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**REPORT DISCUSSING THE GEOPHYSICAL AND PROPOSED DRILLING  
PROGRAMS**

**AT**

**GREAT WESTERN MINING CORPORATION, PLC**

**MARIETTA PROJECT**

**MINERAL COUNTY, NEVADA USA**

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**WTC**

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## SUMMARY

The geophysical program has consisted of interpreting low level aero magnetic data, infrared spectral imaging and ground-based induced polarization surveys. The program has disclosed six areas that are permissive for the occurrence of base and precious metals. A drilling program is planned to test two of these areas. The drilling program is estimated to cost \$(US)305 thousand and would require five weeks to complete.

## INTRODUCTION & SCOPE

Great Western Mining Corporation, PLC ("GWM") possesses the mining rights on 7,305 hectares of mineral lands in Mineral County, Nevada USA, 32 kilometers SW of the town of Hawthorne. The area has produced copper, gold, silver and saline salts since the mid to late 19<sup>th</sup> Century. One of the more significant operations was at the camp of Candalaria, located 30 KM east of GWM's property holdings. Here approximately 2,375 tonnes of silver were recovered from 1863 to 1997.

There are numerous exposures of high grade copper mineralization in the district and at least five are on the property controlled by GWM. Samples and metallurgical tests reveal that the copper is readily soluble in sulfuric acid, with low acid consumption. As such, these occurrences are attractive targets for exploitation by open pit mining and heap leaching.

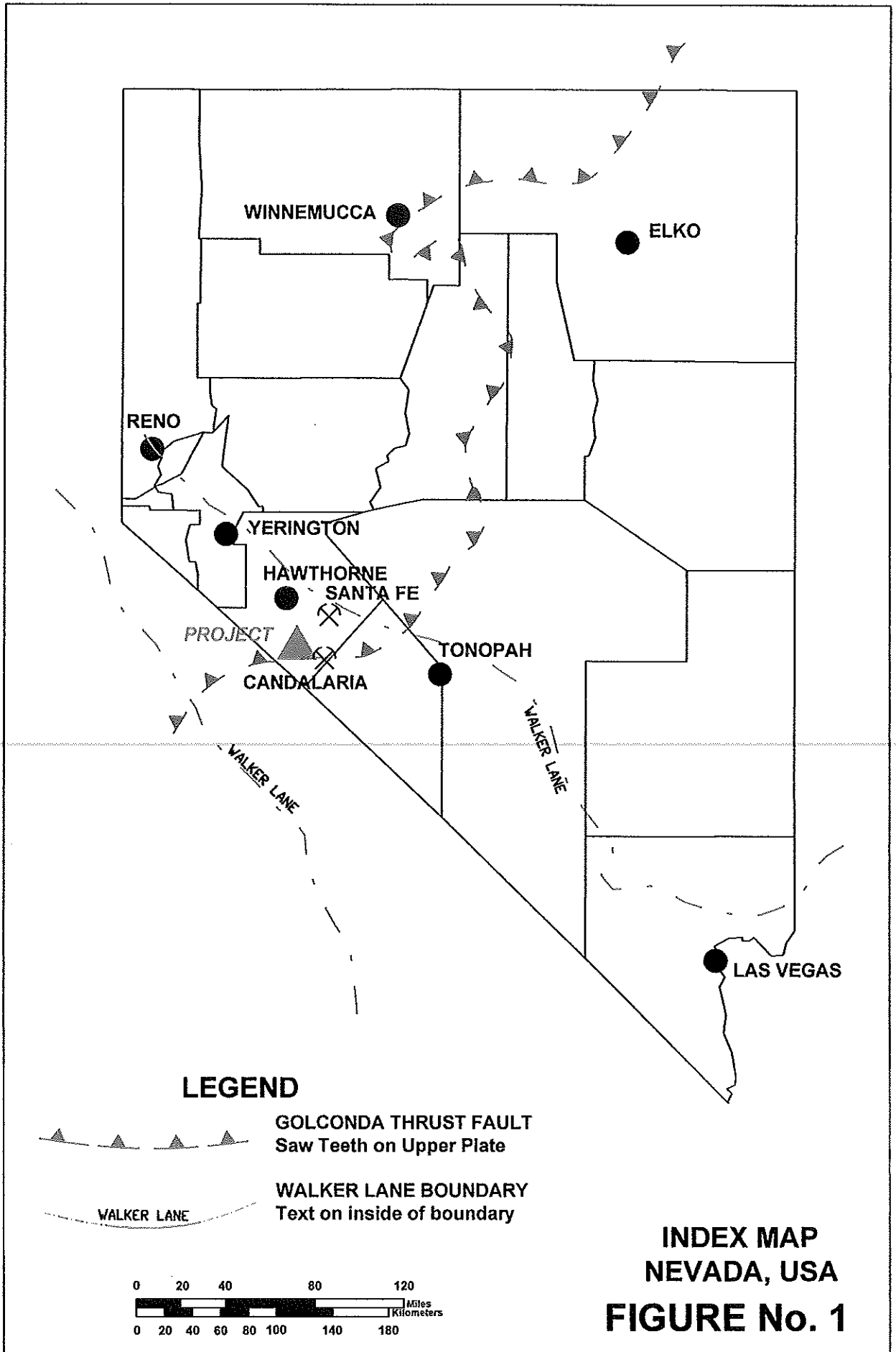
This report discusses the geophysical programs completed as at this date and a brief drilling program intended to test two of the six geophysical target areas discovered by the work to date.

