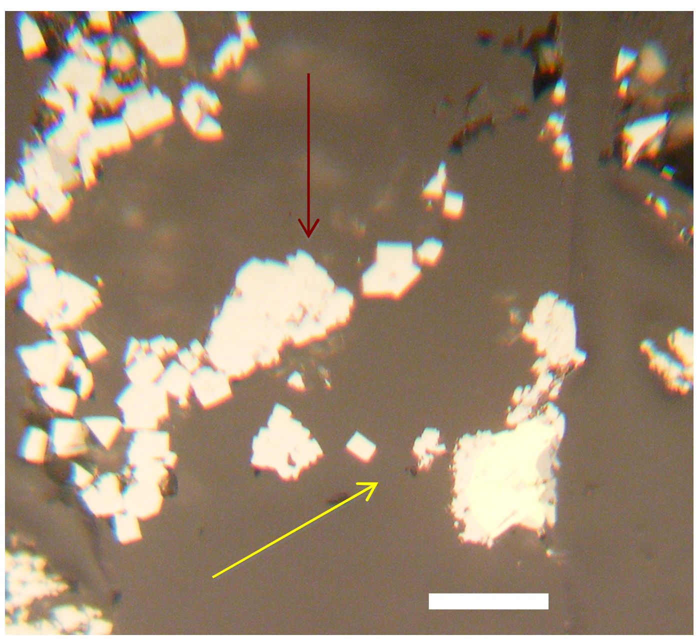
Muestra TDH-07 (#5165). Malla -65+100. Círculo 1. Partícula de oro (flecha amarilla) asociada a pirita (flecha roja). La escala representa aproximadamente 0.05 mm.



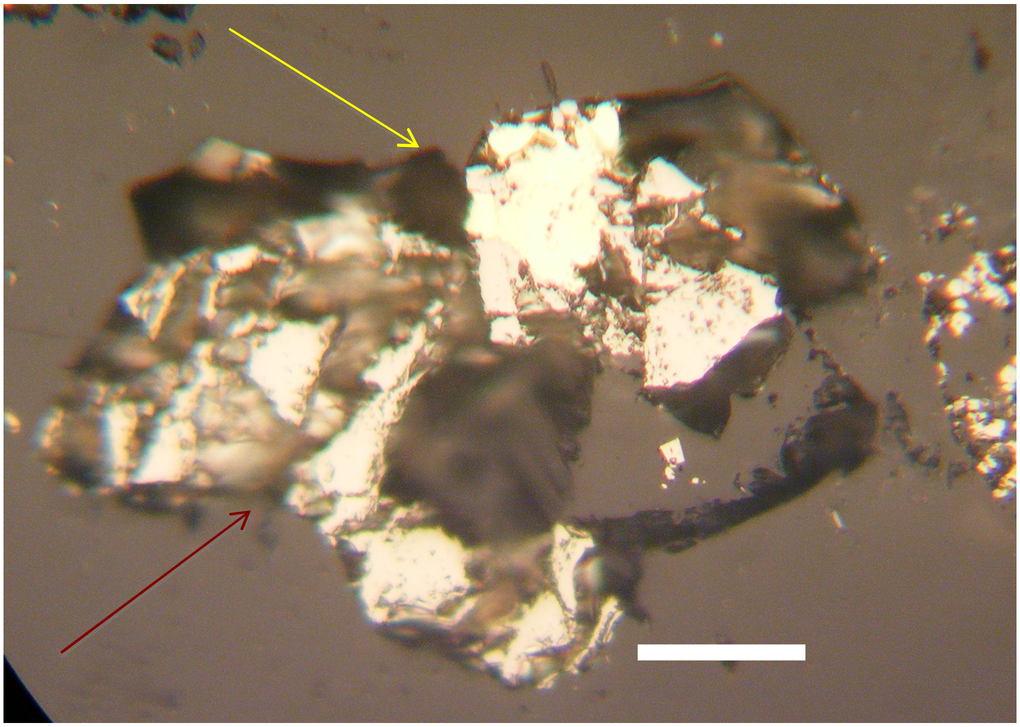
Muestra TDH-07 (#5165). Malla -65+100. Círculo 2. Partícula de oro (flecha amarilla) asociada a ganga transparente y a pirita (flecha roja). La escala representa aproximadamente 0.05 mm.



