

# **TECHNICAL REPORT ON THE MAHTIN PROPERTY RED MOUNTAIN AREA, YUKON**

**Dawson Mining District, Yukon**

**Location:** 1. 120 km SE of Dawson City, Yukon  
2. NTS Map Area 115 P/15  
3. Latitude: 63° 55'N  
Longitude: 136° 49'W

**Claims:** MAHTIN 1-15 YA23544-YA23558  
MAHTIN 16-34 YA28827-YA28845  
MAHTIN 37-120 YA30423-YA30506

**For:** International Gold Resources Inc.  
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**May 08, 2006**

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## 1. SUMMARY

The Mahtin Property is an exploration target for Tombstone Suite plutonic-related gold mineralization. Mahtin is in the McQuesten mineral belt between Dawson City and Mayo. It is an under explored mineral occurrence amongst many that have seen extensive exploration. It is also the only Tombstone Suite stock intruding calcareous Rabbitkettle Formation.

Brewery Creek is on the western end and Dublin Gulch and Keno Hill at the eastern end of the McQuesten mineral belt. The entire Tombstone gold belt extends for some 2000 kilometres across Yukon and Alaska. It hosts deposits located at Donlin Creek (23 M oz Au), Fort Knox (5.4 M oz Au), in Alaska. In the Yukon, Brewery Creek (0.85 M oz Au), and Dublin Gulch (4.1 M oz Au) both located in the same belt as the Mahtin property.

The Mahtin property was held by a prospector from 1988 through to 2002 and very little work was performed on the property. Since 2003, additional soil and rock sampling geochemical analyses and a magnetometer and IP survey were carried out. This work confirmed the previous data from the early 1980's and significantly enhanced the property.

Coincident gold, arsenic, antimony and bismuth soil geochemical anomalies are located along the contact between the Sprague Creek quartz monzonite and Rabbitkettle Formation calcareous siltstones which has a well developed calc-silicate skarn developed over a 4 km by 2 km zone. This area also shows a strong magnetic high over the area of calc-silicate skarn and has returned three samples that assayed 4-6 gm/t gold.

An airborne VTEM survey followed by a 1000 m core drilling program is warranted and recommended for the Mahtin property at an estimated cost of \$400,000.

## **2. INTRODUCTION AND TERMS OF REFERENCE**

This report was prepared at the request of International Gold Resources Inc. Its purpose is to assess the property's economic potential and to satisfy the standards of disclosure for mineral projects under National Instrument 43-101 through a description of exploration work carried out on the Mahtin Property in 2003 and 2004.

R. A. Doherty, P. Geo., visited the property in 2003 while soil sampling and geophysical surveys were being completed. Chris Ash P. Geo. visited the property in late 2004 while a soil sampling and trenching program was being completed.

Exploration work carried out in 2003 and 2004 on the Mahtin Property consisted of grid soil sampling, rock sampling, Magnetometer and IP Surveys over the known geochemical anomalies and prospective geology. Ryanwood Exploration Inc completed both exploration programs.

A crew from Ryanwood Explorations Inc. carried out the work, between September 1-12, 2003 and August 2004. Al Doherty of Aurum Geological Consultants Inc. supervised the exploration work during the 2003 program and visited the property on September 10, 2003. Chris Ash, P. Geo., of CASH Geological Consulting conducted a property visit in 2004. Both authors' of this report are Qualified Person for the purposes of NI 43-101.

## **3. DISCLAIMER**

**Although silt and soil analytical data, derived from pre NI43-101 assessment reports by Paul 1981, Paul and Rota 1981, Hulstein 1989, and Bassnett 1989, have been compiled on figures in this report. It is our opinion that the data is accurate. All work reported on was conducted and reported to the standards at that time. In reviewing, referencing and reporting on property data, neither of the author's has, to his knowledge, relied on the opinion or statement of other experts who are not qualified persons.**

**The authors have made no attempt to verify the legal status and ownership of the property claims, nor are they qualified to do so. The information regarding property title and ownership was obtained from the Yukon Government claim titles web site. The author saw no evidence to suggest that it is not correct.**

#### 4. PROPERTY DESCRIPTION AND LOCATION

The Mahtin claims are located 135 km east of Dawson City, Yukon (Figure 1). The claims are all contiguous covering an area of 2470 ha, centred at approximately 63° 55' N latitude and 136° 49' W longitude within NTS map area 115 P/15.