## GEOPHYSICAL PROGRAM

The geophysical program consisted of three separate tasks:

- (1) Interpretation of low level aero magnetic data.
- (2) Spectral interpretation of high altitude infrared imagery (ASTER).
- (3) Ground based induced polarization/resistivity surveys.

Task No. 1 utilized public domain data that had been acquired during the 1999-2001 period. The study area covered 432 square kilometers,, centered on GWM's property blocks. The study identified ten areas of geological interest with respect to the possible location of large disseminated sulfide copper ("porphyry copper") occurrences. Six of these targets are located on lands controlled by GWM,



Task No. 2 consisted of identifying areas of hydrothermal alteration by the spectral processing of high altitude infrared imagery, known as ASTER imagery. The acronym "ASTER" refers to "Advanced Space-borne Thermal Emission Reflectance Radiometer" and the data are available from the National Aeronautics and Space Administration ("NASA") Jet Propulsion Laboratory website at <http://asterweb.jpl.nasa.gov/>.

The project required the interpretation of visible and near infrared short wave infrared and thermal infrared spectra data. Seven "clay" alteration minerals, iron oxide and silicification alterations were identified at 16 separate locations of which 6 (considered to be the most important) are located on property controlled by GWM. The most significant area found is at a location that shares many geologic features that are similar to those extant at the mining camp of Candalaria. Drilling is planned for this area.

Task No. 3 consisted of conducting ground base induced polarization ("IP") and resistivity surveys at two anomalous areas that had been identified by the results of Task Nos. 1 & 2.

The project consisted of surveying five lines at each location for a total of ten lines aggregating 25 kilometers in length. The first project area was in the northwest portion of the main property block, known as the "Black Mountain" claim group. Here five lines, each 2.4 kilometers long were established along a NW direction and spaced 600 meters apart with the detectors spaced 150 meters apart. Data were acquired using a transmitted frequency of 0.125 Hz.

The lines were oriented to cross cut a suspected high angle structure (normal fault?) along which occurrences of high grade oxidized copper mineralization were known to occur. The survey succeeded in identifying the structure and an anomalous zone suggesting the presence of sulfide mineralization, possibly copper and/or precious metals at a depth of 300 meters.

The second area of investigation was at the SW portion of the same property block. It was centered on a strong magnetic low and significant surface alteration, (ASTER Anomaly A4), that was identified in Tasks 1 & 2. In addition, a significant occurrence of high grade oxidized copper mineralization is found in the same area. This copper occurrence has been named the "Double Prospect". A series of five lines, aggregating 14.1 kilometers in length were surveyed. The lines were oriented in a N-S direction. The initial three lines were placed on 1,500 meter spacing, with the center line being extended south to survey an ASTER alteration anomaly, No. A5, associated with the westward projection of the Golconda Trust Fault (one of the significant geologic features at Candalaria).