Muestra TDH-07 (#5165). Malla -65+100. Círculo 3. Partícula de oro (flecha amarilla) asociada a ganga transparente y a pirita (flecha roja). La escala representa 0.125 mm.



Muestra TDH-07 (#5165). Malla -65+100. Círculo 3. Detalle de la foto anterior. La escala representa 0.05 mm.



Muestra TDH-07 (#5165). Malla -65+100. Círculo 4. Partícula de oro (flecha amarilla) asociada a ganga transparente y a pirita (flecha roja). La escala representa 0.05 mm.

Annex F - Dr. Efren Perez Segura, June 2013,

Comments Regarding Cyanide Leach Results

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Tel. (662)285 5515, email:efrenpese@yahoo.com

Comments Regarding Cyanide Leach Results

For Recursos Mineros Mamut S.A de C.V.

By:

Efren Pérez Segura

Hermosillo, Sonora, June 2013.

Efrén Pérez Segura
Cerrada Orissa Sur 65, Tosali Residencial
83148 Hermosillo, Sonora
Tel. (662)285 5515, email:efrenpese@yahoo.com

Hermosillo, Sonora, June 21, 2013.

To: Richard Simpson

Recursos Mineros Mamut S.A. de C.V.

Dear Richard;

You will find attached a series of comments regarding the metallurgical cyanide leach test results that you forwarded to me a few days ago. The comments also take in account my previous observations regarding the microscope work that I recently performed for Recursos Mineros Mamut S.A de C.V. I consider that the explanations of the recoveries in the primary sulphide zone are relatively satisfactory.

I hope this will be useful.

Regards,

Efren Pérez Segura

INTRODUCTION:

- I was asked by Recursos Mineros Mamut S.A de C.V (the "Company", or "Mamut") to perform a brief review, followed by comments of preliminary metallurgical test results (Cyanide leach tests) over mineralized material from the Tenoriba property under option by the Company. The data review was performed using an Excel spreadsheet containing a brief description and sample location, plus the original Inspectorate laboratory results & Certificate. I received these documents by e-mail. My comments also include the petrographic work that I performed recently over a few samples from the same property (see Pérez-Segura 07/03/13 report). Following a brief summary of my observations and graphs that assist in illustrating my conclusions.

CONCLUSIONS & RECOMMENDATIONS.

- In accordance with the metallurgical test results (cyanide leach test). With a few exceptions; gold shows an excellent recovery in the oxide zone up to a depth of 60 vertical metres. Thus, the gold & silver in the oxide zone is most likely to be amenable to cyanide leach processing employing heap leach technology.
- The recovery in the oxide zone is generally greater than 90 percent. The most interesting is the speed of the recovery. The gold recovery is greater than 50 percent in 12 hours.
- In the primary sulphide zone (below 70 vertical metres) the recovery falls drastically and in most cases never reaches greater than 70 percent for gold in 72 hours. Although gold recovery does increase with time, thereby indicating that the gold is being leached.
- The low recovery in the samples from the sulphide zone could be caused from a lack of grinding, since in my previous petrographic work; free gold was observed smaller than the -200 mesh sample size.
- It is recommended to perform preliminary mineralogy tests (3 to 5) to characterize how and in which form the gold is present in the primary sulphide zone. These preliminary petrographic samples would help guide any further mineralogical & metallurgical test work.
- The future test work should be done on samples grinded at -500 mesh (-0.0265 mm).

Previous Petrography:

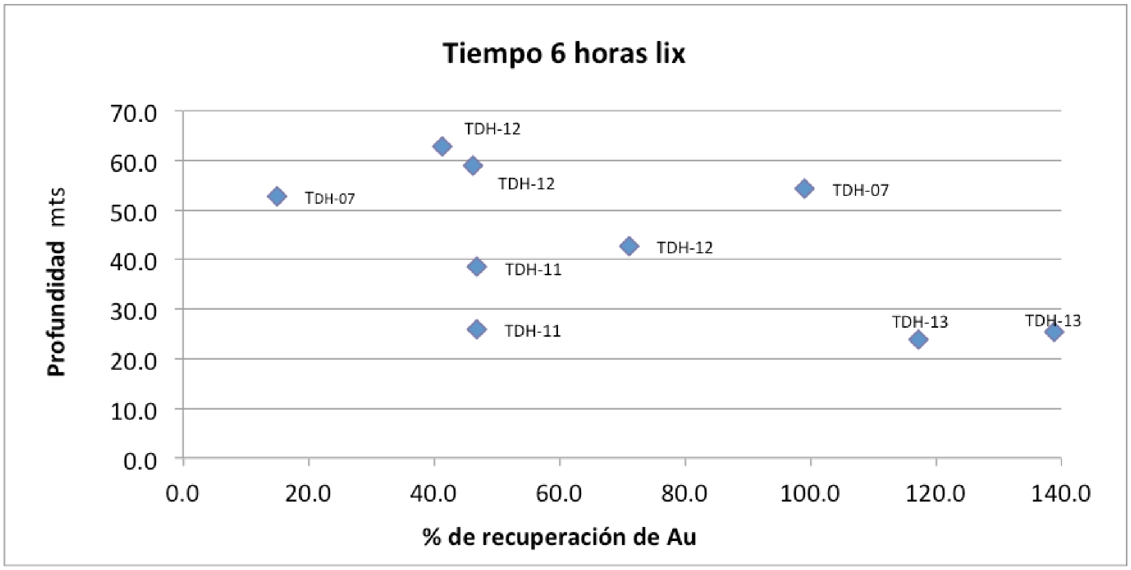
- According with my previous petrographic work (see Pérez-Segura 07/03/13 report).
    - Sample TDH-07 is a strongly silicified porphyritic rhyolite with late bladed calcite also present. Pyrite, marcasite, chalcopyrite and tetrahedrite-tenantite were identified in polish section. Free gold and gold associated to pyrite was observed in a heavy mineral concentrate (- 65+100 & -100 mesh). The size of the gold grain varies between 0.005-0.12 mm; although for the most part the grain size is less than 0.08 mm.
    - A second sample; TDH-11 is a silicified and argillized (montmorillonite and sericite) tuff with small quartz, sulphide & carbonate veinlets. Pyrite, sphalerite and galena were identified by polish section. No gold was observed in the heavy mineral concentrate, although the assay results indicated values of from 5 to 7 grams per tonne gold.

Observations:

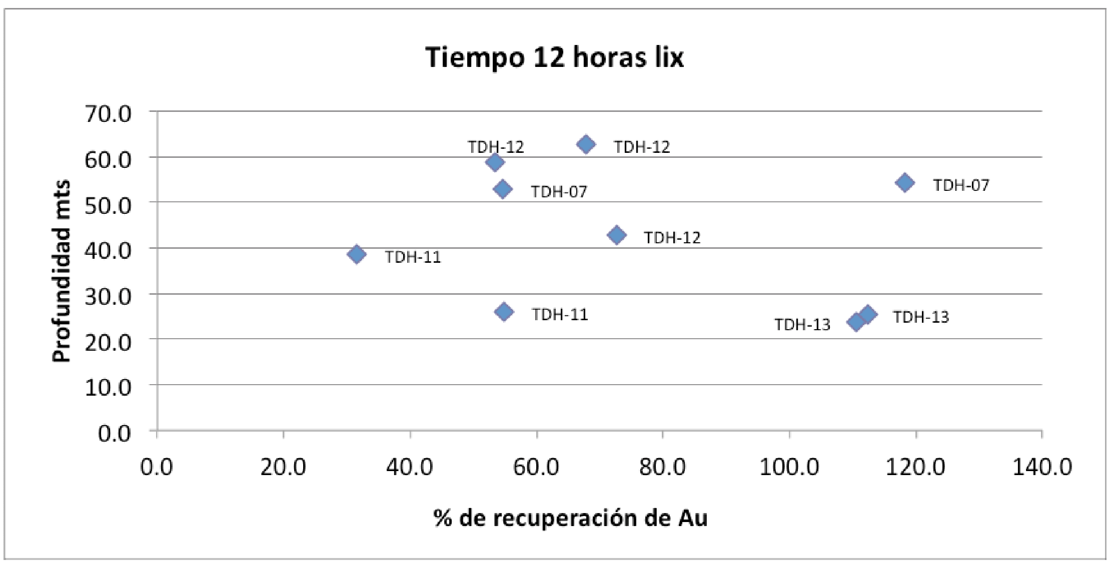
- In general there is a clear relationship between recovery and depth of the samples. The greater the depth generally the lower the recovery. This relationship appears to be a function of the depth of the oxide and primary sulphide zones in the areas where the samples were taken.
- With a few exceptions, the recovery in the oxide zone is excellent (greater than 90 percent recovery) but also very rapid, greater than 50 percent in 12 hours.
- In accordance with the general recoveries we can conclude that the water table limit is located at a depth of approximately 60 metres below surface which coincides with the oxide and primary sulphide zone limit.
- From a metallurgical stand point the samples from TDH-11 exhibit a complex mineralogy which does not leach as well as samples from other core holes. After 72 hours the recoveries in the oxide never reach 80 percent and no more than 60 percent in sulphides.
- The recovery in the primary sulphide zone almost never reaches 70 percent after 72 hours, although the recoveries are slow they increase with time. Thus, the gold appears leachable in the primary sulphide zone. The size of the material could be the reason of the lower recoveries since the leach test was performed over material at – 200 mesh (-0.074 mm) and that the gold size observed from my previous petrographic work was for the most part smaller than 0.08 mm. Thus, the material should be grinded down to -500 mesh (-0.0265 mm) in future leach test to verify if the gold in the sulphide zone is leachable.