The property consists of 118 Mahtin Claims 100% owned by Shawn Ryan of Dawson City, Yukon, and currently under an Option Agreement to International Gold Resources Inc. The unsurveyed two-post quartz claims (Figure 2), were staked in accordance with the Yukon Quartz Mining Act. All the claims are in the Dawson Mining District; current claim status is shown on Yukon Quartz Sheet 115 P-15. At the date of this report, Mining records show all claims registered to Shawn Ryan. Expiry dates for the claims are in 2007, 2008 or 2012, as indicated on Table I.

In accordance with the Yukon Quartz Mining Act, yearly extensions to the expiry dates of quartz claims are dependent upon conducting \$100 of work per claim or paying the equivalent cash in lieu of work. Work must be filed in the year the work was completed. Excess work can be used to extend expiry dates up to maximum of four years. Assessment costs can be applied to adjoining claims through filing grouping certificates. Filing a statement of work and costs and submission of an assessment report to the Dawson Mining Recorder verifying completion of the work, are also required no later than six months after the anniversary date of the claim. YESAA is the Yukon Environment and Socio-economic Assessment Act which came into force on November 20, 2005. Under the act, the Yukon Environmental and Socio-economic Assessment Board (YESAB) was set up to assess the environmental and socio-economic impacts of any projects which exceed well defined thresholds under the act. In the case of exploration drilling projects, a trigger would be having a camp with more than 10 persons or a camp occupied for greater than 250 man days.

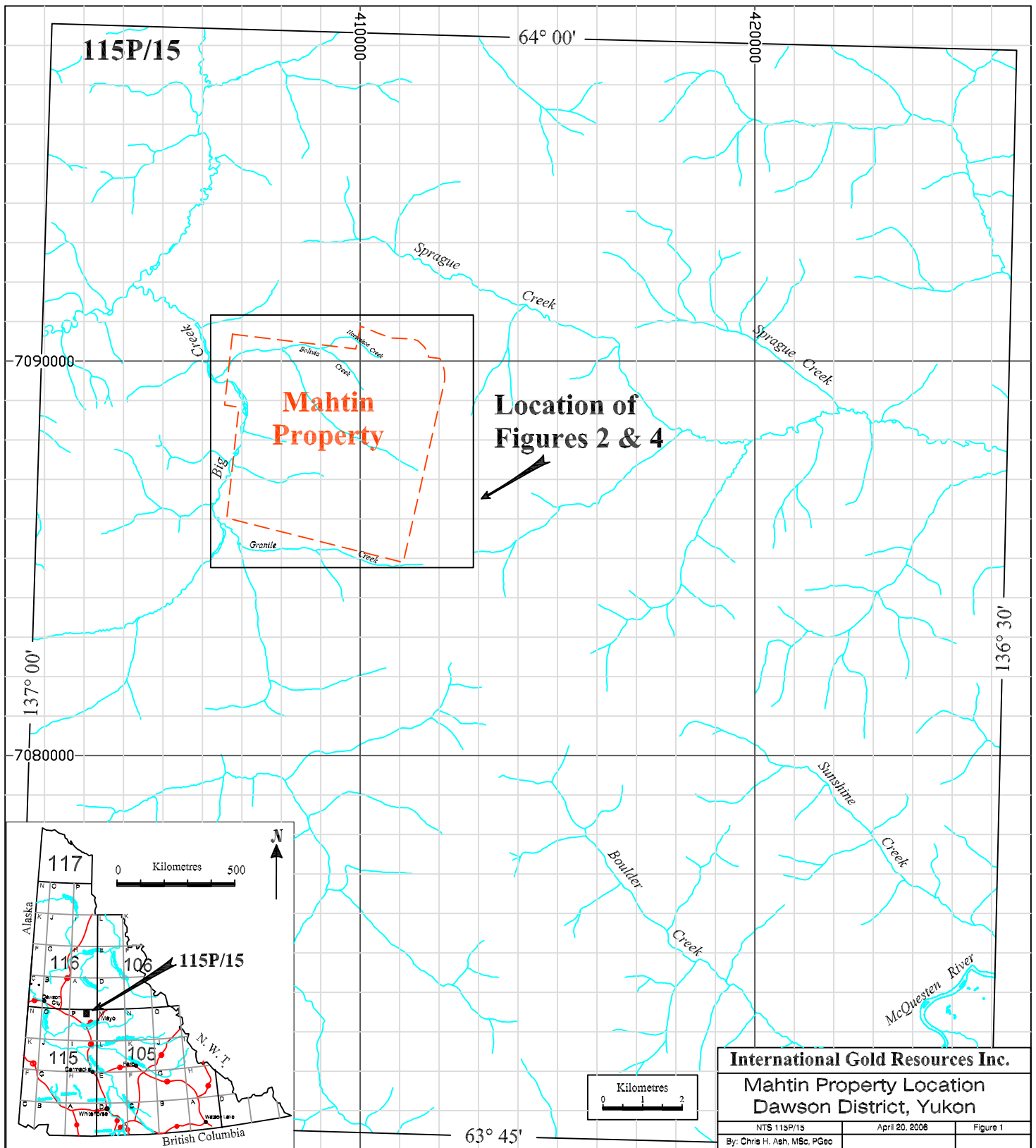
The claim data as of May 2006 are as follows:

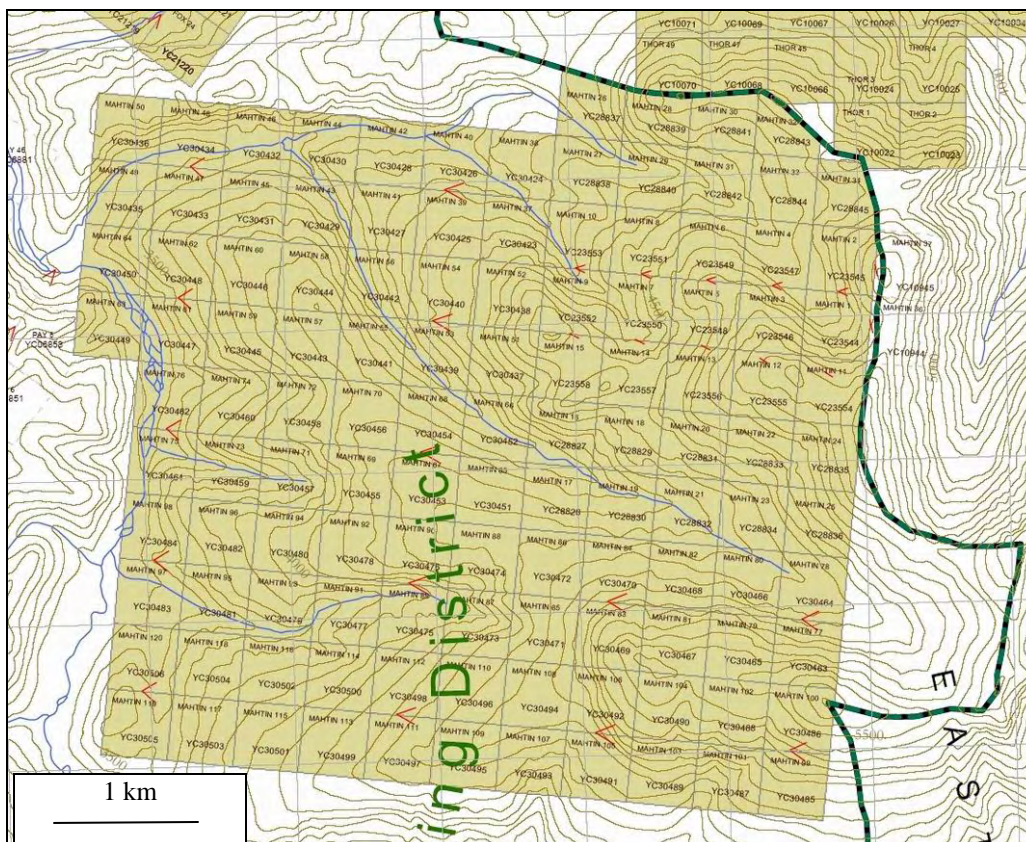
**TABLE 1. INTERNATIONAL GOLD RESOURCES INC. - MATHIN OPTIONED CLAIMS**

Claim Name	Claim Numbers	Grant/Record Number.	Mining District	Operation Recording Date	Claim Expiry Date
<b>Mahtin</b>	<b>1-15</b>	<b>YC23544 - YC23558</b>	<b>Dawson</b>	<b>2003-01-30</b>	<b>2012-01-30</b>
<b>Mahtin</b>	<b>16-34</b>	<b>YC28827 - YC28845</b>	<b>Dawson</b>	<b>2003-09-12</b>	<b>2007-09-12</b>
<b>Mahtin</b>	<b>37-120</b>	<b>YC30423 - YC30506</b>	<b>Dawson</b>	<b>2004-04-08</b>	<b>2008-04-08</b>

Above information obtained from the Yukon Government, Department of Energy Mines and Resources web site March 19, 2006.

The claims are located within the Traditional Territory of the Nacho Nyak Dun First Nation, which has a land claim settlement Agreement under the Yukon Umbrella Final Agreement.





## International Gold Resources

## Mahtin Property Claim Map

NTS: 115P/15

By: Chris Ash, MSc, P Geo

Aprilt. 2006

Figure 2



## **5. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY**

Access to the property is by helicopter, based in Mayo 55 kilometres to the southeast. Alternatively, helicopters are available in Dawson City. The Clear Creek Road, which connects to the Klondike highway (#2), provides four-wheel drive road access to the area. The road is 4 kilometres north of the Mahtin claim block. The Clear Creek Road is not maintained and is usable only during the summer months.

The Mahtin Claims are situated in the partly unglaciated Stewart Plateau. Although Pleistocene glaciation scoured the major drainages in the area such as Sprague Creek, most of the property, higher elevations in particular, escaped the effects of glaciation. Topography is moderate to rugged and is