The westerly most line disclosed the presence of a significant IP anomaly at a depth of 300 to 400 meters. This line was then off set in each side by parallel survey lines, 600 meters distant. The surveys confirmed the presence of an IP anomaly, commencing at a depth of 150

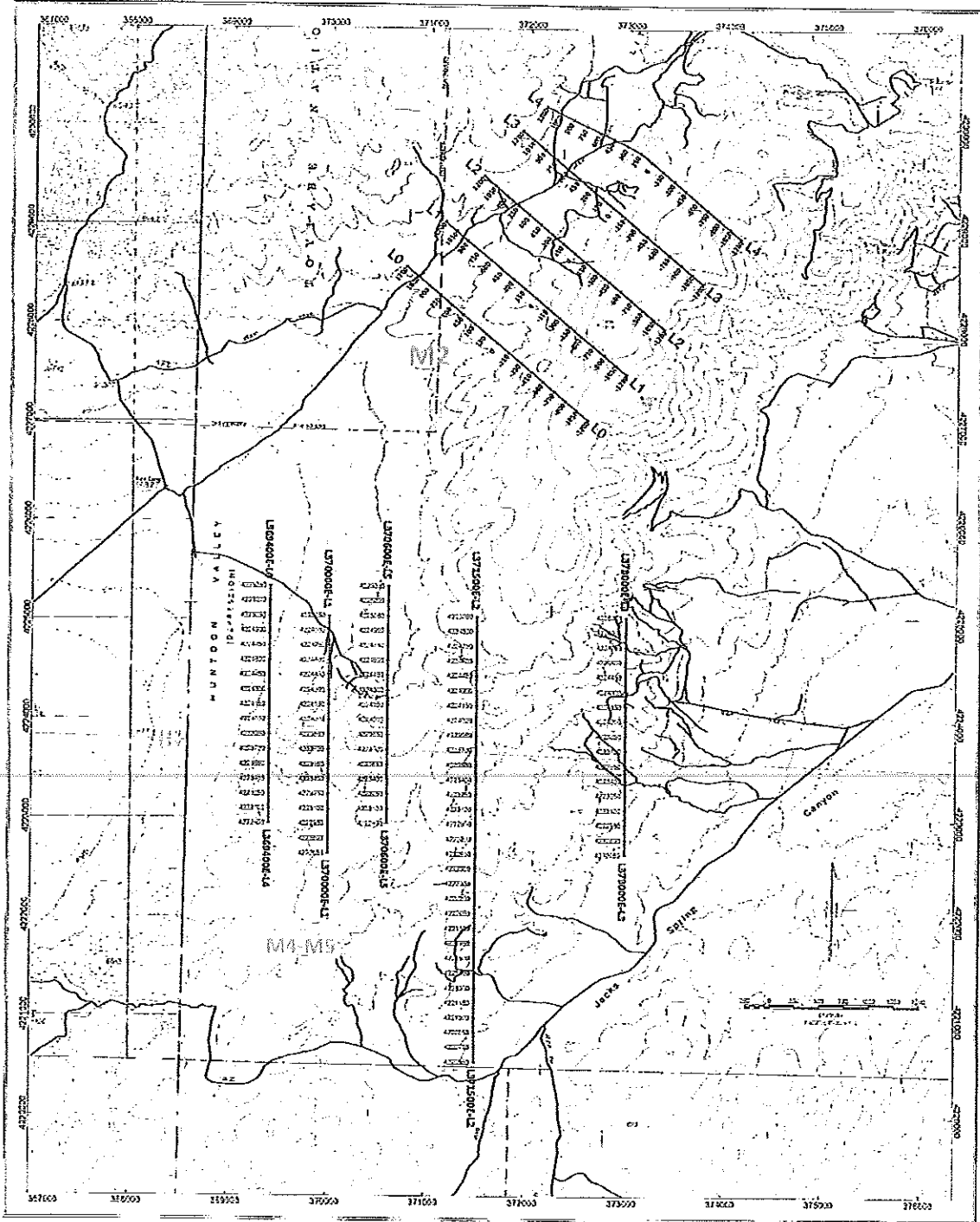
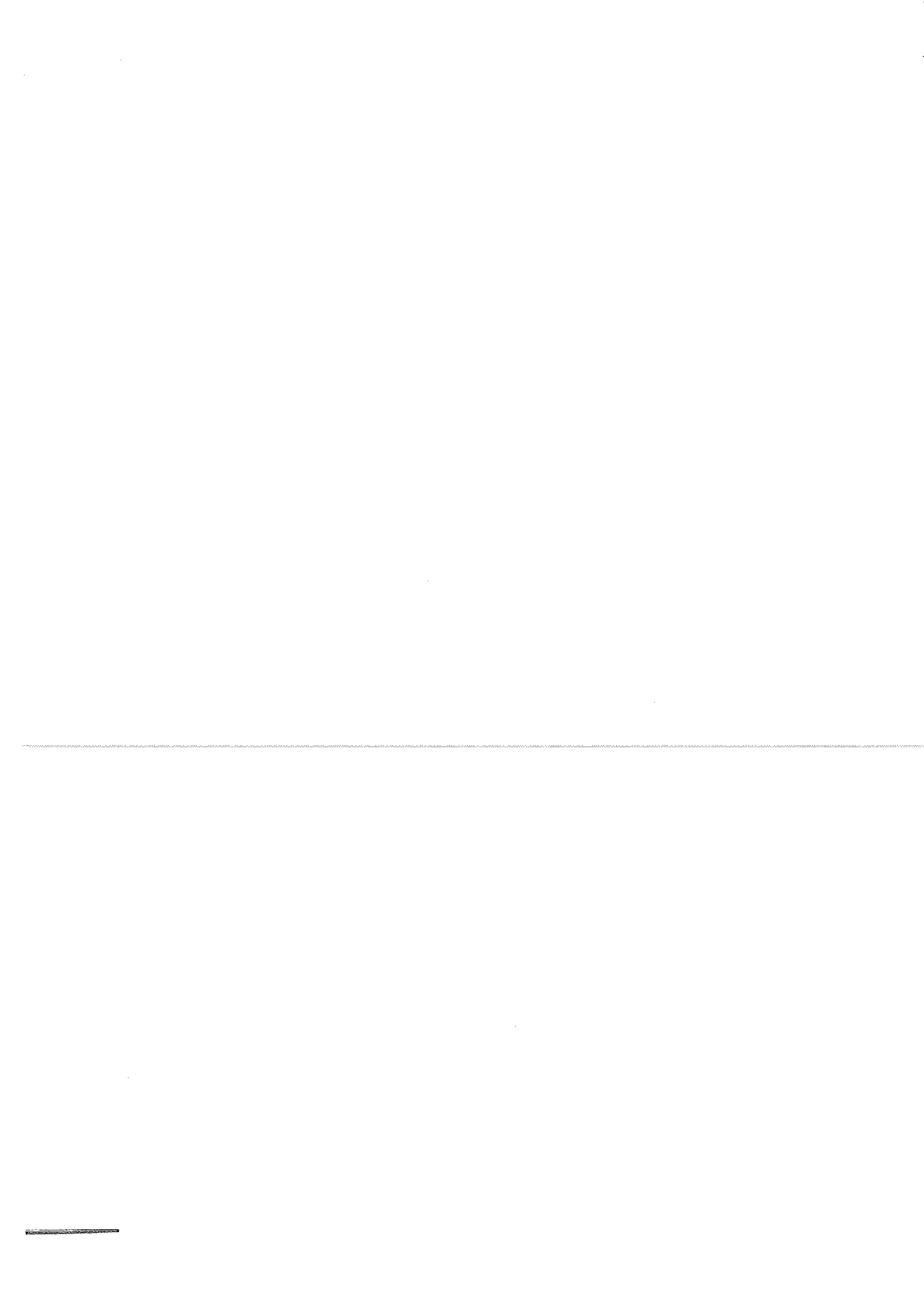