Comments over the Metallurgical Method & Results:

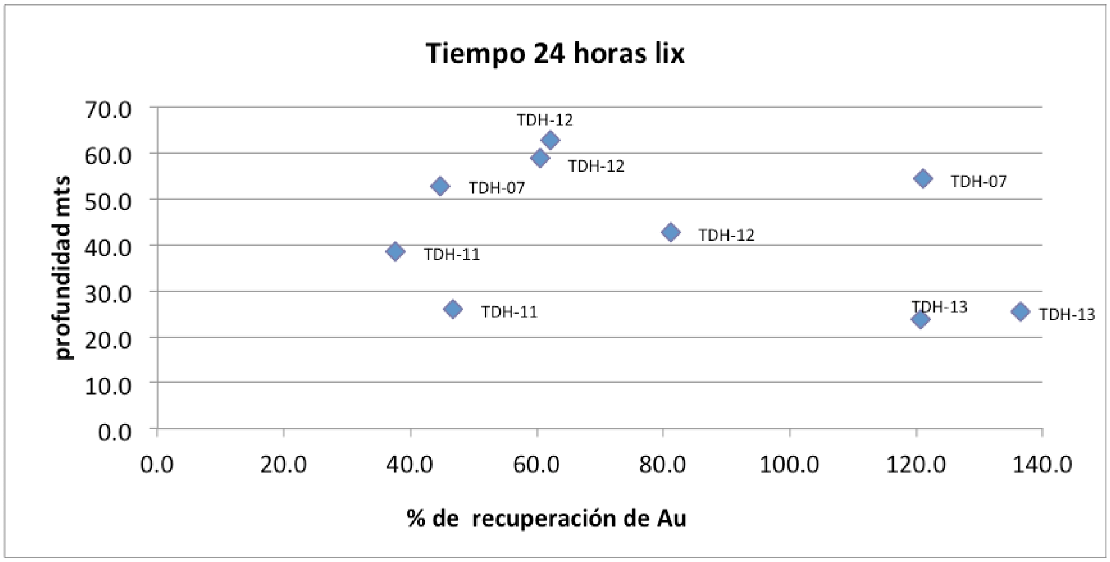
- The recovery percent values were calculated as compared to head grade assay results. This is why some recoveries are greater than 100 percent. When this happens the recoveries should be performed on the base of a calculated head grade. The calculated head grade is produced by using the solution grades at the different time and the residual grade at the end of the test. The data received does not contain the calculated head grade neither the residual grade.
- The test samples were from narrow (< 1.5 m) core intervals, thus represent very punctual cyanide leach results. They were not performed over composite samples. TDH-07 exhibits good examples of this punctual effect. At a depth 54.4 metres the recovery is 99 percent in the first 6 hours and at 52.8 metres the recovery only reaches 15 percent in the first 6 hours and never reaches a recovery greater than 55 percent in 72 hours. In the primary sulphide zone, TDH-07 also exhibits very different punctual recoveries; 100 percent at 104.4 metres and <67 percent at 112.2 metres.



