Technical Report on the Sunnyside Project, Arizona, USA

Prepared for:

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June 11, 2012

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1.0 SUMMARY

APEX Geoscience Ltd. (“APEX”) was retained in April of 2012 by Regal Resources Inc. (“Regal”) to provide geological services with respect to an evaluation of the Sunnyside Project (“the Project” or “the Property”) and the production of a NI 43-101 compliant technical report for the Property. The following report provides a summary of the recent work completed by Regal at the Property comprising historical data compilation, re-sampling and re-logging of historical drill core, new sampling of previously un-sampled drill core followed by revised data compilation with target evaluation. This report is intended to provide a summary of the technical merits of Sunnyside Project as part of Regal’s planned move to the TSX-V (Toronto Venture Exchange) from the CNSX (Canadian National Stock Exchange).

The Sunnyside Project is located approximately 25km northeast of the town of Nogales in southern Arizona, USA (Figure 1). The Property comprises approximately 298 contiguous unpatented lode mineral claims for an area of approximately 5,462.9 acres (2210.75 ha) and is being explored by Regal for its potential to host Porphyry Cu mineralization, along with other potential styles of mineralization related to the porphyry model.

This technical report was written in compliance with the standards set out in NI 43-101, along with its Companion Policy 43-101CP and Form 43-101F1 of the Canadian Securities Administration (CSA). This report includes a summary of available geological, geophysical and geochemical information for the Project. The author of this report, Mr. Andrew J. Turner, P.Geol., has conducted a review of the data discussed in this report and conducted a site visit between April 25 and 26, 2012. Mr. Turner is a “Qualified Person” as defined by National Instrument 43-101 and is fully independent of both the issuer (Regal) and the property vendor, MinQuest Inc. (“MinQuest”). During the course of the property visit, the author observed evidence of a significant hydrothermal system on the Property and the author is of the opinion that the Property warrants a significant exploration program going forward. Although historical drilling has been completed at the Property, there has been little activity over the last 20 years and what drilling has been conducted is relatively wide-spaced and no NI 43-101 resources have yet been defined at the Project. As a result, the Project is considered to be at a relatively early stage of exploration.


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GRAHAM
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PINAL
PIMA
COCHISE
SANTA CRUZ
PHOENIX
Tucson
SUNNYSIDE PROJECT
Nogles
USA
MEXICO
Gulf Of California
Map Source: Arizona Department of Transportation
Location Map Area
U S A
Legend
Sunnyside Project
City, Town
County
Interstate
US Route
State Route
REGAL RESOURCES INC.
Santa Cruz County, Arizona, USA
Sunnyside Project Location Map
0
250km
APEX Geoscience Ltd.
Edmonton, AB
June 2012

Figure 1

1.1 Property, Agreements and Work Permits

The Sunnyside Project comprises 298 unpatented lode mining claims covering a total of approximately 5,462.9 acres (2210.75 ha) within the Coronado National Forest that is administered by the United States Forest Service. The Project is located approximately 85km south of Tucson and 25km northeast of Nogales, Arizona (see Figure 1) in Santa Cruz County and is approximately centered on latitude 31°28' North and longitude 110°45' West and is located relative to UTM NAD 27 Zone 12 (Universal Transverse Mercator projection, Zone 12 of the 1927 North American Datum) between coordinates 521000m and 526000m East and 3483000m and 43477000m North.

The federal lode mining claims comprising the Sunnyside Property each measures a maximum of 1,500 feet x 600 feet and were located on the ground by hand-held GPS and have not been legally surveyed. Relative to the Public Lands Survey System (PLSS), the claims comprising the Property are located in portions of surveyed Sections 35 and 36, Township 22 South, Range 15 East, portions of surveyed sections 31 and 32, Township 22 south, Range 16 East, and in parts of unsurveyed Sections 5, 6, 7, 8, 17, and 18, Township 23 South, Range 16 East, and unsurveyed sections 1, 2, 12, 13, and 24, Township 23 south, Range 15 East, Salt and Gila River.

The BLM (Bureau of Land Management) database was queried by the author in order to confirm the status and ownership of the claims that comprise the Project. No significant issues were identified as all but 3 of the claims listed in Appendix I are registered with the BLM as "Active" with MinQuest as their "Claimant" (owner), with the exception of the "Bucket" claims that are owned by, and were acquired from, Russell and Brian Corn (see "Corn Agreement" below). The three (3) claims in question (VEN 112, 114 and 129) have recently been located on the ground by MinQuest and will be registered with the BLM shortly.

MinQuest Agreement

The Sunnyside Property comprised a number of unpatented lode mining claims that were owned by MinQuest and were originally acquired by Regal in 2010 through an "option agreement" dated January 10 of that year. Since that time, MinQuest has acquired additional claims that have been added to the Property according to the option agreement. Under the terms of this agreement, Regal has the right to earn a 100% interest in the Property, less a 3% NSR retained by MinQuest, by making cash payments totaling US$810,000 and by completing work expenditures totaling US$25.5 million over a ten year period with a US$40,000 cash payment and a US$500,000 work commitment in the first year. In addition, Regal would be required to issue 2,000,000 shares to MinQuest over the same ten year period (see Regal Press Release dated Feb

8, 2010).

In February of 2012 (see Regal Press Release dated Feb 3, 2012), Regal announced that it had reached an agreement with MinQuest, the property owner and vendor under the original "option agreement" described above, whereby the Sunnyside option agreement would be replaced by a "Purchase Agreement". The purchase agreement would, when fully executed and completed, replace the original option agreement and eliminate the cash, share and expenditure requirements therein. In return, Regal was required to pay MinQuest the sum of US$800,000, of which US$100,000 was to be paid as a non-refundable deposit within 3 business days of signing the Purchase Agreement, with the balance to be paid by the closing date of April 30, 2012. Furthermore, the purchase agreement would reduce the NSR retained by MinQuest from 3.0% to 1.5%.

Since the date of the original option agreement, the Property has evolved (grown) as a result of several staking events that were conducted by MinQuest on behalf of Regal. The claims that have been added to the Property have been staked within an "Area of Interest" (AOI), defined as 2 miles from the perimeter of the original Property boundary in the original option agreement. Any claims staked or acquired within the AOI are automatically added to the Property, which in turn redefines the AOI with respect to future staking and/or property acquisitions by both parties. As a result, Regal controls all of the claims listed in Appendix 1.

On April 30, 2012, and again on May 23, 2012, Regal and MinQuest amended the terms of the purchase agreement to modify the non-refundable deposit and the closing date of the agreement. As of the date of this report, a total of US$500,000 has been paid to MinQuest by Regal as a non-refundable deposit and a balance of $300,000 remains to be paid as of the amended closing date of June 30, 2012. As a result, the purchase of the Sunnyside Property remains incomplete but Regal continues to control the Property under the terms of the original "option agreement".

Corn Agreement

A group of 6 mineral claims (Buket 1-4 and 7-8) cover a central portion of the Sunnyside Property in the vicinity of the historical Sunnyside Mine. These claims predate MinQuest's claims in the same area. As a result, MinQuest entered into an agreement with respect to the acquisition of these claims with their owners, Russell and Brian Corn ("the Corns"), on December 5, 2006, which was subsequently amended on October 19, 2009. Under the terms of the amended agreement, MinQuest has been granted the option to earn a 100% interest in the 6 Buket claims, less a 3% NSR retained by the Corns, by making payments totaling US$415,000 over a 9 year period, US$45,000 of which has been paid and a further US$20,000 is due by December 5, 2012.

Permitting

The author is not aware of any environmental issues that would prevent Regal from exploring and potentially developing the Sunnyside Property.

Exploration activities at Sunnyside will be conducted under a Plan of Operations (POO) with the U.S. Forest Service (USFS), which owns all surface rights at the Property. Access to the project area and claim block is via public roads and USFS roads. Once the permit is issued, a suitable bond is posted as determined by the USFS and defined disturbances are allowed during the life of the permit. Currently, Regal has submitted a POO for further drilling at the Property and the permit is being processed by the USFS. Approval is anticipated in time for a 2012 work program.

1.2 Geology And Mineralization

Regional Geology

The Sunnyside Project is situated in a broad northwest trending corridor of porphyry copper deposits that straddles the U.S. – Mexico border. This corridor is defined by many deposits from Groupo Mexico’s La Caridad mine located in central Sonora, Mexico, through to Mercator Mineral’s Mineral Park mine located in northwestern Arizona.

Geographically (and geologically), the Sunnyside Project is located in southern Arizona within the Basin and Range province that covers most of the southwest United States and northwestern Mexico. The Basin and Range province is characterized by linear mountain chains separated by broad flat valleys that have resulted from tectonic extension that began some 17 million years ago in the Miocene.

The Project is located in the Patagonia Range of mountains approximately 25km northeast of Nogales, AZ. The range is cored by a Laramide, multi-phase intrusive complex comprising quartz monzonite to granodiorite and lesser quartz-feldspar porphyry. Radiometric age dates completed by the USGS and others (Graybeal, 2007) suggest the emplacement of the intrusive occurred between 74 and 58 Ma. As is typical of the Basin and Range region, where normal faulting often results in the juxtaposition of differently aged rocks, there is a fault zone along the Patagonia Range that causes Proterozoic crystalline rocks to crop out along the western range front whereas the eastern part of the range exposes complexly faulted Paleozoic to Mesozoic sedimentary and volcanic rocks. The Laramide intrusions fill the divide between the Precambrian and Paleozoic rocks. Younger Cenozoic-age volcanics were deposited over the northern portion of the range and are likely related to the extension that resulted in the development of the Basin and Range physiography.

Property Geology

As described above, the oldest rocks in the area occur along the western edge of the property. These rocks include a package of Proterozoic crystalline rocks described as meta-intrusive to meta-sediments. Along the eastern border of the project area Cretaceous sediments and volcanics overlay Paleozoic limestone and shale. Drilling has indicated apparently complex folding and faulting within the Paleozoic and Cretaceous rocks that is likely related to Laramide tectonics.

The central portion of the project area is composed of multiple phases of Laramide-age intrusive. The intrusive is composed of granodiorite to quartz monzonite with several quartz-feldspar-porphyry (QFP) intrusions. The Laramide intrusions now occupy a significant structural zone between the Precambrian rocks on the west and the Paleozoic-Cenozoic rocks on the east.

Covering the intrusive to the south, north and east are wide spread Tertiary volcanic and volcanoclastic material described as a lapilli tuff. This material is believed to be contemporaneous with the intrusive activity and derived from the same material. Much of the rock is highly altered with textures nearly completely replaced by pyrophyllite and silica where it overlies the mineralized intrusive at depth. The lapilli tuff was formed concurrent with the Sunnyside intrusive event. This event formed a circular feature approximately one mile in diameter and further described as a diatreme. The lapilli tuff and associated maar deposits filled the diatreme and breached the northeastern diatreme boundary. The lapilli tuff is believed to be derived from numerous cycles of pyroclastic eruptions and attendant intrusions.

Mineralization

During the property visit conducted by the author, it was apparent that a significant hydrothermal system is exposed at surface at the Sunnyside Property. The Sunnyside Project exhibits a very complex pattern of intrusive rocks that represent multiple phases of intrusive activity. Along with several of these phases of intrusion have come different phases of alteration and/or mineralization. However, the most intense alteration observed at surface appears to be focused around quartz-feldspar porphyry (QFP) intrusions. The QFP bodies appear to have been instrumental in the formation of an approximate 1.5km diameter diatreme overlying the deep porphyry copper system. The diatreme is composed of milled rock that has been described as lapilli tuff. Within the boundary of the diatreme several QFP outcrops present themselves as extrusive flow domes. The lapilli tuff and associated maar are extensively altered to an advanced argillic assemblage containing enargite, covellite and chalcocite. From historical drilling, the advanced argillic alteration grades downward into phyllic and then potassic alteration assemblages containing chalcopyrite and molybdenite. An alteration map of the property was compiled by Graybeal (1975) from several historical exploration programs.

The mineralization occurring within the project boundaries has been explored by various companies (Asarco, Kerr McGee, Anaconda, etc.) and has been studied by the U.S. Geological Survey (Vickre, *et al.* 2009 and Graybeal and Vikre, 2010) sporadically over the last forty years. The multi-phase intrusive core of the Patagonia Range in the area of the Property appears to have developed adjacent to/along a long-lived fault zone (Guajalote Fault). Vickre (2009) reports that at least six intrusive events occurred within the Patagonia Mountains over a period of 16 million years. The QFP stocks of Sunnyside intruded between 61 and 58 Ma (Graybeal, 2007, Vickre etal, 2009). Individual alteration areas overlap. All of the historical work has identified alteration and mineralization at Sunnyside that is consistent with the classic vertically and concentrically zoned porphyry copper system.

As a result of Regal's recent work to compile and re-evaluate all of the historical work completed at the Property, a number of discreet targets have been identified. The primary focus is obviously on the identification of porphyry copper (+/- molybdenum) mineralization. The main porphyry target comprises the deep porphyry system identified in historical drilling. However, recent mapping and analysis of new data generated from the examination of the historical drill core has identified a potential for identifying porphyry copper mineralization closer to surface in the vicinity (and likely west of) drillhole TR-11. In addition to the main porphyry targets, there is a potential for identifying significant copper mineralization in chalcocite enrichment zones located relatively near surface, which may represent the result of oxidation of potential shallow mineralization associated with porphyry and/or breccias systems. Finally, there is a potential for identifying significant base-metal skarn mineralization adjacent to the main porphyry system in calcareous Paleozoic rocks.

1.3 Exploration

Regal Resources has been active on the Sunnyside Project since its acquisition in 2010. Regal's exploration efforts have focused on data compilation and confirmation and target evaluation. The compilation work was conducted by personnel with MinQuest, who were retained by Regal as geological consultants.

Data compilation included acquiring and digitizing surface geochemical data including rock chip samples from the files of the U.S. Bureau of Mines (Chatman, 1994), the Arizona Department of Mines and Mineral Resources, and historical exploration reports (largely unpublished) produced by companies such as ASARCO, Anaconda, Kerr-McGee, West Range (now Xstrata) and Rio Algom. More importantly, Regal has located and acquired a considerable amount of the drill core that remains from historical drilling completed at the project. This compilation effort, which included the re-logging and sampling of many of these drill cores, has confirmed historical findings and provided additional data that has allowed for the refinement of the geological model at Sunnyside and the mineralization targets that are discussed in the Conclusions and Recommendations sections of this report as the focus for future exploration at the Project.

Historical Drill Core and Drill Data

Regal has located and acquired a considerable amount of the drill core that remains from historical drilling completed at the project. A detailed program of cataloguing, logging (re-logging), photographing, and re-assaying of the available historic drill core was completed during the first half of 2011. Logging and reinterpretation of the previous drilling has confirmed and refined the target concepts being advanced by Regal. Regal Resources has (re-) logged five (5) “deep” core holes and 12 shallower core holes at Sunnyside to evaluate lithologies, alteration and mineralization within the system.

Along with the re-logging of the five (5) deeper and 12 shallower historical drillholes completed on the Property, Regal has evaluated drill logs and core from 8(+) other historical drillholes. The re-logging and evaluation of the 5 deeper historical drillholes, in particular, has provided a consistent nomenclature that has been applied to the other historical drillholes, all of which were the result of multiple drilling (and logging) programs completed by different workers and were difficult to compile previously without this common framework. In the opinion of the author, this is the most significant outcome from the recent work completed by MinQuest on behalf of Regal and has resulted in an interpretive cross section that illustrates the geological potential of the Property and provides an excellent geological model for the Property that can be used as a guide for future exploration.

Geochemically, Regal selected 78 samples from historic core holes drilled within the chalcocite target area for resampling and reassay. The core holes (BB 2, 3, 4 and 6) are located in the northeastern portion of the project area. Samples were collected from core along the same intervals as historic assays. The new samples were submitted to Skyline Labs in Tucson, Arizona. The historic core sampling results of the Chalcocite Target were confirmed by the recent reassays conducted by Regal indicating significant intervals of copper and silver mineralization.

A summary of selected portions of Regal's re-assay program is provided below in Tables 1 and 2. More detailed results of the re-assay program are provided in Appendix 2.

Table 1. Sunnyside Chalcocite Target Confirmation Analyses.

Hole ID	From (m)	To (m)	Interval (m)	Cu (%)		Ag (g/t)	
				(Historical)	(Regal)	(Historical)	(Regal)
BB - 2	12.20	42.68	30.48	0.47	0.45	2.2	4.4
BB - 3	4.27	27.44	23.17	0.60	0.27	0.8	4.9
BB - 3	182.93	219.51	36.58	0.32	0.32	2.0	3.2
BB - 4	3.90	57.93	54.03	0.46	0.45	2.1	3.6
BB - 6	6.10	36.59	30.49	0.32	0.34	4.2	8.6
BB - 6	91.46	149.39	57.93	0.64	0.82	4.6	12.8

Table 2. Sunnyside Skarn Target Confirmation Analyses.

Hole ID	From (m)	To (m)	Interval (m)	Cu (%)	Pb (%)	Zn (%)	Ag (oz/ton)	Source
TCH-2	1418.25	1435.63	17.37	1.20	4.97	12.15	11.00	ASARCO - Historic
			(57ft)	1.17	4.27	10.70	9.86	REGAL (new)
	1453.00	1490.79	37.79	0.23	0.98	14.08	7.36	ASARCO - Historic
			(124ft)	0.23	0.91	13.58	7.36	REGAL (new)
TCH-2A	1255.79	1267.98	12.19	1.48	0.30	0.60	2.20	ASARCO - Historic
			(40ft)	1.42	0.26	0.58	2.41	REGAL (new)

The results of this work confirmed that historically reported grades and thicknesses of mineralization exist in both the skarn zone and at least two significant zones of chalcocite-rich mineralization. The data also provides confidence with respect to other historical data in that it shows remarkable consistency and repeatability for the copper assays. While silver assays are generally higher from the recent re-assay program, the range of silver values within mineralized zones is confirmed. These limited results suggest that historic assays from the Patagonia project are reliable and likely to be repeated by subsequent drilling or re-assaying.

Additional sampling conducted by Regal tested additional samples of the chalcocite and skarn targets along with the deep porphyry target and resulted in the collection of a further 183 samples of core from drillholes TCH2, TCH-2A, TM-13 and TM-14, 78 of which comprised samples of previously unsampled core. In summary, these samples confirmed and added to historical intersections.

In addition to the Cu and Ag values summarized above, the recent resampling of some historic drilling and surface samples indicate potential for low grade rare earth, rhenium and bismuth mineralization. Lanthanide elements are enriched in several areas of drilling and are occasionally present in surface sampling. Although poorly understood, these elements should be further studied for near surface potential. Bismuth is intimately associated with the massive sulfide portion of the skarn and should be evaluated in future drill programs. Rhenium values are intimately associated with molybdenum within the porphyry and skarn alteration.

1.4 Recommendations

In the opinion of the author of this report, the results generated by the data compilation and historical drill core re-logging and sampling program recently completed by Regal at the Sunnyside Project are sufficiently encouraging to warrant a significant exploration program. Furthermore, the author was impressed by the extent and degree of alteration observed in outcrops at the Property during a site visit conducted in late April 2012, which clearly indicates that a significant hydrothermal system has affected the rocks underlying the Property.

The Sunnyside Property hosts compelling shallow (within ~1000m of surface) and deep (below ~1000m of surface) Porphyry Cu-Mo targets. In addition, the Property hosts shallow Cu (+/- Ag) targets comprising mineralization associate with chalcocite enrichment zones and abundant breccias pipe systems, the latter having been mapped throughout the Property. Finally, base metal skarn mineralization has been intersected in several deep drillholes located on the northeastern portion of the Property.

In the opinion of the author, the Cu-Mo porphyry and Cu-Ag breccia and chalcocite targets are the most compelling and warrant further exploration. A phased exploration program is recommended. The Phase 1 exploration program would comprise a large soil sampling and ground geophysical program intended to examine the potential for identifying Cu (+/-Ag) mineralization associated with relatively shallow level breccias and/or chalcocite enrichment zones and the shallow Cu porphyry target.

The author recommends the completion of a large array (deeper penetrating) IP (Induced Polarization) survey as part of the Phase 1 exploration program. IP geophysical surveying is a technique that is commonly applied to the exploration of porphyry Cu systems due to its ability to highlight disseminated sulphide minerals associated with this deposit model. Modern survey systems, such as the Titan 24 system used by Quantec Geoscience, have the benefit of being able to penetrate to, and generate data from, significant depths and may even be able to provide information applicable to the targeting of the deep porphyry target at the Property. This is the primary reason for phasing the recommended exploration program as this will allow for the completion of such a deep-penetrating geophysical survey that may provide information to assist in the targeting of drilling to test the deep porphyry Cu target at the Property.

Drill testing of shallow breccias zone, chalcocite and porphyry targets, along with drill testing of the deep porphyry target, comprise the second phase of the recommended exploration program at the property. Obviously, the lower cost of conducting shallow drilling, combined with the benefits of identifying a potentially open-pitable resource at the property, would lead one to prioritize this effort over deeper drilling. However, a limited deep drilling program is recommended based on the fact that historical drillholes have already identified porphyry copper mineralization at the deep target and thus there exists a significant potential for identifying a potentially economic deposit analogous to that at the Resolution Cu Project, for example, located near Superior, AZ (see the Adjacent Properties section of this report).

In summary, the estimated cost of the Phase 1 soil sampling and geophysical surveying program is approximately **US$300,000**. The estimated cost of the Phase 2 drilling program is approximately **US$2,200,000**. As a result, the total cost of the recommended exploration programs at the Property is estimated at **US$2.5M**. All of the work items listed above are considered by the author to be warranted at this time and none are contingent on the results of any of the others. The porphyry, chalcocite and skarn targets are defined sufficiently at this time to allow for further drill testing. The geophysical and geochemical surveys comprising the Phase 1 program are intended to explore for additional targets on the Property and refine the targeting for a Phase 2 drill program.

2.0 INTRODUCTION

APEX Geoscience Ltd. (“APEX”) was retained in April of 2012 by Regal Resources Inc. (“Regal”) to provide geological services with respect to an evaluation of the Sunnyside Project (“the Project” or “the Property”) and the production of a NI 43-101 compliant technical report for the Property. The following report also provides a summary of the recent work completed by Regal at the Property comprising historical data compilation, re-sampling and re-logging of historical drill core, new sampling of previously un-sampled drill core followed by revised data compilation with target evaluation. This report is intended to provide a summary of the technical merits of Sunnyside Project as part of Regal’s planned move to the TSX-V (Toronto Venture Exchange) from the CNSX (Canadian National Stock Exchange).

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This technical report was written in compliance with the standards set out in NI 43-101, along with its Companion Policy 43-101CP and Form 43-101F1 of the Canadian Securities Administration (CSA). This report includes a summary of available geological, geophysical and geochemical information for the Project. The author of this report, Mr. Andrew J. Turner, P.Geol., has conducted a review of the data discussed in this report and conducted a site visit between April 25 and 26, 2012. Mr. Turner is a “Qualified Person” as defined by National Instrument 43-101 and is fully independent of both the issuer (Regal) and the property vendor, MinQuest Inc. (“MinQuest”). During the course of the property visit, the author observed evidence of a significant hydrothermal system on the Property. The author collected 6 rock grab samples and 1 sample from drill core that confirmed the presence of mineralization and alteration (see the Exploration Section of this report for additional details).

3.0 RELIANCE ON OTHER EXPERTS

This report, written by Mr. Andrew J. Turner, B.Sc., P.Geol., Senior Geologist and Partner in the geological consultant firm APEX Geoscience Ltd., is a compilation of proprietary and publicly available information as well as information obtained during property a visit, which the author conducted between April 25 and 26, 2012. The author's certificate sheet is presented at the end of this report.

This technical report was written in compliance with the standards set out in NI 43-101, its Companion Policy 43-101CP and Form 43-101F1 of the Canadian Securities Administration (CSA). This report includes a summary of available geological, geophysical and geochemical information for the Project. The principle author of this report, Mr. Andrew J. Turner, P.Geol., has conducted a review of the data discussed in this report and conducted a site visit between April 25 and 26, 2012. Mr. Turner is a "Qualified Person" as defined by National Instrument 43-101 and is fully independent of both the issuer (Regal) and the property vendor, MinQuest Inc. ("MinQuest"). During the course of the property visit, the author observed evidence of a significant hydrothermal system at the Property. The author collected 6 rock grab samples and 1 confirmation sample from drill core that confirmed the presence of mineralization and alteration (see the Exploration Section of this report for additional details).

The author was shown around the Property by Mr. Herb Duerr of MinQuest, who are vending the Property to Regal. Personnel form MinQuest have conducted the majority of the recent re-evaluation/exploration work at the Property, including data compilation and mapping. The author, in writing this report, has reviewed the recent work completed on the Property and found that it was completed in accordance with industry standards by well experienced and professionally registered geologists. The author found no significant issues or inconsistencies that would cause one to question its validity.

The author, in writing this report, has used as sources of information those publications listed in the references section. Government reports referenced by this report were prepared by a person (or persons) holding post secondary geology or related university degrees and, therefore, the information in those reports is assumed to be accurate. Any reports referenced herein that were written by other geologists prior to the implementation of the standards relating to National Instrument 43-101 may be assumed by the reader to be accurate based on a review of the information conducted by the author, although any such information will not be the sole basis for any conclusions or recommendations made in this report.

A recent Technical Report (Noland, 2011) was completed for the Sunnyside Property that was not accepted by the TSX. The author of this report, Mr. Turner, has conducted a review of the previous Technical Report (Noland, 2011) and has borrowed sections from it, where applicable and with permission, that have been incorporated into this report (Accessibility, Climate, Infrastructure and Physiography, Regional Geology, Deposit Types and History sections).

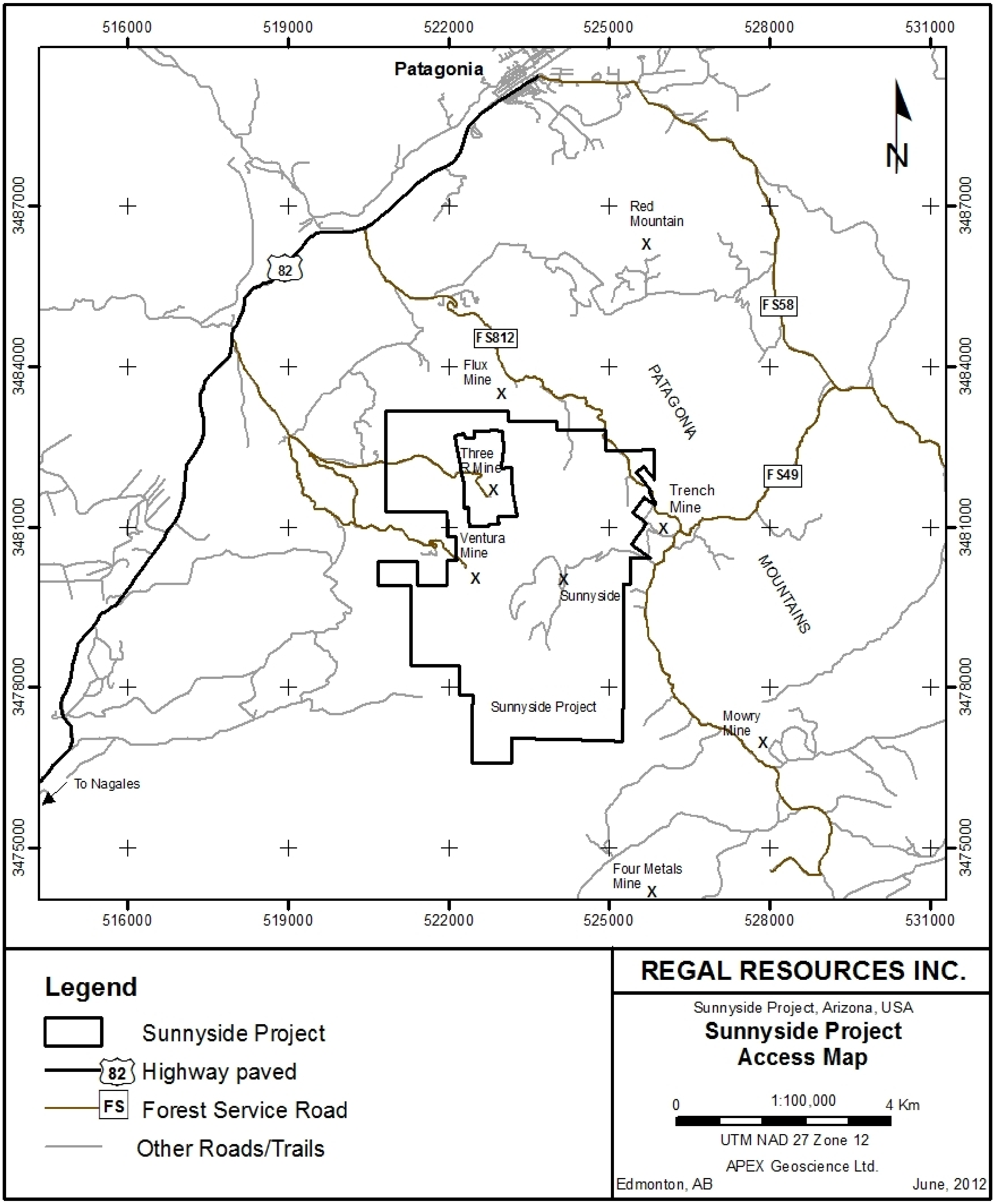
4.0 PROPERTY DESCRIPTION AND LOCATION

The Sunnyside Project comprises 298 unpatented lode mining claims covering a total of approximately 5,462.9 acres (2210.75 ha). The property straddles three separate mining districts in Santa Cruz County, Arizona. These districts are referred to as the Harshaw (northeast), Patagonia (south) and Palmetto (northwest) mining districts in the historic literature. The Property lies within the Coronado National Forest that is administered by the United States Forest Service, an agency of the United States Department of Agriculture.

The project is located approximately 85km south of Tucson and 25km northeast of Nogales, Arizona (see Figure 1 and 2). The Property is approximately centered on latitude 31^{o}28' North and longitude 110^{o}45' West and is located relative to UTM NAD 27 Zone 12 (Universal Transverse Mercator projection, Zone 12 of the North American Datum established in 1927) between coordinates 521000m and 526000m East and 3483000m and 43477000m North.

The federal lode mining claims comprising the Sunnyside Property each measures a maximum of 1,500 feet x 600 feet and were located on the ground by hand-held GPS and have not been legally surveyed. Relative to the Public Lands Survey System (PLSS), the claims comprising the Property are located in portions of surveyed Sections 35 and 36, Township 22 South, Range 15 East, portions of surveyed sections 31 and 32, Township 22 south, Range 16 East, and in parts of unsurveyed Sections 5, 6, 7, 8, 17, and 18, Township 23 South, Range 16 East, and unsurveyed sections 1, 2, 12, 13, and 24, Township 23 south, Range 15 East, Salt and Gila River Meridian (Figure 3).

A list of the claims that currently comprises the Property is provided in Appendix 1. The BLM (Bureau of Land Management) database (LR2000) was queried by the author in order to confirm the status and ownership of the claims that comprise the Project. No significant issues were identified as all but 3 of the claims listed in Appendix 1 are registered with the BLM as “Active” with MinQuest as their “Claimant” (owner), with the exception of the “Bucket” claims that are owned by, and were acquired from, Russell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Ventura Mine
Sunnyside
Sunnyside Project
Mowry Mine
To Nagales
Four Metals Mine
Legend
Sunnyside Project
82 Highway paved
FS Forest Service Road
Other Roads/Trails
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Sunnyside Project Access Map
0
1:100,000
4 Km
UTM NAD 27 Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June, 2012

Figure 2.

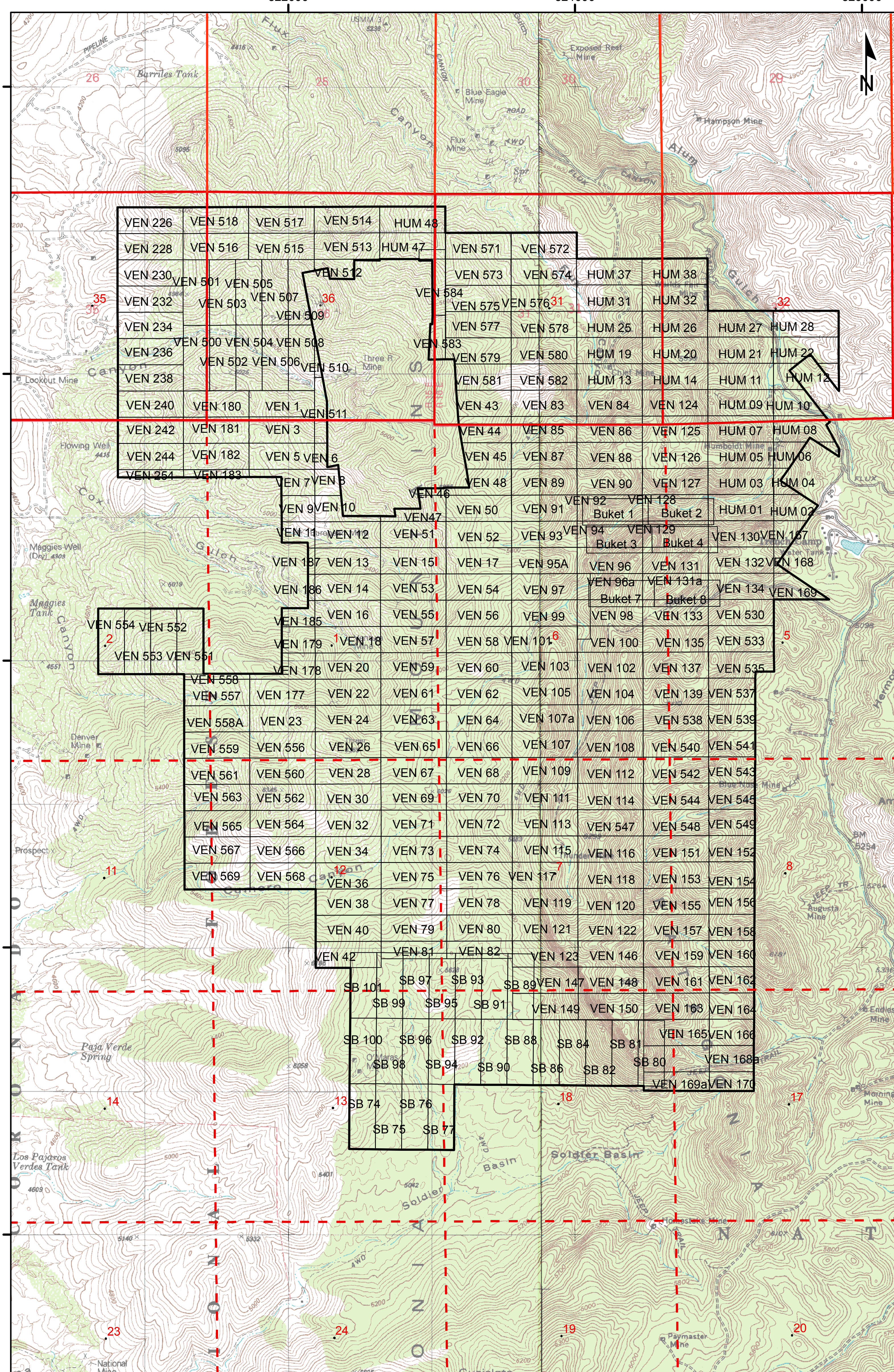
and Brian Corn (see “Corn Agreement” below). The three (3) claims in question (VEN 112, 114 and 129) have recently been located on the ground by MinQuest and will be registered with the BLM shortly.

The information provided by the BLM describes the general location of each claim relative to the Arizona PLSS (Township and Range system). This information was compared against the location of each claim, as illustrated in Figure 3, which was provided to APEX by MinQuest on behalf of Regal. No issues were identified by this review. Furthermore, the specific location of several claims was confirmed by the author through a field visit where location monuments and corner posts were identified on the ground, and a comparison with information contained in documents and detailed claim location figures that were provided by the Santa Cruz County Registrar in Nogales, AZ.

Property Agreements

The Sunnyside Property comprised a number of unpatented lode mining claims that were owned by MinQuest and were originally acquired by Regal in 2010 through an “option agreement”. Since that time, MinQuest has acquired additional claims that have been added to the Property according to the agreement. Under the terms of the option agreement, Regal has the right to earn a 100% interest in the Property, less a 3% NSR retained by MinQuest, by making cash payments totaling US$810,000 and by completing work expenditures totaling US$25.5 million over a ten year period with a US$40,000 cash payment and a US$500,000 work commitment in the first year. In addition, Regal would be required to issue 2,000,000 shares to MinQuest over the same ten year period (see Regal Press Release dated Feb 8, 2010).

In February of 2012 (see Regal Press Release dated Feb 3, 2012), Regal announced that it had reached an agreement with MinQuest, the property owner and vendor under the original “option agreement” described above, whereby the Sunnyside option agreement would be replaced by a “Purchase Agreement”. This new “definitive agreement” would, when fully executed and completed, replace the original option agreement and eliminate the cash, share and expenditure requirements therein. In return, Regal was required to pay MinQuest the sum of US$800,000, of which US$100,000 was to be paid as a non-refundable deposit within 3 business days of signing the Purchase Agreement, with the balance to be paid by the closing date of April 30, 2012. Furthermore, the new “definitive agreement” would reduce the NSR retained by MinQuest from 3.0% to 1.5%.



Legend

Claim Boundary; Identifier

Surveyed Township and Range; Identifier

Unsurveyed Township and Range; Identifier

REGAL RESOURCES INC.

Sunnyside Project, Arizona, USA

Sunnyside Project Map as of June1,2012

0 1:30,000 1 Km

UTM NAD 27 Zone 12

APEX Geoscience Ltd.

Edmonton, AB June, 2012

Figure 3.

Since the date of the original "option agreement", the Property has evolved (grown) as a result of several staking events that were conducted by MinQuest on behalf of Regal. The claims that have been added to the Property have been staked within an "Area of Interest" (AOI), defined as 2 miles from the perimeter of the original Property boundary in the original "option agreement". Any claims staked or acquired within the AOI are automatically added to the Property, which in turn redefines the AOI with respect to future staking and/or property acquisitions by both parties. As a result, Regal controls all of the claims listed in Appendix 1.

On April 30, 2012 Regal and MinQuest signed an amendment to the "definitive agreement" described above whereby the closing date was changed to May 30, 2012, and the non-refundable deposit was increased to US$500,000 by requiring an additional payment to MinQuest by Regal of US$400,000.

On May 23, 2012, Regal and MinQuest further amended the terms of the "definitive agreement" described above whereby, in exchange for a nominal fee, the closing date was changed to June 30, 2012. As of the date of this report, a total of US$500,000 and 50,000 shares of Regal has been paid to MinQuest by Regal and a balance of US$300,000 remains to be paid as of the amended closing date of June 30, 2012. As a result, the purchase of the Sunnyside Property remains incomplete and Regal continues to control the Property under the terms of the original "option agreement".

Corn Agreement

A group of 6 mineral claims (Buket 1-4 and 7-8) cover a central portion of the Sunnyside Property in the vicinity of the historical Sunnyside Mine. These claims predate MinQuest's claims in the same area. As a result, MinQuest entered into an agreement with respect to the acquisition of these claims with their owners, Russell and Brian Corn ("the Corns"), on December 5, 2006, which was subsequently amended on October 19, 2009. Under the terms of the amended agreement, MinQuest has been granted the option to earn a 100% interest in the 6 Buket claims, less a 3% NSR retained by the Corns, by making payments totaling US$415,000 over a 9 year period, US$45,000 of which has been paid and a further US$20,000 is due by December 5, 2012.

Permitting

The author is not aware of any environmental issues that would prevent Regal from exploring and potentially developing the Sunnyside Property.

Exploration activities at Sunnyside will be conducted under a Plan of Operations (POO) with the U.S. Forest Service (USFS), which owns all surface rights at the Property. Access to the project area and claim block is via public roads and USFS roads, which are shown on Figures 2 and 3. Legal access is available to Regal and the public at large with no restriction. Under the POO, exploration permits are issued for specific work programs with allowable areas of total disturbance defined by individual Ranger Districts. Once the permit is issued, a suitable bond is posted as determined by the USFS and defined disturbances are allowed during the life of the permit. Currently, REGAL has submitted a POO for further drilling at the Property and the permit is being processed by the USFS. Approval is anticipated in time for a 2012 work program.

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Sunnyside property is located in Santa Cruz County, Arizona within a broad swath of porphyry copper deposits that can be followed from La Caridad in Mexico to Mineral Park located in the northwestern part of Arizona. The historic Patagonia Mining District is located in the Patagonia Mountains crossing from Sonora State in Mexico into Santa Cruz County, Arizona. The Sunnyside Project is centrally located roughly along the middle of the Patagonia Mountains (Figure 2). Mount Washington is the highest point in the range at 2,201m ASL, and is some 7km south of the southern border of the property. The range is generally steep and rugged on the north and south ends with moderate to steep topography in the center. Elevations vary greatly, due to the significant topographic relief, ranging from approximately 1400m in the northwestern potions of the Property up to approximately 2200m in the southern portions of the property.

Vegetation is fairly typical for the elevated portions of the Sonoran desert region where cactus gives way to forest. The property area includes desert grasses, occasional cacti and thick shrubs and trees comprising manzanita, mountain mahogany, cedar and oak. The climate is arid to semi-arid with daily temperatures averaging approximately 7°C in winter and about 26°C in summer. Annual precipitation averages 375-550mm with the bulk of the rain resulting from showers and thundershowers that occur from July to October, referred to locally as the “monsoon season”. Occasionally, snow may fall in the winter but field work can usually be undertaken year-round.

Water is not abundant with most of the local supply derived from wells, springs and rivers. Springs are common in the higher canyons. Many of the streams have intermittent flows. Water for historical drilling was trucked to site having been sourced elsewhere. However, an historical drillhole in Humboldt Canyon intersected artesian waters and the flow is thought to be sufficient to support a single drill.

Road access to the Property is available along the east and central portions of the property from the town of Patagonia, Arizona, which in turn is accessed on State Highway 82 from Nogales (see Figure 2). From Patagonia, one exits south onto the County maintained Harshaw Road (also designated as Forest Roads 58 and 49) and continue for 14 kilometers and then turns west on Forest road 812 for ~700m to access the north portion of the property. The Harshaw Road from Patagonia is partially paved and otherwise a well graded two lane gravel road suitable for large vehicles or two passenger cars at a time. The Forestry roads and trails on the property are unmaintained dirt roads suitable for 4x4 vehicles only. An ever-present risk in the southwest U.S. is the potential for flash-flooding during times of precipitation.

The town of Patagonia offers few services. Most supplies and services required for exploration are available in Nogales, 32 km (by road) southwest of Patagonia or in Tucson which is 100 km (by road) north of Patagonia. A full scale mining operation would likely draw manpower and other resources from Patagonia, Nogales and Tucson, AZ (see Figures 1 and 2). Power is readily available via a cross county transmission line adjacent to the property. There is abundant open and relatively flat land both to the east and west of the project boundaries that would be suitable for tailings, leach pads, and waste storage facilities.

6.0 HISTORY

The Sunnyside Property is located within the margins of the Patagonia, Harshaw and Palmetto mining districts (Figure 3), portions of which were worked as early as 1859 (Chatman, 1994). Rich silver grades were initially extracted from the Mowry Mine (Schrader, 1915). In addition, the Trench, Compahgre, and other veins were being worked in the Patagonia Mountains, augmenting the installation of smelters for the reduction of these ores (Schrader, 1915). In the early 1900's the United States Smelting And Refining Company erected a custom smelter and mill for ores throughout the Harshaw, Palmetto and Patagonia districts (Schrader, 1915; Chatman, 1994).

The first reported "modern" exploration work started in 1912 when Magma Copper explored and mined the high-grade chalcocite ores at the 3R Mine (Chatman, 1994).

During this same period, United States Smelting and Refining Company (USSRC) erected a custom smelter on the site of the Trench patents and proceeded to mine the base and precious metals veins that occur within the Trench Property. This mining and smelting activity took place from 1906 to 1962 (Chatman, 1994). The life-of-mine production (1918 to 1945, as well as the latter half of the 1800's) for the "Trench Mine" was approximately 237,000 stone (~1500 tonnes) of material averaging 8.5% Pb, 6.3% Zn, 13 oz/st (~6.4%) Ag, and minor Cu and Au (Kieth, 1975).

Kino Copper Co. acquired the '4 Metals Mine' in the early 1920's, and diamond drilling on the property was completed in 1929-1930 by Paul Billingsley. Three holes of approximately 1000 feet (~300m) in depth were completed (Farnham, 1953). Coronado Mines Inc. took control of the property in 1942 and existing mine workings were sampled by the American Smelting and Refining Co. (Chatman, 1994). Drilling on the property took place once again in 1954 by Potash Co. and Duval Sulfur (AGDC, 1954). From 1963 to 1965, extensive diamond drilling was conducted on the property by Noranda Mines Ltd. and subsidiary West Range Co., however, data is unavailable for this work (Johnson, 1963; Penny 1965).

The 3R Mine was incorporated as part of the 3R Mine Group by Keith (1975), and includes the 3R Mine, the West Side Mine, and one other (the Blue Rock No. 8 ?). Significant production from the 3R Mine Group ensued in 1912, and 30,000 st (~190 tonnes) of ore with 9% Cu was shipped from 1912 to 1914 (Chatman, 1994). In the late 1910's, Harrison Interests took over operations and constructed a "semiflotation" mill to work on 3% to 5% Cu ores (Handverger, 1963). An option was taken by Patagonia-Superior Co. (a Magma Co. subsidiary) wherein 10,000 st (~63 tonnes) of 2% to 3% Cu was delineated (Handverger, 1963). During the 1920's, Magma Copper conducted diamond drilling, mining, and mill construction (Chatman, 1994). It is estimated that approximately 4,500 st (~28 tonnes) were mined from 1914 to 1944 (Chapman, 1944).

In 1950, Kennecott Copper Corp. began exploration in the region for (low-grade) high-tonnage copper deposits, which was followed by surface and underground sampling, as well as five diamond drill holes by Consolidated Copper Mines Co. in 1951 (Chatman, 1994). Copper concentrations above the cutoff target were found only in fracture zones, not in bulk-minable zones (Chatman, 1994). Two more lease operations followed up to 1956, where production of approximately 1,100 st (~7 tonnes) occurred. McFarland and Hullinger leased the site in 1959 and 1962 and conducted a geologic assessment; the site was sold to Anaconda in 1963 (Chatman, 1994). Anaconda entered a joint exploration venture with ASARCO from 1972 to 1979, and drilling was conducted by Anaconda during this period (Pierce, 1979; Chatman, 1994). Total life-of-mine production from the 3R Mine Group (1908 to 1956) is estimated to be 130,000 st of 4%

Cu average, with minor Ag, Pb, Zn, and Au (Keith, 1975).