Figure 1: Line location map.

FIGURE No. 3



3

4226000N -

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4225000N -

4224000N -

4223000N -

4222000N -

4221000N -

4220000N -

3



meters and reaching its maximum intensity at a depth of 400 meters. The anomaly appears to be centered 190 meters west of the Double Prospect and appears to have a WSW trend. A deep drill hole is planned here to test this anomaly, as the strong IP response and magnetic low are permissive of the occurrence of a large body of sulfide mineralization hosting copper and/or precious metals.

## DRILLING PROGRAM

A program comprising six holes is planned for two separate locations; the Double Prospect and the A6 Anomaly areas. Three holes are planned at each location. The drilling method will be reverse circulation rotary ("RCR"), collecting chip samples on 1.52 meter intervals. The drill hole diameter will be 10 centimeters and the bailing method will be with high velocity compressed air. A high pressure down the hole hammer will be used to advance the hole. The program is estimated to cost \$(US)305 thousand and require five weeks to complete, viz:

**Table No. 1: WTC Estimate of Drilling Program Costs,\$(US)**

<u>Cost Center</u>	<u>Cost \$000's</u>	<u>Unit Cost, \$/foot</u>
Mobilization	24.8	8.28
Road & site construction	12.2	4.06
Haul & store water for drilling	9.8	3.27
Drilling	<u>170.7</u>	<u>56.71</u>
Total contractor costs	217.0	72.32
Company Costs		
Labor (ex GWM personnel)	46.1	15.36
Assaying	15.8	5.27
Other materials	2.4	0.80
Expense (travel & misc.)	<u>23.5</u>	<u>7.82</u>
Total company costs	87.8	29.25
Total Program Cost	304.8	101.57