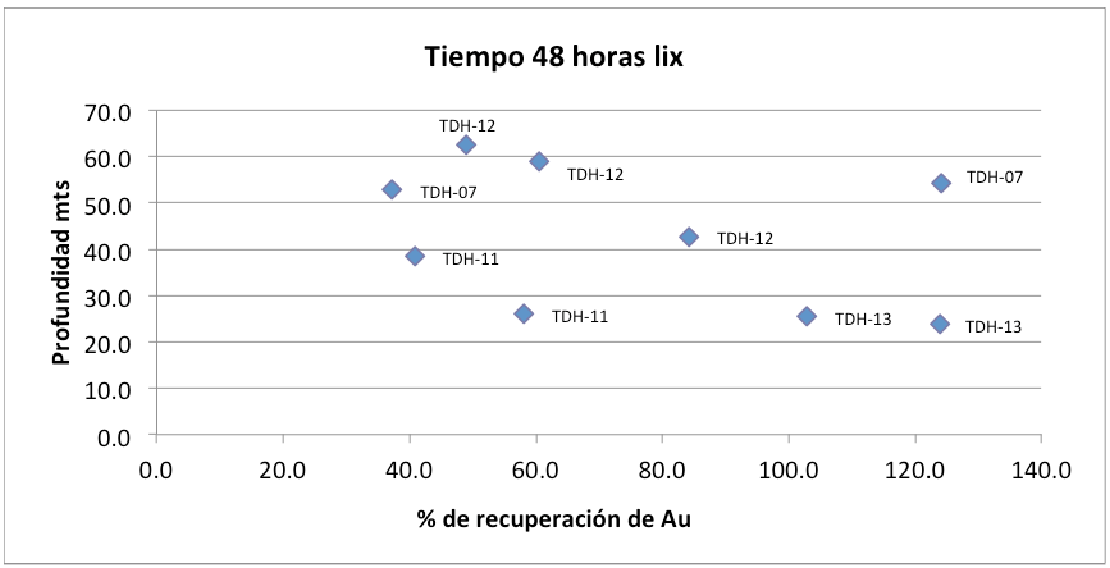
Oxide Zone; Au Recovery vs Depth After 6 Hours.



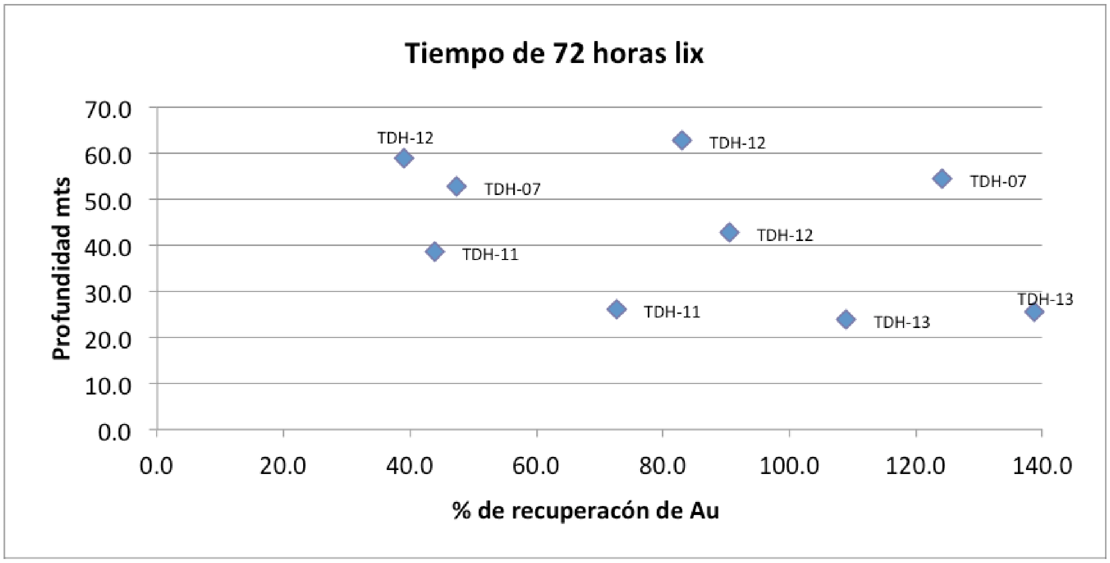
Oxide Zone; Au Recovery vs Depth After 12 Hours.