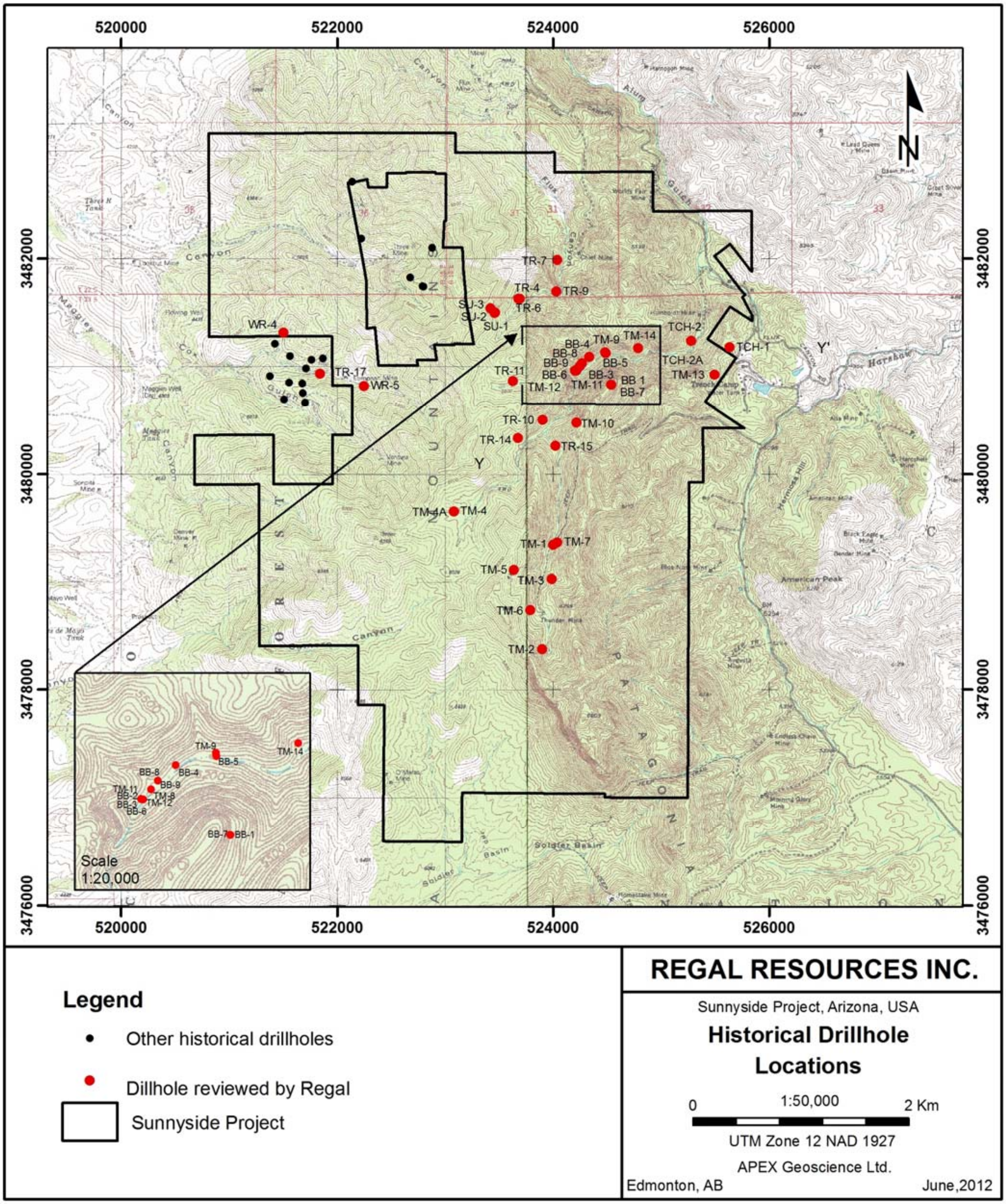
In 1929 Anaconda conducted exploration core drilling at both the 4 Metals and 3R mines. No economic mineralization for the time was found. In the early 1940's to 1958 ASARCO (originally the USSRC) explored and mined the Flux Canyon Mine for flux and base metal feed for the smelter. In 1948, both Consolidated Copper and ASARCO began exploration through drill programs of various breccia pipes and surface copper oxide showings (Wilson, 1951 – Pat1951). The site was purchased by American Smelting and Refining Co. in 1939 (Chatman, 1994). Mining had been worked to a depth of 430 feet by 1944, and deep sulfur ores (lead-zinc-silver) were replacing oxide ores as the primary economic target (Kartchner, 1944). Production of 4000 st/month occurred during the early 1950's (Chatman, 1994). According to Asarco records with the Arizona Geological Survey, 1.5 million tons was mined from the Flux Canyon area between 1950 and 1962. The average grade was reported to be 7% combined lead-zinc and 4.5 oz/ton silver.

In the 1960's Anaconda, Inspiration, Phelps Dodge, Kerr McGee and West Range held property positions and conducted drilling within and adjacent to the Property boundaries (Graybeal, 1972; Kurtz, 1972; Sell, 1992; Chatman, 1994). Additional companies involved in exploration of adjacent areas between the 1950's and 1970's include Superior Oil, Utah Construction, Continental Copper, Duval Sulfur, Getty Oil, and others (Chatman, 1994).

From 1971 to 1974 ASARCO consolidated all mineral rights in and around the Sunnyside Project (Graybeal, 1972) through various JV agreements. Although Kerr McGee, West Range and Anaconda had drilled moderate to deep holes (Graybeal, 1972), none had explored the central portion of the current Property because of a confluence of claim boundaries. ASARCO began what turned out to be a drill program that explored both the shallow and deep portions of the Sunnyside porphyry copper-molybdenum system. This drilling was carried out from 1974 to 1988 (Graybeal, 1974a; 1974b; 1974c; 1976; 1980; Koutz, 1981a; 1981b; 1982; 1985; 1986; 1988; Kurtz, 1975). The last known exploration within the boundaries of the claim position occurred in 1993 when Rio Algom conducted shallow RC drilling on the southern portion of the project area. No significant exploration has been conducted within the Property boundaries since that time.

Reliable records are available for work completed by Anaconda, ASARCO, Kerr McGee, Rio Algom and West Range (Graybeal, 1972). Various areas within and adjacent to the boundaries of the current Property were tested by approximately 125 drill holes between 1951 and 1993. Of these areas, some 43 holes tested the

Sunnyside, BX, Bucket, and Skarn targets. The bulk of the remaining holes are located adjacent to the northwestern portion of the Property. Available records indicate that all but five intersected significant grades of mineralization in portions of each hole. Locations of these holes are shown on Figure 4 and a summary of significant historical intersections is provided in Tables 3a, 3b and 3c. The earlier phases of drilling by mining and exploration companies in the 1950's through the early 1970's revealed the existence of one or more significant, if deep, intrusive porphyry systems (Graybeal, 1972, 2007), including adjacent skarn mineralization. Work by ASARCO in the 1970's further refined and defined the locations of the main mineralized areas that are discussed in later sections of this report.



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WR-5
TM-14
TCH-2
TCH-1
TCH-2A
TM-13
BB-4
TM-9
BB-8
BB-9
BB-5
BB-6
BB-3
TR-11
TM-12
TM-11
BB 1
BB-7
TR-10
TM-10
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TM-4A
TM-4
TM-1
TM-7
TM-5
TM-3
TM-6
TM-2
Scale
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Legend
Other historical drillholes
Dillhole reviewed by Regal
Sunnyside Project
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Historical Drillhole Locations
0
1:50,000
2 Km
UTM Zone 12 NAD 1927
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 4.

Table 3a. Sunnyside Project Significant Historical Drillhole Intersections – Chalcocite Zones.

Hole No.	Total Depth (ft)	Total Depth (m)	From (ft)	To (ft)	Interval (ft)	Interval (m)	% Cu	Ag (oz/ton)
Sunnyside-Bucket Breccia - Chalcocite Zone								
TM-8	5,677	1730.37	200	540	340	103.63	0.46	0.31
TM-9	1,745	531.88	500	900	400	121.92	0.12	0.17
TM-10	567	172.82	190	400	210	64.01	0.02	0.25
TM-11	668	203.61	40	350	310	94.49	0.40	0.33
TM-12	622	189.59	10	570	560	170.69	0.26	0.3
including			10	100	90	27.43	0.41	0.21
TR-10	5,486	1672.15	110	160	50	15.24	0.63	0.21
and			310	360	50	15.24	0.31	0.15
TR-11	5,448	1660.57	20	200	180	54.86	0.27	tr
TR-14	5,407	1648.07	120	190	70	21.34	0.47	0.21
TR-15	5,309	1618.20	40	110	70	21.34	0.12	0.17
BB-1	821	250.24	350	490	140	42.67	0.41	tr
BB-2	517	157.58	40	140	100	30.48	0.60	0.04
BB-3	725	220.98	14	90	76	23.17	0.60	0.04
BB-4	797	242.93	10	190	180	54.86	0.47	0.04
BB-5	800	243.84	230	310	80	24.38	0.15	tr
BB-6	800	243.84	340	450	110	33.53	0.91	0.27
BB-7	736	224.34	340	490	150	45.72	0.03	0.17
BB-8	600	182.88	130	294	164	49.99	0.41	0.27
BB-9	510	155.45	310	410	100	30.48	0.21	0.09
BX Breccia - Chalcocite Zone								
TR-4	1,927	587.36	40	100	60	18.29	0.17	tr
and			540	640	100	30.48	0.37	tr
TR-6	2,106	641.92	360	600	240	73.15	0.17	tr
SU-1	701	213.67	305	551	246	74.98	0.20	0.13
SU-2	890	271.28	341	658	317	96.62	0.67	0.16
SU-3	644	196.29	421	495	74	22.56	0.63	0.35

Table 3b. Sunnyside Project Significant Historical Drillhole Intersections – Porphyry Targets.

Hole No.	Total Depth (ft)	Total Depth (m)	From (ft)	To (ft)	Interval (ft)	Interval (m)	% Cu	% Mo	Au (oz/ton)	Ag (oz/ton)
Porphyry Zone										
TM-8	5,677	1730.37	1350	2710	1360	414.53	0.36	-	-	0.31
and			4300	5500	1200	365.76	0.25	0.017	0.003	0.10
TR-4	1,927	587.36	1360	1780	420	128.02	0.16		(too shallow)	
TR-6	2,106	641.92	1340	1520	180	54.86	0.15		(too shallow)	
TR-10	5,486	1672.15	3700	4600	900	274.32	0.44	0.016	-	0.12
including			3860	4210	350	106.68	0.60	0.033	0.005	0.15
TR-11	5,472	1667.89	4800	5472	672	204.83	0.37	0.010	0.003	0.16
TR-14	5,407	1648.07	4590	4980	390	118.87	0.46	0.015	0.004	0.20
TR-15	5,309	1618.20	4630	5309	679	206.96	0.23	0.011	0.002	0.15

Table 3c. Sunnyside Project Significant Historical Drillhole Intersections – Skarn Zones.

Hole No.	Total Depth (ft)	Total Depth (m)	From (ft)	To (ft)	Interval (ft)	Interval (m)	% Cu	% Pb	% Zn	Ag (oz/ton)
Skarn Zone										
TM-13	4,777	1456.05	3977	3979	2	0.61	2.56	8.65	11.60	3.56
TM-14	4,580	1396.00	3700	3710	10	3.05	0.15	-	-	2.20
TCH-1	5,560	1694.71	3907	3911.5	4.5	1.37	2.64	12.68	14.52	1.76
			4846	4847	1	0.30	0.43	1.18	10.95	2.16
TCH-2	5,830	1777.01	1407	1409	2	0.61	2.64	12.68	14.52	1.76
			4030	4037	7	2.13	1.27	0.18	0.60	2.16
			4046	4050	4	1.22	1.59	0.09	0.12	1.24
			4100	4109	9	2.74	0.10	1.02	1.05	1.36
			4127	4166	39	11.89	0.71	0.21	0.12	1.10
			4195	4209	14	4.27	2.32	0.73	0.09	5.86
			4209	4215	6	1.83	0.09	3.35	3.39	1.60
			4243	4312	69	21.03	0.27	2.50	3.12	1.68
			4450	4490	40	12.19	0.11	1.57	1.38	3.35
			4653	4710	57	17.37	1.30	4.97	12.20	10.82
			4767	4891	124	37.80	0.23	0.86	14.10	7.36
			4913	4921	8	2.44	0.04	0.28	3.95	2.30
			5216	5217	1	0.30	0.04	1.70	2.10	1.64
TCH-2A	2,209	673.31	4120	4160	40	12.19	1.50	0.30	0.60	2.20
			4310	4337	27	8.23	1.20	0.70	0.30	4.00

7.0 GEOLOGICAL SETTING AND MINERALIZATION

7.1 Regional Geology

Geologically, the Sunnyside Project is situated in a broad northwest trending corridor of porphyry copper deposits that straddles the U.S. – Mexico border. This corridor is defined by many deposits from Groupo Mexico's La Caridad mine located in central Sonora, Mexico, through to Mercator Mineral's Mineral Park mine located in northwestern Arizona (see Figure 5).

Geographically (and geologically), the Sunnyside Project is located in southern Arizona within the Basin and Range province that covers most of the southwest United States and northwestern Mexico. The Basin and Range province is characterized by linear mountain chains separated by broad flat valleys that have resulted from tectonic extension that began some 17 million years ago in the Miocene.

The Project is located in the Patagonia Range of mountains approximately 25km northeast of Nogales, AZ. The range is cored by a Laramide, multi-phase intrusive complex comprising quartz monzonite to granodiorite and lesser quartz-feldspar porphyry. Radiometric age dates completed by the USGS and others (Graybeal, 2007) suggest the emplacement of the intrusive occurred between 74 and 58 Ma. As is typical of the Basin and Range region, where normal faulting often results in the juxtaposition of differently aged rocks, there is a fault zone along the Patagonia Range that causes Proterozoic crystalline rocks to crop out along the western range front whereas the eastern part of the range exposes complexly faulted Paleozoic to Mesozoic sedimentary and volcanic rocks (Figure 6). The Laramide intrusions fill the divide between the Precambrian and Paleozoic rocks. Younger Cenozoic-age volcanics were deposited over the northern portion of the range and are likely related to the extension that resulted in the development of the Basin and Range physiography.

7.2 Property Geology

Principal geological elements of the Sunnyside property are shown on Figure 7. As described above, the oldest rocks in the area occur along the western edge of the property. These rocks include a package of Proterozoic crystalline rocks described as meta-intrusive to meta-sediments. Along the eastern border of the project area Cretaceous sediments and volcanics overlay Paleozoic limestone and shale. Drilling has indicated apparently complex folding and faulting within the Paleozoic and Cretaceous rocks that is likely related to Laramide tectonics.

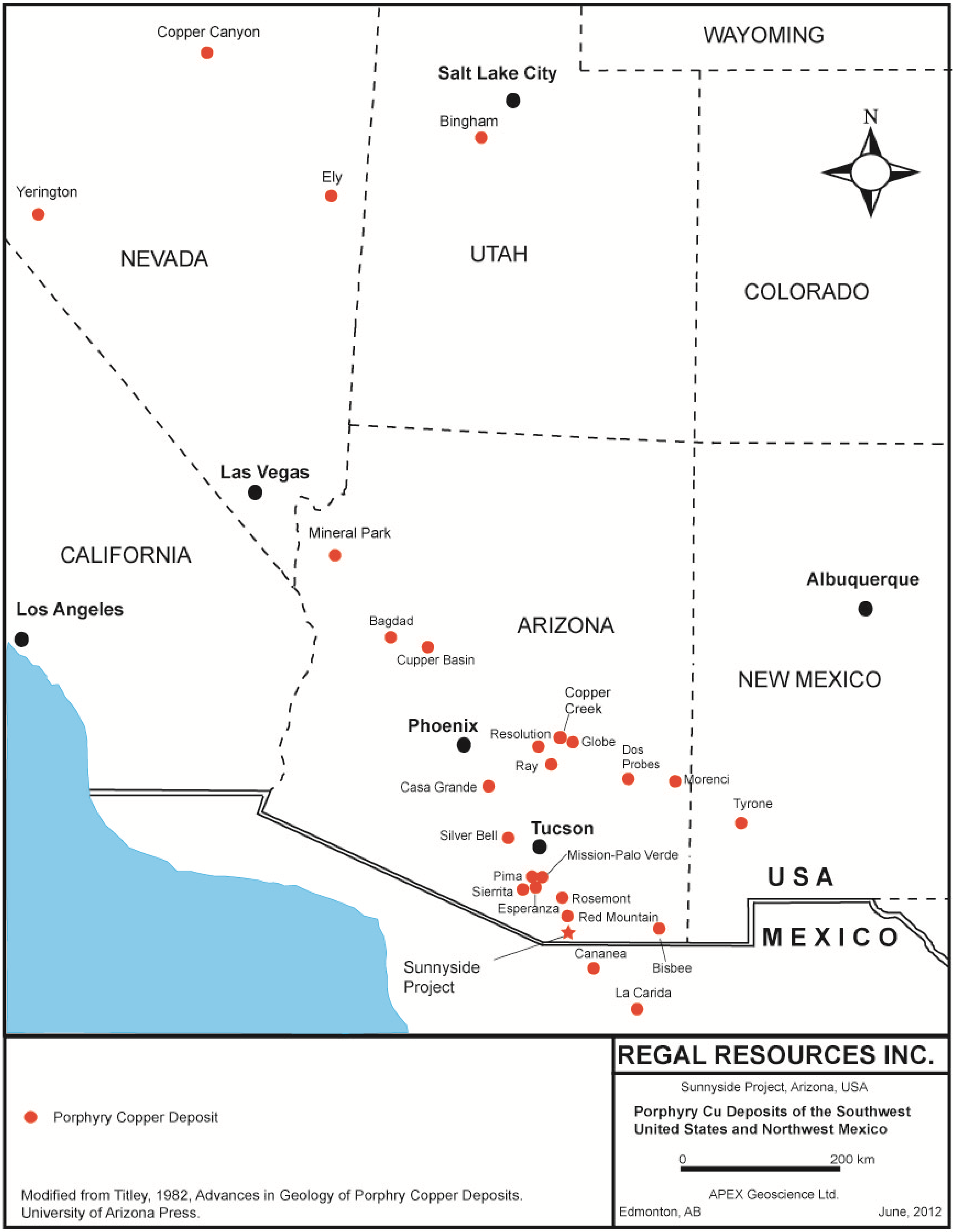
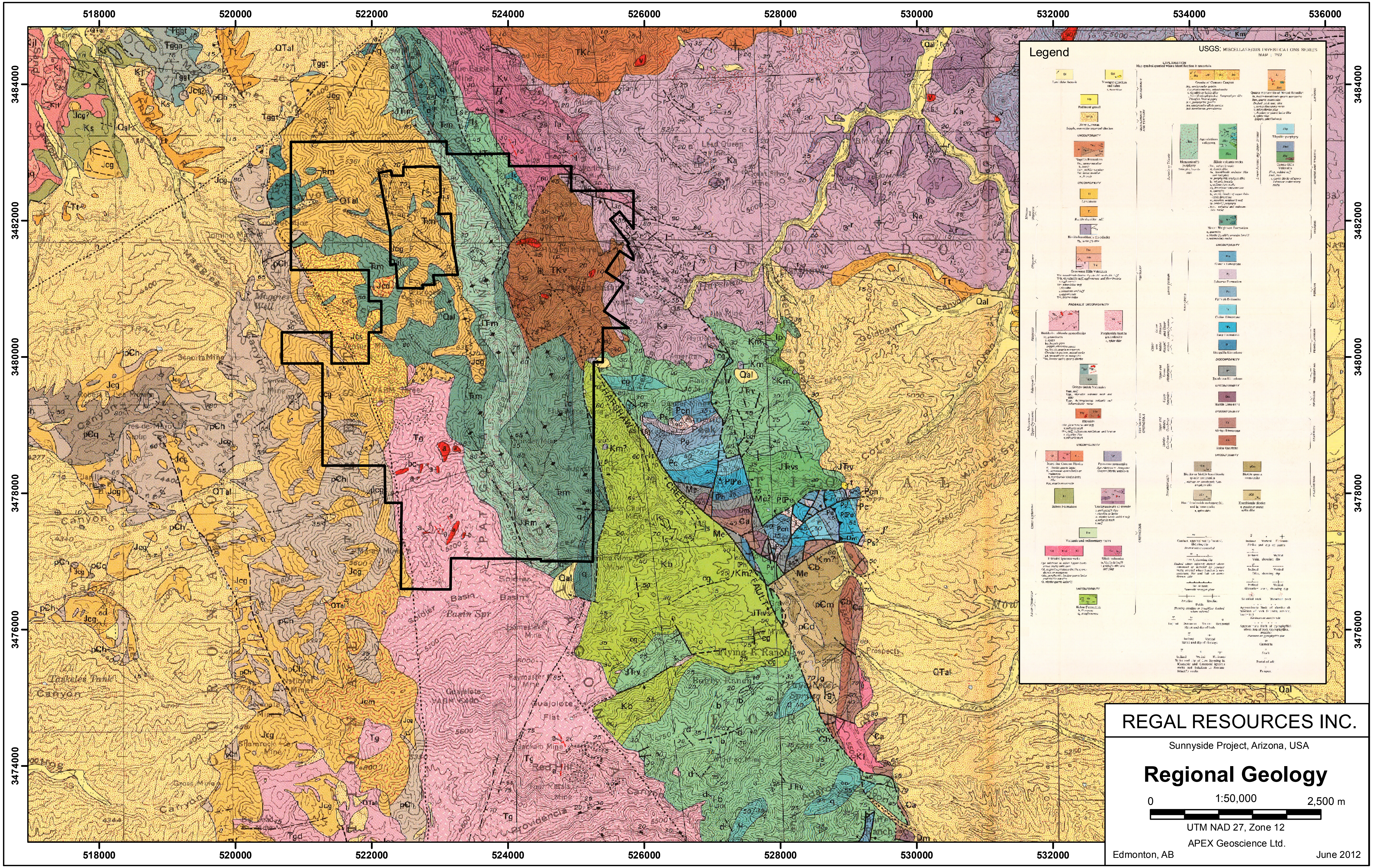

Copper Canyon
WAYOMING
Salt Lake City
Bingham
Ely
Yerington
NEVADA
UTAH
COLORADO
N
Las Vegas
Mineral Park
CALIFORNIA
Albuquerque
Los Angeles
Bagdad
ARIZONA
Cupper Basin
NEW MEXICO
Copper Creek
Phoenix
Resolution
Globe
Dos Probes
Ray
Morenci
Casa Grande
Tyrone
Silver Bell
Tucson
Mission-Palo Verde
USA
Pima
Sierrita
Esperanza
Rosemont
Red Mountain
MEXICO
Cananea
Bisbee
Sunnyside Project
La Carida
Porphyry Copper Deposit
Modified from Titley, 1982, Advances in Geology of Porphyry Copper Deposits. University of Arizona Press.
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Porphyry Cu Deposits of the Southwest United States and Northwest Mexico
0
200 km
APEX Geoscience Ltd.
Edmonton, AB
June, 2012

Figure 5


Legend
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Regional Geology
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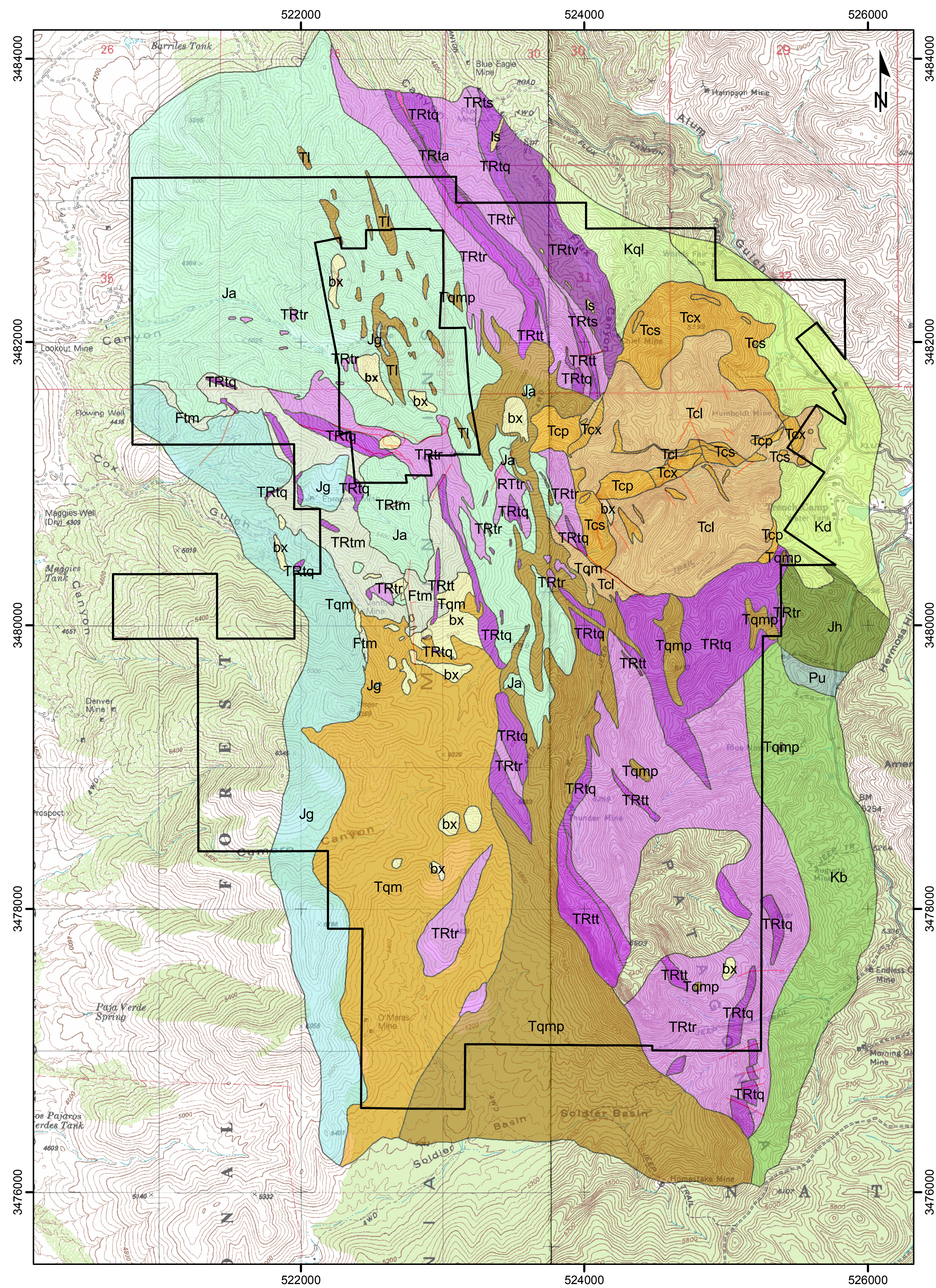
UTM NAD 27, Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June 2012

Figure 6



Legend

- Lithological contacts
- Sunnyside Property
- unmapped geology
- Tcp-quartz feldspar porphyry
- Tci-intrusive breccia
- Tcs-silica tuff
- Tcl-lapilli tuff
- Tcx-quartz feldspar porphyry (xenolith)
- Tl-latite porphyry
- Tqmp-quartz monzonite porphyr
- Tqm-quartz monzonite
- Kd-diabase
- Kql-quartz latite
- Kb-Bisbee group
- Jh-Jurassic hardshell
- Ja-leucogranite (alaskite)
- Jg-granite & quartz monzonite undevided
- TRta-andesite porphyry
- TRtm-meta-arkose
- TRtr-rhyolite porphyry with flow banding
- TRtt-tuff with interbedded agglomerate
- TRts-siltstone & shale
- TRtq-quartzite
- TRtv-volcanoclastic with limestone blocks
- Pu-Paleozoic undivided
- bx-breccia
- xenolith
- flow banded
- agglomerate
- ls-limestone
- Faults

Geology compiled by MinQuest From:
F. T. Graybeal (1974-75) ASARCO, previously unpublished
George Eliopulos (1991-92) Rio Algom, previously unpublished
Herb Duerr (1990-94, 2005-2008) MinQuest, previously unpublished
Frank S. Simons (1972, 1974) USGS

REGAL RESOURCES INC.

Sunnyside Project, Arizona, USA

Property Geology Map

0 1:30,000 1 Km

UTM NAD 27 Zone 12

APEX Geoscience Ltd.

Edmonton, AB June, 2012

Figure 7.

The central portion of the project area is composed of multiple phases of Laramide-age intrusive. The intrusive is composed of granodiorite to quartz monzonite with several quartz-feldspar-porphyry (QFP) intrusions. The Laramide intrusions now occupy a significant structural zone between the Precambrian rocks on the west and the Paleozoic-Cenozoic rocks on the east.

Covering the intrusive to the south, north and east are wide spread Tertiary volcanic and volcanoclastic material described as a lapilli tuff. This material is believed to be contemporaneous with the intrusive activity and derived from the same material. Much of the rock is highly altered with textures nearly completely replaced by pyrophyllite and silica where it overlies the mineralized intrusive at depth. The lapilli tuff was formed concurrent with the Sunnyside intrusive event. This event formed a circular feature approximately one mile in diameter and further described as a diatreme. The lapilli tuff and associated maar deposits filled the diatreme and breached the northeastern diatreme boundary. The lapilli tuff is believed to be derived from numerous cycles of pyroclastic eruptions and attendant intrusions.

7.3 Mineralization

During the property visit conducted by the author, it was apparent that a significant hydrothermal system is exposed at surface at the Sunnyside Property. The Sunnyside Project exhibits a very complex pattern of intrusive rocks that represent multiple phases of intrusive activity. Along with several of these phases of intrusion have come different phases of alteration and/or mineralization. However, the most intense alteration observed at surface appears to be focused around quartz-feldspar porphyry (QFP) intrusions. The QFP bodies appear to have been instrumental in the formation of an approximate 1.5km diameter diatreme overlying the deep porphyry copper system (see Figure 7). The diatreme is composed of milled rock that has been described as lapilli tuff. Within the boundary of the diatreme several QFP outcrops present themselves as extrusive flow domes. The lapilli tuff and associated maar are extensively altered to an advanced argillic assemblage containing enargite, covellite and chalcocite. From historical drilling, the advanced argillic alteration grades downward into phyllic and then potassic alteration assemblages containing varying amounts of chalcopyrite and molybdenite. An alteration map of the property is shown in Figure 8 and was compiled by Graybeal (2007) from several historical exploration programs.

The mineralization occurring within the project boundaries has been explored by various companies (Asarco, Kerr McGee, Anaconda, etc.) and has been studied by the U.S. Geological Survey (Vickre, *et al.* 2009 and Graybeal and Vikre, 2010) sporadically over the last forty years. The multi-phase intrusive core of the Patagonia Range in the area of the Property appears to have developed adjacent to/along a long-lived fault zone

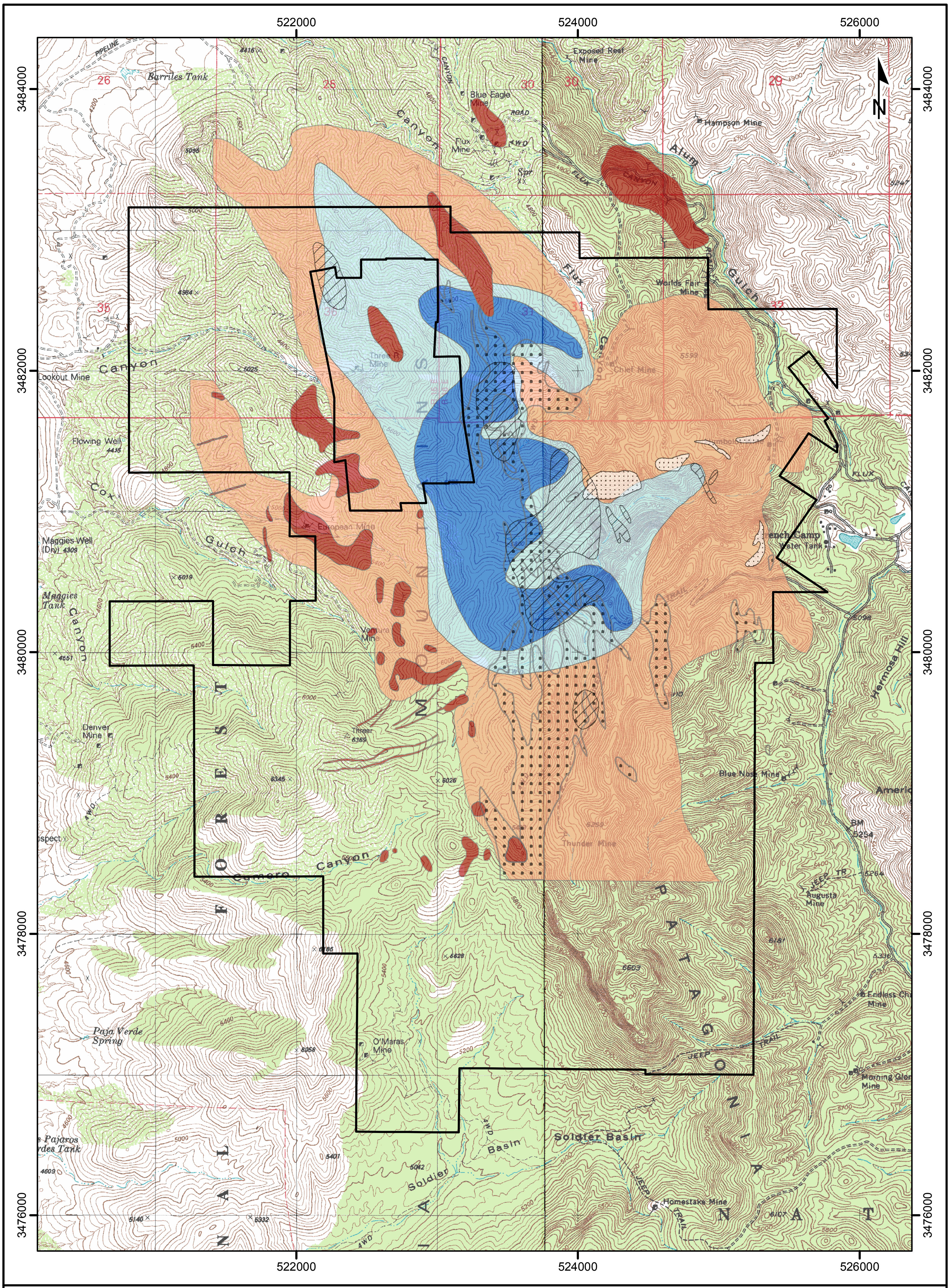
(Guajalote Fault). Vickre (2009) reports that at least six intrusive events occurred within the Patagonia Mountains over a period of 16 million years. The QFP stocks of Sunnyside intruded between 61 and 58 Ma (Graybeal, 2007, Vickre etal, 2009). Individual alteration areas overlap. All of the historical work has identified alteration and mineralization at Sunnyside that is consistent with the classic vertically and concentrically zoned porphyry copper system as illustrated in Figure 9 from Sillitoe, 2010. Although Sunnyside has many of the characteristics of this model, there are several complexities, one of which comprises potential overprinting, or overlapping, of adjacent systems/intrusions. The extent of these differing mineralization systems within the Sunnyside project boundaries were never completely delineated or defined by historic workers. Although the major target types currently being targeted by Regal (see the Exploration section of this report) were known by early workers, their extents and dimensions remain poorly defined (Graybeal 2007).

7.4 Sunnyside Exploration Targets

As a result of Regal's recent work to compile and re-evaluate all of the historical work completed at the Property, a number of discreet targets have been identified. The primary focus is on the identification of porphyry copper (+/- molybdenum) mineralization. The main porphyry target comprises the deep porphyry system identified in historical drilling. However, recent analysis of new data generated from the examination of the historical drill core and surface geologic mapping has identified a potential for identifying porphyry copper mineralization closer to surface in the vicinity (and likely west of) the western limit of the historical drilling in the northern part of the Property near drillhole TR-11. In addition to the porphyry targets, there is a potential for identifying significant copper mineralization in chalcocite enrichment zones located relatively near surface, which may represent the result of oxidation of potential shallow porphyry mineralization (as described above). Potential also exists for a large, multi-metal target disseminated within the diatreme. Finally, there is a potential for identifying significant base-metal skarn mineralization adjacent to the main porphyry system.

7.4.1 Deep Porphyry Target

The primary target being examined by Regal at the Property will be the deep porphyry target located in the north-central part of the Property. The QFP event related to the Sunnyside intrusive complex caused a strong hydrothermal system to develop over an area of at least 4 square miles. The intrusions and hydrothermal alteration have been dated between 61 and 58 Ma (Vickre *et al.*, 2009). The nearby Ventura porphyry system is dated at 65 Ma. The Red Mountain porphyry system is dated at approximately 62 Ma. The Four Metals breccia pipe has been dated at 60 Ma. It is currently believed that one or more overlapping alteration events may have reset or complicated the dates given for the Sunnyside system.



Legend

Sunnyside Property
Silicification
Quartz Monzonite Porphyry
Quartz Feldspar Porphyry
Tourmaline
Advanced Argillic
Advanced Argillic Phyllic
Phyllic

Geology compiled by MinQuest From:
F. T. Graybeal (1974-75) ASARCO, previously unpublished
George Eliopulos (1991-92) Rio Algom, previously unpublished
Herb Duerr (1990-94, 2005-2008) MinQuest, previously unpublished
Frank S. Simons (1972, 1974) USGS

REGAL RESOURCES INC.

Sunnyside Project, Arizona, USA

Alteration Map

0 1:30,000 1 Km

UTM NAD 27 Zone 12

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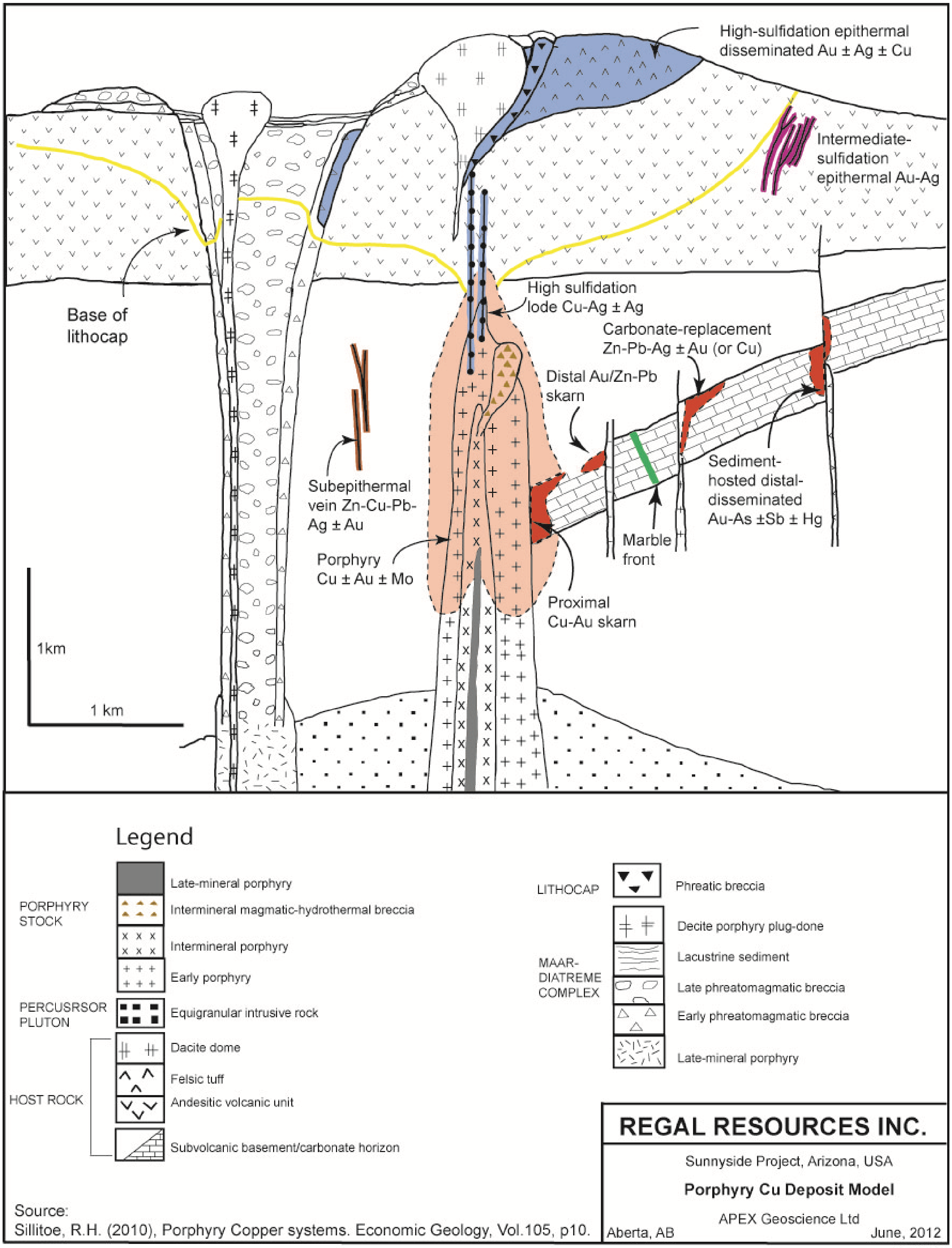
Figure 8.



High-sulfidation epithermal disseminated Au ± Ag ± Cu
Intermediate-sulfidation epithermal Au-Ag
Base of lithocap
High sulfidation lode Cu-Ag ± Ag
Carbonate-replacement Zn-Pb-Ag ± Au (or Cu)
Distal Au/Zn-Pb skarn
Subepithermal vein Zn-Cu-Pb-Ag ± Au
Sediment-hosted distal-disseminated Au-As ±Sb ± Hg
Marble front
Porphyry Cu ± Au ± Mo
Proximal Cu-Au skarn
1km
1 km
Legend
PORPHYRY STOCK
Late-mineral porphyry
Intermineral magmatic-hydrothermal breccia
Intermineral porphyry
Early porphyry
PERCUSRSOR PLUTON
Equigranular intrusive rock
HOST ROCK
Dacite dome
Felsic tuff
Andesitic volcanic unit
Subvolcanic basement/carbonate horizon
LITHOCAP
Phreatic breccia
MAAR-DIATREME COMPLEX
Decite porphyry plug-done
Lacustrine sediment
Late phreatomagmatic breccia
Early phreatomagmatic breccia
Late-mineral porphyry
Source:
Sillitoe, R.H. (2010), Porphyry Copper systems. Economic Geology, Vol.105, p10.
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Porphyry Cu Deposit Model
APEX Geoscience Ltd
Aberta, AB
June, 2012

Figure 9

The deep porphyry system at Sunnyside was identified by historical drilling. This drilling identified a target zone of approximately 4000 feet (~1200m) in and E-W direction and 5000 feet (~1500m) in a N-S direction (Figure 8B). In the north central portion of the Sunnyside property an inverted cone, or cupola, of porphyry copper-molybdenum mineralization has been identified by drilling starting at depths of approximately 3700 feet (~1100m) below surface and extending at least 2700 feet (~800m+) further in depth. However, recently identified alteration and mineralization in and around Drill Hole TR-11 has indicated the potential for identifying a porphyry system at higher levels immediately west of the main deep porphyry target.

7.4.2 Shallow Porphyry Target

An interesting geological observation, and observed by the author of this report, is the presence of gusano (or "wormy", or "patchy" texture) alteration at Sunnyside, particularly evident in the vicinity of the old Sunnyside mine. Gusano alteration comprises patchy (wormy) looking quartz-pyrophyllite-alunite alteration in the lithocap to overlying major porphyry systems around the world and normally occurs in the transition zone between the porphyry and the epithermal systems. For example, gusano texture has been described by Khashgerel, Kavalieris and Hayashi (2008) as underlying the lithocap and immediately overlying the porphyry style mineralization at one of the discoveries at Oyu Tolgoi. The significance of this type of alteration at Sunnyside suggests a potential for near surface mineralization to exist within the wide spaced drilling of the Sunnyside system, particularly on the western edge of the historical drilling (see Figure 4).

7.4.3 Chalcocite Enrichment Zone Targets

Above the copper-moly porphyry, phyllic alteration gives way to advanced argillic alteration hosting poorly delineated zones of chalcocite-enargite mineralization. The zoned chalcocite "blankets" appear related to the breccia pipes that may emanate from the same source. Breccia pipes occur above and adjacent to the porphyry mineralization at depth. The breccia pipes are often mineralized with copper, molybdenum, silver and gold although these bodies have not been thoroughly evaluated (see Table 1 for typical chalcocite mineralization intercepts).

7.4.4 Skarn Targets

Laterally to the east and north retrograde skarn alteration hosting massive sulfide mineralization occurs within Paleozoic sediments composed of shale and limestone. The skarn mineralization is believed to be coincident with the adjacent QFP intrusive and copper porphyry mineralization. The skarn mineralization is composed of zinc, lead, silver, copper and molybdenum (and elevated beryllium and rhenium).

Historically, silver and base-metal mineralization has been mined adjacent to (northwest of) the Sunnyside Property at the Flux Canyon Mine (Figure 2). Base metal mineralization adjacent to porphyry copper mineralizing systems is well known and forms part of the model of mineralization (see Figure 5). In addition, significant skarn mineralization was identified in several of the historical drillholes at the Property at significant depths. These deep skarn intersections are believed to be hosted by Devonian to Mississippian calcareous rocks. However, the limestone and shale are highly altered to marble, hornfels and retrograde skarn. Bedding is present within the marble and hornfels beds suggesting a relatively passive replacement, but very little of the original rock remains.

Skarn mineralization has been encountered in historic drilling at depths below surface ranging from 3750 feet to 5220 feet in holes TCH-1, TCH-2, TCH-2A, and TM-13 (see Table 2). The author of this report examined core from drillhole TCH-2 that exhibited massive to semi-massive base metal sulphide mineralization with dark (“blackjack”) sphalerite (up to 50%) with patchy (up to 10-15%) chalcopyrite and lesser (5-10%) galena is a green garnet skarn with bedding almost completely obscured but presumably represented by banding/layering in the sulphides (observed to be ~perpendicular to core axis). From the historical drillhole interections, the lateral extent of the Skarn target and known skarn-type mineralization is up to 1000 feet in both N-S and E-W directions.

Other Potential Targets

Disseminated Cu-Ag-Mo+/-Au mineralization has been recognized within the Sunnyside diatreme, but was considered to be too low grade to exploit. Recent mining ventures (i.e. Peñasquito, MX and Montana Tunnels, MT) have redefined the potential for this type of mineralization. The relatively few and widely spaced holes within the diatreme indicate significant dispersion of copper, lead, zinc and silver throughout portions of the diatreme. However, gold values were rarely assayed within the diatreme. Further work needs to be completed on the diatreme target in order to determine its potential.

Other possible areas of porphyry type mineralization are theorized for the southern portion of the property. This area hosts numerous breccia pipes with associated vein mineralization and wide spread advanced argillic alteration. The southern area exhibits many of the same alteration traits as the Ventura and Sunnyside systems. These alteration traits associated with local areas of surface copper and molybdenum mineralization and elevated copper within a Kerr-McGee hole over its length suggest potential for discovery of additional porphyry mineralization.

Additional mineralized systems known to occur within and adjacent to the project area include the Red Mountain porphyry copper system (Corn, 1975) approximately 3 kilometers to the north of the property, Ventura porphyry copper-molybdenum system immediately adjacent to the western edge of the property, and the Four Metals porphyry system approximately 4 kilometers south of the property boundary (see Figure 2). Additionally, disseminated silver is hosted in Paleozoic sediments about 1 kilometer to the east at the Hardshell mine and approximately 5 kilometers southeast at the Mowry Mine. This mineralization is believed to be a distal product of the Red Mountain and Sunnyside systems. Production from skarn zones also occurred at Washington Camp approximately 8 kilometers from the southeast portion of the claim block. The Washington Camp mineralization is believed to be related to a 74 Ma intrusion.

This nested group of copper porphyries was identified by a comprehensive exploration program that included geologic mapping, geochemical sampling and historic drill programs over the last 60 years. Although most have historical geological resources quoted in publications by the U.S. Geological Survey (Singer, *et al.*, 2005), Arizona Geological Society by Graybeal (2007), and Society of Economic Geology (Graybeal, 1996, 2010), no NI 43-101 compliant mineral resources have yet been defined.