## DRILLING AT DOUBLE PROSPECT

A program comprising two shallow 122 meters holes angled at 60° below horizontal is planned to test the vertical and lateral continuity of the oxidized copper mineralization at the Double Prospect. A third, deeper, vertical hole will be drilled 190 meters west of the Double Prospect to test the IP anomaly. The total depth of this hole is planned to be 427 meters.

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The total scope of work is 671 meters of drilling and 1,460 meters of new access road construction.

#### DRILLING AT A6 ANOMALY AREA

Three vertical holes, each 122 meters deep are planned for this area. The purpose is to test the lower unit of the Candalaria Formation in the vicinity of the Golconda Thrust Fault. The local geology is similar to that at the prolific silver camp of Candalaria, which is located 24 Km east of the project area.

Aster imagery interpretation has identified a broad area of intense iron oxide alteration on surface and which is bounded by the E-W trending Golconda thrust fault on the north and a NE trending structure on the south. The holes will be drilled along a NW-SE fence and spaced 244 meters apart. The total scope of work at this area comprises 366 meters of drilling and 1.83 kilometers of new access road construction.

W T Cohan, P.Eng.  
5 November 2011

## REFERENCES

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- Cohan, W T, 2011, **Summary report of the Mining Properties of Great western Mining Corporation, PLC in the Black Mountain and Huntoon Valley Mining districts, Mineral County, Nevada, USA, June 2011**, private report prepared by W T Cohan & Associates, Inc., Grand Junction, Colorado, USA, 2011.
- Du, Ming-Ho and Ludwig, Chris, 2010, **Great Western Mining Corporation, PLC, ,Marietta, Mineral County, Nevada, USA Project, ASTER AND Aerial Magnetic Survey Interpretations, November 2010**, private report by Image2 Map Services and Christopher Ludwig, Consulting Geophysicist Highlands Ranch, Colorado, USA, 2010.

## **CERTIFICATE OF QUALIFICATIONS**

I, William T. Cohan, hereby certify that:

1) I am a consulting mining engineer in the employ of W T Cohan & Associates, Inc. whose business address is at 2293 Broadway, Grand Junction, Colorado 81507, U.S.A.

2) I am a graduate of South Dakota School of Mines and Technology with a Bachelor of Science (w/Honors) degree in Mining Engineering in 1955.

3) I am a Registered Professional Engineer in the States of Colorado, #11954, and Nevada, #6955 (Mining), a Registered Geologist in the State of California, #2523, and a Registered Water Rights Surveyor in the State of Nevada, #868.

4) I am a member of the Society of Mining Engineers of AIMME (Legion of Honor), the Canadian Institute of Mining & Metallurgy, Society of Economic Geologists, Society of Ground Water Scientists and Engineers of the National Ground Water Association, and the National Society of Professional Engineers.

I am a qualified mining engineering expert witness and a Qualified Person as defined by Canadian National Instrument 43-101.

5) I have practiced my profession since 1955 in the states of Arizona, Arkansas, California, Colorado, Montana, Nevada, Oregon, South Dakota, Texas, Utah and Wyoming, and in the countries of Australia, Canada, Ghana, Kazakhstan, Mexico, Pakistan, the Republic of South Africa and the Ukraine.

6) I have held positions responsible for managing mine development and production, mine engineering management and mineral exploration. This includes four years with Newmont Mining Corporation and 21 years with Union Carbide Corporation. I have been a mining consultant since 1980.

7) The statements contained in this report and the conclusions reached are based upon my review of published and unpublished data made available by Great Western Mining, PLC and the Ike Williams Mining & Milling Company. I have periodically inspected the property on behalf of Ike Williams Mining and Milling Company at various times from 1981 until 1989. I examined the property on behalf of Great Western Mining, PLC on July 7 – 11, 2008. I have reviewed the data listed under the references contained in this report.

8) I have no interest, nor have I ever held an interest, in the Black Mountain Group or Huntoon District properties nor do I own securities in Great Western Mining, PLC.

9) I hereby consent to the use of this report in a Prospectus or Statement of Material Facts or other such filings as may be required.

Dated this 5th day of November, 2011.