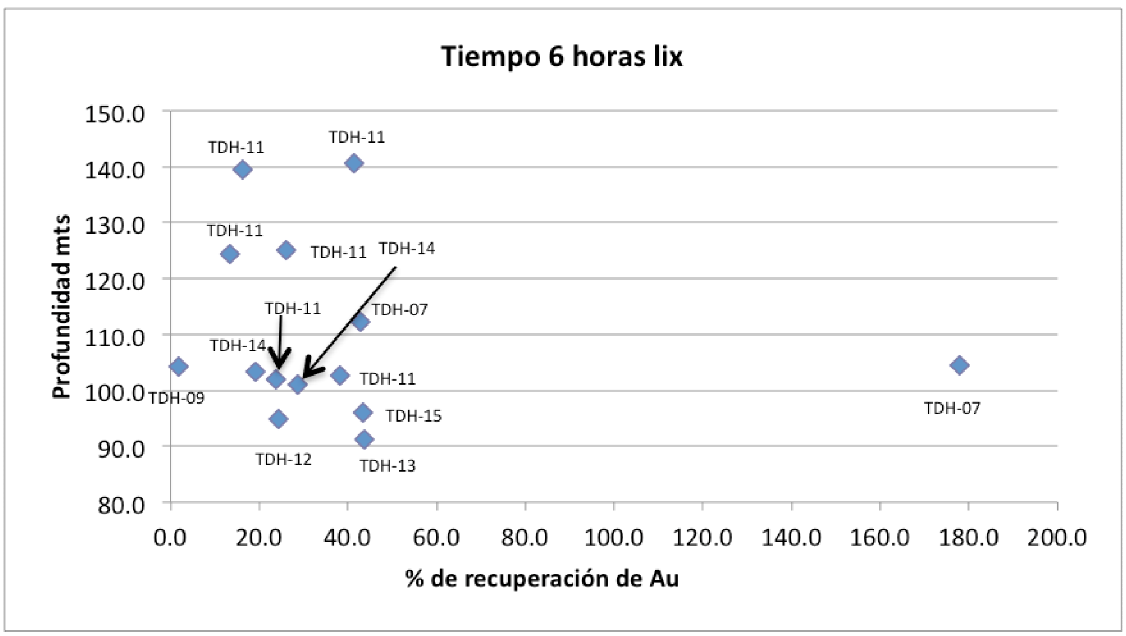
Oxide Zone; Au Recovery vs Depth After 24 Hours.



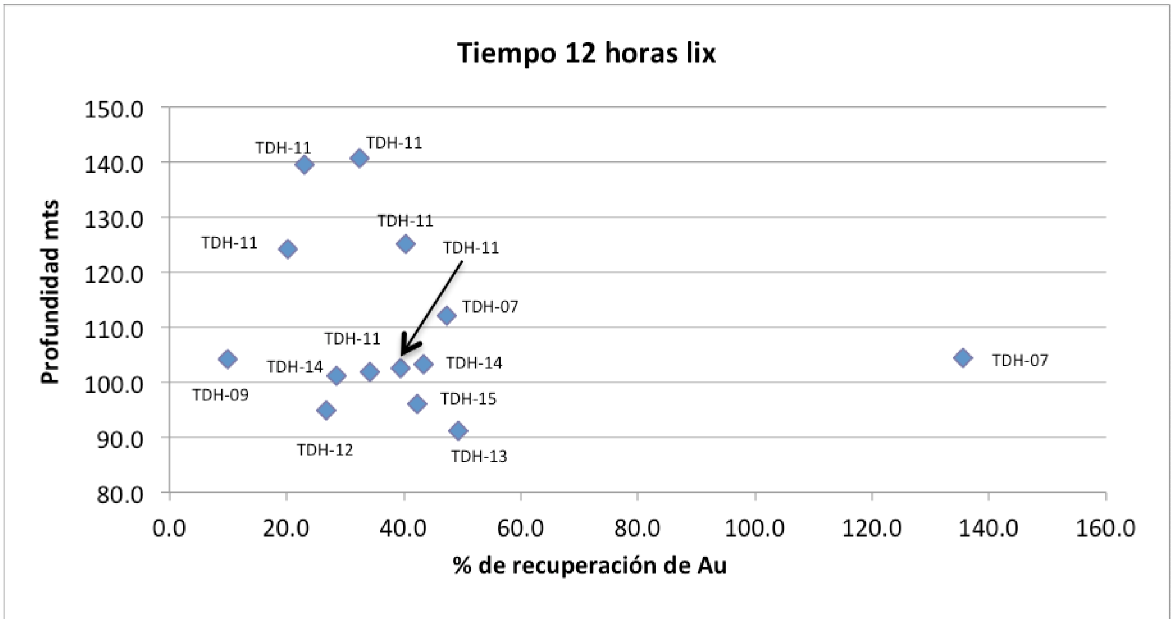
Oxide Zone; Au Recovery vs Depth After 48 Hours.