8.0 DEPOSIT TYPES

Regal Resources is currently evaluating the Sunnyside Project for various styles of mineralization that are related to a classical Porphyry Cu deposit model (see Figure 9 from Sillitoe, 2010).

From its recent work compiling historical drill data, geologic mapping and conducting re-sampling, re-logging and new sampling of previously unsampled core, Regal has identified three (3) distinct styles of mineralization (targets) that warrant further examination. These targets are described in detail in the preceding section of this report and include true porphyry copper (+/- molybdenum) mineralization, chalcocite (+/- enargite) enrichment zones and breccias, as well as adjacent base metal skarn mineralization.

The main porphyry target at Sunnyside is located in the north central portion of the Property. The deep porphyry system was identified by historical drilling. The target area has a lateral extent of some 4000 feet (~1200m) in and E-W direction and 5000 feet (~1500m) in a N-S direction (Figure 8B). The deep porphyry target comprises an inverted cone (dome) of porphyry copper-molybdenum mineralization that has been identified by drilling starting at depths of approximately 3700 feet (~1100m) below surface and extending at least 2700 feet (~800m+) further in depth. Although these depths are beyond that normally considered to be economically viable for the open pit mining method, porphyry-style mineralization at such depths (depending on many factors affecting economics) can be amenable to a large–scale underground mining process known as block-caving (see the Adjacent Properties section of this report for a discussion of potential deposit analogs).

In addition, the presence of gusano (or “wormy” or “patchy”) texture alteration at Sunnyside, particularly evident in the vicinity of the old Sunnyside mine (see Figure 2) adjacent to drillhole TR-11, is indicative of a potential for identifying porphyry copper mineralization closer to the surface, particularly nearer the western portion of the Property. Gusano alteration comprises patchy (wormy looking) quartz-pyrophyllite-alunite alteration in the lithocap overlying major porphyry systems around the world and normally occurs in the transition zone between the porphyry and the epithermal systems.

Above the copper-moly porphyry, phyllic alteration gives way to advanced argillic alteration hosting presently poorly delineated zones of chalcocite-enargite mineralization. The zoned chalcocite “blankets” appear related to the abundant breccia pipes occurring in the area. These “pipes” may emanate from the same source (see Figure 7) as breccia pipes occurring above and adjacent to the porphyry mineralization at depth. The breccia pipes are often mineralized with copper, molybdenum, silver and gold although these bodies have not been thoroughly evaluated. Although the chalcocite “blankets” have been identified by drilling over a large area, the wide spaced drilling will require considerable infilling in order to reasonably establish continuity.

Laterally (to the east and north) retrograde skarn alteration hosts massive sulfide mineralization within Paleozoic sediments composed of shale and limestone. The skarn mineralization is believed to be coincident with the adjacent QFP intrusive and copper porphyry mineralization. The skarn mineralization includes zinc, lead, silver, copper and molybdenum (and elevated beryllium and rhenium).

Other possible areas of porphyry-type mineralization are presumed to underlie the southern portions of the property. This area hosts numerous breccia pipes with associated vein mineralization and wide spread advanced argillic alteration. The southern area exhibits many of the same alteration traits as the Ventura and Sunnyside systems. These alteration traits associated with local areas of surface copper and molybdenum mineralization and elevated copper within a Kerr-McGee hole over its length suggest potential for discovery of additional porphyry mineralization.

Additional potential exists for the discovery of disseminated silver and/or gold mineralization within the advanced argillic zone and as quartz vein mineralization hosted in Cretaceous volcanic and sedimentary rocks.

Asarco and Noranda identified a porphyry copper-molybdenum system along the northwestern portion of the project area. Although the bulk of the Ventura system lies within unpatented mining claims currently controlled by Asarco, it is believed that additional potential lies within Regal's property position along trend and immediately adjacent to Asarco's drilling (see the Adjacent Properties section of this report).

9.0 EXPLORATION

Regal Resources has been active on the Sunnyside Project since its acquisition in 2010. Regal's exploration efforts have focused on data compilation, confirmation of historic sampling and mapping, and target evaluation. The compilation work was conducted by personnel with MinQuest, who were retained by Regal as geological consultants.

Data compilation included acquiring and digitizing surface geochemical data including rock chip samples from the files of the U.S. Bureau of Mines (Chatman, 1994), the Arizona Department of Mines and Mineral Resources, and historical exploration reports (largely unpublished) produced by companies such as ASARCO, Anaconda, Kerr-McGee) West Range (now Xstrata) and Rio Algom. More importantly, Regal has located and acquired a considerable amount of the drill core that remains from historical drilling completed at the project. This compilation effort, which included the re-logging and sampling of many of these drill cores, has confirmed historical findings and provided additional data that has allowed for the refinement of the geological model at Sunnyside and the mineralization targets that are discussed in the Conclusions and Recommendations sections of this report as the focus for future exploration at the Project.

9.1 Regional Geophysical Data

Fritz Geophysics (Fritz, 2007) evaluated and interpreted all public domain geophysical data available for the Property area in 2007 for MinQuest. This data was obtained from a U.S. Geological Survey project conducted in 1997 by Sial Geosciences, Inc. Unfortunately, the available regional-scale gravity and airborne magnetics data was not sufficiently detailed to support any significant conclusions with respect to the mineral potential of the Sunnyside Property area.

9.2 Historical Drill Core and Drill Data

Regal has located and acquired a considerable amount of the drill core that remains from historical drilling completed at the project. A detailed program of cataloguing, logging (re-logging), photographing, and re-assaying of the available historic drill core was completed during the first half of 2011. Summaries of the historical exploration programs that resulted in the production of this drill core are provided in the "History" section of this report. Logging and reinterpretation of the previous drilling has confirmed and refined the target concepts being advanced by Regal. Regal Resources has (re-) logged five deep core holes at Sunnyside to focus on stratigraphy and alteration of the system. Locations for the five holes are shown on Figure 10.

Along with the re-logging of the five (5) deeper historical drillholes completed on the Property, Regal has completed an evaluation of drill logs and core from 20(+) other historical drillholes. The detailed evaluation of the five (5) key drillholes has provide a consistent nomenclature that has been applied to the other drillholes, all of which were the result of multiple drilling (and logging) programs completed by different workers and were difficult to compile previously without this common framework. In the opinion of the author, this is the most significant outcome from the recent work completed by MinQuest on behalf of Regal and has resulted in an interpretive cross-section that illustrates the geological potential of the Property and provides an excellent geological model for the Property that can be used as a guide for future exploration. The location of the interpretive cross-section is illustrated in Figure 11 and the cross-section itself is illustrated in Figure 12.

Since 2011, Regal has collected some 367 samples of historical drill core, 76 of which represent intervals that were not previously sampled. Initially, 184 samples were collected from drillholes BB-2, 3. 4 and 6, TM-13 and 14 and TCH2A. Later, an additional 183 samples was collected from drillholes TM-13, TCH-2 and TCH-2A. The locations of the drillholes from which Regal has collected geochemical samples is illustrated in Figure 13 and detailed results are provided in Appendix 2 and are summarized below (see Tables 1 and 2).

Initially selected 78 samples from historic core holes drilled within the chalcocite target area for re-sampling and re-assaying (drillholes BB-2, 3, 4 and 6). The core holes are located in the northeastern portion of the project area. Samples were collected from core along the same intervals as historic assays. The new samples were submitted to Skyline Labs in Tucson, Arizona. The historic core sampling results of the Chalcocite Target were confirmed by the recent reassays conducted by Regal indicating significant intervals of copper and silver mineralization.

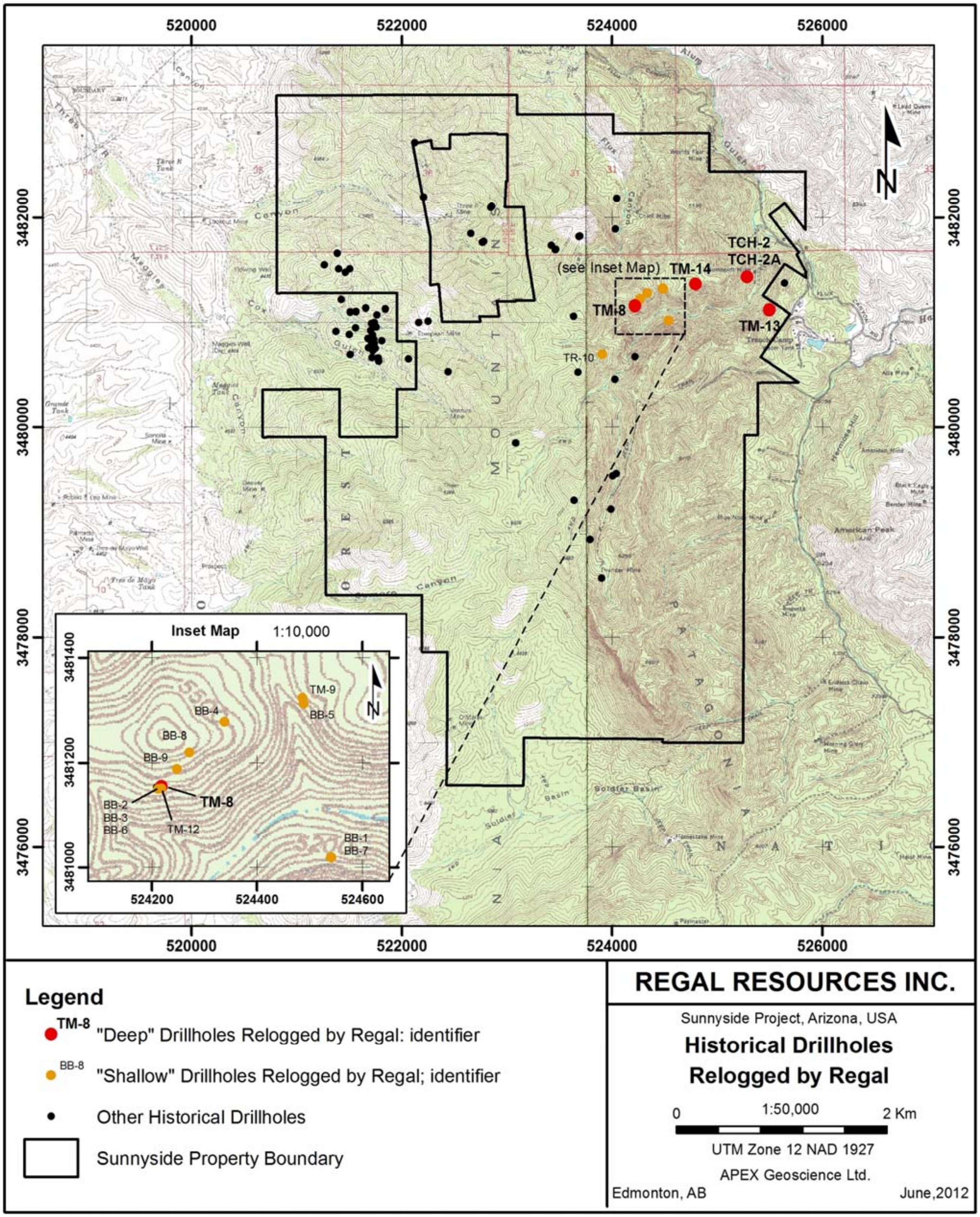

520000
522000
524000
526000
3482000
3480000
3478000
3476000
(see Inset Map)
TM-14
TCH-2
TCH-2A
TM-8
TM-13
TR-10
Inset Map
1:10,000
TM-9
BB-5
BB-4
BB-8
BB-9
BB-2
BB-3
BB-6
TM-8
TM-12
BB-1
BB-7
3481400
3481200
3481000
524200
524400
524600
Legend
TM-8 "Deep" Drillholes Relogged by Regal: identifier
BB-8 "Shallow" Drillholes Relogged by Regal; identifier
Other Historical Drillholes
Sunnyside Property Boundary
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Historical Drillholes
Relogged by Regal
0
1:50,000
2 Km
UTM Zone 12 NAD 1927
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 10.

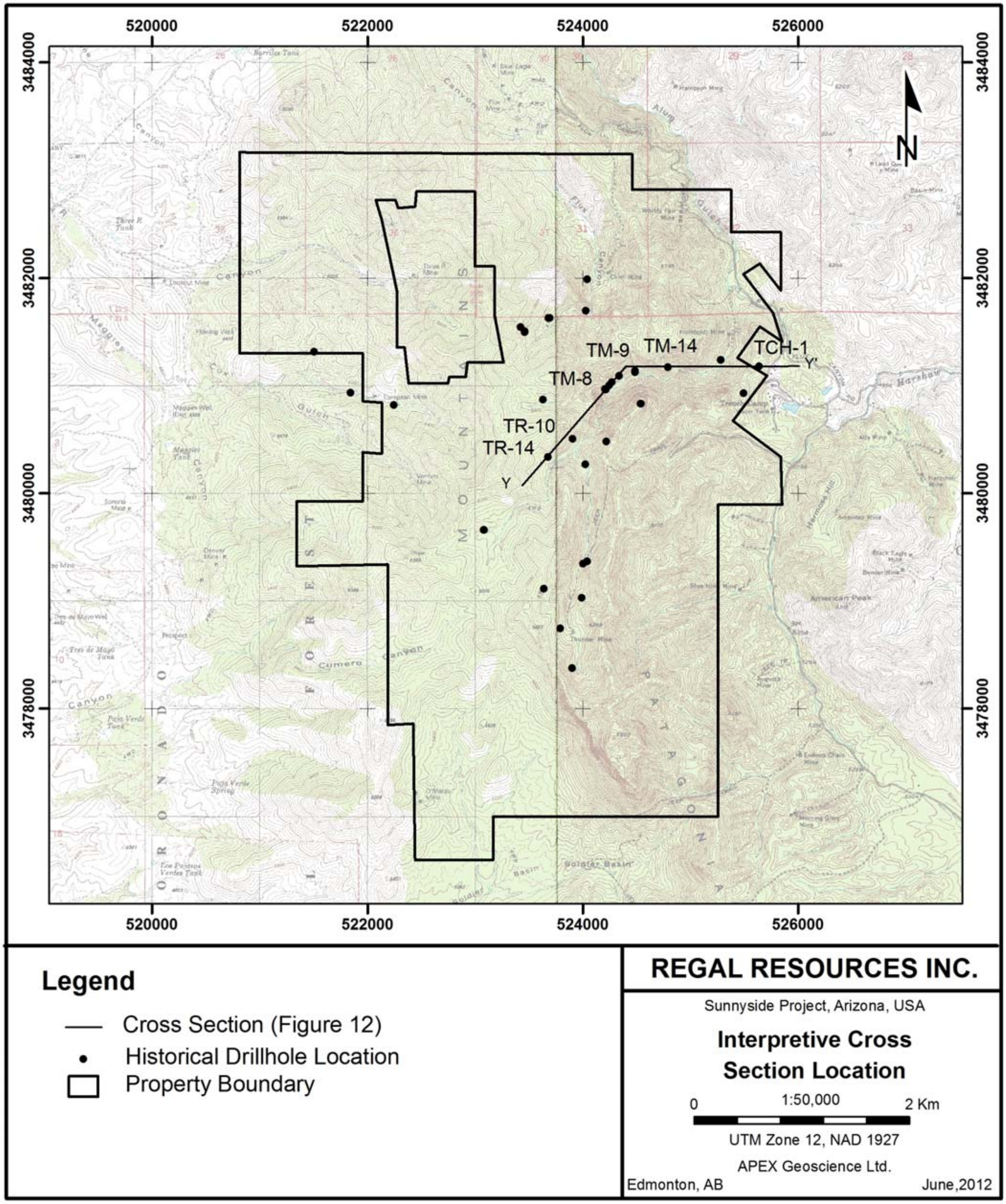

520000
522000
524000
526000
3484000
3482000
3480000
3478000
N
TM-9
TM-14
TCH-1
Y'
TM-8
TR-10
TR-14
Y
Legend
Cross Section (Figure 12)
Historical Drillhole Location
Property Boundary
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Interpretive Cross Section Location
0
1:50,000
2 Km
UTM Zone 12, NAD 1927
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 11.

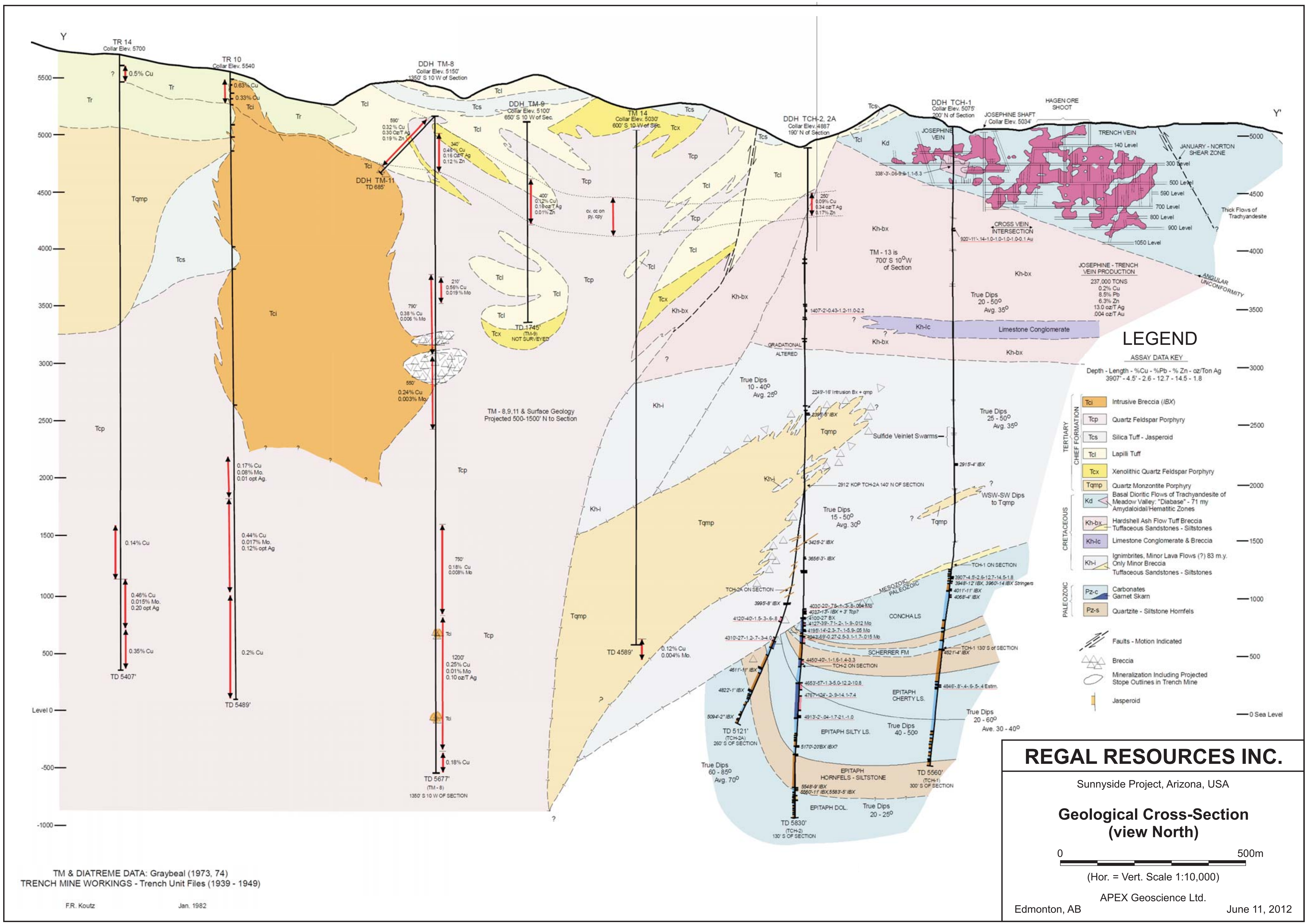

REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Geological Cross-Section
(view North)
0
500m
(Hor. = Vert. Scale 1:10,000)
APEX Geoscience Ltd.
Edmonton, AB
June 11, 2012
LEGEND
ASSAY DATA KEY
Depth - Length - %Cu - %Pb - % Zn - oz/Ton Ag
3907' - 4.5' - 2.6 - 12.7 - 14.5 - 1.8
TERTIARY
CHIEF FORMATION
Tci Intrusive Breccia (IBX)
Tcp Quartz Feldspar Porphyry
Tcs Silica Tuff - Jasperoid
Tcl Lapilli Tuff
Tcx Xenolithic Quartz Feldspar Porphyry
Tqmp Quartz Monzonite Porphyry
CRETACEOUS
Kd Basal Dioritic Flows of Trachyandesite of Meadow Valley: "Diabase" - 71 my Amydaloidal/Hematitic Zones
Kh-bx Hardshell Ash Flow Tuff Breccia Tuffaceous Sandstones - Siltstones
Kh-lc Limestone Conglomerate & Breccia
Kh-i Ignimbrites, Minor Lava Flows (?) 83 m.y. Only Minor Breccia Tuffaceous Sandstones - Siltstones
PALEOZOIC
Pz-c Carbonates Garnet Skarn
Pz-s Quartzite - Siltstone Hornfels
Faults - Motion Indicated
Breccia
Mineralization Including Projected Stope Outlines in Trench Mine
Jasperoid
TM & DIATREME DATA: Graybeal (1973, 74)
TRENCH MINE WORKINGS - Trench Unit Files (1939 - 1949)
F.R. Koutz
Jan. 1982
Y
Y'
TR 14
Collar Elev. 5700
TR 10
Collar Elev. 5540
DDH TM-8
Collar Elev. 5150'
DDH TM-9
Collar Elev. 5100'
DDH TM-11
TD 685'
TM 14
Collar Elev. 5030'
DDH TCH-2, 2A
Collar Elev. 4887
DDH TCH-1
Collar Elev. 5075'
JOSEPHINE SHAFT
Collar Elev. 5034'
HAGEN ORE SHOOT
JOSEPHINE VEIN
TRENCH VEIN
JANUARY - NORTON SHEAR ZONE
CROSS VEIN INTERSECTION
ANGULAR UNCONFORMITY
Thick Flows of Trachyandesite
JOSEPHINE - TRENCH VEIN PRODUCTION
237,000 TONS
0.2% Cu
8.5% Pb
6.3% Zn
13.0 oz/T Ag
.004 oz/T Au
TM - 13 is 700' S 10°W of Section
Limestone Conglomerate
TM - 8,9,11 & Surface Geology Projected 500-1500' N to Section
Sulfide Veinlet Swarms
MESOZOIC
PALEOZOIC
CONCHA LS
SCHERRER FM
EPITAPH CHERTY LS.
EPITAPH SILTY LS.
EPITAPH HORNFELS - SILTSTONE
EPITAPH DOL.
TD 5407'
TD 5489'
TD 5677'
TD 4589'
TD 5121'
TD 5830'
TD 5560'
Level 0
0 Sea Level

Figure 12

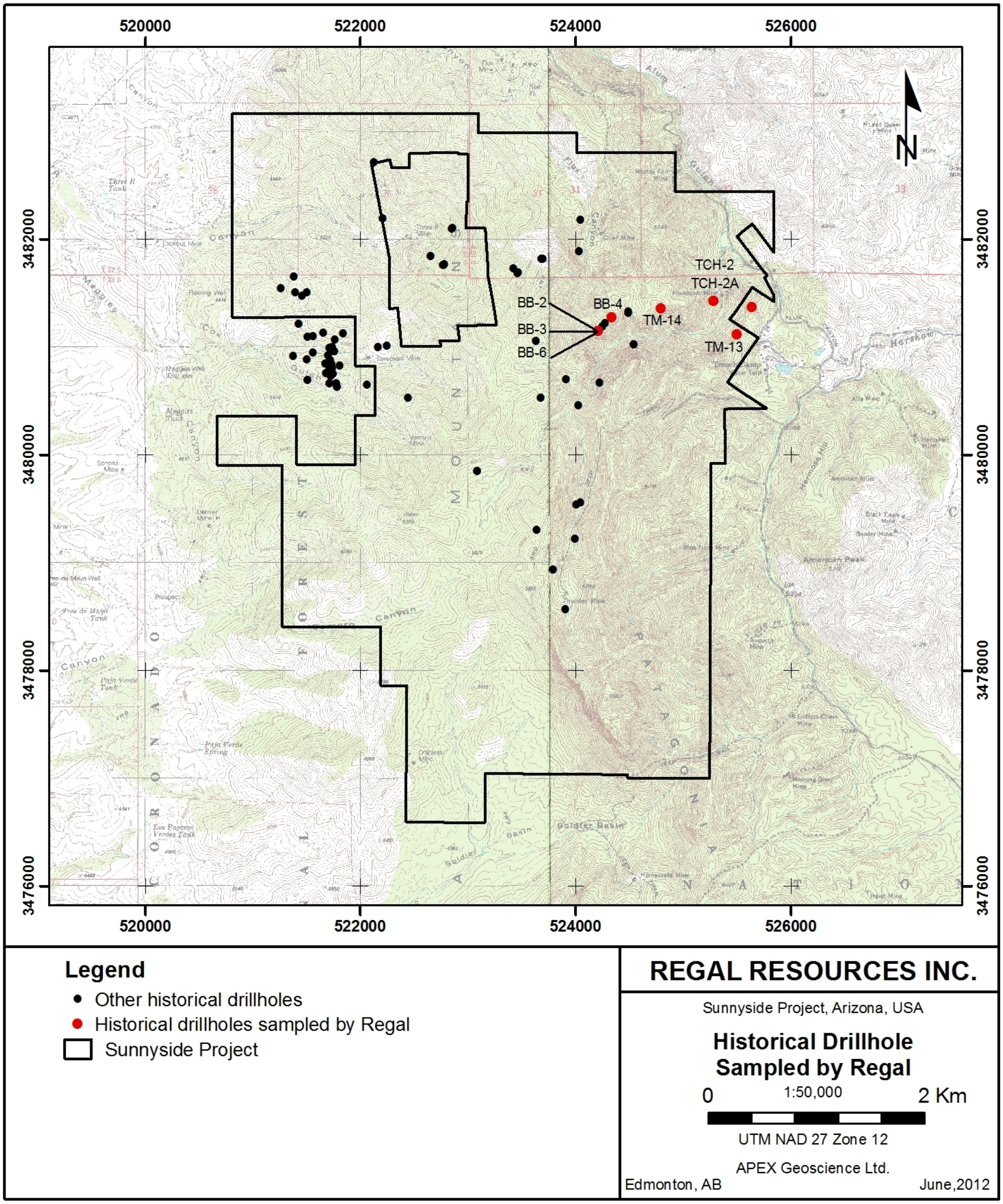

520000
522000
524000
526000
3482000
3480000
3478000
3476000
N
TCH-2
TCH-2A
BB-2
BB-4
TM-14
BB-3
BB-6
TM-13
Legend
Other historical drillholes
Historical drillholes sampled by Regal
Sunnyside Project
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Historical Drillhole Sampled by Regal
0
1:50,000
2 Km
UTM NAD 27 Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 13.

Table 1. Sunnyside Chalcocite Target Confirmation Analyses.

Hole ID	From (m)	To (m)	Interval (m)	Cu (%)		Ag (g/t)	
				(Historical)	(Regal)	(Historical)	(Regal)
BB - 2	12.20	42.68	30.48	0.47	0.45	2.2	4.4
BB - 3	4.27	27.44	23.17	0.60	0.27	0.8	4.9
BB - 3	182.93	219.51	36.58	0.32	0.32	2.0	3.2
BB - 4	3.90	57.93	54.03	0.46	0.45	2.1	3.6
BB - 6	6.10	36.59	30.49	0.32	0.34	4.2	8.6
BB - 6	91.46	149.39	57.93	0.64	0.82	4.6	12.8

Table 2. Sunnyside Skarn Target Confirmation Analyses.

Hole ID	From (m)	To (m)	Interval (m)	Cu (%)	Pb (%)	Zn (%)	Ag (oz/ton)	Source
TCH-2	1418.25	1435.63	17.37	1.20	4.97	12.15	11.00	ASARCO - Historic
			(57ft)	1.17	4.27	10.70	9.86	REGAL (new)
	1453.00	1490.79	37.79	0.23	0.98	14.08	7.36	ASARCO - Historic
			(124ft)	0.23	0.91	13.58	7.36	REGAL (new)
TCH-2A	1255.79	1267.98	12.19	1.48	0.30	0.60	2.20	ASARCO - Historic
			(40ft)	1.42	0.26	0.58	2.41	REGAL (new)

The results of this work confirmed that historically reported grades and thicknesses of mineralization exist in both the skarn zone and at least two significant zones of chalcocite-rich mineralization. Three of the drill holes testing the chalcocite were fanned from a single site (angled at -45 degrees at declinations of Due North, due east and south 45 degrees west). The three holes (BB 2, 3 and 6) diverged at depth while the fourth hole (BB 4) was located at least 183 meters (600 feet) further north. True thickness is presently unknown.

These historic vs. new assays reveal a remarkable consistency and repeatability for the copper assays. While silver assays are generally higher from the recent re-assay program, the range of silver values within mineralized zones is confirmed. These limited results suggest that historic assays from the Patagonia project are reliable and likely to be repeated by subsequent drilling or re-assaying.

In addition to the Cu and Ag values summarized above, the recent re-sampling of some historic drilling and surface samples indicate potential for low grade rare earth, rhenium and bismuth mineralization. The lanthanide elements are enriched in several areas of drilling and are occasionally present in surface sampling. Although poorly understood, these elements should be further studied for near surface potential. Bismuth is intimately associated with the massive sulfide portion of the skarn and should be evaluated in future drill programs. Rhenium is present with high molybdenum values where assayed.

9.3 Author's Property Visit and Samples

The author of this report visited the Sunnyside Property on April 25 and 26, 2012, and was shown around the property by Mr. Herb Duerr of MinQuest. The main area examined was the northeastern portion of the property (in the vicinity of historical drillholes TM-8, TR-10 and TR-11), which overlies the deep porphyry target and portions of the eastern shallower chalcocite enrichment target. Also examined were portions of the southern part of the property where several breccia pipes occur in the host batholiths.

In summary, the author observed extensive evidence of a significant hydrothermal alteration system at the Sunnyside Property including silicification and variable amount of the typical porphyry system alteration assemblages (potassic, argillic and advanced argillic). Alteration was observed in outcrops of almost all lithologies, including QFPs and the large lapilli tuff or diatreme unit. A total of 6 rock grab samples was collected by the author from outcrops at the Property including samples of diatreme with visible copper staining (12ATP001) as well as preserved sulphide mineralogy – although the majority of the surface outcrops examined were found to be leached of sulphide minerals. The samples were sent to ALS Minerals in Reno, Nevada for mutli-element analysis. Sample locations and descriptions are provided in Table 4 and geochemical summary is provided in Table 5. The author's samples are illustrated in Figure 14 and the analytical certificate for these samples is provided in (Appendix 3).

Sample 12ATP001 comprising outcrop material adjacent to an historical shaft known as the "Volcano Mine" located adjacent (above) the old Sunnyside Mine waste dump. At this locale, copper oxide mineralization was apparent and the sample returned a value of 1.63%Cu.

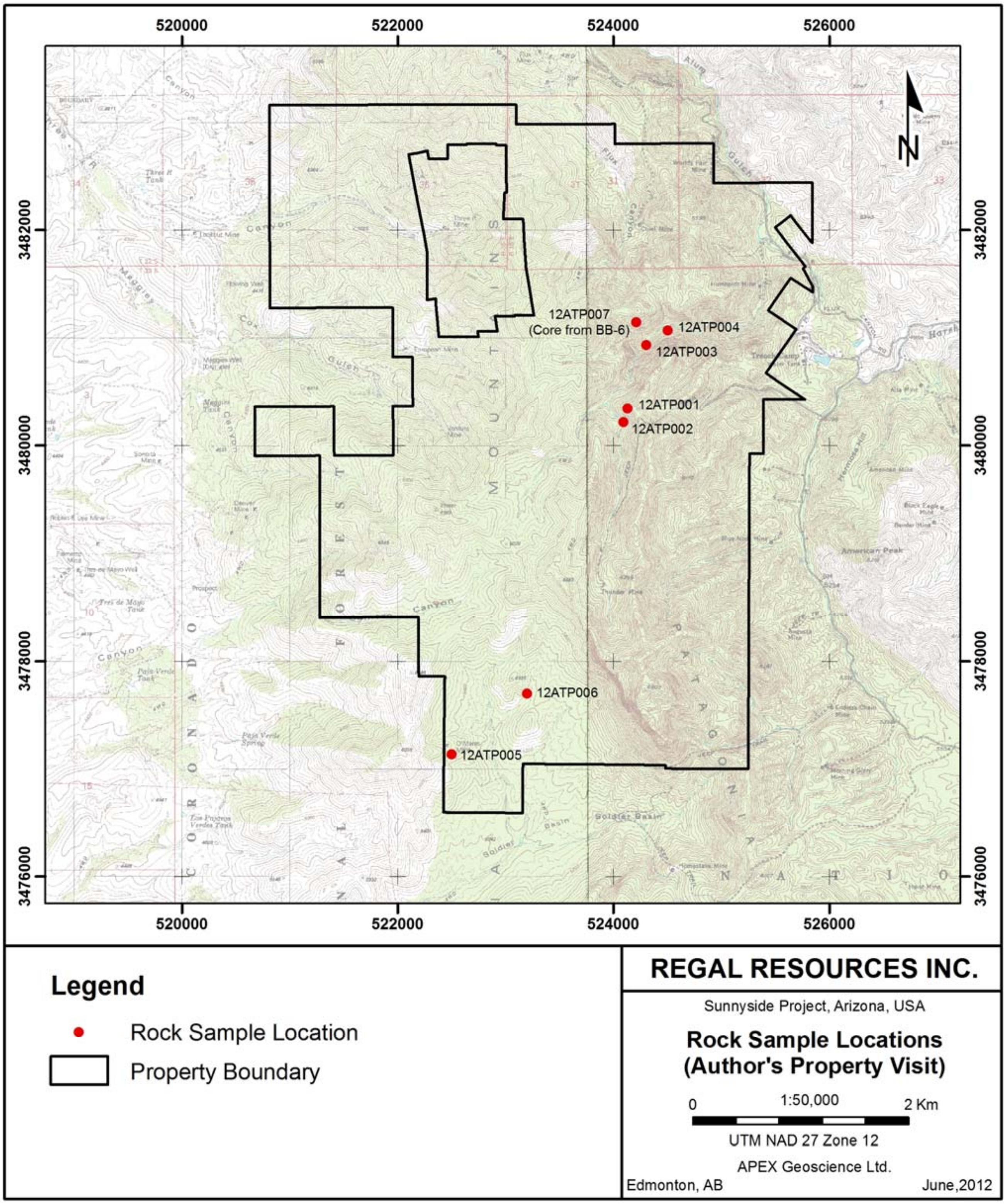

520000
522000
524000
526000
3482000
3480000
3478000
3476000
12ATP007
(Core from BB-6)
12ATP004
12ATP003
12ATP001
12ATP002
12ATP006
12ATP005
Legend
Rock Sample Location
Property Boundary
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Rock Sample Locations
(Author's Property Visit)
0
1:50,000
2 Km
UTM NAD 27 Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 14.

Table 4. Rock and Core Sample Descriptions – Author's Property Visit.

Sample ID	UTM NAD 27 (Conus)			Material Sampled	Disposition	Date Collected	Description
	East (m)	North (m)	Zone				
12ATP001	524131	3480350	12	Cu oxides on outcrop betside "Vocano" mine - historical w orkings (vert shaft)	outcrop	25-Apr-12	outcrop of coarse quartz monzonite porphyry breccia (diatreme?) w ith 1-10cm scale clasts in a fine grained matric w ith copper oxides on surface, exhibits silicifiaction.
12ATP002	524097	3480221	12	sulphide-bearing rock in outcrop beside TR-14 pad	outcrop	25-Apr-12	5m x 10m patch of apparently preserved promary sulphide mineralized outcrop of silicified quartz-feldspar porphyry breaccia (diatreme) w ith 1-2% very finely diseminated py/cpy?
12ATP003	524305	3480937	12	Feldspar porphyry at the top of "Humbolt Canyon"	outcrop	25-Apr-12	w eakly clay altered quartz-feldspar porphyry outcrops w ith abundant 30-40% 2-4mm w hite feldsaps and 20-30% 3-5mm iregular "quartz-eyes" in a fine grained (lt to med) grey matrix.
12ATP004	524506	3481072	12	dark grey quartz veins in o/c along "Humbold Canyon" Rd	outcrop	25-Apr-12	~1.5m w ide zone of near vertical .5-5cm silica+very fine grained grey-black sulphide veins comprising up to 505 0f the rock in QFP - "epithermal-looking"
12ATP005	522503	3477137	12	sulphide-bearing rock on dump at "O'Mara" vein historical w orkings (vert shaft)	w aste dump	26-Apr-12	coarse grey quartz (vein) material, moderately w eathered w ith up to 20% coarse py and 10-15% spalerite>galena
12ATP006	523203	3477702	12	sulphide-bearing rock in small dump at historical w orkings (adit)	w aste dump	26-Apr-12	5-10% coarse pyrite in siliceous QFP - breccia pipe?
12ATP007	Tucson core storage facility			previously sampled (quartered) drill core (BB-6, box 46, 406')	drill core	26-Apr-12	lt-grey, argillic/advanced argillic altered QFP breccia (diatreme?) w ith 1-2% fine black chalcocite spots.

Table 5. Summary of Rock and Core Sample Analytical Results - Author's Property Visit.

Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Bi ppm	Sb ppm
12ATP001	0.072	8.1	16300	156	4	106	12	45
12ATP002	0.007	1.8	153	495	929	54	10	22
12ATP003	0.005	1	39	81	43	46	7	18
12ATP004	0.154	2.5	237	107	41	29	4	9
12ATP005	3.37	425	14950	25400	1085	959	1320	3200
12ATP006	0.009	1.7	59	104	15	11	3	21
12ATP007	0.046	7.4	11950	43	268	3670	9	193

In addition to the field visit, the author was provided access to Regal's core storage facility in Tucson where core samples from several key drillholes were examined. The cores examined by the author are listed in Table 6. The author collected one (1) sample of chalcocite mineralized diatreme (QFP auto-breccia?) for confirmation purposes. This sample (12ATP007) yielded a result of 1.20% Cu and was collected from drill hole BB-6 at approximately 406' within the chalcocite target zone.

Table 6. Drill Core Examined By The Author.

Drillhole	Core Interval		Basic	Mineralization
	From	To	Lithologies	or Target Zone
BB-6	400'	460'	Diatreme	chalcocite
TCH-2	4647'	4694'	Green Garnet skarn	deep skarn
TR-10	3350'	5486'	various, abundant QMP	porphyry
	skeletonized (partial) core			
TR-11	2275'	5470'	various, abundant QMP	porphyry
	skeletonized (partial) core			
SU-1	0'	700'	various	shallow chalcocite
SU-3	0'	450'	various	shallow chalcocite

The historical drill cores in the storage facility were found to be in very good condition. The core boxes were in good condition and were clearly labeled. The lithologies and depths of the actual core were found to be consistent with historical logs, although it was clear that the re-logging completed by Regal had provided additional details and provided a much needed review that allowed for a consistent naming of key lithologies and their alteration zones that has allowed Regal to make sense of drill logs produced by different geologists through 3-4 different drilling campaigns.

In short, in outcrop and in drill core, the author of this report observed evidence for a very large hydrothermal system that has produced moderate to intense alteration to a very large package of intrusive, volcanic and sedimentary rocks at the Sunnyside Project. The author examined core from drillholes that had intersected portions of all three of the proposed targets at the property (shallow and deep porphyry, deep skarn and shallow chalcocite enrichment) and observed secondary copper mineralization at surface.

10.0 DRILLING

To date, there has been no drilling conducted on any of the Sunnyside Property by Regal Resources Inc. Historical drilling is discussed elsewhere in this report.

11.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

Core handling and sampling procedures are not well documented in historical reports from the Property. As a result, the exact procedures followed by previous operators are not well known. However, all the previous companies who conducted drilling at the project (Anaconda, Kerr-McGee, West Range and Asarco) were respected major mineral exploration and/or mining companies and thus it is likely that their respective core handling and sampling methodologies would at least have met industry standards at the time of the work. From the inspection conducted by the author of the core that remains from historical work at the Tucson storage facility, it is evident that the handling and storage of the available core over the last 40 years was carried out professionally and, in particular, the author was impressed by the work that MinQuest (on behalf of Regal) has done to organize the remaining drill cores. Core boxes were observed by the author to be clearly labeled and well organized and were generally found to be in very good condition.

MinQuest personnel, on behalf of Regal, utilized the following procedure in 2010-11 in order to complete the re-logging and re-sampling (plus initial sampling of previously un-sampled cores) and assaying the historical drill core. The core was initially logged, photographed and catalogued in order to conduct a comparison with historical records and determine the intervals, if any, that had previously been sampled. The goal of the sampling program was to re-sample previously sampled intervals (check sampling) and to conduct initial sampling of previously un-sampled intervals. Sample intervals were split in half with one part being placed in a sample sack and the other being returned to the core box. Both were returned to the storage facility. The bagged samples were shipped by truck to Skyline Labs in Tucson, Arizona. (Skyline holds ISO 9001:2000 certification). Skyline is an independent, commercial laboratory, and holds no relationship with Regal, MinQuest or APEX.

The samples were crushed and a 1000g split was pulverized at the laboratory. Aliquots of the pulped sample were then analyzed for Au by way of a 30 gram fire assays and for 49 additional elements by ICP (Inductively Couple Plasma spectrometry, with 3 acid digestion). Follow-up analyses were completed on any “over limit” analyses with the exception of manganese. Additional repeat samples, blanks and standards were also used within the lab, according to the internal practices and policies of Skyline. No other QA/QC procedures were implemented by MinQuest during the 2010 core re-sampling program. The pulps and rejects for the samples were returned to Regal for potential future analysis and are held at the secure storage facility in Tucson, AZ, along with the rest of the historical drill core.

The author is not aware of any issues regarding the 2010 Sunnyside historical core sampling/re-sampling program that may have introduced any sample bias or that may have otherwise adversely affected the accuracy and/or reliability of the results. It is the author's opinion that the sample preparation, security and procedures utilized by MinQuest, on behalf of Regal, were adequate to insure a reasonable level of accuracy and reliability.

12.0 DATA VERIFICATION

Geological information with respect to the Sunnyside Project has been compiled from available public and private sources. The author examined and reviewed all available drill data, geologic maps and interpretive reports from previous workers at Sunnyside. This information consists of data accumulated from at least 6 separate exploration groups over a period of some 60 years. As previously discussed, the majority of this data was generated by respected major mineral exploration and/or mining companies (Anaconda, Kerr-McGee, West Range and Asarco) and thus it is likely that their respective procedures and methodologies would have at least met industry standards at the time of the work. In addition, the information resulting from the historical work on the property is consistently reported by the various companies over the years.

Observations made by the author during the recent April 2012 site visit provided additional assurance that historical information was accurate in as much as roads and drill sites matched those shown on available maps and reports. The author personally examined the northern and southern portions of the property and observed significant zones of hydrothermal alteration (phyllic to advanced argillic), consistent with the presence of porphyry-style mineralization, associated with intrusive rocks including QFP’s, breccias pipes and the diatreme unit. An examination of core from several historic drillholes was also conducted by the author that confirmed the presences of skarn and porphyry style mineralization at depth as well as the presence of shallower chalcocite enrichment.

With respect to the recent core resampling program conducted by Regal, the author was provided with several analytical certificates that were used to check the resulting database and no issues were identified.

In addition, the author collected six (6) rock grab samples and one (1) piece of drill core that further confirmed the presence of mineralization (see Figure 14). Descriptions of the samples collected by the author are presented in Table 4 and analytical certificates are appended to this report (Appendix 3). Table 5 summarises the analytical results of the 2012 ‘property visit’ samples. Briefly, the samples confirmed the presence of copper mineralization on surface and in drill core (samples 12ATP001 and 007, respectively). Of note was sample 12ATP005 that comprised a sample of sulphide bearing material from the small past producing O’Mara vein located in the south side of the Property that contained elevated Au, Ag, Cu, Pb, Zn, As, Bi and Sb and thus geochemically resembles a classic epithermal vein metal assemblage.

The historical drill cores in the storage facility were found to be in very good condition. The core boxes were in good condition and were clearly labeled. The lithologies and depths of the actual core were found to be consistent with historical logs, although it was clear that the re-logging completed by Regal had provided additional details and provided a much needed review that allowed for a consistent naming of key lithologies and their alteration zones that has allowed Regal to make sense of drill logs produced by different geologists through 3-4 different drilling campaigns.

In short, in outcrop and in drill core, the author of this report observed evidence for a very large hydrothermal system that has produced moderate to intense alteration to a very large package of intrusive, volcanic and sedimentary rocks at the Sunnyside Project. The author examined core from drillholes that had intersected portions of all three of the proposed targets at the property (shallow and deep porphyry, deep skarn and shallow chalcocite enrichment) and observed secondary copper mineralization at surface.

13.0 MINERAL PROCESSING AND METALLURGICAL TESTING

Copper from Cu-oxide minerals is normally easily liberated by weak acid solution and copper sulphide minerals are normally liberated and concentrated by standard milling and floatation techniques. However, copper from supergene enrichment zones, which often involves chalcocite (Cu_2S) mineralization, can be problematic. ASARCO completed limited metallurgical tests on samples from three holes (BB 2-4) with mainly chalcocite zone mineralization in 1991. These tests indicated limited recovery of the copper using a ferric-acid leach (average recoveries ranged from 20% to 42%). This information, combined with the relatively low average grades (0.37% copper) and low metal prices at the time, provided the company with a reason to drop the project (unpublished memo residing within the Arizona Geological Survey, Patagonia, Arizona files).

Regal completed limited metallurgical testing on selected intervals of core from the chalcocite enrichment zones overlying the Sunnyside porphyry Cu system. A sequential leach test was performed using dilute sulfuric acid followed by dilute cyanide. These results indicate an average recovery for Cu of 88% for holes BB 2, 3, 4 and 6. The Cu recoveries were the same for the near surface as they were for the deeper mineralization.

The sequential leach tests were performed by Skyline Labs of Tucson, Arizona to determine leachability of the chalcocite and other copper species. Skyline is an international standard ISO/IEC 17025:2005 accredited lab. An initial total copper content was determined by Atomic Absorption following a near-total digestion of the copper using a three acid process. The sequential copper content was determined by digestion in two steps: 1) with a 5-per-cent sulphuric acid cold solution; and 2) a 10-per-cent sodium cyanide digestion of the residue of step 1. Solutions from each step were analyzed by atomic absorption. The sum of these two analyses compared to the total copper content is an indicator of the leachable copper content of the sample. A summary of these tests results is provided below in Table 7.

Sulfuric acid leaching recovers most of the copper oxide species while the cyanide leach recovers much of the chalcocite copper. A total copper content is used to calculate the recovery (%Rec). Based on the previous total copper values (TCu), Table 3 provides recovery of oxide copper (Cuas) and chalcocite (Cucn) along with total recovered copper (CuRec) from the leach process. The %Rec column is calculated by dividing CuRec by TCu.

A complete tabulation of Skyline's metallurgical test results are shown in Appendix 4.

Table 7. Summary Sequential Leach Testing Data For Chalcocite Target Samples.

DH ID	From	To	Interval	TCu	Cuas	Cucn	CuRec	%Rec
BB - 2	12 m	43 m	31 m	0.45 %	0.07 %	0.30 %	0.37 %	83%
BB - 3	4 m	27 m	23 m	0.26 %	0.04 %	0.20 %	0.24 %	94%
BB - 3	183 m	219 m	36 m	0.32 %	0.07 %	0.20 %	0.27 %	86%
BB - 4	4 m	58 m	54 m	0.43 %	0.09 %	0.31 %	0.40 %	93%
BB - 6	6 m	37 m	31 m	0.34 %	0.05 %	0.23 %	0.28 %	82%
BB - 6	91 m	149 m	57 m	0.82 %	0.08 %	0.65 %	0.73 %	89%

The author did not examine remaining core from holes BB2-4. However, the author did examine core samples from the chalcocite zone in drillhole BB-6. In the opinion of the author, there was nothing visually unusual about the chalcocite mineralized material observed in hole BB-6 and thus there was nothing to suggest that these samples are not representative of chalcocite enrichment zone mineralization at the Property.

In addition to the chalcocite mineralization, ASARCO completed a limited metallurgical test on the skarn mineralization (unpublished memo residing within the Arizona Geological Survey, Patagonia, Arizona files). A limited examination of 2 zones of mineralization located within hole TCH-2 indicate that the majority of the silver reported to a lead concentrate and copper reported to a zinc concentrate. The recovery of the base metals in general was considered to be very good for standard flotation methods. Regal has not confirmed this information with its own tests. The author observed skarn mineralization in core samples that remain from drillhole TCH-2 during the property visit completed in April 2012. The mineralization was observed to be sufficiently coarse grained (sphalerite, chalcopyrite and galena) that liberation and floatation of the individual sulphide minerals should not be difficult. The author did not observe anything that would adversely affect the liberation or recovery of the key commodities, although silver is often not visually apparent and requires more detailed investigation to determine its liberation and concentration characteristics. No significant issues with respect to the liberation and concentration of the key commodities were indicated by the limited metallurgical work completed on the base metal skarn mineralization.

Continued exploration at Sunnyside by Regal will require further metallurgical testwork. If Regal decides to drill the chalcocite enrichment zone target, further testwork will be required to insure the leachability of any copper mineralization intersected. Similarly, if Regal conducts drill testing of the porphyry targets then testing of any mineralization intersected will be required to test the recoverability of mineralization (Cu and/or Mo) intersected.

14.0 MINERAL RESOURCE ESTIMATES

Reliable records are available for work completed by Anaconda, ASARCO, Kerr McGee, Rio Algom and West Range (Graybeal, 1972). Between 1951 and 1993, some 43 drillholes tested the Sunnyside, BX, Bucket, and Skarn targets at the Property. However, due the age and wide-spacing of many of these holes, the Sunnyside Project is considered to be at a relatively early stage of exploration. There are no NI 43-101 compliant mineral resources or reserves outlined at the Project. Several non-compliant historical resource estimations have been completed for the shallow chalcocite and deeper porphyry targets but they are not discussed in this report due a lack of documentation with respect to their calculation.

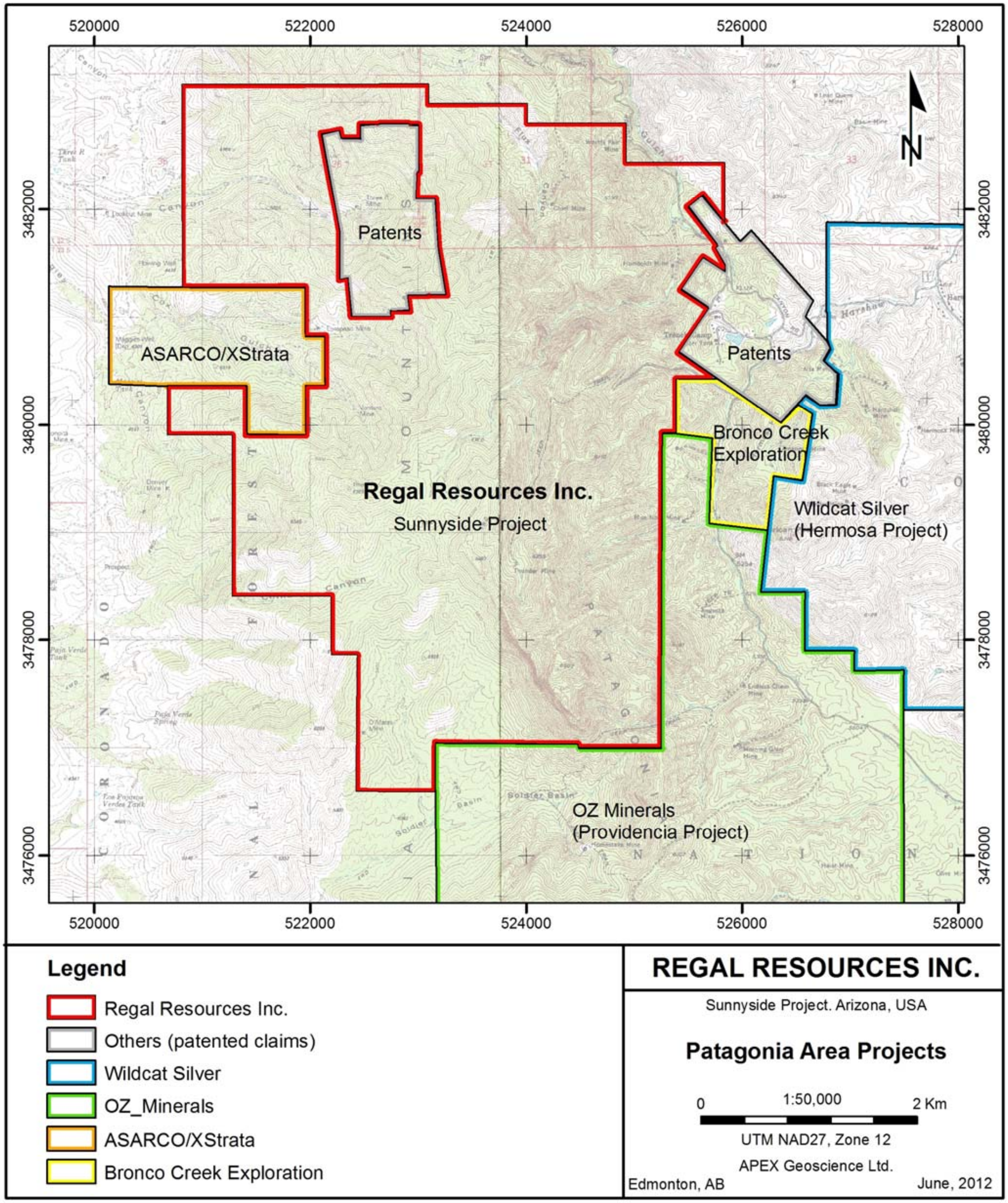
15.0 ADJACENT PROPERTIES

Adjacent properties are mentioned in previous sections of this report and are described in a little more detail in this section. Adjacent properties, such as the Hermosa Mine, Flux Canyon Mine, 3R Mine, Four Metals property, Ventura property, Red Mountain property and Mowry Mine are identified in Figures 2 and 15, and their historical production is referenced for descriptive purposes only. No inference is made in this report to similarities between the Sunnyside and these adjacent properties described below.

There have been a number of small, past producing mines that have operated historically in the vicinity of the Property, that were mainly active during the early- to mid-1900's. No significant mineral production is occurring immediately adjacent to the Property at this time.

Four Metals Property

The Four Metals Property is currently owned by Columbus Gold Corporation and Herb Duerr. It is located approximately 4 km south of the Property boundary. The Four Metals Property area covers the former Four Metals copper mine that has been explored by a number of mining and exploration companies since the 1960's. Copper mineralization is hosted by a roughly circular 300m diameter breccia pipe intruding granitic rocks. The mineralization consists of supergene enriched chalcocite within a shallow zone, underlain by a larger body of primary pyrite, chalcopyrite and molybdenite. A non-43-101-compliant resource estimate was completed by Cobre Copper in 1991 that estimated a high-grade resource of 7.583 million tons at 0.83% Cu, and a lower-grade global resource estimated at 23.042 million tons at 0.42% Cu (Columbus Gold Corporation website – www.columbusgoldcorp.com).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Patents
ASARCO/XStrata
Patents
Bronco Creek Exploration
Regal Resources Inc.
Sunnyside Project
Wildcat Silver (Hermosa Project)
OZ Minerals (Providencia Project)
N
Legend
Regal Resources Inc.
Others (patented claims)
Wildcat Silver
OZ_Minerals
ASARCO/XStrata
Bronco Creek Exploration
REGAL RESOURCES INC.
Sunnyside Project. Arizona, USA
Patagonia Area Projects
0
1:50,000
2 Km
UTM NAD27, Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June, 2012

Figure 15.

Red Mountain Area / Patagonia Alunite Property

The Patagonia Alunite Property, owned by North American Potash Developments Inc., is located approximately 4km northeast of the Sunnyside Property. The Patagonia Alunite Property consists of 222 mineral claims located within alunite deposits with high potassium sulphate contents. Earth Sciences Inc. conducted exploration on the property in the 1970's, and calculated a non-"43-101"-compliant resources of 303 million tons (274.876 million tonnes) of mineralized material, averaging 91 million tons (82.553 million tones, or 30%) alunite, or 33 million tons (29.937 million tonnes) aluminum oxide (11.1% alumina). Potassium sulphate from the mineralized material was estimated at 18 million tons (16.329 million tonnes). North American Potash Developments Inc. plans on targeting the economic potential of potassium sulphate and alumina production from this property (North American Potash Developments Inc. website – www.napotash.com).

Providencia Project

Oz Minerals, an Australian mining and mineral exploration company, owns an option to purchase 100% of a package of claims known as the Providencia Project located in Santa Cruz County, Arizona. The Providencia Project lies immediately adjacent to the Sunnyside Property to the south and southeast. Oz Minerals (see Oz Minerals website www.ozminerals.com) has reported that:

> "A major porphyry target has been defined, based on geological and alteration mapping, outcropping breccia pipe mineralisation and IP and magnetic data. Previous drilling was restricted to the western margin of this target and comprised two holes returning significant intervals of copper mineralisation. Permitting for the proposed drilling program is well advanced".

Hermosa Silver Project

Wildcat Silver Corporation is a public Canadian mineral exploration company with an 80% interest in the Hermosa Silver Project in Santa Cruz, Arizona (see Wildcat website – www.wildcatsilver.com). The remaining 20% is owned by a private Canadian company, Diamond Hill Investment Company. The Hermosa Project comprises a contiguous block of 8 patented and 251 unpatented claims totaling some 4,877 acres that is located essentially adjacent to the east side of the Sunnyside Project. The Hermosa Project hosts a significant 43-101 compliant silver resource within manto-style silver, manganese, lead, zinc replacement mineralization that occurs at the contact of Paleozoic limestones and overlying Cretaceous sediments. Additional silver mineralization occurs higher up in the Cretaceous volcanics associated with very low levels of base metals. The mineralization occurs as carbonate replacement, veinlets, and fault – fracture infills (Welhener, 2012).

Hermosa Project 2012 Mineral Resource Update

Zone	Type	Tons (,000)	Ag (opt)	Mn (%)	Zn (%)	Cu (%)	Pb (%)	Contained Ag (oz)
INDICATED								
Manto	Oxide	66,218	2.00	5.99	1.54	0.06	0.93	130,292,400
Upper Silver	Oxide	45,542	0.90	-	-	-	-	40,987,800
Skarn	Sulphide	-	-	-	-	-	-	0
Total		111,760	1.55					171,280,200
INFERRED								
Manto	Oxide	29,985	1.4	6.65	2.22	0.08	1.49	42,464,000
Upper Silver	Oxide	57,973	0.9	-	-	-	-	52,148,700
Skarn	Sulphide	4,212	0.9	4.68	2.31	0.07	1.64	3,982,500
Total		92,170	1.06					98,595,200

Deep Porphyry Project Analogs

Although recent work completed at the Sunnyside Property by Regal has provided evidence suggestive of shallower porphyry-style mineralization, Regal has also confirmed historical work that identified porphyry Cu mineralization between depths of approximately 4000 feet (~1100m) and 6000 feet (~1800m) below surface. These depths are beyond that normally considered to be economically viable for the open pit mining method. However, porphyry-style mineralization at such depths, depending on many factors affecting economics, can be amenable to a large–scale underground mining process known as block-caving. The following section describes two advanced porphyry Cu deposits that comprise, or include, mineralization occurring at significant depths below surface that are being developed utilizing, or incorporating, the block-caving mining method. No comparisons are made between these projects and the Sunnyside Project other than those related to depth of mineralization, and no inferences are drawn with respect to the potential size, grade or economic factors, between the projects described below and the Sunnyside Project. That being said, the identification of mineralization of this type is Regals' goal with respect to future exploration of the "deep porphyry" target at the Sunnyside Property.

Resolution Copper Project

The Resolution Copper Project, located approximately 200 km north of the Sunnyside Property east of Superior, Arizona. The project is owned by Resolution Copper, a joint venture between Rio Tinto PLC (55%) and BHP-Billiton PLC (45%) and comprises a large, world class copper resource located more than 2,000 m (6500 feet) below surface (Figure 16a). In 2010, Rio Tinto estimated a 43-101 compliant Inferred Resource of 1.790 billion tons at 1.47% Cu and 0.037% Mo (see Resolution Copper website – www.resolutioncopper.com). An underground mining method is planned that will include panel caving and possibly block caving (Figure 16a). The project is estimated to produce over 500,000 tons of copper per annum, with production lasting over 40 years. The project is currently in pre-feasibility stage, which is expected to be completed by the end of 2012.

Pebble Project

The Pebble Project is owned by the Pebble Partnership, a 50:50 joint venture between Northern Dynasty Minerals Ltd. and Anglo-American PLC. The project is located in Southwest Alaska, some 330km southwest of Anchorage and 30km northwest of the town of Iliamna. The Pebble Project comprises one of the largest concentrations of copper, molybdenum, gold and silver in the world and is currently in the pre-feasibility stage (see the Pebble Partnership link at the Northern Dynasty website www.northerndynastymineral.com). The high-grade eastern section of the porphyry deposit sits approximately 1500 to 2000 m below surface and has the potential for underground bulk mining such as block caving, whereas the lower-grade western part of the deposit is nearer surface and has the potential for open pit mining (Figure 16b). The 43-101 compliant mineral resource estimates for the project include 6.55 billion tons (5.94 billion tonnes) in the indicated and measured categories, at 0.42% Cu, 0.35g/t Au and 250ppm Mo. An additional 5.34 billion tons (4.835 billion tones) lies within the inferred category and averages at 0.24% Cu, 0.26g/t Au and 215ppm Mo. Total contained copper is estimated at 80.6 billion pounds, molybdenum at 5.6 billion pounds and gold at 107.4 million ounces.

16.0 OTHER RELAVENT DATA AND INFORMATION

The authors of this report are not aware of any other relevant information the failure to disclose which would make this report misleading.

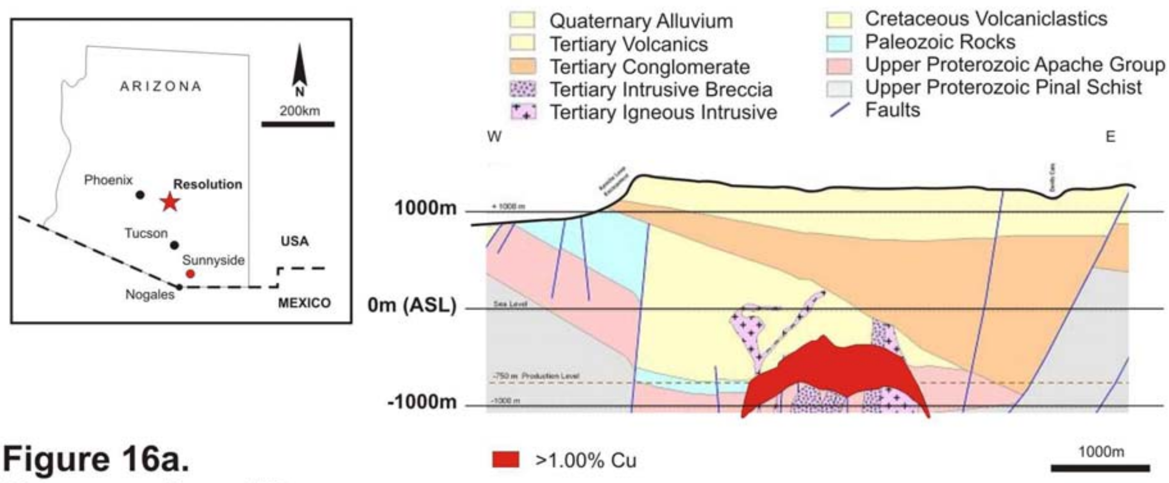

Figure 16a.
Cross-section of the Resolution Deposit, AZ

(from www.resolutioncopper.com)

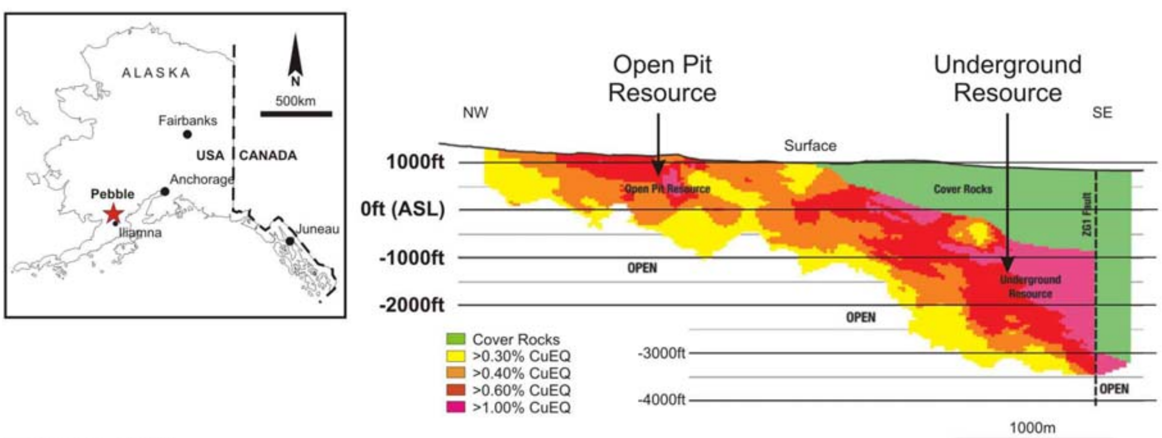

Figure 16b.
Cross-section of the Pebble Deposit, AK

(from www.northerndynasty.com)

17.0 INTERPRETATIONS AND CONCLUSIONS

APEX Geoscience Ltd. (“APEX”) was retained by Regal Resources Inc. (“Regal”) in April 2012 and was tasked with the completion of a NI43-101 compliant Technical Report on their Sunnyside Project (the “Project” or the “Property”). Regal Resources is a Canadian junior exploration company that is currently seeking to be listed as a Tier 2 Resource Corporation/Company on the TSX Venture Exchange. As a result, and in anticipation of future financing requirements with respect to recommended work, a technical report for the Sunnyside Project is required.

The following is a summary of the review of the Sunnyside Project completed by APEX:

1. Geologically, the Sunnyside Project is situated within a broad northwest trending corridor of porphyry copper deposits that straddles the U.S. – Mexico border.
2. The Project is located in the Patagonia Range of mountains approximately 25km northeast of Nogales, Arizona. The range is cored by a Laramide, multi-phase intrusive complex comprising quartz monzonite to granodiorite and lesser quartz-feldspar porphyry. Radiometric age dates completed by the USGS and others (Graybeal, 2007) suggest the emplacement of the intrusive occurred between 74 and 58 Ma.
3. Historical reports, and a site visit performed by the author between April 25 and 26, 2012, confirm the presence of a significant hydrothermal alteration system at (and underlying) the Sunnyside Property. In the opinion of the author, the Sunnyside Property is a “Property of Merit” and a significant exploration program is recommended (see the following section of this report).
4. The Sunnyside Project comprises 298 unpatented federal mining claims covering a total of approximately 5,462.9 acres (2210.75 ha) located within Santa Cruz County, Arizona.
5. Regal Resources Inc. entered into an “option agreement” with property owner MinQuest, Inc. (MinQuest) of Reno, Nevada, in January 2010. In order to obtain a 100% interest in the Property, less a 3% NSR retained by MinQuest, Regal is required to make a total of US$810,000 in cash payments, issue 2,000,000 shares to MinQuest and complete a total of US$25.5 million in exploration expenditures all spread over a 10 year period.
6. In February 2012, Regal and MinQuest amended their original “option agreement” such that MinQuest had agreed to sell its interest in the Sunnyside Project to Regal. Under the terms of the “definitive agreement”, Regal must pay MinQuest a total of US$800,000 in exchange for 100% ownership of the Project.

A non-refundable deposit of US$100,000 was paid to MinQuest with the balance due by the closing date of April 30, 2012. MinQuest will retain a 1.5% NSR.

7. The “purchase agreement” was amended on April 30, 2012, such that the non-refundable deposit was increased to US$500,000, with a payment of US$400,000 to MinQuest, and closing date for the payment of the balance of the total US$800,000 was extended to May 30, 2012.
8. The “purchase agreement” was further amended on May 23, 2012, such that the closing date for the payment of the balance of purchase price (US$300,000) was extended to June 30, 2012.
9. In 2010-2011, MinQuest, on behalf of Regal, conducted a significant data compilation and sampling program at Sunnyside. Historical drill cores were acquired, catalogued and re-logged. Some 367 samples were collected from previously sampled and un-sampled drill core. Surface geological mapping was conducted at the Property.
10. The new data (geological and geochemical) was compiled and lead to the following conclusions;
    a. The Sunnyside Project hosts at least one, and possibly other overlapping, porphyry-style alteration systems.
    b. The Property hosts porphyry copper mineralization that has been intersected in historical drillholes at depths below surface of approximately 3700’ (~1100m) below surface and extending at least 2700 feet (~800m+) further in depth. Historical drilling suggests that the “deep” porphyry copper mineralization target is approximately 4000 feet (~1200m) in and E-W direction and 5000 feet (~1500m) in a N-S direction and is located in he north central portion of the property (see Figure 17).
    c. Recent mapping in the vicinity of the west central portions of the Property have identified “Gusano” alteration, comprising distinct patchy silica-pyrophyllite-alunite development that has been observed at many significant porphyry copper deposits around the world in the lithocaps immediately overlying porphyry systems. As a result, a “shallow” porphyry target has been identified and sits in the vicinity of historical drillhole TR-11 (see Figure 17).
    d. In addition to the porphyry copper targets, the Property hosts Cu (+/-Ag) in the form of chalcocite enrichment zones at relatively shallow levels. As a result of the recent work completed by Regal, two discreet “chalcocite zone” target areas have been identified in the northwestern and northeastern portions of the Property (Figure 18).

e. Finally, Historical drilling has intersected significant base metal mineralization in the form of skarns at depth beneath the eastern portions of the Property. Historically, base and precious metal skarns have been mined nearer to surface at several mines adjacent to the Property. As a result, a potential exists for the identification of additional base metal "skarn" mineralization associated with Paleozoic rocks adjacent to the porphyry system at the property (Figure 19).

11. The author of this report is not aware of any significant environmental issues that would affect Regal's ability to conduct exploration at the Project.

12. There are no NI 43-101 compliant mineral resources or mineral reserves identified at the Property.

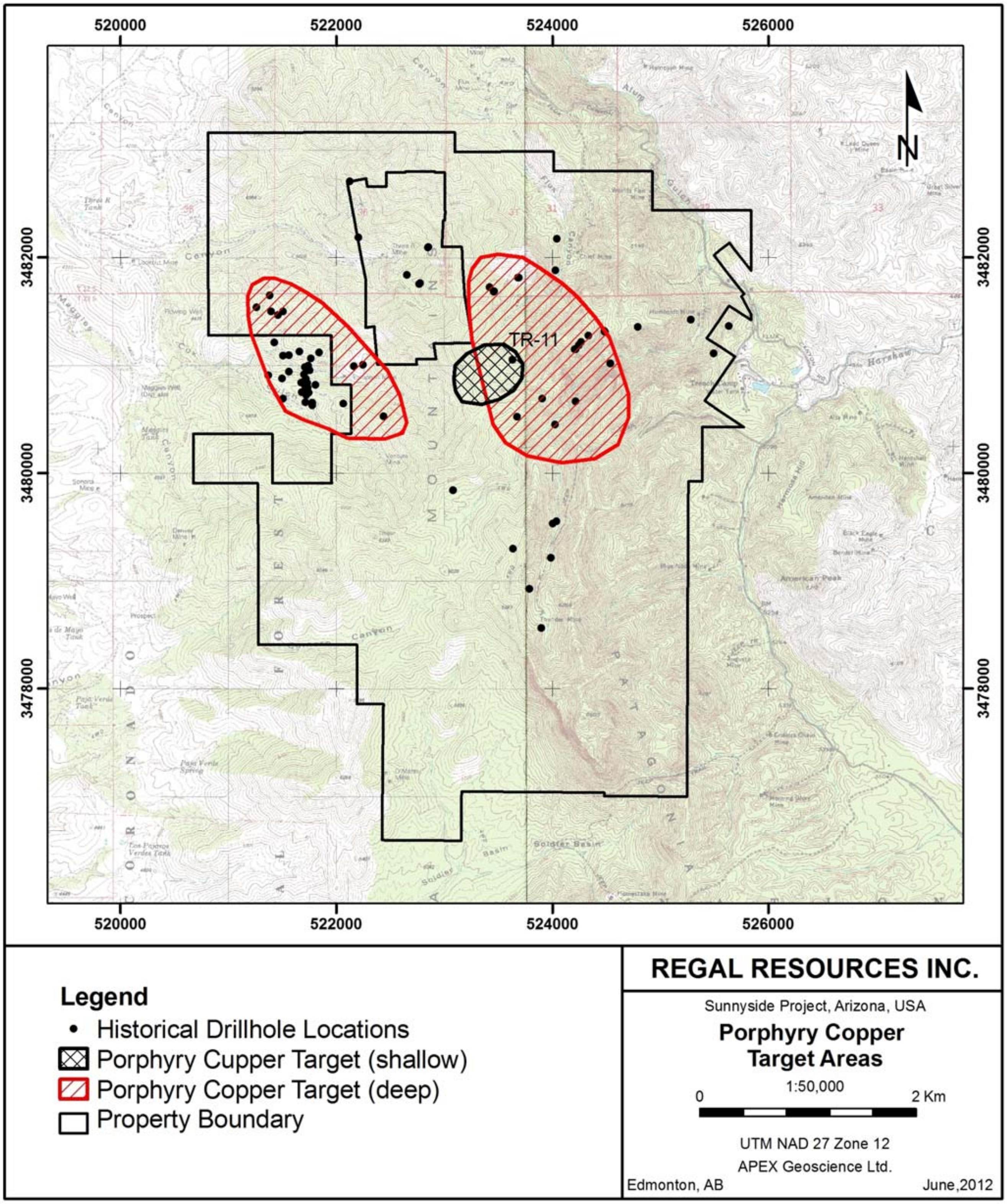
520000
522000
524000
526000
3482000
3480000
3478000
TR-11
N
Legend
Historical Drillhole Locations
Porphyry Cupper Target (shallow)
Porphyry Copper Target (deep)
Property Boundary
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Porphyry Copper
Target Areas
1:50,000
0
2 Km
UTM NAD 27 Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 17.

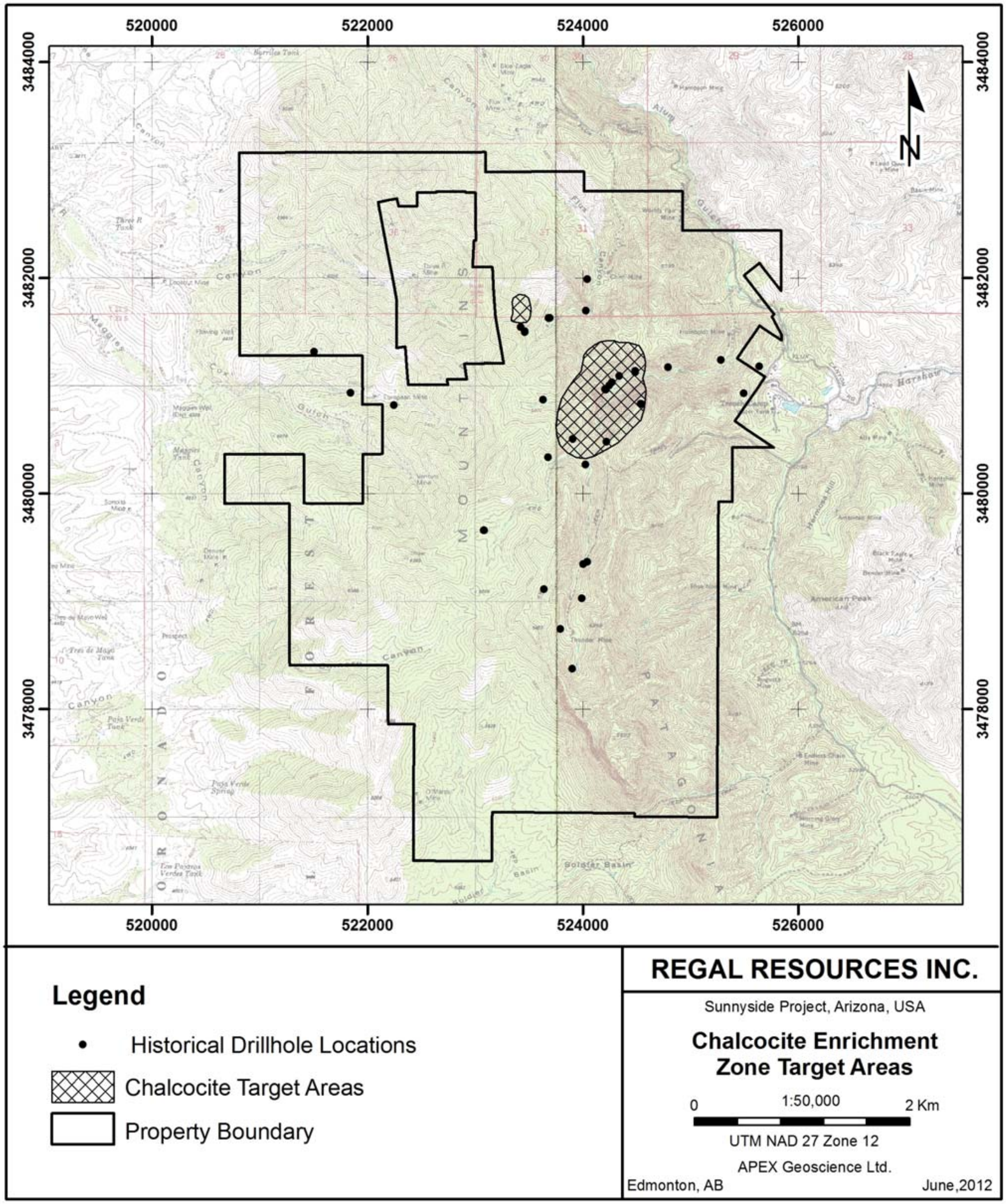
520000
522000
524000
526000
3484000
3482000
3480000
3478000
Legend
Historical Drillhole Locations
Chalcocite Target Areas
Property Boundary
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Chalcocite Enrichment Zone Target Areas
0
1:50,000
2 Km
UTM NAD 27 Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 18.

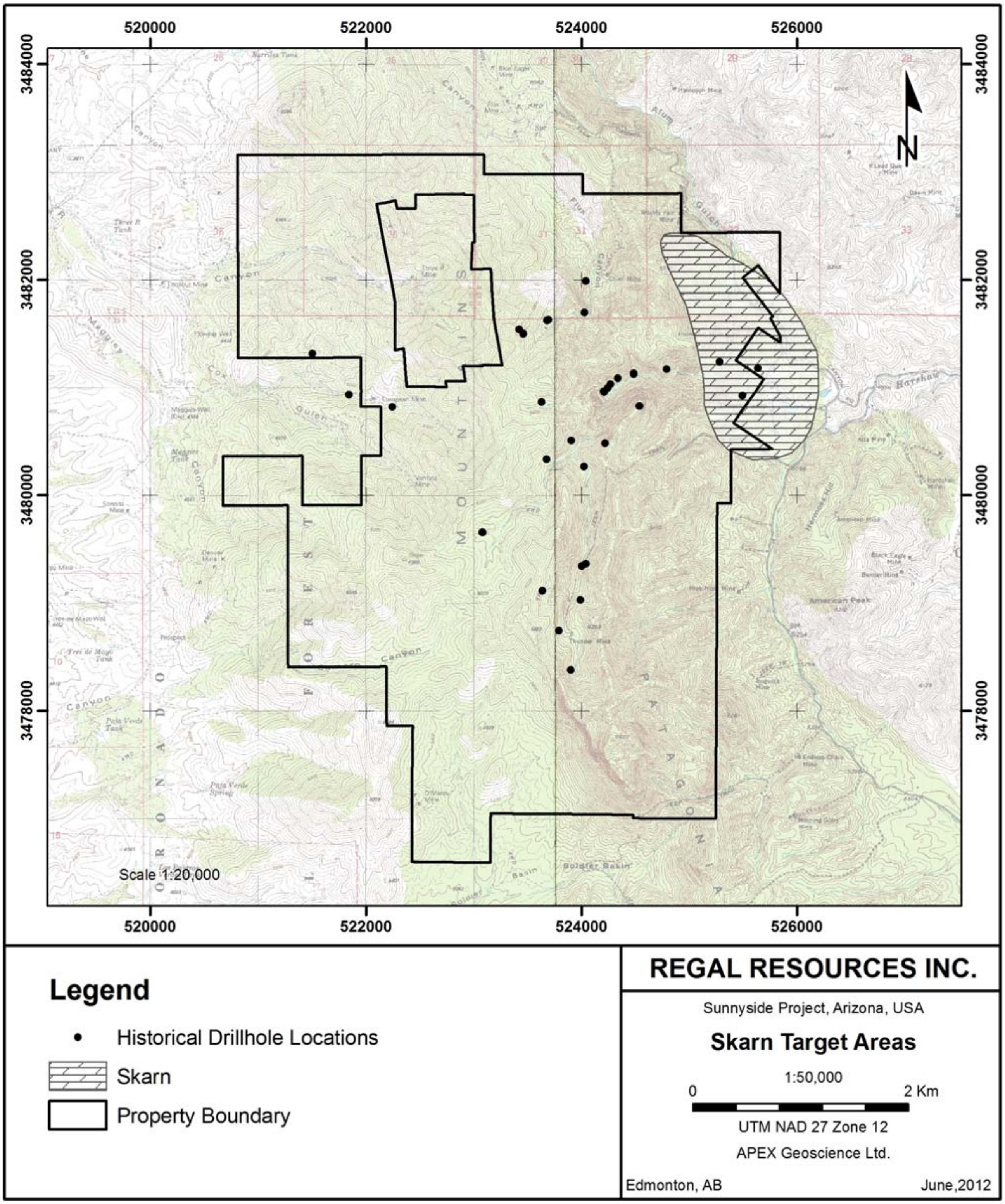
520000
522000
524000
526000
3484000
3482000
3480000
3478000
Scale 1:20,000
Legend
Historical Drillhole Locations
Skarn
Property Boundary
REGAL RESOURCES INC.
Sunnyside Project, Arizona, USA
Skarn Target Areas
1:50,000
0
2 Km
UTM NAD 27 Zone 12
APEX Geoscience Ltd.
Edmonton, AB
June,2012

Figure 19.

18.0 RECOMMENDATIONS

In the opinion of the author of this report, the results generated by the data compilation and historical drill core re-logging and sampling program recently completed by Regal at the Sunnyside Project are sufficiently encouraging to warrant a significant exploration program. Furthermore, the author was impressed by the extent and degree of alteration observed in outcrops at the Property during a site visit conducted in late April 2012, which clearly indicates that a significant hydrothermal system has affected the rocks underlying the Property.

As discussed in previous sections of this report, the Property hosts compelling shallow (within ~1000m of surface) and deep (below ~1000m of surface) Porphyry Cu-Mo targets. In addition, the property hosts shallow Cu (+/- Ag) targets comprising mineralization associate with abundant breccias pipe systems that have been mapped throughout the Property and secondary chalcocite enrichment zones. Finally, base metal skarn mineralization has been intersected in several deep drillholes located on the northeastern portion of the Property.

In the opinion of the author, the Cu-Mo porphyry and Cu-Ag breccia and chalcocite targets are the most compelling and warrant further exploration. A phased exploration program is recommended. The Phase 1 exploration program would comprise a large soil sampling and ground geophysical program intended to examine the potential for identifying Cu (+/-Ag) mineralization associated with relatively shallow level breccias and/or chalcocite enrichment zones and the shallow Cu porphyry target.

The author recommends the completion of a large array (deeper penetrating) IP (Induced Polarization) survey as part of the Phase 1 exploration program. IP geophysical surveying is a technique that is commonly applied to the exploration of porphyry Cu systems due to its ability to highlight disseminated sulphide minerals associated with this deposit model. Modern survey systems, such as the Titan 24 system used by Quantec Geoscience, have the benefit of being able to penetrate to, and generate data from, significant depths and may even be able to provide information applicable to the targeting of the deep porphyry target at the Property. This is the primary reason for phasing the recommended exploration program as this will allow for the completion of such a deep-penetrating geophysical survey that may provide information to assist in the targeting of drilling to test the deep porphyry Cu target at the Property.

Drill testing of shallow breccias zone, chalcocite and porphyry targets, along with drill testing of the deep porphyry target, comprise the second phase of the recommended exploration program at the property. Obviously, the lower cost of conducting shallow drilling, combined with the benefits of identifying a potentially open-pitable resource at the property, would lead one to prioritize this effort over deeper drilling. However, a limited deep drilling program is recommended based on the fact that historical drillholes have already identified porphyry copper mineralization at the deep target and thus there exists a significant potential for identifying a potentially economic deposit analogous to that at the Resolution Cu Project, for example, located near Superior, AZ (see the Adjacent Properties section of this report).

In summary, the estimated cost of the Phase 1 soil sampling and geophysical surveying program is approximately **US$300,000**. The estimated cost of the Phase 2 drilling program is approximately **US$2,200,000**. As a result, the total cost of the recommended exploration programs at the Property is estimated at **US$2.5M**. All of the work items listed above are considered by the author to be warranted at this time and none are contingent on the results of any of the others. The porphyry, chalcocite and skarn targets are defined sufficiently at this time to allow for further drill testing. The geophysical and geochemical surveys comprising the Phase 1 program are intended to explore for additional targets on the Property and refine the targeting for a Phase 2 drill program.

APEX Geoscience Ltd.

June 11, 2012

Andrew J. Turner, B.Sc., P.Geol.

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Certificate of Author

I, Andrew J. Turner, P.Geol., do hereby certify that:

1. I am currently employed as a Senior Geologist with:

   APEX Geoscience Ltd.
   #200 9797 45 Avenue
   Edmonton, Alberta, Canada T6E 5V8

2. My academic qualification is: Bachelor of Science, (Honors) Geology, received from the University of Alberta in 1989.

3. My professional affiliation(s): member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, Canada (APEGGA) since 1994 as well as the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEGG).

4. I have worked as a geologist for more than 22 years since my graduation from university and have experience with Porphyry Cu deposits in Western Canada, the United States and Chile.

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

6. I am responsible for the preparation of all sections of the technical report titled "***Technical Report on the Sunnyside Project, Arizona, USA***" and dated June 11, 2012 (the "**Technical Report**"), on behalf of Regal Resources Inc. (the "Company"), relating to the Sunnyside Project. I conducted a site visit to the Sunnyside Project between April 25 and 26, 2012.

7. I have had no involvement with the property that is the subject of the **Technical Report** prior to my site visit conducted between April 25 and 26, 2012.

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

9. I am fully independent of both the Company and the Property Vendor (MinQuest Inc.) in accordance with section 1.5 of NI 43-101.

10. I have read NI 43-101 and Form 43-101F1, and the **Technical Report** has been prepared in compliance with that Instrument and Form.

11. I consent to the public filing of the **Technical Report** and to extracts from, or a summary of the Technical Report, with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their website accessible by the public.

PROFESSIONAL GEOLOGIST OF ALBERTA
ANDREW J. TURNER

Dated: June 11, 2012

Andrew J. Turner, B.Sc., P.Geol.

Appendix 1

Detailed Property Information

Claim Name	AMC No.	Claimant's Name	Status	Location
Buket 1	371758	RUSSELL CORN/BRIAN CORN	Active	14 0230S 0160E 006 NE
Buket 2	371759	RUSSELL CORN/BRIAN CORN	Active	14 0230S 0160E 006 NE, 14 0230S 0160E 005 NW
Buket 3	367729	RUSSELL CORN/BRIAN CORN	Active	14 0230S 0160E 006 NE SE
Buket 4	367730	RUSSELL CORN/BRIAN CORN	Active	14 0230S 0160E 006 NE SE, 14 0230S 0160E 005 NW SW
Buket 7	371760	RUSSELL CORN/BRIAN CORN	Active	14 0230S 0160E 006 SE
Buket 8	371761	RUSSELL CORN/BRIAN CORN	Active	14 0230S 0160E 006 SE, 14 0230S 0160E 005 SW
HUM 01	368735	MinQuest Inc.	Active	NW ¼ 05 23 16
HUM 02	413394	MinQuest Inc.	Active	NW ¼ NE ¼ 05 23 16
HUM 03	413395	MinQuest Inc.	Active	NW ¼ 05 23 16
HUM 04	368738	MinQuest Inc.	Active	NW ¼ NE ¼ 05 23 16
HUM 05	368739	MinQuest Inc.	Active	NW ¼ 05 23 16
HUM 06	368740	MinQuest Inc.	Active	NW ¼ NE ¼ 05 23 16
HUM 07	368741	MinQuest Inc.	Active	SW ¼ 32 22 16 NW ¼ 05 23 16
HUM 08	368742	MinQuest Inc.	Active	SW ¼ SE ¼ 32 22 16 NW ¼ NE ¼ 05 23 16
HUM 09	368743	MinQuest Inc.	Active	SW ¼ 05 23 16
HUM 10	368744	MinQuest Inc.	Active	SW ¼ SE ¼ 32 22 16
HUM 11	370864	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 12	410048	MinQuest Inc.	Active	SE ¼ SW ¼ 32 22 16
HUM 13	415692	MinQuest Inc.	Active	31 22 16
HUM 14	370865	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 19	415693	MinQuest Inc.	Active	31 22 16
HUM 20	370866	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 21	370867	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 22	410049	MinQuest Inc.	Active	SW ¼ SE ¼ 32 22 16
HUM 25	415694	MinQuest Inc.	Active	31 22 16
HUM 26	370868	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 27	370869	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 28	410050	MinQuest Inc.	Active	SW ¼ SE ¼ 32 22 16
HUM 31	415695	MinQuest Inc.	Active	31 22 16 32 22 16
HUM 32	415696	MinQuest Inc.	Active	31 22 16
HUM 37	415697	MinQuest Inc.	Active	31 22 16
HUM 38	415698	MinQuest Inc.	Active	31 22 16
HUM 47	413396	MinQuest Inc.	Active	LOT 1, 7, NE ¼ 36 22 15 NW ¼ 31 22 16
HUM 48	413397	MinQuest Inc.	Active	LOT 1 NE ¼ 36 22 15 NW ¼ 31 22 16
SB 100	368796	MinQuest Inc.	Active	13 23 15
SB 101	368797	MinQuest Inc.	Active	13 23 15
SB 74	368784	MinQuest Inc.	Active	13 23 15
SB 75	368785	MinQuest Inc.	Active	13 23 15
SB 76	368786	MinQuest Inc.	Active	13 23 15
SB 77	368787	MinQuest Inc.	Active	13 23 15 18 23 16
SB 80	370870	MinQuest Inc.	Active	31 22 16 18 23 16
SB 81	370871	MinQuest Inc.	Active	31 22 16 18 23 16
SB 82	370872	MinQuest Inc.	Active	31 22 16 18 23 16
SB 84	370873	MinQuest Inc.	Active	31 22 16 18 23 16
SB 86	370874	MinQuest Inc.	Active	31 22 16 18 23 16
SB 88	370875	MinQuest Inc.	Active	31 22 16 18 23 16
SB 89	370876	MinQuest Inc.	Active	21 22 16 07 23 16
SB 90	370877	MinQuest Inc.	Active	31 22 16 18 23 16
SB 91	370878	MinQuest Inc.	Active	21 22 16 07 23 16
SB 92	368788	MinQuest Inc.	Active	18 23 16
SB 93	368789	MinQuest Inc.	Active	18 23 16
SB 94	368790	MinQuest Inc.	Active	13 23 15
SB 95	368791	MinQuest Inc.	Active	13 23 15
SB 96	368792	MinQuest Inc.	Active	13 23 15
SB 97	368793	MinQuest Inc.	Active	13 23 15
SB 98	368794	MinQuest Inc.	Active	13 23 15
SB 99	368795	MinQuest Inc.	Active	13 23 15
VEN 1	370789	MinQuest Inc.	Active	LOT 10 SW ¼ 36 22 15 NW ¼ 1 23 15
VEN 10	370796	MinQuest Inc.	Active	NW ¼ NE ¼ 1 23 15
VEN 100	370190	MinQuest Inc.	Active	SE ¼ 6 23 16
VEN 101	370842	MinQuest Inc.	Active	SW ¼ SE ¼ 6 23 16
VEN 102	370843	MinQuest Inc.	Active	SE ¼ 6 23 16
VEN 103	370844	MinQuest Inc.	Active	SW ¼ SE ¼ 6 23 16
VEN 104	370845	MinQuest Inc.	Active	SE ¼ 6 23 16
VEN 105	370846	MinQuest Inc.	Active	SW ¼ SE ¼ 6 23 16
VEN 106	370847	MinQuest Inc.	Active	SE ¼ 6 23 16
VEN 107	370848	MinQuest Inc.	Active	SW ¼ SE ¼ 6 23 16