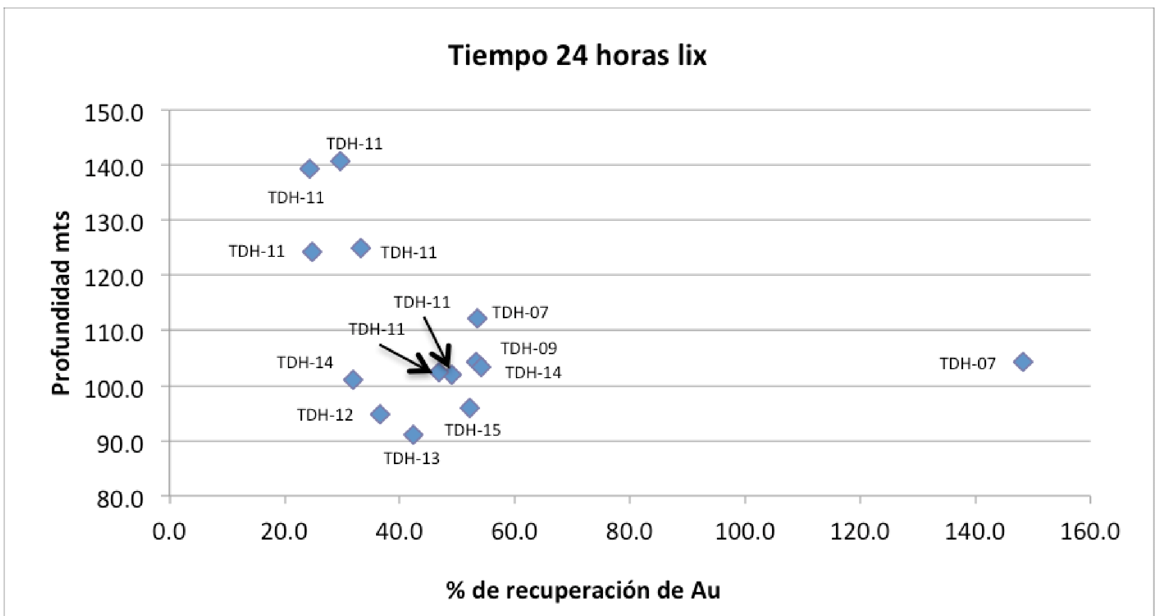
Oxide Zone; Au Recovery vs Depth After 72 Hours.