Claim Name	AMC No.	Claimant's Name	Status	Location
VEN 107a	370849	MinQuest Inc.	Active	SW ¼ SE ¼ 6 23 16
VEN 108	370850	MinQuest Inc.	Active	SE ¼ 6 23 16
VEN 109	370851	MinQuest Inc.	Active	SW ¼ SE ¼ 6 NW ¼ NE ¼ 7 23 16
VEN 11	372233	MinQuest Inc.	Active	NW ¼ 1 23 15
VEN 111	370852	MinQuest Inc.	Active	NW ¼ NE ¼ 7 23 16
VEN 112	n/a	MinQuest Inc.	n/a	staked but not yet filed
VEN 113	370853	MinQuest Inc.	Active	NW ¼ NE ¼ 7 23 16
VEN 114	n/a	MinQuest Inc.	n/a	staked but not yet filed
VEN 115	376882	MinQuest Inc.	Active	NW ¼ NE ¼ 7 23 16
VEN 116	376883	MinQuest Inc.	Active	NE ¼ 7 23 16
VEN 117	376884	MinQuest Inc.	Active	NW ¼ NE ¼ SW ¼ SE ¼ 7 23 16
VEN 118	376885	MinQuest Inc.	Active	NE ¼ SE ¼ 7 23 16
VEN 119	376886	MinQuest Inc.	Active	SW ¼ SE ¼ 7 23 16
VEN 12	370797	MinQuest Inc.	Active	NW ¼ NE ¼ 1 23 15
VEN 120	376887	MinQuest Inc.	Active	SE ¼ 7 23 16
VEN 121	376888	MinQuest Inc.	Active	SW ¼ SE ¼ 7 23 16
VEN 122	376889	MinQuest Inc.	Active	SE ¼ 7 23 16
VEN 123	376890	MinQuest Inc.	Active	SW ¼ SE ¼ 7 23 16
VEN 124	370191	MinQuest Inc.	Active	SE ¼ 31 SW ¼ 32 22 16
VEN 125	370192	MinQuest Inc.	Active	SE ¼ 31 SW ¼ 32 22 16 NE ¼ 6 NW ¼ 5 23 16
VEN 126	370193	MinQuest Inc.	Active	NE ¼ 6 NW ¼ 5 23 16
VEN 127	370194	MinQuest Inc.	Active	NE ¼ 6 NW ¼ 5 23 16
VEN 128	370195	MinQuest Inc.	Active	NE ¼ 6 NW ¼ 5 23 16
VEN 129	n/a	MinQuest Inc.	n/a	staked but not yet filed
VEN 13	370798	MinQuest Inc.	Active	NW ¼ NE ¼ 1 23 15
VEN 130	370854	MinQuest Inc.	Active	NW ¼ 5 23 16
VEN 131	370196	MinQuest Inc.	Active	NE ¼ 6 NW ¼ 5 23 16
VEN 131a	371459	MinQuest Inc.	Active	NE ¼ SE ¼ 6 NW ¼ SW ¼ 5 23 16
VEN 132	370855	MinQuest Inc.	Active	NW ¼ 5 23 16
VEN 133	371460	MinQuest Inc.	Active	SE ¼ 6 SW ¼ 5 23 16
VEN 134	370856	MinQuest Inc.	Active	NW ¼ 5 23 16
VEN 135	370197	MinQuest Inc.	Active	SE ¼ 6 SW ¼ 5 23 16
VEN 137	370857	MinQuest Inc.	Active	SE ¼ 6 SW ¼ 5 23 16
VEN 139	n/a	MinQuest Inc.	n/a	staked but not yet filed
VEN 14	370799	MinQuest Inc.	Active	31 22 16 01 23 15
VEN 146	376891	MinQuest Inc.	Active	SE ¼ 7 23 16
VEN 147	376892	MinQuest Inc.	Active	SW ¼ SE ¼ 7 NW ¼ NE ¼ 17 23 16
VEN 148	376893	MinQuest Inc.	Active	SE ¼ 7 NE ¼ 17 23 16
VEN 149	376894	MinQuest Inc.	Active	NW ¼ NE ¼ 17 23 16
VEN 15	370800	MinQuest Inc.	Active	NE ¼ 1 23 15 NE ¼ 6 23 16
VEN 150	376895	MinQuest Inc.	Active	NE ¼ 17 23 16
VEN 151	376896	MinQuest Inc.	Active	NE ¼ 7 NW ¼ 8 23 16
VEN 152	376897	MinQuest Inc.	Active	NW ¼ 8 23 16
VEN 153	376898	MinQuest Inc.	Active	NE ¼ SE ¼ 7 NW ¼ SW ¼ 8 23 16
VEN 154	413406	MinQuest Inc.	Active	NW & SW ¼ 05 23 16
VEN 155	376900	MinQuest Inc.	Active	SE ¼ 7 SW ¼ 8 23 16
VEN 156	413407	MinQuest Inc.	Active	SW ¼ 08 23 16
VEN 157	376902	MinQuest Inc.	Active	SE ¼ 7 SW ¼ 8 23 16
VEN 158	413408	MinQuest Inc.	Active	SW ¼ 08 23 16
VEN 159	376904	MinQuest Inc.	Active	SE ¼ 7 SW ¼ 8 23 16
VEN 16	370801	MinQuest Inc.	Active	SE ¼ SW ¼ 01 23 15
VEN 160	413409	MinQuest Inc.	Active	SW ¼ 08 23 16
VEN 161	376906	MinQuest Inc.	Active	SE ¼ 7 SW ¼ 8 NW ¼ 17 NE ¼ 18 23 16
VEN 162	413410	MinQuest Inc.	Active	SW ¼ 08 NW ¼ 17 23 16
VEN 163	376908	MinQuest Inc.	Active	NW ¼ 17 NE ¼ 18 23 16
VEN 164	413411	MinQuest Inc.	Active	NW ¼ 17 23 16
VEN 165	413412	MinQuest Inc.	Active	NW ¼ 17 NE ¼ 18 23 16
VEN 166	413413	MinQuest Inc.	Active	NW ¼ 17 23 16
VEN 167	410057	MinQuest Inc.	Active	NW ¼ NE ¼ 5 23 16
VEN 167a	376912	MinQuest Inc.	Active	NW ¼ 17 NE ¼ 18 23 16
VEN 168	410058	MinQuest Inc.	Active	NW ¼ NE ¼ 5 23 16
VEN 168a	376913	MinQuest Inc.	Active	NW ¼ 17 23 16
VEN 169	410059	MinQuest Inc.	Active	NW ¼ NE ¼ SW1/4 SE ¼ 05 23 16
VEN 169a	376914	MinQuest Inc.	Active	NW ¼ 17 NE ¼ 18 23 16
VEN 17	370802	MinQuest Inc.	Active	NE ¼ 21 23 15 NW ¼ 06 23 16
VEN 170	413414	MinQuest Inc.	Active	NW ¼ 17 23 16
VEN 177	372246	MinQuest Inc.	Active	SW ¼ 01 23 15

Claim Name	AMC No.	Claimant's Name	Status	Location
VEN 178	372247	MinQuest Inc.	Active	SW ¼ 01 23 15
VEN 179	372248	MinQuest Inc.	Active	SW ¼ 01 23 15
VEN 18	370803	MinQuest Inc.	Active	SW ¼ SE ¼ 1 23 15
VEN 180	370861	MinQuest Inc.	Active	SE ¼ 35 SW ¼ 36 22 15 NW ¼ 1 NE ¼ 2 23 15
VEN 181	370862	MinQuest Inc.	Active	SE ¼ 35 SW ¼ 36 22 15 NW ¼ 1 NE ¼ 2 23 15
VEN 182	370863	MinQuest Inc.	Active	NW ¼ 1 NE ¼ 2 23 15
VEN 183	372249	MinQuest Inc.	Active	NW ¼ 1 NE ¼ 2 23 15
VEN 185	372251	MinQuest Inc.	Active	NW ¼ SW ¼ 1 23 15
VEN 186	415700	MinQuest Inc.	Active	NW ¼ SW ¼ 1 23 15
VEN 187	415701	MinQuest Inc.	Active	NW ¼ SW ¼ 1 23 15
VEN 20	370804	MinQuest Inc.	Active	SW ¼ SE ¼ 1 23 15
VEN 22	370805	MinQuest Inc.	Active	SW ¼ SE ¼ 1 23 15
VEN 226	410051	MinQuest Inc.	Active	NE ¼ 35 22 15
VEN 228	410052	MinQuest Inc.	Active	NE ¼ 35 22 15
VEN 23	372234	MinQuest Inc.	Active	SW ¼ 1 23 15
VEN 230	410053	MinQuest Inc.	Active	NE ¼ 35 22 15
VEN 232	410054	MinQuest Inc.	Active	NE ¼ SE ¼ 35 22 15
VEN 234	410055	MinQuest Inc.	Active	SE ¼ 35 22 15
VEN 236	372257	MinQuest Inc.	Active	SW ¼ 35 22 15
VEN 238	372258	MinQuest Inc.	Active	SW ¼ 35 22 15
VEN 24	372235	MinQuest Inc.	Active	SW ¼ SE ¼ 1 23 15
VEN 240	372259	MinQuest Inc.	Active	SW ¼ 35 22 15 NE ¼ 2 23 15
VEN 242	372260	MinQuest Inc.	Active	SW ¼ 35 22 15 NE ¼ 2 23 15
VEN 244	372261	MinQuest Inc.	Active	NE ¼ 2 23 15
VEN 254	372262	MinQuest Inc.	Active	NE ¼ 2 23 15
VEN 26	372237	MinQuest Inc.	Active	SW ¼ SE ¼ 1 23 15
VEN 28	413398	MinQuest Inc.	Active	SE ¼ SW ¼ 1 NE ¼ NW ¼ 12 23 15
VEN 3	370790	MinQuest Inc.	Active	SW ¼ 36 22 15 NW ¼ 01 23 15
VEN 30	413399	MinQuest Inc.	Active	NE ¼ NW ¼ 12 23 15
VEN 32	413400	MinQuest Inc.	Active	NE ¼ NW ¼ 12 23 15
VEN 34	413401	MinQuest Inc.	Active	NE ¼ NW ¼ 12 23 15
VEN 36	413402	MinQuest Inc.	Active	NE ¼ NW ¼ SE ¼ SW ¼ 12 23 15
VEN 38	413403	MinQuest Inc.	Active	SE ¼ SW ¼ 12 23 15
VEN 40	413404	MinQuest Inc.	Active	SE ¼ SW ¼ 12 23 15
VEN 42	413405	MinQuest Inc.	Active	SE ¼ SW ¼ 12 23 15
VEN 43	370174	MinQuest Inc.	Active	SW 1/431 22 16
VEN 44	370175	MinQuest Inc.	Active	SW ¼ 31 22 16 NW ¼ 06 23 16
VEN 45	370176	MinQuest Inc.	Active	NW ¼ 6 23 16
VEN 46	376879	MinQuest Inc.	Active	NE ¼ 01 23 15 NW ¼ 06 23 16
VEN 47	376880	MinQuest Inc.	Active	NE ¼ 01 23 15 NW ¼ 06 23 16
VEN 48	370177	MinQuest Inc.	Active	NW ¼ 06 23 16
VEN 5	370791	MinQuest Inc.	Active	NW ¼ 1 23 15
VEN 50	370178	MinQuest Inc.	Active	NW ¼ 06 23 16
VEN 500	372263	MinQuest Inc.	Active	SE ¼ 35 SW ¼ 36 22 15
VEN 501	410056	MinQuest Inc.	Active	NE ¼ SE ¼ 35 22 15 NW ¼ SW ¼ 36 22 15
VEN 502	372265	MinQuest Inc.	Active	SW ¼ 36 22 15
VEN 503	372266	MinQuest Inc.	Active	NW ¼ SW ¼ 36 22 15
VEN 504	372267	MinQuest Inc.	Active	SW ¼ 36 22 15
VEN 505	372268	MinQuest Inc.	Active	NW ¼ SW ¼ 36 22 15
VEN 506	372269	MinQuest Inc.	Active	LOT 9, 10 SW ¼ 36 22 15
VEN 507	372270	MinQuest Inc.	Active	LOT 5, 9 NW ¼ SW ¼ 36 22 15
VEN 508	372271	MinQuest Inc.	Active	LOT 9, 10 SW ¼ 36 22 15
VEN 509	372272	MinQuest Inc.	Active	LOT 5, 9 NW ¼ SW ¼ 36 22 15
VEN 51	370806	MinQuest Inc.	Active	NE ¼ 01 23 15 NW ¼ 06 23 16
VEN 510	372273	MinQuest Inc.	Active	SW ¼ SE ¼ 36 22 15
VEN 511	372274	MinQuest Inc.	Active	LOT 10, 11 SW ¼ SE ¼ 36 22 15 NW ¼ NE ¼ 1 23 15
VEN 512	372275	MinQuest Inc.	Active	LOT 5, 6, NW ¼ NE ¼ 36 22 15
VEN 513	372276	MinQuest Inc.	Active	LOT 1, 2, 3, 5, 6 NW ¼ NE ¼ 36 22 15
VEN 514	372277	MinQuest Inc.	Active	LOT 1, 2, 3, NW ¼ NE ¼ 36 22 15
VEN 515	372278	MinQuest Inc.	Active	LOT 3, 4, 5 NW ¼ 36 22 15
VEN 516	413415	MinQuest Inc.	Active	NE ¼ 35 NW ¼ LOT 3, 4 36 22 15
VEN 517	372280	MinQuest Inc.	Active	LOT 3, 4 NW ¼ 05 23 16
VEN 518	413416	MinQuest Inc.	Active	NE ¼ 35 NW ¼ LOT 4 36 22 15
VEN 52	370807	MinQuest Inc.	Active	NW ¼ 06 23 16
VEN 53	370808	MinQuest Inc.	Active	NE ¼ 01 23 15 NW ¼ 06 23 16
VEN 530	376916	MinQuest Inc.	Active	SW ¼ 05 23 16
VEN 533	376918	MinQuest Inc.	Active	SW ¼ 05 23 16

Claim Name	AMC No.	Claimant's Name	Status	Location
VEN 535	376920	MinQuest Inc.	Active	SW ¼ 05 23 16
VEN 537	413417	MinQuest Inc.	Active	SW ¼ 05 23 16
VEN 538	376923	MinQuest Inc.	Active	SE ¼ 6 SW ¼ 5 23 16
VEN 539	413418	MinQuest Inc.	Active	SW ¼ 05 23 16
VEN 54	370809	MinQuest Inc.	Active	NW ¼ 06 23 16
VEN 540	376925	MinQuest Inc.	Active	SE ¼ 6 SW ¼ 5 23 16
VEN 541	413419	MinQuest Inc.	Active	SW ¼ 05 23 16
VEN 542	376927	MinQuest Inc.	Active	05 23 16 06 23 16 07 23 16 08 23 16
VEN 543	413420	MinQuest Inc.	Active	SW ¼ 5 NW ¼ 08 23 16
VEN 544	376929	MinQuest Inc.	Active	07 23 16 08 23 16
VEN 545	413421	MinQuest Inc.	Active	NW ¼ 08 23 16
VEN 547	376932	MinQuest Inc.	Active	NE ¼ 07 23 16
VEN 548	413422	MinQuest Inc.	Active	NE ¼ 07 NW ¼ 08 23 16
VEN 549	413423	MinQuest Inc.	Active	NW ¼ 05 23 16
VEN 55	370810	MinQuest Inc.	Active	NE ¼ 01 23 15 NW ¼ 06 23 16
VEN 551	376935	MinQuest Inc.	Active	SE ¼ 02 23 15
VEN 552	376936	MinQuest Inc.	Active	SE ¼ 02 23 15
VEN 553	376937	MinQuest Inc.	Active	SE ¼ 02 23 15
VEN 554	376938	MinQuest Inc.	Active	SE ¼ 02 23 15
VEN 556	413424	MinQuest Inc.	Active	SW ¼ 1 23 15
VEN 557	413425	MinQuest Inc.	Active	SW ¼ 1 SE ¼ 23 15
VEN 558	376942	MinQuest Inc.	Active	SE ¼ 1 SW ¼ 2 23 15
VEN 558A	413426	MinQuest Inc.	Active	SW ¼ 1 SE ¼ 2 23 15
VEN 559	413427	MinQuest Inc.	Active	SW ¼ 1 SE ¼ 02 23 15
VEN 56	370811	MinQuest Inc.	Active	SW ¼ NW ¼ 06 23 16
VEN 560	413428	MinQuest Inc.	Active	SW ¼ 1 NW ¼ 12 23 15
VEN 561	413429	MinQuest Inc.	Active	SW ¼ 1 SE ¼ 2 NE1/4 11NW ¼ 12 23 15
VEN 562	413430	MinQuest Inc.	Active	NW ¼ 12 23 15
VEN 563	413431	MinQuest Inc.	Active	NE ¼ 11 NW ¼ 12 23 15
VEN 564	413432	MinQuest Inc.	Active	NW ¼ 12 23 15
VEN 565	413433	MinQuest Inc.	Active	NE ¼ 11 NW ¼ 12 23 15
VEN 566	413434	MinQuest Inc.	Active	NW 1/412 23 15
VEN 567	413435	MinQuest Inc.	Active	NE ¼ 11 NW ¼ 12 23 15
VEN 568	413436	MinQuest Inc.	Active	NW ¼ SW ¼ 12 23 15
VEN 569	413437	MinQuest Inc.	Active	NE ¼ SE ¼ 11 NW ¼ SW ¼ 12 23 15
VEN 57	370812	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 571	376955	MinQuest Inc.	Active	NW ¼ 31 22 16
VEN 572	376956	MinQuest Inc.	Active	NW ¼ NE ¼ 31 22 16
VEN 573	376957	MinQuest Inc.	Active	NW ¼ 31 22 16
VEN 574	376958	MinQuest Inc.	Active	NW ¼ NE ¼ 31 22 16
VEN 575	376959	MinQuest Inc.	Active	NW ¼ 31 22 16
VEN 576	376960	MinQuest Inc.	Active	NW ¼ NE ¼ SW ¼ SE ¼ 31 22 16
VEN 577	376961	MinQuest Inc.	Active	NW ¼ SW ¼ 31 22 16
VEN 578	376962	MinQuest Inc.	Active	31 22 16
VEN 579	376963	MinQuest Inc.	Active	SW ¼ 31 22 16
VEN 58	370813	MinQuest Inc.	Active	SW ¼ NW ¼ 06 23 16
VEN 580	376964	MinQuest Inc.	Active	SW ¼ SE ¼ 31 22 16
VEN 581	376965	MinQuest Inc.	Active	SW ¼ 31 22 16
VEN 582	376966	MinQuest Inc.	Active	SW ¼ SE ¼ 31 22 16
VEN 583	376967	MinQuest Inc.	Active	NE ¼ SE ¼ 36 22 15 NW ¼ SW ¼ 31 22 16
VEN 584	376968	MinQuest Inc.	Active	LOT 1 NE ¼ 36 22 15 NW ¼ 31 22 16
VEN 59	370814	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 6	370792	MinQuest Inc.	Active	NW ¼ NE ¼ 1 23 15
VEN 60	370815	MinQuest Inc.	Active	SW ¼ 06 23 16
VEN 61	370816	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 62	370817	MinQuest Inc.	Active	SW ¼ 06 23 16
VEN 63	370818	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 64	370819	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 65	370820	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 66	370821	MinQuest Inc.	Active	SE ¼ 01 23 15 SW ¼ 06 23 16
VEN 67	370822	MinQuest Inc.	Active	SE ¼ 01 NE ¼ 12 23 15 SW ¼ 06 NW ¼ 7 23 16
VEN 68	370823	MinQuest Inc.	Active	SE ¼ 01 NE ¼ 12 23 15 SW ¼ 06 NW ¼ 7 23 16
VEN 69	370824	MinQuest Inc.	Active	NE ¼ 12 23 15
VEN 7	370793	MinQuest Inc.	Active	NW ¼ 1 23 15
VEN 70	370825	MinQuest Inc.	Active	NE ¼ 12 23 15 NW ¼ 7 23 16
VEN 71	370826	MinQuest Inc.	Active	NE ¼ 12 23 15
VEN 72	370827	MinQuest Inc.	Active	NE ¼ 12 23 15 NW ¼ 7 23 16

Claim Name	AMC No.	Claimant's Name	Status	Location
VEN 73	370828	MinQuest Inc.	Active	NE ¼ 12 23 15
VEN 74	370829	MinQuest Inc.	Active	NE ¼ 12 23 15 NW ¼ 7 23 16
VEN 75	370830	MinQuest Inc.	Active	NE ¼ SE ¼ 12 23 15 NW ¼ SW ¼ 7 23 16
VEN 76	370831	MinQuest Inc.	Active	NE ¼ SE ¼ 12 23 15 NW ¼ SW ¼ 7 23 16
VEN 77	370832	MinQuest Inc.	Active	SE ¼ 12 23 15 SW ¼ 7 23 16
VEN 78	370833	MinQuest Inc.	Active	SE ¼ 12 23 15 SW ¼ 7 23 16
VEN 79	370834	MinQuest Inc.	Active	SE ¼ 12 23 15 SW ¼ 7 23 16
VEN 8	370794	MinQuest Inc.	Active	NW ¼ NE ¼ 1 23 15
VEN 80	370835	MinQuest Inc.	Active	SE ¼ 12 23 15 SW ¼ 7 23 16
VEN 81	370836	MinQuest Inc.	Active	SE ¼ 12 23 15 SW ¼ 7 23 16
VEN 82	370837	MinQuest Inc.	Active	SE ¼ 12 23 15 SW ¼ 7 23 16
VEN 83	370179	MinQuest Inc.	Active	SW ¼ SE ¼ 31 22 16
VEN 84	370180	MinQuest Inc.	Active	SE 1/431 22 16
VEN 85	370181	MinQuest Inc.	Active	SW ¼ SE ¼ 31 22 16 NW ¼ NE ¼ 6 23 15
VEN 86	370182	MinQuest Inc.	Active	SE ¼ 31 22 16 NE ¼ 6 23 15
VEN 87	370183	MinQuest Inc.	Active	NW ¼ NE ¼ 31 23 16
VEN 88	370184	MinQuest Inc.	Active	NE ¼ 6 23 16
VEN 89	370185	MinQuest Inc.	Active	NW ¼ NE ¼ 31 23 16
VEN 9	370795	MinQuest Inc.	Active	NW ¼ 1 23 15
VEN 90	370186	MinQuest Inc.	Active	NE ¼ 6 23 16
VEN 91	370187	MinQuest Inc.	Active	NW ¼ NE ¼ 31 23 16
VEN 92	370188	MinQuest Inc.	Active	NE ¼ 6 23 16
VEN 93	370838	MinQuest Inc.	Active	NW ¼ NE ¼ 31 23 16
VEN 94	371457	MinQuest Inc.	Active	NE ¼ 31 23 16
VEN 95A	376881	MinQuest Inc.	Active	NW ¼ 05 23 16 NE ¼ 06 23 16
VEN 96	370189	MinQuest Inc.	Active	NE ¼ 6 23 16
VEN 96a	371456	MinQuest Inc.	Active	NE ¼ SE ¼ 6 23 16
VEN 97	370840	MinQuest Inc.	Active	NE ¼ SE ¼ NW ¼ SW ¼ 6 23 16
VEN 98	371458	MinQuest Inc.	Active	SE ¼ 6 23 16
VEN 99	370841	MinQuest Inc.	Active	SW ¼ SE ¼ 6 23 16

Appendix 2

Detailed Core Sampling and Re-Sampling Data

Appendix 2a – DDH BB-2, 3, 4 6, TM-13, 14 and TCH-2A

Appendix 2b – DDH TCH-2 (part 1)

Appendix 2b – DDH TCH-2 (part 2)

Appendix 2d – DDH TCH-2A (part 2)

Appendix 2e – DDH TM-13 (part 2)

Drill Hole	FROM	TO	INTERVAL	SAMPLE	CORE	Au	CuT	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K
	(ft)	(ft)	(ft)			ppb	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
						5	**0.01**	**0.2**	**0.01**	**5**	**10**	**0.5**	**5**	**0.01**	**1**	**1**	**1**	**1**	**0.01**	**1**	**0.01**
TM-14	540	550	10	53951	full	23	< 0.01	1.4	0.26	25	20	< 0.5	< 5	0.03	3	12	222	94	2.69	< 1	0.12
TM-14	550	559	9	53952	half	10	< 0.01	0.6	0.36	10	20	< 0.5	< 5	0.03	2	6	277	83	1.1	< 1	0.09
TM-14	559	569	10	53953	full	28	0.05	3.4	0.41	200	50	< 0.5	< 5	0.02	9	24	92	471	3.76	< 1	0.23
TM-14	569	578	9	53954	full	17	< 0.01	0.8	0.38	80	50	< 0.5	< 5	0.02	5	23	105	107	3.54	< 1	0.21
TM-14	578	590	12	53955	full	20	0.03	1.6	0.35	145	40	< 0.5	< 5	0.02	10	23	103	344	4.08	< 1	0.18
TM-14	590	600	10	53956	half	20	< 0.01	0.6	0.32	25	30	< 0.5	< 5	0.01	5	33	159	72	4.62	< 1	0.09
TM-14	600	607	7	53957	full	36	< 0.01	0.8	0.3	15	10	< 0.5	< 5	0.03	4	37	206	37	4.64	< 1	0.02
TM-14	607	617	10	53958	full	11	< 0.01	0.6	0.29	5	20	< 0.5	< 5	0.02	2	23	248	40	4.09	< 1	0.02
TM-14	617	627	10	53959	full	26	< 0.01	0.6	0.34	10	< 10	< 0.5	< 5	0.02	3	35	226	32	4.96	< 1	0.02
TM-14	627	637	13	53960	full	24	< 0.01	0.2	0.31	5	20	< 0.5	< 5	0.02	1	29	233	33	4.09	< 1	0.03
TM-14	637	647	10	53961	half	38	< 0.01	0.4	0.35	15	< 10	< 0.5	< 5	0.01	1	36	135	41	4.66	< 1	0.03
TM-14	647	657	10	53962	half	17	< 0.01	0.4	0.47	10	< 10	< 0.5	< 5	0.04	1	11	227	51	2.65	< 1	0.02
TM-14	657	667	10	53963	full	15	< 0.01	0.4	0.44	5	10	< 0.5	< 5	0.03	< 1	9	253	41	2.53	< 1	0.02
TM-14	667	677	10	53964	full	17	< 0.01	0.2	0.56	< 5	20	< 0.5	< 5	0.02	< 1	3	250	30	1.04	< 1	0.03
TM-14	1850	1860	10	53966	half	10	0.04	1.4	0.32	70	70	< 0.5	5	0.02	6	10	220	440	2.51	< 1	0.18
TM-14	1860	1870	10	53967	half	13	0.04	1	0.33	85	50	< 0.5	5	0.02	1	11	234	439	3	< 1	0.19
TM-14	1870	1880	10	53968	half	5	0.01	0.4	0.3	35	20	< 0.5	< 5	0.02	< 1	11	251	143	4.57	< 1	0.16
TM-14	1880	1890	10	53969	half	9	< 0.01	0.2	0.3	15	30	< 0.5	< 5	0.02	< 1	10	257	74	3.21	< 1	0.15
TM-14	1890	1900	10	53970	half	13	< 0.01	< 0.2	0.25	20	10	< 0.5	< 5	0.02	1	12	241	77	5.64	< 1	0.14
TM-14	1900	1910	10	53971	full	< 5	< 0.01	0.2	0.31	5	10	< 0.5	5	0.02	< 1	7	241	45	3.47	< 1	0.14
TM-14	1910	1919	9	53972	full	25	0.01	0.4	0.28	40	< 10	< 0.5	10	0.02	2	16	350	143	11.63	< 1	0.15
TM-14	1919	1929	10	53973	full	9	< 0.01	0.4	0.34	15	40	< 0.5	< 5	0.02	< 1	13	276	59	5.14	< 1	0.17
TM-14	1929	1940	11	53974	full	27	< 0.01	0.4	0.3	25	10	< 0.5	< 5	0.02	1	19	307	76	6.04	< 1	0.16
TM-14	1940	1950	10	53975	half	10	< 0.01	6.6	0.32	10	20	< 0.5	< 5	0.02	< 1	12	264	48	3.36	1	0.19
TM-14	1950	1960	10	53976	full	83	0.02	0.8	0.27	110	20	< 0.5	5	0.01	1	19	340	262	7.93	< 1	0.13
TM-14	1960	1970	10	53977	full	18	0.05	0.4	0.26	20	20	< 0.5	< 5	0.01	2	17	280	525	4.05	< 1	0.13
TM-14	1970	1980	10	53978	full	21	< 0.01	0.2	0.14	40	20	< 0.5	< 5	0.01	1	14	432	65	7.33	< 1	0.04
TM-14	1980	1990	10	53979	full	16	< 0.01	< 0.2	0.19	30	30	< 0.5	< 5	0.01	1	9	434	38	4.86	< 1	0.07
TM-14	1990	2000	10	53980	half	10	< 0.01	< 0.2	0.32	15	20	< 0.5	< 5	0.01	< 1	5	196	19	3.03	< 1	0.18
TM-14	2000	2020	20	53981	full	21	< 0.01	0.2	0.25	40	30	< 0.5	5	0.01	2	12	367	56	7.47	< 1	0.13
TM-14	2020	2030	10	53982	full	14	< 0.01	0.2	0.22	30	20	< 0.5	< 5	0.01	1	14	342	54	6.6	< 1	0.12
TM-14	2030	2040	10	53983	full	5	0.01	0.2	0.28	15	20	< 0.5	< 5	0.02	< 1	11	278	137	3	< 1	0.16
TM-14	2040	2050	10	53984	half	< 5	0.01	0.4	0.29	10	20	< 0.5	< 5	0.02	< 1	11	293	136	2.72	< 1	0.16
TM-14	2050	2060	10	53985	full	< 5	0.01	2.2	0.25	10	20	< 0.5	< 5	0.01	< 1	10	317	129	2.78	< 1	0.14
TM-14	2060	2070	10	53986	full	7	0.01	0.6	0.28	10	30	< 0.5	< 5	0.02	< 1	11	224	170	2.79	< 1	0.17
TM-14	2240	2250	10	53988	half	38	0.02	2.6	0.34	35	30	< 0.5	5	0.01	1	17	230	276	5.51	< 1	0.2
TM-14	2250	2260	10	53989	half	28	0.06	3	0.29	90	30	< 0.5	15	0.01	8	18	212	696	5.7	< 1	0.18
TM-14	2260	2270	10	53990	full	9	0.04	1	0.33	70	40	< 0.5	5	0.01	1	12	202	445	2.85	< 1	0.19
TM-14	2270	2280	10	53991	full	10	0.08	1	0.31	65	90	< 0.5	5	0.01	1	9	185	802	2	< 1	0.18
TM-14	2280	2290	10	53992	full	9	0.04	1.2	0.32	20	80	< 0.5	10	0.01	< 1	6	195	438	2.26	< 1	0.19
TM-14	2290	2300	10	53993	half	6	0.08	1.8	0.31	105	80	< 0.5	5	0.02	1	6	171	811	1.99	< 1	0.19
TM-14	2460	2470	10	53995	full	7	0.03	0.4	0.31	35	60	< 0.5	< 5	0.01	< 1	6	157	254	2.55	< 1	0.19
TM-14	2470	2480	10	53996	full	8	< 0.01	< 0.2	0.31	10	70	< 0.5	< 5	0.01	< 1	7	149	55	2.24	< 1	0.18
TM-14	2480	2490	10	53997	full	12	0.04	0.6	0.36	55	60	< 0.5	< 5	0.01	< 1	11	190	464	3.43	< 1	0.22
TM-14	2490	2500	10	53998	half	8	0.03	0.4	0.32	85	30	< 0.5	< 5	0.02	1	10	165	266	3.77	< 1	0.2
TM-14	2500	2510	10	53999	full	9	0.02	0.4	0.34	40	50	< 0.5	< 5	0.02	1	9	189	250	3.72	< 1	0.21
TM-14	2510	2520	10	54000	full	10	0.02	0.4	0.36	30	40	< 0.5	< 5	0.02	< 1	14	157	218	4.13	< 1	0.2
TM-14	2520	2530	10	54001	full	17	0.06	2	0.37	95	30	< 0.5	< 5	0.01	2	14	196	681	5.24	< 1	0.22
TM-14	2530	2540	10	54002	full	9	0.04	0.6	0.35	125	40	< 0.5	< 5	0.02	1	15	156	431	4.36	< 1	0.21

Drill Hole	FROM	TO	INTERVAL	SAMPLE	CORE	Au	CuT	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K
	(ft)	(ft)	(ft)			ppb	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
						5	0.01	0.2	0.01	5	10	0.5	5	0.01	1	1	1	1	0.01	1	0.01
TM-14	2540	2550	10	54003	full	< 5	0.01	< 0.2	0.39	35	40	< 0.5	< 5	0.02	< 1	17	186	151	4.49	< 1	0.24
TM-14	2550	2560	10	54004	full	9	0.04	0.6	0.34	130	20	< 0.5	< 5	0.02	< 1	18	178	418	5.14	< 1	0.21
TM-14	2560	2570	10	54005	full	6	0.01	0.2	0.35	35	30	< 0.5	< 5	0.02	< 1	14	172	146	3.07	< 1	0.22
TM-14	2570	2580	10	54006	full	32	0.11	1.6	0.36	490	30	< 0.5	5	0.02	2	26	167	1246	6.54	< 1	0.21
TM-14	2580	2590	10	54007	full	24	0.02	0.8	0.38	160	30	< 0.5	10	0.02	2	31	190	255	7.4	< 1	0.23
TM-14	2590	2599	9	54008	half	< 5	0.05	0.6	0.36	130	40	< 0.5	< 5	0.02	< 1	15	167	511	3.2	< 1	0.2
TM-14	3090	3100	10	54010	half	21	0.06	2.4	0.3	15	30	< 0.5	10	0.02	1	13	246	595	5.74	< 1	0.16
TM-14	3100	3110	10	54011	half	24	0.07	1.8	0.29	10	60	< 0.5	< 5	0.02	< 1	12	188	737	2.91	< 1	0.18
TM-14	3110	3120	10	54012	half	17	0.05	3	0.31	25	80	< 0.5	5	0.03	3	13	242	547	3.46	< 1	0.19
TM-14	3120	3130	10	54013	full	23	0.04	1.6	0.36	55	90	< 0.5	< 5	0.03	1	11	179	455	3.23	< 1	0.19
TM-14	3130	3140	10	54014	full	< 5	0.03	1	0.33	10	60	< 0.5	< 5	0.03	1	13	185	348	2.57	< 1	0.17
TM-14	3140	3150	10	54015	full	5	0.03	0.8	0.35	50	80	< 0.5	< 5	0.03	2	14	177	309	2.74	< 1	0.16
TM-14	3150	3160	10	54016	full	9	0.11	1.4	0.38	50	70	< 0.5	< 5	0.03	< 1	13	202	1114	2.74	< 1	0.19
TM-14	3160	3170	10	54017	half	11	0.22	2	0.33	55	70	< 0.5	10	0.03	2	11	171	2182	2.61	< 1	0.17
TM-14	3170	3180	10	54018	half	7	0.07	1	0.35	15	80	< 0.5	< 5	0.03	< 1	12	196	783	2.92	< 1	0.2
TM-14	3180	3190	10	54019	full	13	0.09	1.4	0.3	35	30	< 0.5	5	0.03	< 1	15	169	956	4.82	< 1	0.18
TM-14	4400	4410	10	54021	half	14	0.04	1	0.33	25	50	< 0.5	15	0.09	< 1	13	213	435	4.08	< 1	0.21
TM-14	4410	4419	9	54022	full	7	0.21	3.8	0.39	35	50	< 0.5	40	0.15	2	11	197	2228	3.1	< 1	0.23
TM-14	4419	4429	10	54023	full	< 5	0.08	1	0.33	25	30	< 0.5	15	0.11	< 1	12	224	825	4.01	< 1	0.21
TM-14	4429	4439	10	54024	full	6	0.07	0.6	0.32	25	50	< 0.5	10	0.09	< 1	8	161	673	3.45	< 1	0.21
TM-14	4439	4449	10	54025	full	5	0.16	2.6	0.37	85	40	< 0.5	35	0.14	2	12	225	1675	4.3	< 1	0.22
TM-14	4449	4459	10	54026	full	< 5	0.11	2.6	0.39	95	60	< 0.5	25	0.13	4	9	142	1085	2.98	< 1	0.15
TM-14	4459	4469	10	54027	full	7	0.2	5.8	0.41	250	40	< 0.5	30	0.11	6	12	185	2114	3.41	< 1	0.17
TM-14	4469	4479	10	54028	full	< 5	0.14	2.8	0.42	95	60	< 0.5	20	0.14	2	12	166	1544	3.17	< 1	0.16
TM-14	4479	4489	10	54029	full	9	0.16	3.2	0.39	50	30	< 0.5	25	0.18	3	12	199	1644	3.3	< 1	0.21
TM-14	4489	4500	11	54030	full	10	0.11	1.8	0.36	40	60	< 0.5	15	0.13	< 1	10	180	1081	3.22	< 1	0.2
TM-14	4500	4510	10	54031	full	< 5	0.11	1.8	0.4	65	40	< 0.5	10	0.1	2	10	158	1139	3.86	< 1	0.16
TM-14	4510	4520	10	54032	full	< 5	0.05	1	0.51	55	60	< 0.5	10	0.09	< 1	10	113	534	2.98	< 1	0.1
TM-14	4520	4530	10	54033	full	10	0.09	1.6	0.48	90	30	< 0.5	15	0.13	1	19	187	981	6.09	< 1	0.15
TM-14	4530	4540	10	54034	full	< 5	0.04	0.6	0.39	25	50	< 0.5	< 5	0.1	2	14	166	424	3.79	< 1	0.19
TM-14	4540	4550	10	54035	full	< 5	0.09	1.8	0.56	45	60	< 0.5	10	0.2	< 1	13	164	983	3.55	< 1	0.14
TM-14	4550	4560	10	54036	half	7	0.08	1	0.41	35	60	< 0.5	5	0.13	< 1	14	155	887	3.64	< 1	0.21
TM-14	4560	4570	10	54037	full	< 5	0.07	3.2	0.51	40	50	< 0.5	10	0.19	1	14	177	746	3.7	< 1	0.17
TM-14	4570	4580	10	54038	half	< 5	0.13	1.6	0.38	55	40	< 0.5	10	0.17	1	14	202	1391	4.61	< 1	0.23
BB-2	40	50	10	54051	half	34	0.47	3.6	0.28	220	20	< 0.5	115	0.01	9	4	185	4922	3.48	< 1	0.19
BB-2	50	60	10	54052	half	49	0.48	6.8	0.29	505	50	< 0.5	330	0.01	7	4	161	4940	3.19	< 1	0.2
BB-2	60	70	10	54053	half	26	0.5	5	0.29	90	40	< 0.5	115	0.01	11	3	181	5311	2.81	< 1	0.21
BB-2	70	80	10	54054	half	45	0.66	4.4	0.32	100	40	< 0.5	100	0.01	2	3	172	7095	4.07	< 1	0.23
BB-2	80	90	10	54055	half	47	0.83	4.6	0.31	145	20	< 0.5	140	0.01	2	3	188	8551	3.45	< 1	0.23
BB-2	90	100	10	54056	half	38	0.45	3.2	0.28	90	50	< 0.5	55	0.01	8	4	152	4515	3.24	< 1	0.2
BB-2	100	110	10	54057	half	45	0.25	4	0.3	180	40	< 0.5	100	0.01	7	4	155	2513	3.27	< 1	0.21
BB-2	110	120	10	54058	half	35	0.14	4.4	0.28	120	40	< 0.5	195	0.01	6	5	166	1496	3.48	< 1	0.18
BB-2	120	130	10	54059	half	50	0.42	3.4	0.29	150	40	< 0.5	235	0.01	7	7	161	4328	3.68	< 1	0.2
BB-2	130	140	10	54060	half	92	0.28	4.4	0.28	470	30	< 0.5	395	0.01	9	5	139	2852	4.1	< 1	0.2
BB-3	14	20	6	54062	half	15	0.04	1.6	0.34	60	40	< 0.5	30	0.01	5	4	181	473	4.2	< 1	0.27
BB-3	20	30	10	54063	half	19	0.16	4.2	0.32	130	40	< 0.5	40	0.01	16	5	163	1655	3.46	< 1	0.24
BB-3	30	40	10	54064	half	15	0.26	4.8	0.33	145	40	< 0.5	60	0.01	4	5	176	2854	4.27	< 1	0.24
BB-3	40	50	10	54065	half	16	0.18	5	0.31	165	40	< 0.5	65	0.01	10	4	168	1879	3.37	< 1	0.23

Drill Hole	FROM	TO	INTERVAL	SAMPLE	CORE	Au	CuT	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K
	(ft)	(ft)	(ft)			ppb	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
						5	0.01	0.2	0.01	5	10	0.5	5	0.01	1	1	1	1	0.01	1	0.01
BB-3	50	60	10	54066	half	14	0.57	5.2	0.3	145	50	< 0.5	120	0.01	8	2	184	5992	2.9	< 1	0.22
BB-3	60	70	10	54067	half	14	0.18	4.8	0.33	60	60	< 0.5	50	0.01	9	4	162	2070	3.06	< 1	0.23
BB-3	70	80	10	54068	half	23	0.3	6.4	0.36	40	60	< 0.5	65	0.01	5	4	168	3248	2.62	< 1	0.24
BB-3	80	90	10	54069	half	29	0.39	6.2	0.32	40	60	< 0.5	40	0.01	5	4	151	4082	2.69	< 1	0.23
BB-3	600	610	10	54071	half	159	0.13	3.8	0.35	290	20	< 0.5	< 5	0.01	< 1	17	157	1443	3.13	< 1	0.15
BB-3	610	620	10	54072	half	24	0.35	2.2	0.39	130	50	< 0.5	5	0.01	10	66	142	3667	3.19	< 1	0.1
BB-3	620	630	10	54073	half	32	0.34	3.8	0.33	245	50	< 0.5	10	0.01	10	35	187	3674	3.27	< 1	0.16
BB-3	630	640	10	54074	half	149	0.59	5.8	0.38	415	30	< 0.5	10	0.01	< 1	8	152	6019	3.15	< 1	0.17
BB-3	640	650	10	54075	half	39	0.43	5.4	0.35	110	20	< 0.5	15	0.01	7	45	197	4653	3.42	< 1	0.2
BB-3	650	660	10	54076	half	27	0.29	4.6	0.38	280	20	< 0.5	< 5	0.01	5	68	170	3046	3.04	< 1	0.19
BB-3	660	670	10	54077	half	28	0.19	2.4	0.34	105	20	< 0.5	< 5	0.01	< 1	10	215	2088	2.19	< 1	0.18
BB-3	670	680	10	54078	half	28	0.31	1.6	0.43	30	30	< 0.5	10	0.01	< 1	8	260	3248	1.55	< 1	0.21
BB-3	680	690	10	54079	half	52	0.34	5.4	0.42	65	40	< 0.5	10	0.02	< 1	13	308	3694	1.83	< 1	0.21
BB-3	690	700	10	54080	half	32	0.28	1	0.47	50	30	< 0.5	< 5	0.02	< 1	11	281	3038	1.72	< 1	0.23
BB-3	700	710	10	54081	half	24	0.26	1	0.5	100	40	< 0.5	< 5	0.02	< 1	9	281	2934	1.28	< 1	0.24
BB-3	710	720	10	54082	half	29	0.27	1	0.43	70	30	< 0.5	< 5	0.01	< 1	8	246	2928	1.43	< 1	0.2
BB-4	12.5	20	7.5	54084	half	76	0.39	8.4	0.26	290	20	< 0.5	25	0.05	< 1	3	244	4055	2.51	2	0.15
BB-4	20	30	10	54085	half	49	0.76	6.6	0.23	1150	30	< 0.5	25	0.02	2	2	222	8166	2.38	< 1	0.14
BB-4	30	40	10	54086	half	37	0.34	2.6	0.28	330	20	< 0.5	10	0.02	1	3	243	3895	1.97	< 1	0.17
BB-4	40	50	10	54087	half	62	0.22	5.2	0.26	330	30	< 0.5	< 5	0.02	< 1	6	221	2570	2.53	< 1	0.16
BB-4	50	60	10	54088	half	40	0.62	6.4	0.29	855	40	< 0.5	20	0.02	3	5	199	6357	2.63	< 1	0.18
BB-4	60	70	10	54089	half	30	0.6	1.8	0.3	250	40	< 0.5	5	0.01	1	8	93	6084	2.39	< 1	0.18
BB-4	70	80	10	54090	half	53	0.21	1.2	0.28	320	30	< 0.5	< 5	0.02	< 1	10	171	2181	3.59	< 1	0.18
BB-4	80	90	10	54091	half	29	0.27	2.6	0.2	415	20	< 0.5	< 5	0.01	2	5	251	2980	1.73	< 1	0.12
BB-4	90	100	10	54092	half	35	0.67	3.8	0.21	825	40	< 0.5	20	0.02	3	2	253	7038	1.66	< 1	0.13
BB-4	100	110	10	54093	half	47	1.44	11.2	0.23	1055	40	< 0.5	30	0.02	7	2	225	> 10000	2.37	< 1	0.15
BB-4	110	120	10	54094	half	42	0.36	2.4	0.26	370	30	< 0.5	15	0.02	2	4	210	3778	2.95	< 1	0.16
BB-4	120	130	10	54095	half	36	0.12	1	0.25	80	30	< 0.5	5	0.02	< 1	7	242	1296	3.17	< 1	0.16
BB-4	130	140	10	54096	half	33	0.47	4.2	0.24	35	30	< 0.5	20	0.02	< 1	5	251	5199	3.01	< 1	0.15
BB-4	140	150	10	54097	half	32	0.41	2.2	0.25	240	30	< 0.5	15	0.02	1	6	234	4287	2.99	< 1	0.16
BB-4	150	160	10	54098	half	48	0.46	2.8	0.32	735	30	< 0.5	15	0.02	3	5	270	5031	2.93	< 1	0.21
BB-4	160	170	10	54099	half	51	0.23	1.8	0.26	460	20	< 0.5	10	0.02	2	5	232	2420	2.93	< 1	0.15
BB-4	170	180	10	54100	half	35	0.29	2.2	0.28	30	30	< 0.5	10	0.02	< 1	6	228	3290	3.05	< 1	0.17
BB-4	180	190	10	54101	half	31	0.3	0.6	0.25	20	20	< 0.5	5	0.02	< 1	4	205	3241	2.69	< 1	0.14
BB-4	190	200	10	54102	half	60	0.05	0.6	0.36	25	40	< 0.5	< 5	0.01	< 1	6	228	606	2.43	< 1	0.2
BB-6	20	30	10	54104	half	29	0.58	14	0.29	560	40	< 0.5	115	0.01	3	4	208	6245	3.99	< 1	0.21
BB-6	30	40	10	54105	half	14	0.21	2.8	0.36	140	50	< 0.5	70	0.01	7	4	203	2390	3.61	< 1	0.25
BB-6	40	50	10	54106	half	17	0.13	6.2	0.33	85	40	< 0.5	40	0.01	10	4	198	1531	3.86	< 1	0.24
BB-6	50	60	10	54107	half	21	0.46	5.4	0.3	100	40	< 0.5	95	0.01	2	5	205	4932	4.31	< 1	0.21
BB-6	60	70	10	54108	half	24	0.32	6.6	0.28	85	30	< 0.5	45	0.01	4	5	200	3453	4.21	< 1	0.19
BB-6	70	80	10	54109	half	7	0.26	7.6	0.3	360	40	< 0.5	65	0.01	2	4	204	2701	3.81	< 1	0.21
BB-6	80	90	10	54110	half	28	0.54	18	0.26	800	30	< 0.5	330	0.01	4	7	206	5567	4.54	< 1	0.18
BB-6	90	100	10	54111	half	18	0.17	10.2	0.31	565	40	< 0.5	115	0.01	6	11	218	1866	3.96	< 1	0.23
BB-6	100	110	10	54112	half	28	0.57	12	0.32	1800	30	< 0.5	150	0.01	8	13	179	5804	4.25	< 1	0.2
BB-6	110	120	10	54113	half	46	0.15	3	0.35	265	50	< 0.5	55	0.01	5	6	204	1461	3.58	< 1	0.19
BB-6	300	310	10	54115	half	36	0.39	3.8	0.28	965	30	< 0.5	25	0.02	2	16	193	3949	4.26	< 1	0.18
BB-6	310	320	10	54116	half	12	0.24	5.6	0.35	335	60	< 0.5	35	0.01	2	7	195	2556	3.27	< 1	0.23
BB-6	320	330	10	54117	half	20	0.38	3.8	0.33	860	50	< 0.5	45	0.01	5	25	185	3888	4.14	< 1	0.22

Drill Hole	FROM	TO	INTERVAL	SAMPLE	CORE	Au	CuT	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K
	(ft)	(ft)	(ft)			ppb	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%
						5	0.01	0.2	0.01	5	10	0.5	5	0.01	1	1	1	1	0.01	1	0.01
BB-6	330	340	10	54118	half	53	0.28	2.6	0.34	525	40	< 0.5	20	0.02	1	32	202	2897	3.99	< 1	0.22
BB-6	340	350	10	54119	half	32	0.65	8.4	0.29	1640	30	< 0.5	50	0.01	2	20	187	6995	4.17	< 1	0.19
BB-6	350	360	10	54120	half	58	0.12	1.4	0.33	245	60	< 0.5	10	0.01	< 1	29	215	1223	3.9	< 1	0.21
BB-6	360	370	10	54121	half	151	4.68	100.2	0.28	3035	20	< 0.5	90	0.01	2	30	241	> 10000	8.13	< 1	0.2
BB-6	370	380	10	54122	half	31	0.49	3.4	0.25	610	40	< 0.5	15	0.01	< 1	13	349	5651	4.59	< 1	0.16
BB-6	380	390	10	54123	half	52	1.03	8	0.22	2790	30	< 0.5	20	0.01	1	7	390	> 10000	4.64	< 1	0.13
BB-6	390	400	10	54124	half	53	1.13	17.2	0.26	2555	30	< 0.5	10	0.01	1	4	329	> 10000	3.33	< 1	0.17
BB-6	400	410	10	54125	half	49	1.17	11.6	0.24	4050	40	< 0.5	20	0.01	2	5	395	> 10000	4.04	< 1	0.15
BB-6	410	420	10	54126	half	40	0.76	11	0.25	2150	70	< 0.5	15	0.01	5	14	376	8238	2.99	< 1	0.14
BB-6	420	430	10	54127	half	48	0.53	8.4	0.31	1585	20	< 0.5	30	0.01	5	10	299	5641	4.16	< 1	0.18
BB-6	430	440	10	54128	half	81	0.76	10.2	0.34	1665	70	< 0.5	40	0.01	3	15	272	7862	4.39	< 1	0.2
BB-6	440	450	10	54129	half	145	1.76	33.4	0.35	4285	60	< 0.5	20	0.01	9	19	224	> 10000	4.88	1	0.22
BB-6	450	460	10	54130	half	26	0.22	2.8	0.44	900	50	< 0.5	25	0.01	3	20	233	2439	3.54	< 1	0.26
BB-6	460	470	10	54131	half	15	0.25	3.2	0.4	655	40	< 0.5	15	0.01	2	24	204	2755	3.35	< 1	0.24
BB-6	470	480	10	54132	half	26	0.32	4.4	0.43	740	20	< 0.5	25	< 0.01	7	6	194	3393	2.5	< 1	0.26
BB-6	480	490	10	54133	half	21	0.43	3	0.43	210	30	< 0.5	20	0.01	2	12	173	4241	3.18	< 1	0.26
TM-13	3900	3909	9	54135	full	18	< 0.01	5.8	1.5	115	20	< 0.5	5	18.5	22	10	80	75	5.21	< 1	0.05
TM-13	3909	3919	10	54136	full	22	< 0.01	7.6	2.22	115	< 10	< 0.5	5	20.3	35	13	93	31	4.97	< 1	0.04
TM-13	3919	3931	12	54137	half	63	0.04	6	0.65	90	30	< 0.5	5	1.61	24	15	419	480	2.66	< 1	0.25
TM-13	3931	3940	9	54138	full	12	< 0.01	3.4	1.72	70	< 10	0.5	< 5	14.54	14	8	196	42	3.29	< 1	0.2
TM-13	3940	3950	10	54139	half	26	< 0.01	5	1.53	75	10	< 0.5	< 5	8.21	13	10	426	44	3.39	< 1	0.26
TM-13	3950	3962	12	54140	full	22	< 0.01	4.8	1.05	65	< 10	< 0.5	10	5.01	5	6	403	60	1.81	< 1	0.32
TM-13	3962	3972	10	54141	half	34	0.05	10.8	0.76	85	20	< 0.5	25	1.01	14	10	462	498	2.09	< 1	0.25
TM-13	3972	3979	7	54142	half	44	0.63	55.6	0.55	250	< 10	< 0.5	20	1.45	236	48	471	6732	3.28	< 1	0.16
TM-13	3979	3990	11	54143	full	20	0.01	8.8	2.04	140	< 10	< 0.5	10	12.67	29	13	262	107	2.79	< 1	0.12
TM-13	3990	4000	10	54144	half	24	< 0.01	3.8	2.98	145	< 10	< 0.5	< 5	13.43	22	14	133	42	2.82	< 1	0.29
TM-13	4000	4009	9	54145	full	12	< 0.01	2.4	1.24	55	< 10	< 0.5	< 5	22.71	11	7	55	17	2.35	< 1	0.03
TM-13	4009	4019	10	54146	full	13	< 0.01	2.8	2.51	155	< 10	< 0.5	< 5	9.66	18	14	235	37	3.64	< 1	0.36
TM-13	4019	4030	11	54147	full	14	< 0.01	1	0.38	45	< 10	< 0.5	< 5	16.95	9	3	250	18	0.63	< 1	0.2
TM-13	4030	4040	10	54148	full	10	< 0.01	0.6	0.1	30	< 10	< 0.5	< 5	24.35	4	2	118	11	0.27	< 1	0.07
TCH-2A	4100	4109	9	54151	full	< 5	< 0.01	0.2	0.57	10	10	< 0.5	< 5	0.15	< 1	5	207	18	1.82	< 1	0.27
TCH-2A	4109	4120	11	54152	full	9	< 0.01	0.6	0.49	15	10	< 0.5	< 5	0.13	1	5	305	95	2.68	< 1	0.24
TCH-2A	4160	4170	10	54153	full	21	< 0.01	< 0.2	0.53	10	10	< 0.5	< 5	0.11	< 1	5	262	15	2	< 1	0.22
TCH-2A	4170	4180	10	54154	full	< 5	< 0.01	< 0.2	0.48	10	20	< 0.5	< 5	0.14	< 1	3	205	22	1.51	< 1	0.23
TCH-2A	4180	4190	10	54155	full	< 5	< 0.01	< 0.2	0.61	10	10	< 0.5	< 5	0.13	1	4	205	16	2.44	< 1	0.23
TCH-2A	4356	4365	9	54157	full	6	0.04	1.4	2.08	15	< 10	< 0.5	< 5	9.81	1	5	285	363	4.35	< 1	0.11
TCH-2A	4365	4375	10	54158	full	< 5	0.02	1	1.45	10	110	< 0.5	< 5	10.79	< 1	6	218	192	3.94	< 1	0.03
TCH-2A	4375	4383	8	54159	full	6	0.03	4.4	0.76	25	100	0.5	10	7.34	1	9	123	421	3.35	< 1	0.03
TCH-2A	4383	4390	7	54160	full	< 5	< 0.01	1	1.81	15	30	< 0.5	< 5	12.85	< 1	7	233	62	4.07	< 1	0.13

Drill Hole	FROM	TO	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W
	(ft)	(ft)	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
			10	0.01	5	2	0.01	1	0.001	2	0.01	5	0.1	1	5	0.01	10	10	1	10
TM-14	540	550	< 10	< 0.01	15	12	0.04	8	0.001	6	2.86	5	0.2	10	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	550	559	< 10	< 0.01	15	4	0.05	3	0.003	22	1.06	< 5	0.2	28	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	559	569	< 10	0.01	15	4	0.05	16	0.003	28	4.35	15	0.3	8	< 5	< 0.01	< 10	< 10	6	20
TM-14	569	578	< 10	0.02	25	10	0.05	16	0.003	32	4.05	5	0.3	6	< 5	< 0.01	< 10	< 10	5	10
TM-14	578	590	< 10	0.01	10	18	0.05	16	0.004	30	4.73	10	0.3	12	< 5	< 0.01	< 10	< 10	4	20
TM-14	590	600	< 10	< 0.01	10	24	0.05	35	0.004	14	5.25	10	0.3	26	< 5	< 0.01	< 10	< 10	5	< 10
TM-14	600	607	< 10	< 0.01	20	22	0.06	39	0.003	12	5.21	5	0.2	31	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	607	617	< 10	< 0.01	30	20	0.05	23	0.003	10	4.5	5	0.2	36	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	617	627	< 10	< 0.01	20	14	0.04	36	0.003	8	5.59	5	0.2	32	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	627	637	< 10	< 0.01	25	10	0.04	28	0.003	8	4.54	< 5	0.4	30	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	637	647	< 10	< 0.01	10	4	0.05	30	0.002	6	5.31	< 5	0.3	26	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	647	657	< 10	< 0.01	30	8	0.04	8	0.002	12	2.82	< 5	0.2	20	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	657	667	< 10	< 0.01	20	10	0.05	6	0.001	8	2.65	< 5	0.1	11	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	667	677	< 10	< 0.01	15	14	0.04	< 1	0.002	10	0.98	< 5	0.1	27	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	1850	1860	< 10	0.02	25	6	0.05	5	0.002	22	2.77	15	0.1	6	< 5	< 0.01	< 10	< 10	2	20
TM-14	1860	1870	< 10	0.01	20	8	0.05	6	0.003	20	3.26	10	0.2	10	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	1870	1880	< 10	< 0.01	20	8	0.04	6	0.002	12	5.07	10	< 0.1	12	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1880	1890	< 10	< 0.01	20	6	0.04	5	0.002	10	3.46	5	< 0.1	10	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1890	1900	< 10	< 0.01	20	4	0.04	6	0.002	8	6.38	10	< 0.1	11	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1900	1910	< 10	< 0.01	20	4	0.05	3	0.001	10	3.77	5	< 0.1	11	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1910	1919	< 10	< 0.01	30	6	0.04	3	0.002	18	15.28	15	< 0.1	22	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1919	1929	< 10	< 0.01	25	12	0.04	5	0.003	18	5.73	10	< 0.1	15	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1929	1940	< 10	< 0.01	20	10	0.05	9	0.002	12	6.82	15	< 0.1	13	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1940	1950	< 10	< 0.01	25	8	0.05	8	0.002	14	3.64	10	0.1	10	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1950	1960	< 10	< 0.01	20	36	0.05	6	0.002	16	9.77	15	< 0.1	16	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1960	1970	< 10	< 0.01	20	16	0.05	8	0.003	8	4.48	5	0.1	12	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	1970	1980	< 10	< 0.01	25	26	0.04	3	0.001	12	8.35	10	< 0.1	16	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1980	1990	< 10	< 0.01	25	14	0.04	2	0.002	10	5.23	5	< 0.1	15	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	1990	2000	< 10	< 0.01	15	22	0.04	< 1	0.001	6	3.28	< 5	< 0.1	9	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2000	2020	< 10	< 0.01	25	34	0.04	2	0.002	16	9.1	10	< 0.1	20	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	2020	2030	< 10	< 0.01	25	22	0.04	4	0.002	12	7.61	10	< 0.1	16	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	2030	2040	< 10	< 0.01	20	10	0.04	7	0.002	14	3.2	5	< 0.1	9	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2040	2050	< 10	< 0.01	25	10	0.05	6	0.002	14	2.85	< 5	< 0.1	10	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2050	2060	< 10	< 0.01	20	6	0.05	3	0.002	12	2.88	5	0.1	9	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2060	2070	< 10	< 0.01	20	4	0.05	6	0.002	12	2.98	< 5	0.1	7	< 5	< 0.01	< 10	< 10	2	10
TM-14	2240	2250	< 10	< 0.01	15	4	0.04	2	0.003	12	6.22	25	< 0.1	10	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2250	2260	< 10	< 0.01	15	26	0.05	2	0.003	16	6.68	50	< 0.1	10	< 5	< 0.01	< 10	< 10	2	30
TM-14	2260	2270	< 10	< 0.01	15	38	0.06	3	0.003	10	3.11	25	0.1	7	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2270	2280	< 10	0.01	15	< 2	0.05	1	0.002	8	2.15	20	< 0.1	5	< 5	< 0.01	< 10	< 10	1	< 10
TM-14	2280	2290	< 10	0.01	15	4	0.05	< 1	0.002	12	2.43	5	< 0.1	6	< 5	< 0.01	< 10	< 10	1	< 10
TM-14	2290	2300	< 10	0.01	20	< 2	0.04	< 1	0.003	12	2.17	10	< 0.1	5	< 5	< 0.01	< 10	< 10	1	< 10
TM-14	2460	2470	< 10	0.01	15	52	0.05	< 1	0.003	8	2.83	15	< 0.1	8	< 5	< 0.01	< 10	< 10	1	< 10
TM-14	2470	2480	< 10	0.01	10	24	0.04	2	0.003	8	2.44	5	0.1	6	< 5	< 0.01	< 10	< 10	1	< 10
TM-14	2480	2490	< 10	0.01	15	42	0.05	7	0.004	10	3.82	65	0.2	10	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2490	2500	< 10	0.01	10	66	0.05	8	0.004	8	4.24	20	0.1	8	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2500	2510	< 10	0.01	15	20	0.05	8	0.003	8	4.17	10	0.2	8	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	2510	2520	< 10	< 0.01	15	12	0.05	7	0.002	6	4.66	15	0.1	10	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	2520	2530	< 10	< 0.01	15	30	0.05	2	0.004	12	6.01	40	< 0.1	12	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	2530	2540	< 10	< 0.01	15	24	0.04	6	0.003	6	4.97	20	0.1	9	< 5	< 0.01	< 10	< 10	2	< 10

Drill Hole	FROM	TO	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W
	(ft)	(ft)	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
			10	0.01	5	2	0.01	1	0.001	2	0.01	5	0.1	1	5	0.01	10	10	1	10
TM-14	2540	2550	< 10	0.01	15	16	0.05	9	0.002	4	5.04	10	0.2	9	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	2550	2560	< 10	< 0.01	10	30	0.04	7	0.002	6	5.86	10	0.1	10	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	2560	2570	< 10	< 0.01	10	10	0.05	6	0.002	4	3.38	5	0.1	8	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	2570	2580	< 10	< 0.01	10	50	0.05	8	0.005	10	7.75	40	0.1	13	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	2580	2590	< 10	0.01	15	10	0.05	13	0.002	16	9.24	15	0.1	16	< 5	< 0.01	< 10	< 10	5	< 10
TM-14	2590	2599	< 10	0.02	15	26	0.05	9	0.003	10	3.59	15	0.2	7	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3090	3100	< 10	0.01	30	26	0.04	5	0.005	34	6.55	10	0.2	11	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3100	3110	< 10	0.01	25	30	0.05	5	0.004	10	3.17	< 5	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
TM-14	3110	3120	< 10	0.02	35	6	0.05	6	0.008	396	3.81	15	0.2	10	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3120	3130	< 10	0.03	55	4	0.05	7	0.011	50	3.56	15	0.3	9	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	3130	3140	< 10	0.02	40	18	0.05	4	0.006	28	2.79	5	0.2	6	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3140	3150	< 10	0.02	45	8	0.05	6	0.006	28	2.98	10	0.3	6	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3150	3160	< 10	0.02	40	12	0.05	6	0.01	18	2.95	20	0.3	8	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3160	3170	< 10	0.02	40	8	0.05	5	0.013	20	2.86	10	0.3	8	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	3170	3180	< 10	0.02	35	6	0.05	5	0.008	24	3.17	5	0.2	7	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	3180	3190	< 10	0.02	30	6	0.05	6	0.006	18	5.47	10	0.2	9	< 5	< 0.01	< 10	< 10	3	< 10
TM-14	4400	4410	< 10	0.02	25	14	0.04	5	0.029	24	4.54	5	0.3	8	15	< 0.01	< 10	< 10	3	< 10
TM-14	4410	4419	< 10	0.04	50	6	0.05	7	0.057	104	3.38	30	0.3	7	10	< 0.01	< 10	< 10	4	10
TM-14	4419	4429	10	0.02	30	4	0.05	5	0.038	24	4.44	15	0.3	8	15	< 0.01	< 10	< 10	3	< 10
TM-14	4429	4439	10	0.02	25	2	0.05	2	0.03	16	3.83	5	0.2	7	10	< 0.01	< 10	< 10	2	< 10
TM-14	4439	4449	< 10	0.03	35	2	0.05	6	0.05	68	4.76	15	0.3	9	10	< 0.01	< 10	< 10	3	10
TM-14	4449	4459	< 10	0.03	40	4	0.05	5	0.044	94	3.34	10	0.2	11	< 5	< 0.01	< 10	< 10	3	10
TM-14	4459	4469	< 10	0.02	35	14	0.05	5	0.039	138	3.87	10	0.3	12	< 5	< 0.01	< 10	< 10	3	20
TM-14	4469	4479	< 10	0.03	40	4	0.05	6	0.052	68	3.53	10	0.3	15	< 5	< 0.01	< 10	< 10	4	10
TM-14	4479	4489	< 10	0.04	65	16	0.05	8	0.057	86	3.64	20	0.2	8	10	< 0.01	< 10	< 10	3	10
TM-14	4489	4500	< 10	0.03	45	10	0.05	6	0.044	54	3.54	20	0.3	9	5	< 0.01	< 10	< 10	3	< 10
TM-14	4500	4510	< 10	0.02	30	6	0.05	6	0.036	54	4.38	10	0.3	14	< 5	< 0.01	< 10	< 10	3	20
TM-14	4510	4520	< 10	0.02	30	6	0.04	6	0.03	44	3.32	< 5	0.4	16	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	4520	4530	< 10	0.02	30	6	0.05	6	0.049	56	7.27	10	0.3	19	< 5	< 0.01	< 10	< 10	5	20
TM-14	4530	4540	< 10	0.02	30	6	0.05	6	0.035	40	4.27	< 5	0.3	12	< 5	< 0.01	< 10	< 10	4	10
TM-14	4540	4550	< 10	0.02	30	4	0.05	7	0.081	70	3.95	5	0.5	14	< 5	< 0.01	< 10	< 10	5	< 10
TM-14	4550	4560	< 10	0.03	30	2	0.05	5	0.05	48	4.08	< 5	0.4	10	< 5	< 0.01	< 10	< 10	4	< 10
TM-14	4560	4570	< 10	0.03	55	6	0.05	9	0.062	66	4.11	10	0.4	11	< 5	< 0.01	< 10	< 10	6	< 10
TM-14	4570	4580	< 10	0.04	40	8	0.05	8	0.068	60	5.18	15	0.3	9	10	< 0.01	< 10	< 10	5	10
BB-2	40	50	< 10	< 0.01	15	2	0.05	< 1	0.011	40	4.09	20	0.3	8	< 5	< 0.01	< 10	< 10	2	10
BB-2	50	60	< 10	< 0.01	25	< 2	0.05	< 1	0.011	472	3.79	55	0.3	7	< 5	< 0.01	< 10	< 10	1	20
BB-2	60	70	< 10	0.01	20	< 2	0.05	< 1	0.012	188	3.33	5	0.3	6	< 5	< 0.01	< 10	< 10	2	10
BB-2	70	80	< 10	0.01	20	< 2	0.04	< 1	0.013	100	4.86	10	0.3	8	< 5	< 0.01	< 10	< 10	2	< 10
BB-2	80	90	< 10	< 0.01	20	6	0.04	< 1	0.018	290	4.21	25	0.3	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-2	90	100	< 10	< 0.01	20	< 2	0.05	< 1	0.01	552	3.86	5	0.3	6	< 5	< 0.01	< 10	< 10	2	20
BB-2	100	110	< 10	0.01	20	6	0.05	< 1	0.008	262	3.77	20	0.2	6	< 5	< 0.01	< 10	< 10	2	10
BB-2	110	120	< 10	< 0.01	20	14	0.05	< 1	0.004	250	3.96	25	0.2	6	< 5	< 0.01	< 10	< 10	2	10
BB-2	120	130	< 10	0.01	20	< 2	0.05	< 1	0.011	420	4.33	35	0.2	6	< 5	< 0.01	< 10	< 10	2	20
BB-2	130	140	< 10	0.01	15	< 2	0.05	< 1	0.008	394	4.78	80	0.2	7	< 5	< 0.01	< 10	< 10	2	20
BB-3	14	20	< 10	0.02	35	18	0.05	< 1	0.002	62	4.25	10	0.2	7	< 5	< 0.01	< 10	< 10	2	10
BB-3	20	30	< 10	0.02	45	10	0.04	< 1	0.005	34	4.06	30	0.2	6	< 5	< 0.01	< 10	< 10	1	30
BB-3	30	40	< 10	0.02	30	30	0.04	< 1	0.008	52	4.89	15	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-3	40	50	< 10	0.02	35	10	0.04	< 1	0.006	32	3.84	10	0.2	5	< 5	< 0.01	< 10	< 10	2	20

Drill Hole	FROM	TO	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W
	(ft)	(ft)	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
			10	0.01	5	2	0.01	1	0.001	2	0.01	5	0.1	1	5	0.01	10	10	1	10
BB-3	50	60	< 10	0.01	25	4	0.05	< 1	0.014	26	3.38	5	0.2	5	< 5	< 0.01	< 10	< 10	1	< 10
BB-3	60	70	< 10	0.02	40	4	0.05	< 1	0.008	28	3.51	5	0.2	5	< 5	< 0.01	< 10	< 10	1	20
BB-3	70	80	< 10	0.02	40	< 2	0.05	< 1	0.008	38	3	< 5	0.2	4	< 5	< 0.01	< 10	< 10	1	10
BB-3	80	90	< 10	0.02	35	< 2	0.05	< 1	0.01	36	3.18	< 5	0.2	5	< 5	< 0.01	< 10	< 10	1	10
BB-3	600	610	< 10	< 0.01	15	18	0.05	9	0.004	16	1.19	< 5	0.2	7	< 5	< 0.01	< 10	< 10	4	< 10
BB-3	610	620	< 10	< 0.01	20	6	0.04	29	0.008	38	3.68	< 5	0.1	5	< 5	< 0.01	< 10	< 10	1	< 10
BB-3	620	630	< 10	< 0.01	25	22	0.05	21	0.008	64	3.74	< 5	0.2	5	< 5	< 0.01	< 10	< 10	1	< 10
BB-3	630	640	< 10	< 0.01	25	42	0.05	7	0.012	64	2.54	< 5	0.3	5	< 5	< 0.01	< 10	< 10	5	< 10
BB-3	640	650	< 10	0.01	30	12	0.05	28	0.01	44	4.01	< 5	0.2	5	< 5	< 0.01	< 10	< 10	2	10
BB-3	650	660	< 10	< 0.01	15	12	0.06	27	0.008	24	3.46	< 5	0.2	5	< 5	< 0.01	< 10	< 10	2	< 10
BB-3	660	670	< 10	< 0.01	15	28	0.06	4	0.006	10	2.38	< 5	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-3	670	680	< 10	< 0.01	15	10	0.05	5	0.008	6	1.72	< 5	0.2	12	< 5	< 0.01	< 10	< 10	3	< 10
BB-3	680	690	< 10	< 0.01	20	14	0.05	10	0.012	8	2	5	0.3	17	< 5	< 0.01	< 10	< 10	3	< 10
BB-3	690	700	< 10	< 0.01	20	22	0.05	8	0.011	6	1.92	< 5	0.2	16	< 5	< 0.01	< 10	< 10	3	< 10
BB-3	700	710	< 10	< 0.01	15	18	0.05	5	0.011	4	1.46	5	0.2	22	< 5	< 0.01	< 10	< 10	4	< 10
BB-3	710	720	< 10	< 0.01	15	22	0.05	3	0.01	4	1.52	< 5	0.2	17	< 5	< 0.01	< 10	< 10	3	< 10
BB-4	12.5	20	< 10	< 0.01	25	14	0.05	3	0.01	14	2.74	25	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	20	30	< 10	< 0.01	20	10	0.05	2	0.016	20	2.77	75	0.3	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	30	40	< 10	0.01	25	6	0.04	3	0.009	14	2.14	25	0.2	5	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	40	50	< 10	0.01	25	8	0.05	4	0.006	14	2.77	15	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	50	60	< 10	0.01	20	8	0.04	5	0.015	18	3.09	35	0.3	8	< 5	< 0.01	< 10	< 10	3	< 10
BB-4	60	70	< 10	< 0.01	10	24	0.05	8	0.014	10	2.83	5	0.3	9	< 5	< 0.01	< 10	< 10	4	< 10
BB-4	70	80	< 10	0.01	25	6	0.05	7	0.007	10	4.06	20	0.2	8	< 5	< 0.01	< 10	< 10	3	< 10
BB-4	80	90	< 10	< 0.01	15	4	0.04	1	0.007	6	1.86	20	0.1	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	90	100	< 10	< 0.01	20	4	0.05	< 1	0.016	10	1.92	30	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	100	110	< 10	< 0.01	15	6	0.04	< 1	0.042	16	3.03	60	0.3	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	110	120	< 10	0.01	20	4	0.05	5	0.01	8	3.35	35	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	120	130	< 10	0.01	30	4	0.04	7	0.004	10	3.47	10	0.1	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	130	140	< 10	< 0.01	25	6	0.05	3	0.012	14	3.38	10	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	140	150	< 10	< 0.01	25	22	0.04	3	0.009	10	3.39	15	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	150	160	< 10	0.01	25	18	0.05	5	0.011	26	3.35	30	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	160	170	< 10	0.01	25	6	0.05	5	0.007	18	3.28	30	0.1	7	< 5	< 0.01	< 10	< 10	1	< 10
BB-4	170	180	< 10	0.01	20	6	0.05	6	0.01	14	3.4	30	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	180	190	< 10	< 0.01	15	4	0.05	4	0.008	12	2.99	< 5	0.1	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-4	190	200	< 10	0.01	20	10	0.05	3	0.004	10	2.62	5	0.2	10	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	20	30	< 10	0.01	25	< 2	0.05	< 1	0.014	30	4.71	100	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	30	40	< 10	0.02	35	< 2	0.05	< 1	0.008	40	4.17	15	0.2	7	< 5	< 0.01	< 10	< 10	2	20
BB-6	40	50	< 10	0.02	40	< 2	0.05	< 1	0.006	34	4.5	15	0.2	7	< 5	< 0.01	< 10	< 10	2	30
BB-6	50	60	< 10	0.01	25	< 2	0.04	< 1	0.013	42	5	10	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	60	70	< 10	0.01	25	10	0.05	< 1	0.009	26	4.88	30	0.2	7	< 5	< 0.01	< 10	< 10	2	10
BB-6	70	80	< 10	0.02	25	< 2	0.05	< 1	0.008	18	4.37	165	0.2	6	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	80	90	< 10	< 0.01	20	< 2	0.05	< 1	0.014	24	5.38	305	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	90	100	< 10	0.01	35	< 2	0.04	< 1	0.005	40	4.57	65	0.2	6	< 5	< 0.01	< 10	< 10	2	20
BB-6	100	110	< 10	0.01	35	< 2	0.05	< 1	0.012	32	5.16	130	0.2	7	< 5	< 0.01	< 10	< 10	2	20
BB-6	110	120	< 10	0.02	35	< 2	0.04	< 1	0.006	26	4.07	40	0.2	6	< 5	< 0.01	< 10	< 10	1	10
BB-6	300	310	< 10	0.01	30	6	0.05	2	0.01	18	4.99	80	0.1	7	< 5	< 0.01	< 10	< 10	1	< 10
BB-6	310	320	< 10	0.02	35	< 2	0.06	< 1	0.007	14	3.73	135	0.2	6	< 5	< 0.01	< 10	< 10	1	< 10
BB-6	320	330	< 10	0.01	25	< 2	0.05	4	0.01	16	4.87	25	0.1	7	< 5	< 0.01	< 10	< 10	1	10

Drill Hole	FROM	TO	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W
	(ft)	(ft)	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
			10	0.01	5	2	0.01	1	0.001	2	0.01	5	0.1	1	5	0.01	10	10	1	10
BB-6	330	340	< 10	0.01	25	< 2	0.06	6	0.008	20	4.6	65	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	340	350	< 10	0.01	25	2	0.05	2	0.014	18	5.08	185	0.2	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	350	360	< 10	0.01	25	< 2	0.05	6	0.005	30	4.39	50	0.1	8	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	360	370	< 10	< 0.01	25	56	0.05	7	0.008	30	11.94	60	0.7	15	< 5	< 0.01	< 10	< 10	3	< 10
BB-6	370	380	< 10	< 0.01	25	30	0.05	3	0.012	24	5.27	25	0.2	9	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	380	390	< 10	< 0.01	25	50	0.06	3	0.024	36	5.7	105	0.2	11	< 5	< 0.01	< 10	< 10	3	< 10
BB-6	390	400	< 10	< 0.01	25	24	0.05	< 1	0.022	18	4.22	75	0.3	7	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	400	410	< 10	< 0.01	25	36	0.04	< 1	0.03	68	5.1	185	0.3	11	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	410	420	< 10	< 0.01	25	38	0.05	7	0.018	30	3.54	190	0.2	8	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	420	430	< 10	< 0.01	30	32	0.07	2	0.013	20	4.87	95	0.2	11	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	430	440	< 10	0.01	20	16	0.06	2	0.02	36	5.29	145	0.2	12	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	440	450	< 10	0.01	20	36	0.06	2	0.05	30	6.42	100	0.4	11	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	450	460	< 10	0.01	25	6	0.05	2	0.009	32	4.11	75	0.2	10	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	460	470	< 10	0.02	20	8	0.05	4	0.008	20	3.88	55	0.2	10	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	470	480	< 10	0.02	20	16	0.05	< 1	0.009	22	2.91	75	0.2	9	< 5	< 0.01	< 10	< 10	2	< 10
BB-6	480	490	< 10	0.02	25	20	0.05	< 1	0.011	16	3.74	30	0.2	12	< 5	< 0.01	< 10	< 10	2	< 10
TM-13	3900	3909	30	3.99	> 10000	6	0.38	21	0.033	2746	0.76	5	32	93	< 5	0.02	40	< 10	205	50
TM-13	3909	3919	30	3.14	> 10000	18	0.42	41	0.155	1796	1.17	5	25.3	180	< 5	0.06	40	< 10	234	70
TM-13	3919	3931	30	0.79	2715	68	0.07	25	0.153	2880	2.62	10	2.2	19	< 5	< 0.01	< 10	< 10	34	30
TM-13	3931	3940	30	2.46	> 10000	20	0.31	20	0.191	1118	0.94	< 5	15	107	< 5	0.03	30	< 10	109	30
TM-13	3940	3950	30	2.13	> 10000	30	0.19	27	0.164	1078	1.1	10	18	63	< 5	0.05	20	< 10	128	40
TM-13	3950	3962	30	1.2	9350	26	0.12	13	0.168	752	0.7	5	8.7	37	< 5	0.01	< 10	< 10	73	10
TM-13	3962	3972	30	0.6	2505	158	0.08	15	0.148	1560	1.73	5	4.3	12	< 5	< 0.01	< 10	< 10	42	30
TM-13	3972	3979	10	0.62	4295	130	0.06	10	0.124	49800	6.66	985	3	14	< 5	< 0.01	< 10	< 10	44	410
TM-13	3979	3990	30	3.13	> 10000	540	0.25	41	0.191	1520	1.32	10	10.3	70	< 5	< 0.01	20	< 10	136	50
TM-13	3990	4000	30	4.15	> 10000	24	0.27	53	0.206	578	1.39	5	9.9	65	< 5	< 0.01	20	< 10	122	50
TM-13	4000	4009	30	2.69	> 10000	22	0.47	20	0.038	158	0.79	< 5	8	160	< 5	0.03	30	< 10	93	30
TM-13	4009	4019	30	3.32	> 10000	296	0.22	55	0.23	984	1.91	5	9.1	55	< 5	< 0.01	20	< 10	127	40
TM-13	4019	4030	20	0.27	1590	12	0.34	8	0.107	234	0.26	< 5	0.7	90	< 5	< 0.01	< 10	< 10	20	10
TM-13	4030	4040	10	0.09	1610	16	0.49	2	0.036	160	0.17	< 5	0.6	128	< 5	< 0.01	< 10	< 10	13	< 10
TCH-2A	4100	4109	40	0.11	950	78	0.05	2	0.024	46	1.3	< 5	0.5	6	10	< 0.01	< 10	< 10	2	< 10
TCH-2A	4109	4120	40	0.06	3625	10	0.04	1	0.023	128	2.12	5	0.6	6	10	< 0.01	< 10	< 10	2	< 10
TCH-2A	4160	4170	50	0.09	2670	< 2	0.04	2	0.037	80	1.25	< 5	0.7	5	10	< 0.01	< 10	< 10	2	< 10
TCH-2A	4170	4180	60	0.09	660	2	0.05	1	0.04	64	1.08	< 5	0.6	6	10	< 0.01	< 10	< 10	1	< 10
TCH-2A	4180	4190	60	0.12	2930	< 2	0.05	2	0.038	110	1.74	< 5	0.9	7	10	< 0.01	< 10	< 10	2	< 10
TCH-2A	4356	4365	30	0.87	7480	20	0.2	3	0.019	88	0.94	< 5	2.1	25	< 5	0.05	< 10	< 10	16	30
TCH-2A	4365	4375	20	1.11	5085	14	0.22	4	0.028	40	1.18	5	2.3	37	< 5	0.09	< 10	< 10	18	20
TCH-2A	4375	4383	20	1.75	5610	20	0.16	5	0.011	406	1.95	< 5	0.7	40	< 5	0.04	< 10	< 10	6	40
TCH-2A	4383	4390	20	1.47	6950	86	0.26	6	0.033	34	0.59	< 5	3.4	28	< 5	0.11	< 10	< 10	23	10

Analyte	Au	Ag	Ag	Al	As	Ba	Be	Bi	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Fe	Ga
Units	**ppb**	**ppm**	**g/Mt**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**ppm**
Limit	**5**	**0.1**	**3**	**0.01**	**0.5**	**1**	**1**	**1**	**1**	**0.01**	**0.1**	**1**	**0.1**	**1**	**0.1**	**0.1**	**0.01**	**0.01**	**1**
Package Code	**FA-01**	**TE-5**	**FA-04**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**	**TE-5**
SAMPLE ID																			
TCH-2 4030-4037	151	42.7	42.7	4.81	81.8	813	< 1	50		0.12	24	84	89.5	263	5.4	>10000	1.25	13.4	13
TCH-2 4037-4046	32	3.6	3.6	6.81	12.4	1200	2	8		0.25	2	57	11.3	291	7.7	533		2.85	16
TCH-2 4046-4050	277	45.2	45.2	4.22	62.9	749	1	139		0.12	5.1	209	65.8	275	9.4	> 10000	1.5	13.4	14
TCH-2 4653-4656B	57	> 100	633	0.64	4.3	5	< 1	> 1000	1317	5.56	669	7	137	215	0.8	> 10000	1.56	3.31	4
TCH-2 4656-4662B	43	> 100	450	0.64	10.7	15	< 1	> 1000	1049	8.25	418	8	91.6	308	1.5	> 10000	1.26	4.75	3
TCH-2 4662-4666B	92	> 100	898	0.24	< 0.5	2	< 1	> 1000	2186	3.21	920	11	157	202	0.5	> 10000	3.53	3.73	2
TCH-2 4666-4670B	47	> 100	280	0.44	1.6	3	< 1	645		8.15	439	10	77.8	299	0.8	9910		2.5	3
TCH-2 4670-4679B	17	> 100	304	0.31	5.7	5	< 1	620		8.83	363	12	63	253	1.5	> 10000	1.65	5.21	3
TCH-2 4679-4683	< 5	18.2	18.2	0.23	1	9	< 1	36		30	34.1	8	7.4	71	1.4	440		0.59	< 1
TCH-2 4683-4687B	19	> 100	349	0.19	1.1	6	< 1	> 1000	675	7.19	182	6	33	279	2.5	5610		4.32	2
TCH-2 4687-4690B	29	> 100	369	0.28	11.3	5	< 1	> 1000	804	5.46	875	19	105	152	1.6	> 10000	2.23	4.6	2
TCH-2 4690-4692	13	> 100	115	0.19	2.9	7	< 1	316		18.7	249	9	50.4	114	1	239		1.41	1
TCH-2 4692-4696B	17	> 100	233	0.31	< 0.5	3	< 1	616		5.01	753	7	88.8	174	0.8	> 10000	2.57	3.26	2
TCH-2 4696-4702B	34	> 100	530	1.05	13.7	4	< 1	> 1000	1138	11.1	446	6	88	176	1	3030		3.7	4
TCH-2 4702-4710B	< 5	37.4	37.4	0.89	12.1	11	< 1	86		25.3	45.6	11	10	160	0.5	532		1.21	2
TCH-2 4767-4771B	146	> 100	874	1.06	21.9	26	< 1	> 1000	1849	7.9	558	20	114	264	4.4	1690		3.73	4
TCH-2 4771-4783B	85	> 100	244	1.01	50.4	5	< 1	728		11.4	422	10	101	198	1	1940		6.7	5
TCH-2 4783-4785.6	< 5	14.1	14.1	0.66	12.6	25	< 1	32		31.5	18	18	4.7	112	1.1	68.1		0.63	2
TCH-2 4785.6-4791B	67	> 100	411	0.47	13.8	3	< 1	> 1000	1242	8.11	982	11	182	192	0.8	3890		3.31	2
TCH-2 4791-4800B	37	> 100	186	0.72	37.9	3	< 1	> 1000	1066	11	766	10	172	213	0.8	788		5.77	4
TCH-2 4800-4804B	< 5	28.9	28.9	1.94	52.4	2	< 1	81		18.9	24.9	13	11.8	154	0.7	353		10.7	13
TCH-2 4804-4812B	76	> 100	470	1	13.9	3	< 1	> 1000	1282	11	593	8	127	204	0.8	2290		4.97	5
TCH-2 4812-4822B	80	> 100	208	0.84	17.1	3	< 1	812		10.7	525	8	115	213	0.9	1370		4.83	4
TCH-2 4822-4828B	54	> 100	170	0.54	12.4	2	< 1	> 1000	1548	6.41	831	25	182	293	0.6	1200		3.27	3
TCH-2 4828-4837B	66	> 100	217	0.39	17.6	2	< 1	> 1000	2303	5.95	674	5	141	359	0.4	1150		3.1	2
TCH-2 4837-4849	5	7.9	7.9	0.41	3.8	7	< 1	28		32.5	23.4	11	5.2	39	0.3	38.2		0.63	1
TCH-2 4849-4854B	81	> 100	182	1.49	20.4	3	< 1	659		13.6	385	10	93.5	221	1.5	939		4.98	6
TCH-2 4854-4860B	111	> 100	178	1	21.4	3	< 1	452		11.7	478	9	124	278	0.8	732		5.37	4
TCH-2 4860-4862B	69	> 100	195	1.27	9.1	4	< 1	485		17.4	193	8	44.5	194	1.5	273		2.25	4
TCH-2 4862-4869B	137	> 100	328	1.76	30	3	< 1	852		12.6	495	8	105	182	1.6	1140		5.57	7
TCH-2 4869-4877B	100	> 100	207	1.21	32.2	3	< 1	483		13.2	567	17	131	184	1.3	3710		4.83	5
TCH-2 4877-4882	< 5	11.4	11.4	0.94	14.7	9	< 1	26		25.2	26.1	14	6.3	46	0.5	47.2		1.59	3
TCH-2 4882-4891B	187	> 100	613	0.72	15.2	4	< 1	> 1000	1443	9.9	927	5	197	135	0.6	> 10000	1.36	5.64	3
TCH-2 4891-4899	18	33.8	33.8	2.76	50	3	1	92		19.7	24.9	8	17.8	119	1.9	189		9.31	10
TCH-2 4899-4913	7	12.4	12.4	1.77	36.6	3	3	29		22.1	9.5	7	11.2	100	1	131		8.97	8
TCH-2 4913-4921	56	93.5	93.5	1.89	38.8	3	1	224		19	145	6	40.6	166	0.8	579		10.7	8
TCH-2 4921-4929	7	12.3	12.3	2.69	33.4	3	< 1	27		20.9	9.9	6	9	157	0.7	156		13.8	13
TCH-2 4929-4939	< 5	2.9	2.9	3.4	5.1	28	2	6		18.3	2.5	19	8.3	97	0.8	16.7		2.55	9
TCH-2 4939-4949	< 5	4.7	4.7	3.44	7.1	103	2	10		16.7	6.1	24	11	87	1.1	20.5		2.69	10

Analyte	Ge	Hf	In	K	La	Li	Mg	Mn	Mn	Mo	Na	Nb	Ni	P	Pb	Pb	Rb	Re	S
Units	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**ppb**	**%**
Limit	**0.1**	**0.1**	**0.01**	**0.01**	**1**	**0.1**	**0.01**	**1**	**0.01**	**0.1**	**0.01**	**0.1**	**0.1**	**0.001**	**0.1**	**0.01**	**0.1**	**5**	**0.05**
Package Code	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID																			
TCH-2 4030-4037	1	1.1	2.19	5.3	47	34.4	0.28	> 10000	1.23	57.8	0.24	8.9	13.5	0.032	1390		331	24	17.5
TCH-2 4037-4046	1	1.4	0.11	6.94	31	23.7	0.3	4150		18.3	0.32	7.9	14.4	0.079	280		511	13	3.62
TCH-2 4046-4050	0.7	1.4	1.62	4.24	129	17.9	0.24	2800		54.4	0.18	13	15.1	0.044	804		318	21	18
TCH-2 4653-4656B	0.5	1.1	7.49	0.02	4	39.4	0.28	8010		3.9	0.06	1.5	12	0.022	> 10000	6.3	1.9	26	9.12
TCH-2 4656-4662B	4.6	0.5	5.4	0.05	4	21.4	0.26	8350		4.2	0.07	1.1	8.7	0.012	> 10000	3.3	5.4	5	7.26
TCH-2 4662-4666B	0.2	0.4	9.42	< 0.01	5	14.5	0.12	5080		1.4	0.04	0.4	8.1	0.006	> 10000	8.86	0.6	< 5	11.7
TCH-2 4666-4670B	0.6	0.5	4.42	< 0.01	5	30.2	0.24	9380		1.8	0.04	0.8	8.2	0.009	> 10000	3.63	1.3	5	6
TCH-2 4670-4679B	2.8	0.3	3.52	< 0.01	4	18.2	0.18	> 10000	1.19	2	0.04	0.4	7.5	0.003	> 10000	5.22	1.1	8	5.89
TCH-2 4679-4683	< 0.1	0.2	0.14	0.03	5	6.1	0.22	8910		0.7	0.05	0.7	6.9	0.006	4060		6	26	0.5
TCH-2 4683-4687B	3.2	0.1	1.92	< 0.01	2	15.3	0.14	> 10000	1.08	1.6	0.04	0.3	6.3	< 0.001	> 10000	5.75	1.6	5	3.35
TCH-2 4687-4690B	4.9	0.2	8.18	< 0.01	8	9.1	0.17	5990		2.4	0.04	0.4	7.2	0.003	> 10000	8.39	1.3	11	10.5
TCH-2 4690-4692	0.8	0.2	2.48	< 0.01	5	12.8	0.16	> 10000	2.54	0.8	0.04	0.3	5.9	0.011	> 10000	1.18	1.1	35	3.17
TCH-2 4692-4696B	0.6	0.6	6.73	< 0.01	3	16.4	0.18	7570		2.1	0.05	0.6	7.6	0.018	> 10000	8.07	0.7	9	8.09
TCH-2 4696-4702B	4	2.9	5.46	< 0.01	3	33.6	0.53	> 10000	1.46	5.4	0.06	2.8	8.9	0.033	> 10000	3.26	1	17	5.85
TCH-2 4702-4710B	1.8	2.6	0.44	0.01	6	16.6	0.85	9980		2.3	0.06	2.3	9.5	0.037	5030		1	13	0.58
TCH-2 4767-4771B	1.6	2.8	6.51	0.25	9	26.3	0.32	10000		6.3	0.06	3.8	15.4	0.065	> 10000	5.24	33.4	21	8.78
TCH-2 4771-4783B	3.5	1	5.97	0.04	4	22.6	0.56	> 10000	1.23	5.9	0.15	1.7	12.9	0.019	9980		2.1	11	8.46
TCH-2 4783-4785.6	0.1	1.3	0.2	0.02	9	22	0.53	3060		1.2	0.09	1.4	9.8	0.021	743		1.1	< 5	0.24
TCH-2 4785.6-4791B	2.4	0.8	15.9	0.01	6	17.4	0.22	9590		2	0.06	1	8.4	0.01	> 10000	1.64	1	< 5	10
TCH-2 4791-4800B	6.1	0.6	14.5	0.01	4	11.1	0.25	9250		2.9	0.07	1.2	9.5	0.008	4360		0.9	5	8.47
TCH-2 4800-4804B	13.1	2.1	1.65	0.02	3	8	0.34	> 10000	1.2	2.1	0.08	3	9.4	0.017	850		1.2	6	0.35
TCH-2 4804-4812B	3.4	1.1	11	0.03	3	28.7	0.52	> 10000	1.12	4.6	0.08	1.9	9.1	0.014	> 10000	1.69	1.9	17	8.44
TCH-2 4812-4822B	3.8	1.1	9.53	0.02	3	26.4	0.62	9990		6.1	0.08	1.7	8.5	0.024	6660		1.4	12	7.05
TCH-2 4822-4828B	3.7	0.7	17.7	< 0.01	11	16.7	0.26	6930		2.5	0.06	0.8	8.3	0.014	4720		0.7	< 5	8
TCH-2 4828-4837B	4.1	0.3	12	< 0.01	2	18	0.16	7130		2.1	0.06	0.6	7.8	0.006	5780		0.5	< 5	7.23
TCH-2 4837-4849	< 0.1	0.6	0.12	0.01	6	8.2	0.49	> 10000	1.05	0.4	0.06	0.8	7.4	0.019	1850		0.7	< 5	0.25
TCH-2 4849-4854B	4.5	1.7	6.62	0.03	4	28.1	1.02	> 10000	1.45	3.2	0.11	2.3	12	0.037	6110		2.9	6	5.87
TCH-2 4854-4860B	3.1	0.9	10.9	0.03	4	31.8	0.6	> 10000	1.24	2.4	0.12	1.3	10.6	0.021	5730		1.3	< 5	7.51
TCH-2 4860-4862B	2.7	2.3	2.94	0.02	4	42.6	1.04	> 10000	2.25	0.9	0.12	2.5	9.2	0.049	7440		1.5	7	2.96
TCH-2 4862-4869B	3	2	8.16	0.04	3	28.9	1.54	> 10000	1.65	3.5	0.14	3.5	12.6	0.046	9320		3.5	16	6.63
TCH-2 4869-4877B	2.4	2.3	9.23	0.02	8	24	1.01	> 10000	1.73	4	0.1	3.7	14.8	0.053	5430		2.5	19	8.61
TCH-2 4877-4882	1.3	2.8	0.26	0.01	7	21.9	1.01	> 10000	2.21	1	0.08	2.7	8.1	0.034	1800		0.7	< 5	0.18
TCH-2 4882-4891B	2.4	0.4	18.9	0.03	2	21	0.48	> 10000	1.12	1.3	0.06	1	15.8	0.012	> 10000	1.77	1.6	8	13.2
TCH-2 4891-4899	11.1	3.1	0.99	0.03	3	30.5	1.4	> 10000	1.99	23.8	0.09	5.4	14.9	0.059	816		4.2	28	1.27
TCH-2 4899-4913	8.3	2.4	0.73	0.02	2	11.6	2.44	> 10000	1.28	24	0.07	3.9	20.8	0.04	414		1.6	20	0.49
TCH-2 4913-4921	13.3	1.8	3.5	0.03	2	20.3	0.81	> 10000	1.37	3.8	0.1	3.3	14.9	0.051	2550		1.4	6	2.52
TCH-2 4921-4929	8.7	3.3	0.84	0.03	2	10.1	0.84	> 10000	0.92	13.2	0.09	5.7	13.9	0.053	389		1.3	13	0.69
TCH-2 4929-4939	3	2.2	0.23	0.16	9	30	5.96	> 10000	0.87	79.4	0.16	9.3	25.5	0.035	118		7.2	106	0.22
TCH-2 4939-4949	3.3	2.2	0.44	0.47	11	40.4	6.41	> 10000	1.03	61.6	0.19	10	25.1	0.039	202		23.7	82	0.42