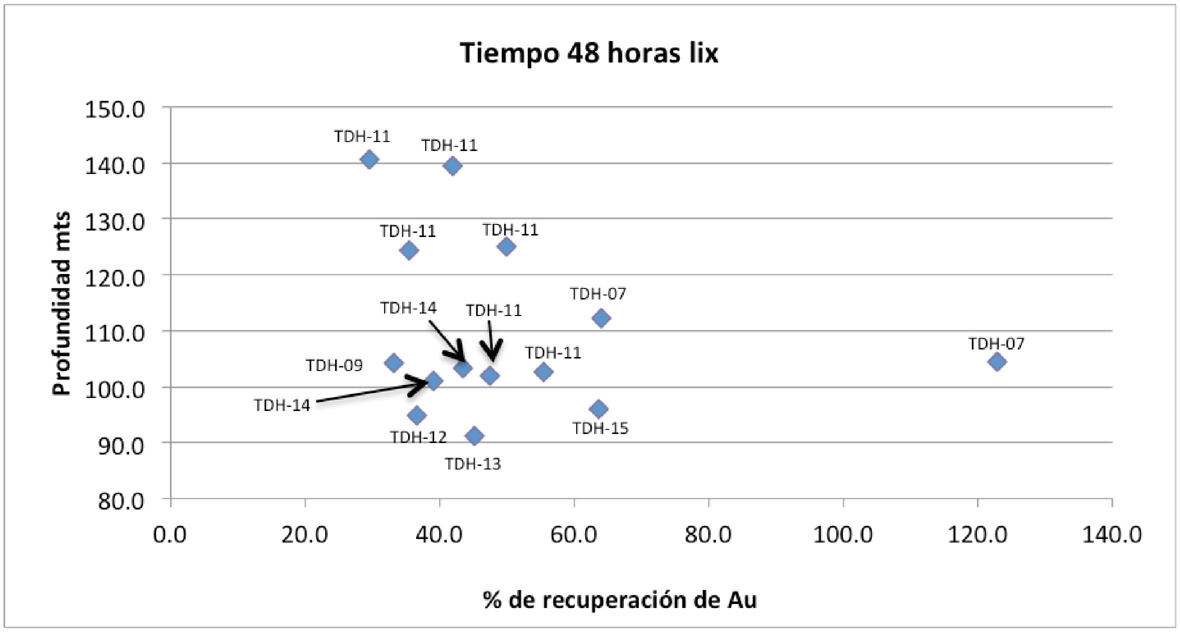
Primary Sulfide Zone; Au Recovery vs depth after 6 Hours.



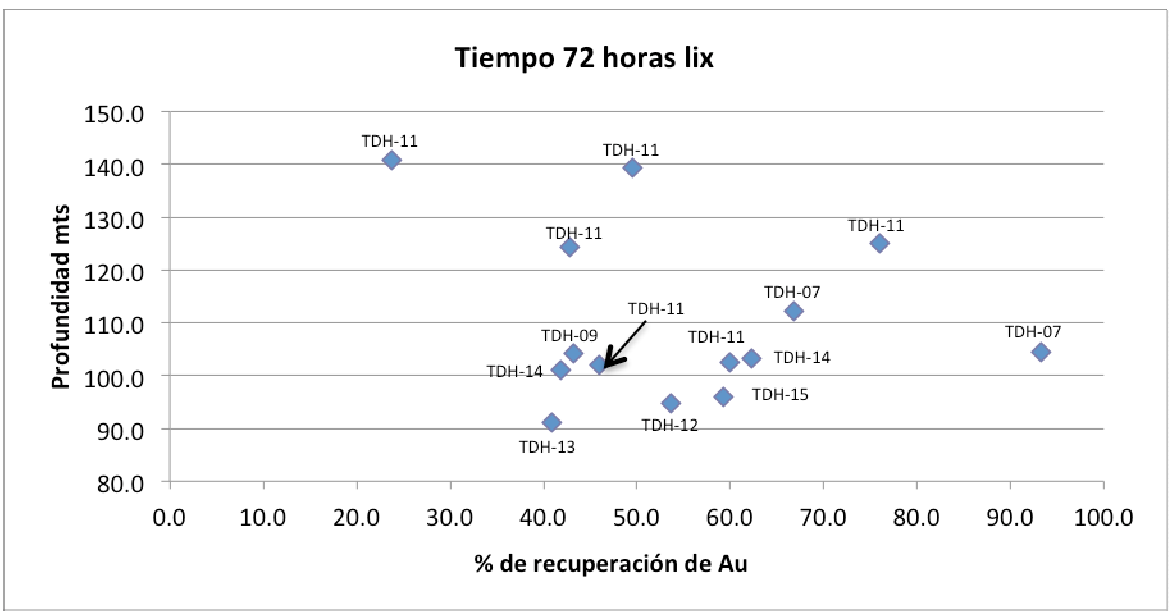
Primary Sulfide Zone; Au Recovery vs depth after 12 Hours.



Primary Sulfide Zone; Au Recovery vs depth after 24 Hours.



Primary Sulfide Zone; Au Recovery vs depth after 48 Hours.



Primary Sulfide Zone; Au Recovery vs depth after 72 Hours.