Analyte	Sb	Sc	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zn	Zr
Units	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**
Limit	**0.1**	**0.1**	**0.1**	**1**	**0.1**	**0.1**	**0.1**	**0.005**	**0.1**	**0.1**	**2**	**0.1**	**0.1**	**1**	**0.01**	**0.1**
Package Code	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**
SAMPLE ID																
TCH-2 4030-4037	26.5	7.3	11.3	87	0.7	6.2	9.9	0.139	4.9	2.7	16	13.5	8	5850		46
TCH-2 4037-4046	5.5	6.7	8.4	137	0.7	1	14.7	0.228	7.9	4.7	43	18.5	9.6	645		40.8
TCH-2 4046-4050	18.6	9.2	7.6	68	1	23.1	13.7	0.205	3.8	4.6	22	27.3	11.5	1410		50.8
TCH-2 4653-4656B	7.5	2.1	6.6	19	< 0.1	85.7	1	0.054	1.5	2.5	32	72.7	9.9	> 10000	16.26	41.2
TCH-2 4656-4662B	5.8	1.1	6	20	< 0.1	52.8	0.8	0.029	1.4	1.3	9	168	7	> 10000	11.33	18.7
TCH-2 4662-4666B	4.4	0.7	5.7	10	< 0.1	127	0.5	0.017	2.1	1	8	55.8	5.2	> 10000	22.86	12
TCH-2 4666-4670B	8.1	1.9	5.4	23	< 0.1	33.6	0.6	0.026	0.8	1.7	6	42.1	12.9	> 10000	11.32	16.3
TCH-2 4670-4679B	7.8	1.1	5.4	22	< 0.1	37.3	0.7	0.016	0.8	1.5	13	179	12.3	> 10000	9.75	9.5
TCH-2 4679-4683	1.6	0.7	4.5	138	< 0.1	2.3	0.2	0.017	0.1	1.8	20	13.3	4.8	7880		8.6
TCH-2 4683-4687B	9.7	0.6	4.6	22	< 0.1	39.5	0.5	0.008	0.8	1.5	< 2	161	7.3	> 10000	4.69	4
TCH-2 4687-4690B	4.6	0.6	4.5	13	< 0.1	46.3	0.5	0.015	1.5	2.1	12	58.1	4.8	> 10000	23.25	6.7
TCH-2 4690-4692	4.1	1	3.9	82	< 0.1	14.5	0.2	0.01	0.4	2.8	23	55.9	7.6	> 10000	6.78	6.6
TCH-2 4692-4696B	4.4	0.9	4.6	12	< 0.1	30	0.6	0.024	0.7	2.1	12	69.3	10.2	> 10000	19.96	22.1
TCH-2 4696-4702B	4.9	1.8	5.3	32	0.2	57.2	2.2	0.105	1.1	5.2	39	80.7	8.8	> 10000	12.28	106
TCH-2 4702-4710B	3.3	1.6	4.6	113	< 0.1	4.7	1.4	0.086	0.1	5.7	43	15.6	7.9	> 10000	1.25	102
TCH-2 4767-4771B	3.4	2.5	5.7	25	0.2	82	3.7	0.128	3.4	6.6	19	19	10	> 10000	14.75	103
TCH-2 4771-4783B	4.1	2.5	5.3	34	0.1	29.5	1.4	0.051	0.7	3.7	24	72.9	13.5	> 10000	11.3	38.8
TCH-2 4783-4785.6	5.1	1.8	7.1	140	< 0.1	1.2	0.6	0.055	0.1	6.7	31	3.3	10.1	4070		55.5
TCH-2 4785.6-4791B	4	0.9	5.2	22	< 0.1	50.6	0.9	0.035	1	3.5	13	61.9	5.7	> 10000	25.42	34.4
TCH-2 4791-4800B	3.5	1.5	5.5	16	< 0.1	37.8	1.3	0.043	0.3	3.3	31	100	5.5	> 10000	20.91	21.1
TCH-2 4800-4804B	1.9	2.2	6.5	15	0.2	3.3	2	0.095	< 0.1	4.4	80	241	10.6	5860		81.2
TCH-2 4804-4812B	4.7	1.6	5.6	33	0.1	56.8	1.2	0.062	1.1	3.3	29	53.5	9.4	> 10000	16.06	42.9
TCH-2 4812-4822B	5.1	1.7	4.9	31	0.1	34.2	1.2	0.058	0.5	3.2	22	62.6	11.7	> 10000	14.21	42.3
TCH-2 4822-4828B	5.2	0.9	5	15	< 0.1	51.2	0.7	0.033	0.3	3.1	< 2	42.2	7.2	> 10000	22.75	23.4
TCH-2 4828-4837B	10.4	0.8	4.7	12	< 0.1	63.7	0.6	0.02	0.4	1.4	< 2	30.8	4.3	> 10000	18.61	11.6
TCH-2 4837-4849	2.5	1	4.4	137	< 0.1	1.7	0.4	0.034	< 0.1	5	43	2.3	5.9	5520		22.8
TCH-2 4849-4854B	4.1	2.3	4.8	44	0.2	19.3	2.3	0.087	0.5	3.5	48	93.2	9	> 10000	10.78	62.6
TCH-2 4854-4860B	4.3	1.3	4.6	38	< 0.1	17.2	1.4	0.045	0.5	2.2	25	61.1	6.9	> 10000	13.55	32.8
TCH-2 4860-4862B	4.7	2.1	3.8	70	0.1	16.4	1.6	0.103	0.6	5.1	52	24.8	7.8	> 10000	5.29	90.9
TCH-2 4862-4869B	3.1	2.8	4.3	48	0.2	32.4	2.7	0.119	0.8	3.4	50	61	9.1	> 10000	13.35	76.8
TCH-2 4869-4877B	2.8	2.7	3.7	56	0.2	19	2.5	0.128	0.5	4.5	38	41.9	10.7	> 10000	15.14	87
TCH-2 4877-4882	4.4	1.8	2.5	101	< 0.1	1.1	1.6	0.09	< 0.1	3.6	31	37.9	7.4	5880		108
TCH-2 4882-4891B	3	1.2	6.1	37	< 0.1	66.1	1.1	0.034	1.3	1.6	25	49.4	6	> 10000	23.96	19.4
TCH-2 4891-4899	2.4	5.4	5.1	51	0.3	3.9	6.6	0.225	0.2	6	82	42.1	27.5	6740		113
TCH-2 4899-4913	2.6	3.6	4.7	36	0.2	1.5	2.7	0.15	< 0.1	2.8	51	78	17	2700		92.4
TCH-2 4913-4921	2.3	3.3	4	36	0.2	9.6	1.7	0.11	0.5	3.2	42	111	19	> 10000	3.93	69.4
TCH-2 4921-4929	1.6	3.4	4.5	15	0.3	1.2	2.3	0.175	< 0.1	2.5	56	69.1	17.9	2860		139
TCH-2 4929-4939	4.5	7.5	2.9	34	0.6	0.4	4.8	0.351	0.2	4.3	58	4.5	16.1	841		64.6
TCH-2 4939-4949	5	7.7	3.1	58	0.7	0.4	6.4	0.377	0.3	6.2	59	5.5	18.1	1860		62

Analyte	Au	Ag	Ag	Al	As	Ba	Be	Bi	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Cu	Fe	Ga	Ge
Units	ppb	g/Mt	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Limit	5	3	0.1	0.01	0.5	1	1	0.1	1	0.01	0.1	1	0.1	1	0.1	0.1	0.01	0.01	1	0.1
Package Code	FA-01	FA-04	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	SEA	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	MEA	TE-5	TE-5	TE-5
SAMPLE ID																				
TCH-2 4109-4116	22		16.2	2.72	17.3	24	9	89.6		3.37	4.6	64	15	304	107	208		9.18	15	1.6
TCH-2 4116-4127	10		14.0	3.66	13.7	336	6	106		0.98	2.8	68	13	303	60.3	391		3.14	11	0.9
TCH-2 4127-4136	8		30.6	1.36	11.2	37	5	74.7		6.8	3.9	12	51.2	333	19.4	9260		9.22	13	1.4
TCH-2 4136-4146	13		6.8	2.35	23.5	21	6	13.4		5.93	1.4	13	20.5	308	61	1680		14.3	22	2.8
TCH-2 4146-4156	26		34.2	1.95	23	15	5	62.3		8.78	5.4	11	13.5	301	39.7	9230		12.4	21	2
TCH-2 4156-4166	25		83.5	1.64	32.6	18	6	326		6.85	8.5	12	14.1	252	35.5	7340		16.7	20	2.9
TCH-2 4166-4175	26		11.2	1.25	29.7	14	5	41.2		11.2	1.5	16	4.3	116	11.1	457		14.2	15	3.5
TCH-2 4175-4185	11		43.7	1.52	22.7	14	5	317		9.53	1.4	15	5.5	161	7.7	3310		16.1	21	4.2
TCH-2 4185-4195	16		66.1	1.24	26	11	3	514		17.1	1.8	19	6.2	88	6.7	1140		11.6	13	2.9
TCH-2 4195-4201	34		142.0	1.9	35.8	11	2	> 1000	1813	16.2	2.6	21	11.9	109	23.1	4820		12.1	15	1.8
TCH-2 4201-4205	5	358	> 150	1.04	17.3	14	1	> 1000	4835	14.8	9.3	9	28.1	80	6.9	> 10000	6.65	13.7	11	1.2
TCH-2 4205-4209	59	180	> 150	1.07	36.5	16	2	> 1000	1875	16.3	4.3	17	20	97	7.6	8110		12.6	10	1.6
TCH-2 4209-4215	11		69.0	2.42	11	113	2	163		13.3	135	24	25.6	268	28.8	1320		4.06	9	1.1
TCH-2 4215-4225	< 5		2.1	1.85	6.9	403	< 1	9.7		15.2	1.7	9	1	82	12.9	52.1		0.62	3	< 0.1
TCH-2 4225-4233	< 5		0.7	1.85	11.6	250	1	1.7		17.3	1.2	12	3.2	76	9.2	25.8		0.97	4	0.2
TCH-2 4233-4243	< 5		0.5	1.76	6.8	264	1	2		15.6	1.5	9	2	79	13.8	16.8		0.82	3	0.4
TCH-2 4243-4249	< 5		19.0	4.78	13.8	556	2	41.4		7.95	24.9	38	6.8	246	47.5	477		2.7	13	0.8
TCH-2 4249-4260	21		140.0	1.56	26.3	20	3	698		15	10	33	6.9	57	9.8	391		14.2	15	3.5
TCH-2 4260-4270	8		66.7	2.72	23.2	59	2	135		15.5	100	24	24.3	247	23.7	505		4.25	10	2.3
TCH-2 4270-4280	< 5		92.3	1.44	75.4	8	1	199		15.7	55.4	13	15.5	340	10.4	1190		9.96	9	6.3
TCH-2 4280-4286	< 5		11.9	2.96	14.6	21	3	23.9		14.9	36.5	38	10.1	151	33.9	200		4.45	10	1.7
TCH-2 4286-4290B	11		42.1	3.09	8.1	11	1	67.2		12.3	258	11	56.2	518	36.9	1980		4.32	10	1.3
TCH-2 4290-4296	13		36.7	3.11	7.8	18	2	35.4		10.4	226	27	54.2	316	35.4	2850		2.38	9	0.8
TCH-2 4296-4300	16		19.1	3.5	22.4	29	3	42.5		10.3	9.4	16	16.9	120	78.9	1150		13.4	18	2.6
TCH-2 4300-4302	11		117.0	3.01	15.4	13	2	177		6.35	478	8	99.2	233	40.3	> 10000	1.58	4.09	11	0.9
TCH-2 4302-4312B	5		51.8	2.21	12.9	24	1	68.5		5.5	236	54	57.1	625	19.1	9520		3.33	7	1.2
TCH-2 4312-4320	< 5		2.2	3.19	10.3	531	< 1	3.1		3.9	6.1	16	4.9	428	17.3	194		0.84	7	< 0.1
TCH-2 4320-4330	6		9.5	2.85	24.8	420	< 1	17.7		14.5	38.4	22	12.3	375	20.4	239		1	7	0.2
TCH-2 4330-4340	< 5		1.3	2.3	47.3	229	1	2.7		23.9	1.2	18	1.7	64	21.9	41.8		0.77	5	< 0.1
TCH-2 4340-4350	< 5		0.5	1.81	2.5	297	< 1	0.5		14.3	0.9	11	0.8	49	7	21.8		0.45	4	< 0.1
TCH-2 4390-4400	< 5		0.4	2.01	8.2	410	< 1	1.2		3.31	0.8	16	1.7	592	8.5	26.5		0.59	5	0.6
TCH-2 4440-4450	< 5		0.7	1.68	6.1	350	< 1	1.5		14.3	3.2	12	3.6	189	8.9	18		0.87	3	0.2
TCH-2 4450-4460B	12		139.0	1.21	18.2	12	4	531		16.1	27.4	20	9.9	183	6.9	1530		12.5	11	3.1
TCH-2 4460-4470	10		105.0	0.84	30.8	10	2	236		15.3	125	9	33.5	108	4	2490		6.45	6	3.5
TCH-2 4460-4470B	7		103.0	0.9	56.3	10	2	234		15.9	124	10	35	192	4.2	2630		6.9	7	1.8
TCH-2 4470-4480	< 5		40.3	1.73	16.5	12	2	88.1		15.8	23	17	6.3	167	5.7	74.8		3.16	6	3.6
TCH-2 4480-4490	9	178	> 150	1.01	41.2	6	1	457		17.3	22.4	10	9.9	90	2.8	384		8.75	8	5
TCH-2 4490-4500	< 5		36.1	1.57	18.2	12	1	81.1		22	8	10	6.3	126	27	216		10.1	11	1.5
TCH-2 4500-4510	< 5		16.1	1.68	22.1	8	1	34.5		19.8	15.4	8	6.7	101	19.4	325		10.6	11	1.8
TCH-2 4520-4532	< 5		42.8	1.14	41.5	14	1	101		23.2	19.8	11	6.2	81	1.7	661		2.19	4	0.9
TCH-2 4540-4550	< 5		1.3	0.4	7.3	9	< 1	1.2		24.7	1.9	8	0.9	28	0.6	13.2		0.54	1	< 0.1
TCH-2 4640-4648	< 5		0.9	1.74	30.8	16	< 1	1.3		27.5	1.3	18	3.5	281	0.9	36.1		1.05	4	0.1
TCH-2 4959-4970	< 5		0.5	2.18	18.5	42	2	0.8		15.9	1.2	24	5.1	106	3.8	9.6		1.34	7	1.3
TCH-2 4970-4982	< 5		0.5	2	30.8	7	1	0.9		18.3	2.6	40	3.9	130	1.6	17		1.07	5	0.9
TCH-2 4982-4991	< 5		11.5	1.84	21.7	84	< 1	22.9		17.8	19.4	23	6.6	94	3.1	52.6		1.12	5	0.8
TCH-2 4991-5001	21		7.3	2.95	12.6	168	3	14.4		15.8	16.2	32	14.2	130	7.2	114		2.77	8	3.4
TCH-2 5001-5010	5		1.9	2.32	20.2	174	1	3.1		17.6	5.8	25	5.6	86	4.1	35.5		1.18	5	0.6
TCH-2 5010-5020	< 5		1.9	1.21	25.9	8	< 1	2.6		29.1	3	15	2.5	166	1	30.4		0.88	3	< 0.1
TCH-2 5020-5030	< 5		0.7	0.39	8.3	28	< 1	0.5		36.1	0.9	9	1.1	46	1	14.1		0.42	1	< 0.1
TCH-2 5030-5040	< 5		0.5	0.71	28.7	7	1	0.6		31.9	2.3	13	4.2	59	0.6	24.5		0.76	2	0.3
TCH-2 5040-5050	< 5		0.4	2.45	14.2	422	1	0.4		22.5	1	22	4	161	2.6	21.6		1.01	5	0.3
TCH-2 5091-5100	< 5		0.4	4.81	13.4	915	1	0.5		5.44	0.5	52	12.2	489	12.4	29.2		1.96	11	< 0.1
TCH-2 5148-5150	< 5		12.6	1.58	44.6	14	< 1	25.7		19.9	25.8	22	10	210	1.8	83.3		1.52	5	0.2
TCH-2 5179-5185	< 5		1.6	4.16	37.8	10	1	1.4		21.2	2.8	41	11.3	404	1.4	29.7		2.53	11	0.3
TCH-2 5185-5190	< 5		3.0	3.46	43.7	16	1	3.1		20	4.8	50	8.3	221	1.6	28.7		1.69	8	0.2
TCH-2 5190-5200	< 5		0.7	0.49	57.8	18	< 1	0.2		26.1	1.4	6	1.5	55	0.7	17.5		0.54	1	< 0.1
TCH-2 5216-5217	10		64.0	3.61	17.5	54	1	117		20.6	66.3	28	26.3	372	1.8	445		3.07	10	0.8
TCH-2 5217-5227	< 5		1.6	1.94	29.3	32	< 1	1.2		31.1	1.3	22	3.5	156	2.2	25.1		1.11	5	< 0.1
TCH-2 5227-5239	< 5		1.7	1.16	31.1	13	< 1	1.5		29.8	1.7	13	2.5	113	1.2	14.5		1.03	3	< 0.1
TCH-2 5239-5251	< 5		3.8	3.77	35.6	58	1	10.2		16.9	6.5	34	6.5	212	23.2	32.6		1.67	10	5
TCH-2 5290-5300	< 5		0.7	4.28	< 0.5	781	2	0.3		4.37	0.1	43	7.7	215	25.3	10		1.8	10	1.5

Analyte	Hf	In	K	La	Li	Mg	Mn	Mn	Mo	Na	Nb	Ni	P	Pb	Pb	Rb	Re	S	Sb	Sc
Units	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**ppb**	**%**	**ppm**	**ppm**
Limit	**0.1**	**0.01**	**0.01**	**1**	**0.1**	**0.01**	**1**	**0.01**	**0.1**	**0.01**	**0.1**	**0.1**	**0.001**	**0.1**	**0.01**	**0.1**	**5**	**0.05**	**0.1**	**0.1**
Package Code	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**MEA**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID																				
TCH-2 4109-4116	4.4	2.34	0.51	29	126	1.61	> 10000	4.84	23.6	0.08	10.6	32.9	0.128	811		137	56	1.98	17	7.9
TCH-2 4116-4127	3	0.67	2.31	34	105	0.91	> 10000	2.41	20.8	0.09	10.9	27.9	0.121	632		243	89	1.32	9.1	7.8
TCH-2 4127-4136	2	2.8	0.26	5	78.1	0.45	9800		36.7	0.07	2.3	43.3	0.051	1330		41.6	26	2.87	23.9	2.8
TCH-2 4136-4146	2.3	3.66	0.43	4	88.7	0.64	> 10000	2.68	52.4	0.07	3.1	26.3	0.071	292		108	44	2.1	22.9	3.8
TCH-2 4146-4156	1.7	3.77	0.25	3	81.6	0.53	> 10000	1.13	291.0	0.06	2.7	35	0.049	1690		61.4	101	2.84	23.1	2.1
TCH-2 4156-4166	0.9	4.49	0.27	3	73.6	0.51	> 10000	1.44	65.4	0.06	1.8	27.3	0.013	4060		65.7	45	3.86	30.2	1.8
TCH-2 4166-4175	1.2	3.73	0.05	3	73.3	0.53	7960		15.7	0.06	1.3	11.1	0.015	559		10.2	14	0.47	33.2	1.6
TCH-2 4175-4185	1	7.25	0.04	4	80.3	0.45	7200		9.9	0.06	1.9	15	0.018	1060		5.8	12	0.98	28.5	2.2
TCH-2 4185-4195	1.7	3.51	0.03	4	51.8	0.41	8890		51.7	0.06	1.9	12.9	0.023	2050		5.6	19	0.79	16.6	2
TCH-2 4195-4201	2.5	3.07	0.1	4	63.6	0.64	> 10000	1.16	398.0	0.05	3.1	29.1	0.049	4590		25.4	41	1.12	10	2.4
TCH-2 4201-4205	0.8	7.31	0.03	2	37.4	0.47	9560		240.0	0.05	1.1	75.8	0.011	8950		5.9	39	5.91	9.9	1.2
TCH-2 4205-4209	1	5.23	0.04	5	42.5	0.42	> 10000	1.06	713.0	0.06	1.1	42.3	0.052	6390		7.6	46	2.4	10.3	1.3
TCH-2 4209-4215	2.1	1.93	0.85	10	57.8	0.49	> 10000	1.29	36.6	0.06	5.7	14.3	0.044	> 10000	3.49	123	41	2.49	7.2	4
TCH-2 4215-4225	0.6	0.04	1.84	4	14.7	0.13	8120		8.8	0.07	2.7	6.2	0.037	344		141	17	< 0.05	1.5	2.2
TCH-2 4225-4233	1.4	0.03	1.14	7	33	2.39	8750		19.8	0.09	3	11.8	0.04	261		89.3	43	0.11	8.4	2.3
TCH-2 4233-4243	0.7	0.03	1.22	5	39.4	3.16	> 10000	1.08	16.6	0.08	2.6	10.3	0.042	310		98.8	40	< 0.05	2.7	2.2
TCH-2 4243-4249	3.2	0.44	2.88	16	66	0.67	9730		25.8	0.09	13.2	18.7	0.077	6730		261	63	0.48	3.9	8.9
TCH-2 4249-4260	1.6	3.5	0.05	8	57.6	0.55	> 10000	1.33	470.0	0.05	2.5	11.7	0.063	4790		8.9	346	0.59	23.5	2.5
TCH-2 4260-4270	2.8	1.16	0.71	10	44.1	0.59	> 10000	1.72	25.0	0.06	8	17.3	0.04	> 10000	3.23	110	45	1.99	4.7	6.1
TCH-2 4270-4280	1.3	2.59	0.19	4	22.2	0.32	> 10000	1.13	18.8	0.05	3.5	10.5	0.038	> 10000	2.18	33.2	37	1.86	4.1	3
TCH-2 4280-4286	2.8	1.08	0.62	16	55.1	0.63	> 10000	2.74	85.5	0.05	9.2	15.5	0.049	6170		113	127	0.51	7.5	6.2
TCH-2 4286-4290B	1.8	2.07	0.41	4	35	0.41	> 10000	1.31	129.0	0.05	8.7	15.6	0.041	> 10000	3.88	80.5	166	4.46	5.2	6.9
TCH-2 4290-4296	3	1.78	0.8	13	44.2	0.58	> 10000	1.3	112.0	0.05	9.7	16.4	0.041	> 10000	4.97	152	60	3.73	6	6.6
TCH-2 4296-4300	4.3	3.29	0.68	6	88.2	0.92	> 10000	1.36	715.0	0.07	7.1	20.5	0.056	3550		153	> 1000	1.26	18.1	5.3
TCH-2 4300-4302	2.7	5.34	0.76	3	42.8	0.49	8850		194.0	0.06	5.8	15.4	0.036	> 10000	7.85	156	138	8.25	5.3	4.9
TCH-2 4302-4312B	1.8	2.03	0.43	28	50.4	0.5	> 10000	1.13	15.3	0.05	7	17.4	0.064	> 10000	3.7	69.9	27	4.46	12.1	5.5
TCH-2 4312-4320	0.9	0.05	3.27	8	16.9	0.17	2920		7.5	0.11	5.9	12.9	0.045	1020		211	13	0.16	1.4	5.3
TCH-2 4320-4330	1.9	0.38	2.31	13	19.7	0.34	3900		10.8	0.09	5.7	16.1	0.124	4060		191	52	0.86	2.3	4.8
TCH-2 4330-4340	2.3	0.03	1.58	11	7.4	0.25	6970		7.7	0.08	5.1	12.5	0.165	221		161	48	0.08	1.6	4.1
TCH-2 4340-4350	0.7	0.01	1.9	6	8.5	0.1	5190		7.9	0.09	3.1	6	0.083	120		125	28	< 0.05	0.9	3
TCH-2 4390-4400	1	0.03	2.27	8	22.8	0.07	1740		17.7	0.09	3.5	9.4	0.048	183		153	33	< 0.05	2.4	2.2
TCH-2 4440-4450	1.2	0.04	1.51	6	36.3	2.45	4730		20.8	0.09	3	13.2	0.032	647		98	61	0.7	2.9	2.6
TCH-2 4450-4460B	1.2	3.34	0.04	7	36.2	0.45	> 10000	1.96	158.0	0.05	1.5	13.4	0.026	> 10000	1.4	6.4	58	0.98	20.1	2.7
TCH-2 4460-4470	1.2	2.87	0.07	3	40.7	0.38	> 10000	1.79	3.5	0.05	1.6	9.9	0.028	> 10000	1.83	9.7	14	2.38	12.8	2
TCH-2 4460-4470B	1.4	2.94	0.06	4	42.8	0.41	> 10000	1.78	4.0	0.05	1.7	11	0.03	> 10000	1.75	10	17	2.52	12.9	2.1
TCH-2 4470-4480	2.5	0.6	0.13	8	61.4	2.47	> 10000	4.71	5.3	0.05	4.2	11.2	0.03	6170		23.1	22	0.48	13.9	4
TCH-2 4480-4490	1.1	2.27	0.03	2	24.5	0.86	> 10000	5.12	3.8	0.05	1.5	8.6	0.021	> 10000	2.25	4.5	< 5	1.1	7.4	1.6
TCH-2 4490-4500	1.5	1.08	0.12	3	25	0.56	> 10000	1.13	15.1	0.05	2.2	8.6	0.03	4770		35.3	24	0.49	6.8	2
TCH-2 4500-4510	2.4	1.19	0.09	2	19.5	0.47	> 10000	1.12	10.4	0.06	3.3	9.4	0.025	3400		27.2	17	0.51	6.4	2.6
TCH-2 4520-4532	2.6	0.14	0.03	6	49.4	5.58	8470		1.4	0.08	3	13.9	0.013	4470		1.9	14	1	3.9	3.1
TCH-2 4540-4550	2.2	0.02	0.04	4	1.5	8.67	418		1.4	0.1	1.3	5.3	0.015	100		1.1	7	0.13	4.5	1.8
TCH-2 4640-4648	2.8	0.02	0.04	9	57.7	1.79	2100		5.3	0.07	4.5	17.5	0.052	228		3.1	24	0.21	4.8	4.3
TCH-2 4959-4970	2.3	0.11	0.18	12	54.8	9.06	7570		4.1	0.15	6.6	20.3	0.044	65.6		20.2	28	0.13	5.3	5.8
TCH-2 4970-4982	3.8	0.05	0.06	27	63.7	8.45	4920		3.2	0.14	5.3	14.6	0.032	94		3.5	13	0.17	18	4.9
TCH-2 4982-4991	2.7	0.19	0.39	11	58.2	7.06	6510		4.8	0.12	4.6	14.1	0.041	1610		27.3	12	0.41	5	4.4
TCH-2 4991-5001	1.4	0.97	0.55	16	39.1	4.61	> 10000	1.32	7.1	0.07	6.9	18.9	0.044	970		49.5	18	0.57	6	5.3
TCH-2 5001-5010	3.2	0.05	0.64	11	36.2	6.82	6290		7.2	0.12	6.5	19.7	0.041	610		46.9	12	0.21	13.2	5.7
TCH-2 5010-5020	2.3	0.02	0.05	8	17.4	2.61	1980		8.9	0.05	3.3	13.5	0.028	854		4.8	18	0.12	4.8	3.1
TCH-2 5020-5030	0.4	0.01	0.07	6	25.6	0.88	419		2.0	0.06	0.8	9.7	0.009	91.6		5.8	8	0.21	1.3	1.3
TCH-2 5030-5040	1.7	0.03	0.02	7	29.9	1.37	5780		3.2	0.05	1.9	13.6	0.038	377		1.7	< 5	0.26	4.7	1.8
TCH-2 5040-5050	2.1	0.01	1.62	10	19.9	2.39	4030		12.1	0.12	6.6	24.3	0.055	135		91.9	42	0.19	4.7	6.7
TCH-2 5091-5100	1.3	0.02	4.15	25	65.7	2.14	1770		25.8	0.58	12.7	39	0.053	103		239	27	1.69	2.9	11.4
TCH-2 5148-5150	5.2	0.09	0.1	12	53.9	7.67	2450		1.5	0.12	3.6	16.2	0.015	6280		10	31	1.22	19	5.2
TCH-2 5179-5185	5.6	0.03	0.08	20	14.3	5.3	3940		5.2	0.09	9.5	35.9	0.05	707		6.9	34	1.35	12.7	10.8
TCH-2 5185-5190	5.1	0.04	0.05	27	35.9	6.05	3400		5.2	0.08	6.7	28.8	0.034	2350		4.2	28	0.9	17	8.8
TCH-2 5190-5200	0.8	< 0.01	0.04	3	4.6	8.98	421		0.8	0.09	1.4	9.5	0.025	104		1.8	15	0.3	1.7	2
TCH-2 5216-5217	4.5	0.18	0.08	16	12.2	3.88	8000		22.6	0.09	8.6	35.4	0.044	> 10000	1.61	7.1	9	1.31	9	8.1
TCH-2 5217-5227	2.5	0.02	0.09	11	15.4	2.61	2410		6.1	0.07	4.3	16.4	0.024	331		7.4	35	0.26	5.4	5.1
TCH-2 5227-5239	1.8	0.01	0.03	7	13.4	4.48	2290		1.9	0.07	2.7	13.3	0.013	1040		1.9	24	0.5	7.1	2.8
TCH-2 5239-5251	3.7	0.04	1.07	17	109	2.51	2180		7.1	0.07	9.2	24.8	0.043	2910		66.3	27	1.66	15.6	6.5
TCH-2 5290-5300	0.4	0.03	1.05	23	89.9	1.99	705		0.9	0.06	9.8	33.5	0.047	35.6		76.9	< 5	0.23	1.1	8.4

Analyte	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zn	Zr
Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
Limit	0.1	1	0.1	0.1	0.1	0.005	0.1	0.1	2	0.1	0.1	1	0.01	0.1
Package Code	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	MEA	TE-5
SAMPLE ID														
TCH-2 4109-4116	10.6	9	7.6	5.9	0.4	0.931	10.2	56.9	380	0.7	47.3	1260		166
TCH-2 4116-4127	4.3	28	5.3	7.5	0.4	2.05	5.4	57	124	0.8	24.7	874		112
TCH-2 4127-4136	6.7	19	3.1	2.4	< 0.1	0.63	2.2	22.8	447	0.1	11.1	1150		76.6
TCH-2 4136-4146	8.4	8	1.3	2.5	0.1	1.31	4.2	51.8	440	0.2	15.1	770		90
TCH-2 4146-4156	7.8	9	7.2	2.1	< 0.1	0.641	4.1	34.2	365	0.2	13	1620		73.4
TCH-2 4156-4166	8	9	5.4	1.5	< 0.1	0.663	5.8	39.1	712	0.1	10.1	1520		36.3
TCH-2 4166-4175	4.6	22	0.7	1.1	< 0.1	0.236	3.7	34.3	589	< 0.1	9.2	477		46
TCH-2 4175-4185	6.9	26	3	1.6	< 0.1	0.179	3.2	46.9	717	0.1	12	715		41.9
TCH-2 4185-4195	4.2	36	5.6	1.1	< 0.1	0.113	3.1	34.2	592	0.1	11.3	520		66.6
TCH-2 4195-4201	4.7	37	16.9	2	0.1	0.365	4.4	34.1	401	0.2	12	613		103
TCH-2 4201-4205	4.4	36	45.8	0.8	< 0.1	0.197	2.5	33.4	288	0.1	7.8	1320		30.4
TCH-2 4205-4209	4.6	38	19.6	0.9	< 0.1	0.213	3.5	25.9	452	< 0.1	10.4	850		42.1
TCH-2 4209-4215	2.6	37	6.4	3.7	0.2	1.41	2.4	41.4	189	0.3	13.9	> 10000	3.6	73.4
TCH-2 4215-4225	1.8	59	0.2	1.5	< 0.1	1.04	3.7	9.1	28	0.2	8.4	353		21.2
TCH-2 4225-4233	1.6	54	0.2	1.8	0.1	0.666	3.7	20.2	18	0.1	7	796		52.8
TCH-2 4233-4243	2.1	52	< 0.1	1.8	< 0.1	0.749	3	13.5	23	0.2	7.2	347		25.2
TCH-2 4243-4249	3	48	1.7	8.8	0.5	2.35	3.2	58.4	194	0.9	12.8	4850		119
TCH-2 4249-4260	2.1	40	8.1	2.2	< 0.1	0.291	4.8	49.4	1180	0.1	13.3	2520		65.9
TCH-2 4260-4270	1.9	33	6.5	4.9	0.3	1.09	3.7	43.2	358	0.4	13.2	> 10000	2.84	99.2
TCH-2 4270-4280	1.6	15	6.9	2.6	0.1	0.451	5.7	15.2	369	0.2	9.4	> 10000	1.5	50.7
TCH-2 4280-4286	2.2	41	3	6	0.4	0.869	2.5	52.8	237	0.5	18.3	8530		101
TCH-2 4286-4290B	2.2	23	7.8	5.6	0.3	0.644	2.4	12.2	126	0.6	11.9	> 10000	6.84	56.5
TCH-2 4290-4296	2	28	12.4	6.1	0.3	1.06	2.2	41	124	0.7	14	> 10000	6.4	95.3
TCH-2 4296-4300	4.5	26	3.1	3.7	0.3	1.08	2.2	73.2	557	0.5	15.4	2930		148
TCH-2 4300-4302	3.3	16	18.3	3	0.2	1.18	1.4	39.1	147	0.5	10.3	> 10000	13.42	72.5
TCH-2 4302-4312B	1.6	17	11.8	3.8	0.2	0.587	2.5	< 0.1	89	0.5	14.4	> 10000	6.63	62.7
TCH-2 4312-4320	1.2	55	0.2	3.1	0.2	1.84	1.5	11.1	88	0.3	7.4	1680		29.3
TCH-2 4320-4330	1.1	70	1	3.5	0.2	1.3	2.8	32.8	64	0.3	10.2	9560		63.4
TCH-2 4330-4340	1	85	0.3	3.2	0.2	0.78	5	58.1	95	0.3	15.2	332		95.5
TCH-2 4340-4350	0.4	39	< 0.1	1.8	0.1	0.714	3.1	30.9	30	0.2	9.3	196		25.4
TCH-2 4390-4400	0.7	38	0.1	2	0.1	1.08	3.3	< 0.1	31	0.2	6.8	169		37.1
TCH-2 4440-4450	0.7	67	0.2	2.1	0.1	1.24	2.5	26.8	9	0.1	8.4	951		40.9
TCH-2 4450-4460B	5.2	47	13.4	1.6	< 0.1	0.543	3.1	52.4	4000	0.1	28.5	6240		52.8
TCH-2 4460-4470	2.9	66	13.3	1.2	< 0.1	0.767	3.7	51.6	243	0.1	9.7	> 10000	3.63	44.3
TCH-2 4460-4470B	2.6	67	13.8	1.5	< 0.1	0.73	4.1	53.3	253	0.1	10.1	> 10000	3.52	47.5
TCH-2 4470-4480	2.7	61	2.3	2.7	0.2	0.736	5	65.8	75	0.3	10.9	5720		83.2
TCH-2 4480-4490	3	36	15	1.1	< 0.1	0.897	2.5	39.5	189	< 0.1	9	5360		45.3
TCH-2 4490-4500	3.7	32	3.5	1.9	< 0.1	0.393	3	50.9	146	0.1	16	2170		63.1
TCH-2 4500-4510	3.3	21	2.1	1.7	0.1	0.243	2.7	55.7	136	0.2	14.2	3860		96.4
TCH-2 4520-4532	2.5	71	4	2.3	0.1	0.867	4.2	27.4	14	0.3	7.1	1380		104
TCH-2 4540-4550	1.7	93	0.2	1.4	< 0.1	< 0.005	2.8	6.7	14	0.2	4.9	195		93.2
TCH-2 4640-4648	2.1	52	0.2	2.9	0.2	0.244	5.6	31.2	3	0.4	10.3	335		108
TCH-2 4959-4970	2.3	40	< 0.1	4.3	0.2	0.126	4.5	38.7	4	0.6	16.3	489		80.5
TCH-2 4970-4982	2.1	36	< 0.1	3.2	0.2	< 0.005	5.8	29.7	3	0.5	14.2	800		154
TCH-2 4982-4991	2.3	68	0.8	3.2	0.2	0.462	3.7	34	5	0.4	12.9	4480		111
TCH-2 4991-5001	2.8	111	0.3	5.2	0.3	0.455	6.2	40.7	6	0.5	15.3	4140		44.4
TCH-2 5001-5010	2.2	61	0.2	4.2	0.3	0.395	4	44.4	3	0.6	14.1	1610		122
TCH-2 5010-5020	2	82	0.5	2	0.1	< 0.005	4.6	30.4	< 2	0.2	9.6	670		90
TCH-2 5020-5030	1.3	175	< 0.1	1.2	< 0.1	< 0.005	3.6	23.8	2	< 0.1	5.5	131		15.9
TCH-2 5030-5040	1.4	133	< 0.1	1.4	< 0.1	< 0.005	5.6	38.1	3	< 0.1	7.9	670		68
TCH-2 5040-5050	1.9	71	< 0.1	5.2	0.3	0.489	12.5	83.1	3	0.5	14.7	311		72.2
TCH-2 5091-5100	2.7	151	0.3	8.7	0.4	1.53	3.5	40.7	3	1	25.9	145		41.2
TCH-2 5148-5150	3.3	49	1.7	2.9	0.2	0.463	5.7	30.7	3	0.5	8.7	3620		218
TCH-2 5179-5185	2.1	15	0.3	7.3	0.4	< 0.005	6.3	46.6	4	0.7	24	635		195
TCH-2 5185-5190	2.1	22	0.6	6.6	0.3	< 0.005	7.9	60.4	3	0.5	20.9	948		188
TCH-2 5190-5200	1.1	104	< 0.1	1.5	< 0.1	< 0.005	3.7	15.2	3	0.1	3.9	319		34.9
TCH-2 5216-5217	3.1	27	2.3	4.8	0.3	0.599	5.5	45.8	4	0.7	16.9	> 10000	2.07	150
TCH-2 5217-5227	1.8	88	< 0.1	3.1	0.2	< 0.005	6.6	40.7	2	0.3	11.6	446		98.6
TCH-2 5227-5239	1.5	102	0.2	1.1	0.1	< 0.005	3.7	23.7	3	0.2	7.4	558		73.7
TCH-2 5239-5251	2.3	55	0.3	6.2	0.4	1	4.4	46.5	38	0.5	17.7	1170		135
TCH-2 5290-5300	2.2	95	< 0.1	6.5	0.4	0.578	1.5	53.4	7	0.4	20.4	85		13.4

Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	CuT	Fe	Ga	Ge
Units	**ppb**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**MULTI-AAS**	**%**	**ppm**	**ppm**
Limit	**5**	**0.1**	**0.01**	**0.5**	**1**	**1**	**0.1**	**0.01**	**0.1**	**1**	**0.1**	**1**	**0.1**	**0.1**	**%**	**0.01**	**1**	**0.1**
Package Code	**FA-01**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**0.01**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID																		
TCH-2A 4090-4100	< 5	0.9	7.05	1.9	640	2	1	0.07	0.7	83	2.8	158	17	57.9		1.78	19	1
TCH-2A 4120-4130	279	92.6	4.19	163	526	1	574	< 0.01	7	812	95	333	6.8	> 10000	1.57	19.4	22	1.8
TCH-2A 4130-4140	337	95.1	2.95	248	448	< 1	361	< 0.01	7.1	1020	124	355	5.3	> 10000	2.31	24.1	18	1.4
TCH-2A 4140-4150	57	81.1	7.34	30.8	395	3	207	0.08	58.1	1020	39.7	243	38.7	> 10000	1.15	12.1	31	3.4
TCH-2A 4150-4160	113	61.1	6.26	87.5	837	1	164	0.05	7.2	254	59.6	282	8.9	6400	0.64	11.6	17	1.3
TCH-2A 4190-4200	5	2.5	7.84	4.9	876	1	2.4	0.07	1.1	113	6.5	257	10	80		2.5	16	0.7
TCH-2A 4240-4250	< 5	1.2	7.6	4.5	855	1	1.6	0.05	0.7	102	4.3	261	9.4	61.1		2.21	16	0.8
TCH-2A 4290-4300	5	2.2	7.58	10.6	857	1	3.2	0.07	1.9	96	3.1	167	10.3	142		1.91	16	0.7
TCH-2A 4300-4310	23	14.9	8.55	15.4	> 1000	1	35.3	0.08	10.2	106	12.1	166	9.4	1410		3.03	15	1.3
TCH-2A 4328.6-4329	16	35.9	9.53	20.4	> 1000	< 1	59.9	0.08	15.8	36	4.5	108	7.5	5600		1.6	13	0.7
TCH-2A 4340-4350	22	16.5	7.89	15.6	74	2	36.8	15.3	2.3	156	18.9	239	57.6	1870		8.2	17	3.5
TCH-2A 4390-4400	< 5	4.5	4.29	9.2	137	3	25.2	20.9	2.4	59	10.1	83	41.7	291		3.97	11	1
TCH-2A 4420-4430	12	5.1	3.16	6.8	177	3	3.5	14.2	0.8	36	7.5	62	5.9	1920		2.77	8	1.6
TCH-2A 4430-4440	5	1.7	6.57	8.6	357	4	1.2	12	1.1	39	18.4	54	53.5	488		3.05	14	0.6
TCH-2A 4490-4500	< 5	1.7	4.52	7.8	457	1	1.1	0.19	3.7	23	7.2	272	14.8	118		1.4	9	0.5
TCH-2A 4540-4550	6	4.2	3.8	9.9	300	2	6.2	0.53	12.7	30	8.4	280	6.7	153		4.28	10	0.5
TCH-2A 4590-4600	12	0.7	4.21	7.8	463	3	0.3	2.25	0.3	38	8	170	8.7	26.3		5.45	10	0.7
TCH-2A 4640-4650	9	9.2	4.88	6	356	3	17.8	7.54	28.9	47	9.6	212	19.6	57.2		3.71	11	0.6
TCH-2A 4690-4700	< 5	1	4.79	4	506	2	0.4	0.27	0.7	46	2.8	234	21.8	22.2		2.57	11	0.5
TCH-2A 4740-4750	< 5	0.5	4.29	3.3	502	2	0.5	0.32	1	32	3.7	224	12.6	47.4		2.35	10	0.5
TCH-2A 4790-4800	8	0.5	4.31	4.6	487	2	0.6	1	1	37	5.1	235	18.4	73		2.56	9	0.8
TCH-2A 4820-4830	12	40.4	2.89	5.2	164	3	49.2	5.64	8	42	7.6	199	6.9	705		4.68	8	1.9
TCH-2A 4830-4840	9	10.8	4.17	6.3	198	3	23.6	14.3	12.2	31	7.8	109	34.6	439		4.55	10	1.3
TCH-2A 4840-4850	7	2.4	3.59	3.5	368	1	3.4	13	4	30	4.4	112	11.9	81.3		1.68	7	0.4
TCH-2A 4890-4900	< 5	0.8	0.55	23	20	< 1	0.5	24.3	1.8	7	1.2	38	1.4	14.8		0.56	1	0.5
TCH-2A 4932-4937	6	1.4	2.59	3.2	332	1	2.2	9.07	2.6	28	5.4	203	2.4	82.5		1.24	4	0.3
TCH-2A 4940-4950	< 5	3.4	2.8	7.4	355	1	13.2	10.8	6.1	22	8.5	221	5.5	85.5		1.32	5	0.8
TCH-2A 4978-4985	< 5	1	0.56	10.2	11	< 1	0.4	21.5	0.7	6	0.8	33	0.4	51		0.37	1	< 0.1
TCH-2A 4985-4990	< 5	1.8	2.16	13.5	123	1	3.5	15.9	8.2	11	3.6	111	6.4	31.1		0.94	3	1.1
TCH-2A 4990-5000	< 5	0.6	0.25	3.3	21	< 1	0.2	23	1.4	4	0.7	38	0.6	18.8		0.26	< 1	< 0.1
TCH-2A 5010-5014	6	5.5	0.4	7.5	4	< 1	15.2	21.8	3.3	9	3.3	52	0.8	389		0.67	1	2.1
TCH-2A 5014-5020	11	8.3	1.16	36	21	< 1	16.3	8.88	8.8	2	12.8	56	6.8	1190		1.08	4	1.3
TCH-2A 5040-5047	< 5	1.1	1.36	7.1	205	< 1	2.9	14.6	1.4	9	3.2	71	5.4	48.7		0.97	3	0.9
TCH-2A 5047-5050	< 5	37.5	1.2	14.6	35	< 1	94	17	21.5	10	14.8	66	14.7	641		0.77	7	1.2
TCH-2A 5050-5055	< 5	5.7	0.61	13.3	4	< 1	13.1	17.9	29.1	3	21.9	97	2.7	493		0.54	3	0.5
TCH-2A 5055-5060	< 5	1.6	0.9	65.9	11	< 1	2.4	18.4	2.3	10	1.6	88	2	50		0.41	2	< 0.1
TCH-2A 5081-5086	< 5	5.8	1.51	13	63	1	10.2	13.3	12.6	12	7.8	79	12.3	363		1.17	5	1.9
TCH-2A 5090-5100	< 5	1.4	0.83	7.8	44	2	2	15.7	2	20	5.8	54	5.1	73.5		0.97	4	2

Analyte	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc
Units	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppb**	**%**	**ppm**	**ppm**
Limit	**0.1**	**0.01**	**0.01**	**1**	**0.1**	**0.01**	**1**	**0.1**	**0.01**	**0.1**	**0.1**	**0.001**	**0.1**	**0.1**	**5**	**0.05**	**0.1**	**0.1**
Package Code	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID																		
TCH-2A 4090-4100	1.9	0.1	4.95	45	18.7	0.31	3110	3.2	0.16	14.1	9.5	0.022	90.5	374	18	1.35	2	6
TCH-2A 4120-4130	2	4.06	3.11	510	21.6	0.26	6400	38.1	0.09	11.4	16	0.023	1950	258	34	19.9	80.5	6.4
TCH-2A 4130-4140	1.8	5.97	1.87	691	14	0.19	5600	9.4	0.06	10.4	23.3	0.065	2090	176	< 5	24.4	91	7.1
TCH-2A 4140-4150	2.2	13	3.58	1050	55.6	0.43	9960	76.3	0.08	15	18.6	0.1	4590	402	93	11.6	14.9	8.4
TCH-2A 4150-4160	1.6	2.41	4.93	156	43.2	0.29	> 10000	51.9	0.14	14.2	16.2	0.041	1900	328	59	10.8	39.8	8
TCH-2A 4190-4200	1.5	0.14	6.97	61	17.5	0.16	4590	3.2	0.24	15.3	8.8	0.041	156	368	16	2.02	1.8	8.6
TCH-2A 4240-4250	1.5	0.15	6.83	53	16.5	0.13	2120	2.5	0.22	14.6	7.8	0.043	102	379	9	2.07	1.9	8.3
TCH-2A 4290-4300	1	0.1	6.5	49	20.8	0.15	5070	3.2	0.21	12.6	8.3	0.043	255	358	< 5	1.57	3.7	8
TCH-2A 4300-4310	1.2	0.26	8.13	56	19.7	0.14	4460	13.4	0.25	14.4	9.8	0.054	1550	432	24	2.8	45.7	8.2
TCH-2A 4328.6-4329	1.2	1.5	10.8	21	4.8	0.06	259	4.9	0.29	16.1	8.1	0.051	1680	529	< 5	2.02	243	5.9
TCH-2A 4340-4350	2.3	2.79	1.12	98	37.6	1.3	> 10000	30.3	0.07	16.1	9.9	0.039	572	168	16	5.48	4.8	9
TCH-2A 4390-4400	4.5	0.38	0.95	33	43.8	1.56	> 10000	44.4	0.07	6.9	28.9	0.073	411	168	102	1.37	5.6	12.9
TCH-2A 4420-4430	2.2	0.45	0.58	21	76.7	5.08	> 10000	57.2	0.07	8.1	17.5	0.052	144	51.9	114	1.43	7.3	6.3
TCH-2A 4430-4440	1.8	0.12	2.92	21	89.1	4.58	9580	67.3	0.18	5.1	26.8	0.159	86.3	325	46	1.16	2.3	26.3
TCH-2A 4490-4500	1.3	0.05	3.81	12	25.4	0.34	755	6.8	0.1	9.9	23.4	0.042	939	258	16	0.99	2.8	5.6
TCH-2A 4540-4550	1	0.12	2.2	16	74.9	0.99	9130	20	0.08	9.2	37.6	0.041	1650	141	14	0.69	5	6.7
TCH-2A 4590-4600	0.9	0.04	2.31	21	72.3	1.36	> 10000	10.7	0.18	8.1	53.6	0.038	39.6	151	< 5	0.47	3.4	7.6
TCH-2A 4640-4650	2	0.19	2.65	25	77.4	1.71	> 10000	13.9	0.1	11.7	35.2	0.053	2440	214	33	0.84	2.8	8.5
TCH-2A 4690-4700	1.3	0.03	3.66	23	60.4	0.86	3200	2	0.1	11.5	21.6	0.053	124	226	7	0.09	1.1	7.9
TCH-2A 4740-4750	1.1	0.03	3.48	17	44.3	0.69	9340	2.6	0.11	9.6	20.5	0.041	179	213	< 5	0.33	1.1	6.8
TCH-2A 4790-4800	0.8	0.03	3.25	19	57	0.9	3950	2.5	0.1	9.7	21.5	0.044	160	216	11	0.52	1.6	7.1
TCH-2A 4820-4830	2.2	0.4	1.09	22	80.9	1.25	9020	52.7	0.05	7.6	25	0.04	1030	90.8	40	0.84	140	6.2
TCH-2A 4830-4840	2.1	1	1.48	16	58.1	1.82	> 10000	37.4	0.06	9	21.7	0.039	1150	162	22	0.79	2.7	6.9
TCH-2A 4840-4850	2.5	0.06	2.84	15	39.2	0.99	8920	12.8	0.08	7.7	18.9	0.033	443	200	45	0.47	2.2	5.6
TCH-2A 4890-4900	1.5	0.02	0.06	4	21.6	7.64	1440	0.9	0.05	1.7	6.4	0.006	572	4.7	18	0.28	6.8	2.3
TCH-2A 4932-4937	1.3	0.08	2.22	12	18.8	4.72	5080	64.4	0.11	7.3	15.6	0.042	425	112	80	0.31	1.4	3.8
TCH-2A 4940-4950	2	0.28	2.32	11	15.7	3.65	5190	33.4	0.11	5.7	16.6	0.045	184	143	28	0.48	3.5	4.4
TCH-2A 4978-4985	1.4	0.02	0.07	4	1	11.7	543	1.8	0.1	1.3	6.4	0.007	81.5	2.4	13	0.29	4.1	2.9
TCH-2A 4985-4990	4.2	0.04	0.38	6	15.5	11.3	4910	1.9	0.13	3.5	12.5	0.021	413	32	< 5	0.36	8.6	4.7
TCH-2A 4990-5000	0.8	0.01	0.08	2	1.5	14.4	542	0.9	0.12	1	4.7	0.009	53.6	4.1	20	0.38	1	2.7
TCH-2A 5010-5014	0.8	0.11	0.04	5	6.7	11.7	3220	0.7	0.09	0.8	7.8	0.012	599	1.2	8	0.47	4.5	2.7
TCH-2A 5014-5020	2.1	0.73	0.27	< 1	90.2	18.8	3400	38.6	0.22	7.2	13.9	0.006	660	32.8	31	0.82	9.1	4.8
TCH-2A 5040-5047	2.6	0.14	1.32	3	31.4	7.97	5750	38.2	0.13	3.7	11.2	0.029	40.5	86.9	86	0.25	3.4	2.9
TCH-2A 5047-5050	6	0.53	0.6	3	112	10.5	2030	3	0.13	5.2	15.3	0.023	2180	114	58	0.73	9.2	4.4
TCH-2A 5050-5055	2.5	0.72	0.08	1	18.8	11.5	1970	14.5	0.11	2.3	10.5	0.012	369	8.6	36	0.7	5.1	3.4
TCH-2A 5055-5060	3.7	0.02	0.05	5	6.2	10.1	1480	0.7	0.07	2.1	11.1	0.076	413	4	151	0.29	2.7	3.2
TCH-2A 5081-5086	4.5	0.3	0.64	5	56.6	11.7	4780	10.2	0.13	4.1	17.1	0.038	935	117	33	0.58	7.6	4.8
TCH-2A 5090-5100	4.1	0.22	0.31	9	36.2	10.8	6740	50.3	0.08	7.7	19.2	0.03	116	41.5	31	0.33	5.1	4.5

Analyte	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zn	Zr
Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	MULTI-ICP	ppm
Limit	0.1	1	0.1	0.1	0.1	0.005	0.1	0.1	2	0.1	0.1	1	%	0.1
Package Code	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	TE-5	0.01	TE-5
SAMPLE ID														
TCH-2A 4090-4100	4.2	39	1.1	0.1	12	0.167	3.1	6.5	33	8.3	16	381		53.5
TCH-2A 4120-4130	4.1	31	0.8	15.1	21.6	0.138	3.2	7.1	19	10.3	16.3	1970		55.6
TCH-2A 4130-4140	5.2	28	0.7	13	11.9	0.136	2.4	23.1	18	14.8	28.3	3120		53.3
TCH-2A 4140-4150	6.7	20	1.1	6.9	21.5	0.193	4.6	27.9	29	51.1	49.7	16200	1.62	69.1
TCH-2A 4150-4160	3.6	75	1	5.7	17.3	0.192	3.5	5.3	16	720	13.6	2070		53.6
TCH-2A 4190-4200	3.3	63	1.1	0.2	9.6	0.22	3.1	6.1	12	13.1	15.8	389		44.9
TCH-2A 4240-4250	3.5	60	1	0.4	12.4	0.208	3.6	5.1	12	9.7	15.4	231		46.9
TCH-2A 4290-4300	2.1	60	0.9	0.4	14.7	0.178	3.8	4.9	12	7.2	15.4	567		36.1
TCH-2A 4300-4310	2	90	1	3.2	19.9	0.208	4.1	4.9	10	12.3	19.5	2730		43
TCH-2A 4328.6-4329	1.1	84	1.1	2.2	17.6	0.223	4.2	8	4	24.9	45.2	4250		45.9
TCH-2A 4340-4350	3.2	85	1.1	1.8	27.1	0.216	1.4	3.4	17	67.2	51.5	723		67.7
TCH-2A 4390-4400	1.7	53	0.5	0.6	7.7	0.374	0.9	8.5	98	91.6	21.1	699		154
TCH-2A 4420-4430	1.2	63	0.5	0.2	3.7	0.241	0.5	4.6	54	12.7	18.3	298		63.9
TCH-2A 4430-4440	1.5	64	0.4	0.1	11.9	0.516	3.1	3.3	186	36.2	25.5	411		41.5
TCH-2A 4490-4500	0.6	32	0.7	0.2	3.3	0.357	1.8	2.8	36	73.5	6.5	991		36.3
TCH-2A 4540-4550	1.1	23	0.7	0.5	5.6	0.332	1.1	8.2	42	89.3	13.2	3540		29.4
TCH-2A 4590-4600	0.2	47	0.5	< 0.1	4.8	0.293	1.2	2.9	44	24.3	16.6	276		22.9
TCH-2A 4640-4650	0.5	44	0.8	0.6	8.5	0.405	1.4	13	58	127	19.5	8170		55.5
TCH-2A 4690-4700	< 0.1	46	0.8	< 0.1	5.2	0.396	1.4	7.9	46	119	10.4	364		32.1
TCH-2A 4740-4750	< 0.1	50	0.6	< 0.1	4.8	0.341	1.5	3.4	42	75.5	9.2	337		27.7
TCH-2A 4790-4800	< 0.1	47	0.6	< 0.1	6	0.349	1.4	6.1	41	94.1	9.2	410		22.7
TCH-2A 4820-4830	< 0.1	38	0.5	1.4	4.6	0.295	0.8	6.7	33	121	13.9	1930		64.1
TCH-2A 4830-4840	0.1	74	0.6	0.9	7.3	0.319	1	9.7	47	124	19.9	3520		61.8
TCH-2A 4840-4850	< 0.1	64	0.5	< 0.1	3.8	0.273	1.3	6.2	41	88.1	18.2	1280		84.2
TCH-2A 4890-4900	1.9	55	0.2	< 0.1	4.3	0.053	< 0.1	3	21	16	4.2	248		61.8
TCH-2A 4932-4937	< 0.1	49	0.4	0.4	1.9	0.274	0.6	2.3	27	1.9	16.1	813		37.9
TCH-2A 4940-4950	< 0.1	67	0.4	0.3	4	0.249	1.1	4.4	31	40.2	14.4	1910		65.2
TCH-2A 4978-4985	< 0.1	72	0.1	< 0.1	7.7	0.038	< 0.1	4.9	13	10.8	3.6	128		57.2
TCH-2A 4985-4990	4.4	12	0.3	< 0.1	6	0.141	0.2	4.2	34	2.8	8.2	2040		154
TCH-2A 4990-5000	< 0.1	73	0.1	< 0.1	2.8	0.019	< 0.1	4.7	15	4.2	2.3	208		33
TCH-2A 5010-5014	< 0.1	56	0.1	0.3	2.1	0.027	0.4	2.8	6	6.3	1.6	896		31.2
TCH-2A 5014-5020	< 0.1	12	0.3	0.2	3	0.069	0.7	2.5	8	21.5	1.9	3130		92.9
TCH-2A 5040-5047	2.5	28	0.3	0.3	3.7	0.142	0.5	3.9	57	1.6	8	505		89
TCH-2A 5047-5050	2.1	45	0.4	2.7	7.6	0.131	2.1	12.5	16	8.6	8.6	5880		231
TCH-2A 5050-5055	2	26	0.2	0.1	3.6	0.059	0.2	2.7	12	9.6	2.7	9270		104
TCH-2A 5055-5060	2	39	0.3	< 0.1	2	0.083	< 0.1	9.1	33	10.8	8.8	530		155
TCH-2A 5081-5086	1.6	29	0.4	0.2	3.2	0.151	0.7	7.6	27	2.4	9.1	2570		175
TCH-2A 5090-5100	2.2	9	0.5	< 0.1	1.9	0.213	0.2	9.1	16	3.4	9.9	658		155

Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge
Units	**ppb**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**
Limit	**5**	**0.1**	**0.01**	**0.5**	**1**	**1**	**0.1**	**0.01**	**0.1**	**1**	**0.1**	**1**	**0.1**	**0.1**	**0.01**	**1**	**0.1**
Package Code	**FA-01**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID																	
TM-13 190-200	104	2.8	7.75	12.8	948	2	1.5	2.49	2.9	65	31.3	195	9.1	519	7.03	20	1.1
TM-13 240-250	5	1.5	8.12	10.2	462	2	0.9	0.23	1.1	56	20.7	122	35.9	109	4.49	21	1
TM-13 340-350	20	1.6	7.56	11.1	> 1000	2	0.5	0.33	2	74	9.3	308	21.1	166	3.12	19	0.9
TM-13 1490-1500	< 5	0.7	7.57	7.9	309	2	1.7	0.95	0.5	81	12	274	17	83.9	6.03	19	1
TM-13 1540-1550	5	0.5	7.04	2	646	2	0.4	0.42	0.5	105	3.8	292	13.5	134	2.47	17	0.6
TM-13 1590-1600	< 5	0.6	7.06	15.9	578	3	1.5	1.6	0.6	109	3.6	353	17.8	340	2.72	18	0.9
TM-13 1640-1650	< 5	0.5	5.38	377	210	2	11.6	1.06	1.4	72	5.8	302	30	84.4	3	15	0.9
TM-13 1690-1700	< 5	0.6	5.97	< 0.5	672	2	0.9	2.06	1.3	91	2.9	352	13.5	118	2.16	14	0.8
TM-13 1790-1800	< 5	0.6	6.07	8.9	628	3	1.5	9.35	1.6	86	5.8	233	13.8	61.3	2.68	13	0.2
TM-13 1840-1850	< 5	0.5	6.06	9.8	585	2	0.9	4.16	0.6	75	4.1	345	21.1	134	2.43	14	0.6
TM-13 1890-1900	7	0.8	6.59	14.2	785	3	0.9	3.37	1.3	88	6.4	280	33	157	2.82	18	0.8
TM-13 1940-1950	< 5	0.5	6.68	4.3	398	2	1	0.77	0.4	91	5.5	409	9.9	114	3.46	17	0.7
TM-13 1990-2000	< 5	0.3	7.3	2	865	3	0.5	0.68	0.4	114	4	253	15.7	185	2.59	18	1
TM-13 2040-2050	< 5	0.4	7.51	4.8	502	2	1.2	0.7	0.4	104	7.9	406	6.3	161	4.45	20	1.2
TM-13 2090-2100	8	1.1	7.98	9	615	2	1	1.52	3	81	13.9	207	8.5	189	6.27	24	1.4
TM-13 2140-2150	< 5	0.5	6.56	8.6	250	2	0.8	2.1	0.5	42	25.9	466	15.1	142	7.52	19	0.9
TM-13 2190-2200	11	0.9	7.63	10.6	840	3	0.8	0.95	0.9	101	4.6	303	19.3	265	3.18	18	0.8
TM-13 2490-2500	< 5	0.7	7	1.6	378	3	1	1	0.5	100	19.3	405	28	294	3.22	22	1.9
TM-13 2540-2550	9	1.2	9.13	3.7	> 1000	3	0.7	0.5	0.7	132	3.4	207	29	112	2.89	27	1
TM-13 2590-2600	< 5	2	7.55	4.9	663	3	0.9	0.5	5.7	95	3.3	406	16.7	333	2.63	17	1.4
TM-13 2630-2640	< 5	1.7	7.39	5.4	> 1000	2	1.2	0.38	5.1	103	4.2	355	16.7	378	3.12	20	1.2
TM-13 2690-2700	< 5	4.4	7.63	6	> 1000	3	19.6	0.65	5.2	121	3.8	362	20.7	839	2.64	21	1.2
TM-13 2740-2750	< 5	3.6	7.99	13.6	> 1000	2	3.6	0.32	4	113	3.3	336	13.1	756	3.17	22	1.1
TM-13 2790-2800	< 5	0.8	7.73	5.1	> 1000	3	0.5	0.46	0.7	131	4	538	11.1	250	3.28	19	0.9
TM-13 2840-2850	< 5	0.7	7.68	3.9	931	3	1	0.33	0.5	102	3.7	328	9.4	261	3.37	19	1
TM-13 2890-2900	< 5	2.9	7.63	13.3	828	3	4.3	0.62	1.6	106	2.6	372	8.1	818	3.04	20	0.9
TM-13 2940-2950	< 5	1.2	8.02	4.9	981	3	2.1	0.54	1.4	108	3.3	350	10	299	3.07	21	1
TM-13 2990-3000	< 5	0.5	7.76	1.8	949	3	0.4	0.72	0.6	106	3.3	462	9.3	284	3.26	19	1
TM-13 3040-3050	< 5	0.4	7.98	1.1	881	3	0.4	0.8	0.7	109	3.8	400	7.3	294	3.37	20	0.9
TM-13 3090-3100	< 5	0.5	7.75	2.2	> 1000	3	0.6	1.13	0.4	108	4.2	431	17.5	248	3.42	22	1.4
TM-13 3140-3150	< 5	0.8	7.78	13	771	2	0.3	1.22	0.7	100	8.4	314	7.3	310	5.1	20	1
TM-13 3190-3200	< 5	6.7	7.58	5.5	500	5	3.4	0.33	1.5	101	3	74	29.1	580	2.78	21	1
TM-13 3240-3250	< 5	1.2	4.21	5.3	168	2	2	0.18	1.5	51	4.5	426	22.6	391	2.29	10	1.1
TM-13 3290-3300	< 5	0.6	6.21	< 0.5	745	3	0.3	0.98	0.5	102	2.7	288	25.9	164	2.34	19	1.1
TM-13 3340-3350	6	0.4	6.76	5.2	690	3	0.4	0.38	0.3	121	4.9	313	30.7	208	2.61	23	1.2
TM-13 3390-3400	< 5	0.4	6.05	2.9	820	2	0.5	0.17	0.4	109	5.4	404	18.6	192	2	18	1.3
TM-13 3440-3450	< 5	0.3	5.73	1.6	438	2	0.3	0.1	0.3	62	3.9	351	19.7	185	1.75	15	0.9
TM-13 3490-3500	7	0.3	6.14	3.4	640	3	0.2	0.1	0.3	91	3.1	311	28.4	203	2.06	17	1.2
TM-13 3540-3550	< 5	0.4	6.16	2.5	747	2	0.3	0.16	0.4	82	5.3	239	22.6	141	1.94	15	0.7
TM-13 3590-3600	< 5	0.5	7.59	3.6	638	3	0.5	0.16	0.5	94	4.8	38	48.3	78.4	2.21	25	1.2
TM-13 3640-3650	10	0.7	5.85	7.9	677	2	0.5	0.22	0.6	87	5.4	274	31.6	106	2.4	18	1.1
TM-13 3890-3900	11	5	3.73	35.4	485	1	2.4	9.66	18.9	80	8	124	13.6	97.7	3.29	12	0.1
TM-13 3925-3931	30	7.4	5.07	28.4	983	1	3.9	2.2	16.3	54	13.2	380	13.1	687	2.65	13	0.9
TM-13 3962-3972	24	7.1	4.38	40.7	477	2	14.8	1.33	9.5	38	8.7	463	35.9	550	2.39	14	1.1
TM-13 4040-4050	< 5	0.5	0.17	2.7	65	< 1	< 0.1	36.2	1.8	4	0.7	31	1.3	22.8	0.29	< 1	< 0.1

Analyte	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb
Units	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppb**	**%**	**ppm**
Limit	**0.1**	**0.01**	**0.01**	**1**	**0.1**	**0.01**	**1**	**0.1**	**0.01**	**0.1**	**0.1**	**0.001**	**0.1**	**0.1**	**5**	**0.05**	**0.1**
Package Code	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID																	
TM-13 190-200	5.1	0.22	3.12	33	28.6	2.99	8020	2.3	1.78	7.7	66.9	0.161	338	183	6	2.98	9.1
TM-13 240-250	4.9	0.11	4.7	29	9.4	0.46	276	1.4	0.19	8.4	54.3	0.052	232	300	< 5	4.89	4.5
TM-13 340-350	6.8	0.13	7.64	36	8.7	0.28	415	2.6	0.29	14.6	21.9	0.069	290	451	< 5	2.5	4.1
TM-13 1490-1500	3.2	0.05	1.9	40	26.8	1.23	886	1.3	2.02	6.6	20.7	0.25	42	154	< 5	6.4	3.2
TM-13 1540-1550	6.4	0.04	5.87	54	12	0.44	1080	2.3	1.15	11.3	16	0.032	34.9	276	< 5	1.85	2.5
TM-13 1590-1600	5.8	0.1	5.67	56	20.2	0.52	1320	9.6	0.64	11.6	14.3	0.034	65	317	6	2.33	4.2
TM-13 1640-1650	5.2	0.65	2.19	36	60	0.5	943	10.9	0.16	12.4	25.5	0.052	141	175	42	3.29	25.9
TM-13 1690-1700	6.1	0.05	4.96	47	77.5	2.79	1800	1.9	0.23	15.7	13.7	0.038	153	252	8	1.75	3.2
TM-13 1790-1800	5.5	0.21	3.79	44	48.1	2.09	6110	4.3	0.28	15	17.9	0.058	144	205	29	2.57	6.4
TM-13 1840-1850	4.5	0.12	3.97	38	48.8	1.65	2540	1.8	0.51	12.1	17.7	0.06	64.8	232	6	2.07	6.2
TM-13 1890-1900	6.5	0.11	5.12	45	36	1.35	3250	3.1	0.39	13.2	19.9	0.075	90.7	325	13	2.39	5.3
TM-13 1940-1950	4.1	0.03	2.46	46	18.3	0.8	800	1.4	3.2	7.8	16.4	0.148	30.2	134	< 5	3.12	2.7
TM-13 1990-2000	2.7	0.07	4.56	58	19.8	0.76	1020	2.4	1.56	9.3	14.7	0.038	41	288	7	1.27	2.1
TM-13 2040-2050	3.4	0.05	3.15	53	24.7	1.01	1160	1.8	3.77	8.3	20	0.161	20.1	150	< 5	3.56	2.6
TM-13 2090-2100	3.6	0.1	2.99	40	29.6	1.8	2210	2.8	3.96	10.9	30.9	0.238	300	156	< 5	3.09	4.9
TM-13 2140-2150	1.3	0.07	1.32	21	31.4	1.68	2250	1.8	3.72	5.2	49.5	0.131	26.6	84.5	< 5	5.11	4.2
TM-13 2190-2200	4.6	0.2	5.96	51	24.5	0.53	1070	3.3	2.08	13.8	21.5	0.036	42.1	327	5	1.71	3.5
TM-13 2490-2500	4.7	0.09	3.85	49	37.3	0.73	523	2.9	0.25	13.3	21.1	0.027	46.5	317	9	1.98	4.3
TM-13 2540-2550	5.5	0.15	7.6	67	18.7	1.01	3260	1.7	1.04	19.3	15.7	0.051	112	470	< 5	1.78	2.5
TM-13 2590-2600	3.4	0.21	3.98	46	20.7	0.68	1820	1.9	2.33	13.1	18.7	0.041	421	258	< 5	1.58	2.7
TM-13 2630-2640	4.1	0.91	5.46	52	18.4	0.5	2000	3.2	1.92	14.1	21.8	0.042	330	293	< 5	1.72	3.4
TM-13 2690-2700	6.4	1.4	6.45	63	24.6	0.6	2750	1.9	0.7	13.4	18.4	0.044	474	388	< 5	1.79	7.4
TM-13 2740-2750	5.1	0.88	5.73	56	12.6	0.46	1580	2.8	2.7	15	20.6	0.045	576	297	< 5	1.67	30.5
TM-13 2790-2800	4.9	0.12	6.07	67	9.9	0.38	1820	2.3	2.76	13.4	21.4	0.042	86	292	< 5	1.34	2.6
TM-13 2840-2850	3.9	0.14	5.28	51	12	0.51	1880	3.1	3.26	15.4	21.2	0.043	46.7	257	< 5	1.38	2.3
TM-13 2890-2900	3.7	0.33	4.68	53	16	0.47	2000	2.2	2.92	16.7	19.2	0.044	157	223	< 5	1.51	5.1
TM-13 2940-2950	4.4	0.27	4.96	54	11.9	0.46	1370	3.1	3.6	16.8	22.4	0.045	166	237	< 5	0.96	2.2
TM-13 2990-3000	4.5	0.09	5.17	53	15.3	0.5	1300	2.7	3.3	17	24.7	0.045	49.1	251	< 5	1.05	2
TM-13 3040-3050	4	0.12	4.37	55	11.3	0.37	939	3.4	4.29	17	25.1	0.045	51.2	198	< 5	0.84	1.9
TM-13 3090-3100	2.7	0.13	5.62	54	23.7	0.88	1240	2.4	1.96	15.2	22.3	0.044	44.3	383	< 5	1.32	2.6
TM-13 3140-3150	3.2	0.09	3.16	50	18.1	0.86	1390	3.5	4.19	14.3	28.8	0.177	175	140	< 5	1.86	10.3
TM-13 3190-3200	4.6	0.22	5.16	49	25	0.73	1640	2.4	0.68	16	15.8	0.023	235	455	6	1.37	3.8
TM-13 3240-3250	1.5	0.1	2.59	26	20.9	0.36	874	4	0.16	6.8	17.9	0.023	175	294	10	1.03	6.4
TM-13 3290-3300	4	0.06	4.75	58	17.4	0.47	566	2.6	0.51	12.2	15.1	0.015	68.8	406	< 5	1.08	2.1
TM-13 3340-3350	4.5	0.1	5.07	63	18.8	0.5	520	8.5	0.96	13.9	18.1	0.027	52.3	395	13	0.97	2.7
TM-13 3390-3400	2.9	0.08	5.93	57	16.2	0.21	293	8.5	0.19	13.5	16.8	0.026	43.4	392	20	0.78	4.2
TM-13 3440-3450	3.7	0.05	6.01	32	9.4	0.19	271	7.6	0.22	13.6	16.4	0.003	18	403	18	0.47	2.4
TM-13 3490-3500	4.9	0.06	5.79	48	20.8	0.31	335	6.5	0.35	13.9	16.5	0.014	29.5	434	7	0.61	3.6
TM-13 3540-3550	4	0.03	6.28	44	24.5	0.31	489	4.9	0.24	12	14.5	0.015	45.9	426	< 5	0.98	2.1
TM-13 3590-3600	3.6	0.09	5.64	49	23	0.47	697	5.1	0.22	14.7	11.7	0.036	50.4	521	< 5	1.6	3.5
TM-13 3640-3650	3.6	0.07	5.19	45	20.7	0.34	826	7.6	0.19	13	17.3	0.056	117	414	< 5	1.62	4.3
TM-13 3890-3900	4.7	0.18	2.65	43	77.6	4.08	> 10000	100	0.15	12.4	31.4	0.086	3950	185	80	0.94	9.9
TM-13 3925-3931	1.9	0.11	5.98	30	28	0.58	2950	44.8	0.26	8.9	38	0.17	1840	407	181	2.24	7.6
TM-13 3962-3972	3.6	0.34	3.96	22	34.3	0.71	3100	185	0.17	9.7	36	0.162	1300	337	249	1.4	6.9
TM-13 4040-4050	0.1	0.01	0.14	3	5.2	0.16	2250	3	0.05	0.5	5.7	0.009	56.2	11.7	9	0.26	1.2

Analyte	Sc	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Units	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
Limit	**0.1**	**0.1**	**1**	**0.1**	**0.1**	**0.1**	**0.005**	**0.1**	**0.1**	**2**	**0.1**	**0.1**	**1**	**0.1**
Package Code	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**	**TE-5**
SAMPLE ID														
TM-13 190-200	36.1	1.6	260	0.6	0.7	5.6	0.684	2.2	2.4	230	5.2	28.3	1210	206
TM-13 240-250	26.9	2.3	27	0.7	0.6	14.7	0.448	3.3	6.1	128	3.1	27.3	431	180
TM-13 340-350	19.6	3.1	89	1.1	0.9	18.4	0.391	5.4	5.5	48	6.8	29.8	614	247
TM-13 1490-1500	32.1	2.5	29	0.5	0.6	7.7	0.527	2.3	1.9	94	5.1	18.7	169	118
TM-13 1540-1550	13.9	2.1	39	0.9	0.2	31	0.181	4.4	6.4	3	4	18	180	216
TM-13 1590-1600	14.9	3.9	47	0.9	0.6	29.2	0.203	5.2	6.4	4	5.8	22.7	118	207
TM-13 1640-1650	13.3	10.3	29	0.9	0.7	14.8	0.292	32	8.2	63	55.5	23.7	222	181
TM-13 1690-1700	14.3	1.9	40	1.1	0.3	16.1	0.21	3.7	5.1	11	5.7	30.6	332	214
TM-13 1790-1800	19.1	3.6	76	1.1	0.4	18.4	0.345	2.9	7	48	8.3	46.1	395	189
TM-13 1840-1850	17.9	4.1	71	0.9	0.5	14.7	0.302	2.3	4.8	23	5.3	31	128	162
TM-13 1890-1900	18.4	3.2	77	1	1.2	18.7	0.351	3.8	6.3	49	8.5	34.2	408	237
TM-13 1940-1950	23.2	2	41	0.6	0.3	11.4	0.31	1.6	3.1	17	2.6	22.1	69	153
TM-13 1990-2000	19.3	3.5	55	0.7	0.2	14.1	0.143	2.7	2.6	3	4.9	27.7	59	91.4
TM-13 2040-2050	26.7	2.6	60	0.7	0.5	12.3	0.403	1.7	3.4	35	4.2	24.9	83	119
TM-13 2090-2100	37.3	3.8	98	0.9	1.4	10.8	0.788	1.6	3.2	110	7.5	41	886	130
TM-13 2140-2150	41.6	1.8	58	0.4	1.9	3.5	0.711	0.9	1.2	288	6.3	24	180	45.8
TM-13 2190-2200	16.1	3.5	69	1	0.5	29.1	0.246	3.1	6.4	15	8.3	23.7	235	164
TM-13 2490-2500	17.3	3.5	63	1	0.5	18.5	0.206	2.2	5.1	< 2	4	26.7	1100	156
TM-13 2540-2550	25.9	3.4	94	1.4	0.6	17.3	0.424	4.5	4.1	10	14.5	31.5	197	217
TM-13 2590-2600	20	2.7	62	0.9	0.1	13.6	0.293	2.8	3.4	< 2	6.9	20.9	1820	128
TM-13 2630-2640	20.9	3.5	72	1	0.7	14.2	0.313	2.9	3.9	< 2	10.9	27.9	1720	164
TM-13 2690-2700	22.6	3.1	60	1	1.6	15.6	0.303	3.6	4.3	< 2	17.2	22.9	1880	249
TM-13 2740-2750	23.5	4.7	71	1.1	0.5	16.3	0.341	2.7	4.4	< 2	28	32.5	1130	199
TM-13 2790-2800	22	3.2	101	1	0.1	15.5	0.305	2.6	3.8	< 2	6.4	41.6	133	178
TM-13 2840-2850	22.4	4.1	56	1.1	0.1	15.8	0.346	2.2	3.4	< 2	10.2	36.6	115	151
TM-13 2890-2900	21.7	8.8	54	1.2	1.3	15.6	0.366	1.9	3.9	< 2	30.5	40.7	539	146
TM-13 2940-2950	22.2	4	74	1.2	0.5	15.8	0.372	1.9	3.7	< 2	15.7	38.6	365	170
TM-13 2990-3000	22.1	4.2	82	1.2	< 0.1	15.3	0.371	2	3.4	< 2	5.9	45.1	123	176
TM-13 3040-3050	23	3.9	76	1.2	0.1	15.5	0.374	1.5	3.6	< 2	12.3	42.2	105	149
TM-13 3090-3100	22.7	3.8	104	1.1	< 0.1	14.2	0.34	2.5	3	< 2	3.8	41.1	101	98.4
TM-13 3140-3150	30.3	4.3	83	1	0.5	11.1	0.558	1.3	3	42	7.8	40.9	185	121
TM-13 3190-3200	21.1	4.6	54	1.2	3.1	15.8	0.238	3.4	4.1	5	7.4	36.7	483	166
TM-13 3240-3250	11.6	2.4	14	0.5	0.1	8.4	0.162	1.9	1.9	< 2	9.3	14.3	432	47
TM-13 3290-3300	13.2	2	38	1	0.3	19.4	0.184	3.1	4	< 2	5.8	20.5	712	140
TM-13 3340-3350	14.9	5.1	47	1.1	< 0.1	23.7	0.212	3.2	6	8	8.4	28.3	86	149
TM-13 3390-3400	11.5	3.1	47	1	0.1	18.8	0.163	3.5	6.5	< 2	5.7	26.1	120	99.7
TM-13 3440-3450	8.9	3	39	1.2	< 0.1	27.1	0.075	3.6	7.9	< 2	4.8	20.8	82	103
TM-13 3490-3500	12	6.3	45	1.1	< 0.1	27.4	0.14	3.6	8.5	7	3.9	24	76	169
TM-13 3540-3550	10.1	2	43	0.9	< 0.1	18.5	0.123	3.9	5.2	13	5.4	17.9	82	126
TM-13 3590-3600	14.6	6.1	38	1.1	0.2	22.2	0.219	3.8	5.7	39	12	27.2	186	118
TM-13 3640-3650	16.3	1.9	39	1	0.1	16.4	0.317	3.6	4.1	42	20.8	22.2	191	123
TM-13 3890-3900	23.7	3.5	96	0.9	0.2	8.9	0.407	2.4	7.2	128	74.9	26.4	3150	165
TM-13 3925-3931	11.3	2.8	132	0.7	2.7	12.6	0.292	5.8	5.8	86	49	13.8	2660	59.5
TM-13 3962-3972	16.6	3.8	69	0.7	0.9	11	0.328	3	16	139	91.7	15.5	1190	108
TM-13 4040-4050	3.4	0.6	160	< 0.1	< 0.1	0.5	0.016	0.2	4.8	26	3.4	4.5	343	3.9

Appendix 3

Analytical Certificates for the Author's Confirmation Samples

ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: APEX GEOSCIENCE LTD
200 - 9797 45 AVE.
EDMONTON AB T6E 5V8

Finalized Date: 12- MAY- 2012
Account: GEOAPE

CERTIFICATE RE12094708

Project: Regal
P.O. No.:
This report is for 7 Rock samples submitted to our lab in Reno, NV, USA on 1- MAY- 2012.
The following have access to data associated with this certificate:

ANDREW TURNER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- 21	Crush entire sample >70% - 6 mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

To: APEX GEOSCIENCE LTD
ATTN: ANDREW TURNER
200 - 9797 45 AVE.
EDMONTON AB T6E 5V8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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Finalized Date: 12- MAY- 2012
Account: GEOAPE

Project: Regal

CERTIFICATE OF ANALYSIS RE12094708

Sample Description / Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP61 Ag ppm 0.5	ME- ICP61 Al % 0.01	ME- ICP61 As ppm 5	ME- ICP61 Ba ppm 10	ME- ICP61 Be ppm 0.5	ME- ICP61 Bi ppm 2	ME- ICP61 Ca % 0.01	ME- ICP61 Cd ppm 0.5	ME- ICP61 Co ppm 1	ME- ICP61 Cr ppm 1	ME- ICP61 Cu ppm 1	ME- ICP61 Fe % 0.01	ME- ICP61 Ga ppm 10
12ATP001	0.98	0.072	8.1	2.72	106	500	<0.5	12	0.15	<0.5	2	15	>10000	1.23	10
12ATP002	1.18	0.007	1.8	4.95	54	90	<0.5	10	0.05	4.4	9	6	153	2.35	10
12ATP003	0.70	0.005	1.0	7.80	46	3680	1.7	7	0.02	<0.5	1	8	39	2.13	20
12ATP004	1.14	0.154	2.5	3.66	29	100	<0.5	4	0.03	<0.5	4	10	237	1.58	10
12ATP005	0.76	3.37	>100	1.49	959	90	<0.5	1320	0.05	3.3	46	7	>10000	13.95	<10
12ATP006	1.34	0.009	1.7	6.64	11	750	0.7	3	0.26	<0.5	15	5	59	3.21	10
12ATP007	0.34	0.046	7.4	2.69	3670	190	0.5	9	0.02	0.8	4	12	>10000	2.93	10

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Finalized Date: 12- MAY- 2012
Account: GEOAPE

Project: Regal

CERTIFICATE OF ANALYSIS RE12094708

Sample Description	Method / Analyte / Units / LOR	ME- ICP61 K % 0.01	ME- ICP61 La ppm 10	ME- ICP61 Mg % 0.01	ME- ICP61 Mn ppm 5	ME- ICP61 Mo ppm 1	ME- ICP61 Na % 0.01	ME- ICP61 Ni ppm 1	ME- ICP61 P ppm 10	ME- ICP61 Pb ppm 2	ME- ICP61 S % 0.01	ME- ICP61 Sb ppm 5	ME- ICP61 Sc ppm 1	ME- ICP61 Sr ppm 1	ME- ICP61 Th ppm 20	ME- ICP61 Ti % 0.01
12ATP001		0.24	40	0.01	25	22	0.24	1	690	156	1.44	45	4	730	20	0.42
12ATP002		0.86	30	0.01	26	11	0.23	4	410	495	4.59	22	4	313	20	0.09
12ATP003		3.72	20	0.37	377	2	0.05	<1	290	81	0.89	18	3	35	<20	0.13
12ATP004		1.32	10	0.05	74	21	0.03	2	260	107	1.08	9	3	161	<20	0.11
12ATP005		0.53	<10	0.13	106	24	0.05	12	90	>10000	>10.0	3200	2	8	<20	0.03
12ATP006		2.84	<10	0.04	63	14	3.59	2	190	104	3.42	21	<1	252	<20	0.04
12ATP007		1.15	20	0.07	83	37	0.03	<1	130	43	3.50	193	2	30	<20	0.16

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Finalized Date: 12- MAY- 2012
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Project: Regal

CERTIFICATE OF ANALYSIS RE12094708

Sample Description	Method	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	Ag- OG62	Cu- OG62	Pb- OG62
	Analyte	Tl	U	V	W	Zn	Ag	Cu	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	10	10	1	10	2	1	0.001	0.001
12ATP001		<10	<10	58	50	4		1.630	
12ATP002		<10	<10	22	10	929			
12ATP003		<10	<10	23	20	43			
12ATP004		<10	<10	30	10	41			
12ATP005		10	<10	46	10	1085	425	1.495	2.54
12ATP006		<10	<10	6	10	15			
12ATP007		<10	<10	19	20	268		1.195	

Appendix 4

Sequential (Cu) Leach Data For Historical Drill Core

BB Drillhole Sequential Leach Test Results

Hole ID	From (ft)	To (ft)	From (m)	To (m)	Interval (m)	Cu(As) (%)	Cu(CN) (%)	Cu(As+CN) (%)	Cu(T) (%)	Recovery (%)
BB-2	40	50	12.20	15.24	3.05	0.05	0.01	0.06	0.47	11.7%
BB-2	50	60	15.24	18.29	3.05	0.06	0.37	0.43	0.48	89.6%
BB-2	60	70	18.29	21.34	3.05	0.05	0.43	0.48	0.50	96.0%
BB-2	70	80	21.34	24.39	3.05	0.11	0.51	0.62	0.66	93.9%
BB-2	80	90	24.39	27.44	3.05	0.13	0.62	0.75	0.83	90.4%
BB-2	90	100	27.44	30.49	3.05	0.08	0.32	0.40	0.45	88.9%
BB-2	100	110	30.49	33.54	3.05	0.04	0.18	0.22	0.25	88.0%
BB-2	110	120	33.54	36.59	3.05	0.03	0.09	0.12	0.14	85.7%
BB-2	120	130	36.59	39.63	3.05	0.11	0.28	0.39	0.42	92.9%
BB-2	130	140	39.63	42.68	3.05	0.06	0.20	0.26	0.28	92.9%
BB-3	14	20	4.27	6.10	1.83	0.01	0.03	0.04	0.04	100.0%
BB-3	20	30	6.10	9.15	3.05	0.03	0.11	0.14	0.16	87.5%
BB-3	30	40	9.15	12.20	3.05	0.06	0.19	0.25	0.26	96.2%
BB-3	40	50	12.20	15.24	3.05	0.04	0.13	0.17	0.18	94.4%
BB-3	50	60	15.24	18.29	3.05	0.08	0.45	0.53	0.57	93.0%
BB-3	60	70	18.29	21.34	3.05	0.05	0.15	0.20	0.18	111.1%
BB-3	70	80	21.34	24.39	3.05	0.04	0.23	0.27	0.30	90.0%
BB-3	80	90	24.39	27.44	3.05	0.05	0.30	0.35	0.39	89.7%
BB-3	600	610	182.93	185.98	3.05	0.04	0.09	0.13	0.13	100.0%
BB-3	610	620	185.98	189.02	3.05	0.11	0.23	0.34	0.35	97.1%
BB-3	620	630	189.02	192.07	3.05	0.11	0.22	0.33	0.34	97.1%
BB-3	630	640	192.07	195.12	3.05	0.14	0.42	0.56	0.59	94.9%
BB-3	640	650	195.12	198.17	3.05	0.09	0.23	0.32	0.43	74.4%
BB-3	650	660	198.17	201.22	3.05	0.01	0.07	0.08	0.29	27.6%
BB-3	660	670	201.22	204.27	3.05	0.02	0.05	0.07	0.19	36.8%
BB-3	670	680	204.27	207.32	3.05	0.06	0.23	0.29	0.31	93.5%
BB-3	680	690	207.32	210.37	3.05	0.07	0.26	0.33	0.34	97.1%
BB-3	690	700	210.37	213.41	3.05	0.06	0.21	0.27	0.28	96.4%
BB-3	700	710	213.41	216.46	3.05	0.05	0.20	0.25	0.26	96.2%
BB-3	710	720	216.46	219.51	3.05	0.09	0.18	0.27	0.27	100.0%
BB-4	13	20	3.90	6.10	2.20	0.08	0.29	0.37	0.39	94.9%
BB-4	20	30	6.10	9.15	3.05	0.13	0.56	0.69	0.76	90.8%
BB-4	30	40	9.15	12.20	3.05	0.08	0.25	0.33	0.34	97.1%
BB-4	40	50	12.20	15.24	3.05	0.06	0.16	0.22	0.22	100.0%
BB-4	50	60	15.24	18.29	3.05	0.11	0.42	0.53	0.62	85.5%
BB-4	60	70	18.29	21.34	3.05	0.15	0.39	0.54	0.60	90.0%
BB-4	70	80	21.34	24.39	3.05	0.06	0.13	0.19	0.21	90.5%
BB-4	80	90	24.39	27.44	3.05	0.04	0.21	0.25	0.27	92.6%
BB-4	90	100	27.44	30.49	3.05	0.10	0.52	0.62	0.67	92.5%
BB-4	100	110	30.49	33.54	3.05	0.23	1.10	1.33	1.44	92.4%
BB-4	110	120	33.54	36.59	3.05	0.08	0.23	0.31	0.36	86.1%
BB-4	120	130	36.59	39.63	3.05	0.04	0.07	0.11	0.12	91.7%
BB-4	130	140	39.63	42.68	3.05	0.09	0.39	0.48	0.47	102.1%
BB-4	140	150	42.68	45.73	3.05	0.10	0.27	0.37	0.41	90.2%
BB-4	150	160	45.73	48.78	3.05	0.10	0.33	0.43	0.46	93.5%
BB-4	160	170	48.78	51.83	3.05	0.05	0.15	0.20	0.23	87.0%
BB-4	170	180	51.83	54.88	3.05	0.10	0.18	0.28	0.29	96.6%
BB-4	180	190	54.88	57.93	3.05	0.09	0.20	0.29	0.30	96.7%
BB-4	190	200	57.93	60.98	3.05	0.03	0.03	0.06	0.05	120.0%
BB-6	20	30	6.10	9.15	3.05	0.09	0.41	0.50	0.58	86.2%
BB-6	30	40	9.15	12.20	3.05	0.04	0.15	0.19	0.21	90.5%
BB-6	40	50	12.20	15.24	3.05	0.03	0.10	0.13	0.13	100.0%
BB-6	50	60	15.24	18.29	3.05	0.08	0.35	0.43	0.46	93.5%
BB-6	60	70	18.29	21.34	3.05	0.07	0.22	0.29	0.32	90.6%
BB-6	70	80	21.34	24.39	3.05	0.04	0.17	0.21	0.26	80.8%
BB-6	80	90	24.39	27.44	3.05	0.06	0.40	0.46	0.54	85.2%
BB-6	90	100	27.44	30.49	3.05	0.01	0.14	0.15	0.17	85.3%
BB-6	100	110	30.49	33.54	3.05	0.02	0.26	0.28	0.57	49.1%

Hole ID	From (ft)	To (ft)	From (m)	To (m)	Interval (m)	Cu(As) (%)	Cu(CN) (%)	Cu(As+CN) (%)	Cu(T) (%)	Recovery (%)
BB-6	110	120	33.54	36.59	3.05	0.03	0.10	0.13	0.15	86.7%
BB-6	300	310	91.46	94.51	3.05	0.03	0.29	0.32	0.39	82.1%
BB-6	310	320	94.51	97.56	3.05	0.02	0.18	0.20	0.24	83.3%
BB-6	320	330	97.56	100.61	3.05	0.03	0.30	0.33	0.38	86.8%
BB-6	330	340	100.61	103.66	3.05	0.02	0.18	0.20	0.28	71.4%
BB-6	340	350	103.66	106.71	3.05	0.02	0.52	0.54	0.65	83.1%
BB-6	350	360	106.71	109.76	3.05	0.01	0.08	0.09	0.12	75.0%
BB-6	360	370	109.76	112.80	3.05	0.55	4.22	4.77	4.68	101.9%
BB-6	370	380	112.80	115.85	3.05	0.07	0.39	0.46	0.49	93.9%
BB-6	380	390	115.85	118.90	3.05	0.08	0.86	0.94	1.03	91.3%
BB-6	390	400	118.90	121.95	3.05	0.09	0.92	1.01	1.13	89.4%
BB-6	400	410	121.95	125.00	3.05	0.06	0.88	0.94	1.17	80.3%
BB-6	410	420	125.00	128.05	3.05	0.05	0.53	0.58	0.76	76.3%
BB-6	420	430	128.05	131.10	3.05	0.04	0.40	0.44	0.53	83.0%
BB-6	430	440	131.10	134.15	3.05	0.07	0.55	0.62	0.76	81.6%
BB-6	440	450	134.15	137.20	3.05	0.19	1.35	1.54	1.76	87.5%
BB-6	450	460	137.20	140.24	3.05	0.02	0.14	0.16	0.22	72.7%
BB-6	460	470	140.24	143.29	3.05	0.04	0.14	0.18	0.25	72.0%
BB-6	470	480	143.29	146.34	3.05	0.06	0.19	0.25	0.32	78.1%
BB-6	480	490	146.34	149.39	3.05	0.09	0.27	0.36	0.43	83.7%

Appendix 5

Estimated Budget For Recommended Work At Sunnyside Project

Estimated Budget For Recommended Work At The Sunnyside Project.

Item		Unit Cost	Total Cost
PHASE 1			
Wages			
	Project Management/Supervision	20 days @ ~$750/day	$15,000
	Soil Samplers	4 x 20 days @ ~$400/day	$32,000
Geophysical Contractor			
	Contractor	~10 line-km @ est'd $20,000/km	$200,000
Assays			
	soil sample geochemistry	1000 samples @ $45.00/sample	$45,000
Misc.			
	miscelaneous costs		$8,000
	Sub-total		**$300,000**
PHASE 2			
Wages			
	Project Management/Supervision	60 days @ ~$750/day	$45,000
	Geologist and Geotech	60 days @ ~$900/day	$54,000
Drill Contractor			
		~20,000feet @ est'd $100/ft	$2,000,000
Assays			
	core sample analyses	~2000 samples @ $45.00/sample	$90,000
Misc.			
	miscelaneous costs		$11,000
	Sub-total		**$2,200,000**
	Total		**$2,500,000**