characterized by rounded hills, ridges and a dendritic drainage system. The claims cover the north end of the East Ridge, on the boundary of the Dawson and Mayo Mining Districts. Elevations on the property range from 1200 m (4000') at Horseshoe Creek to 1680 m (5500') at the highest point on the East Ridge. Outcrop exposure is fair (approximately 20%) with almost no exposures on lower ridge slopes and forested areas. Most of the property is covered by felsenmeer and talus fines.

An interior continental climate with precipitation of about 31 cm annually, warm summers and cold winters typifies the area. Permafrost is common, especially on the steeper north and east facing slopes and lower forested areas. Most of the property is above treeline. Below 1200 m (4000') elevation ground cover consists of alpine fur, sparse spruce forest, alder, dwarf willow and birch. The area above treeline is mostly lichen-covered rock with sparse moss and alpine plant cover.

The Town of Mayo (Population 418) is the closest centre for obtaining groceries, fuel, accommodation and some limited rental and contracted exploration services. Trans North Helicopters maintains a summer helicopter base at Mayo airport and there is normally a single engine Otter on floats working out of Mayo. Mayo is also the location of the Mayo District Mining Records office, and Mining Land Use Inspections and Land Use and the YESAB District office. The property is within the Nacho Nyak Dun First Nation traditional territory. There is a 4 Kilowatt Power station just north of Mayo and a transmission line runs between Mayo and Dawson.

The exploration season in this part of the Yukon normally extends from late May to late September but cool rainy conditions and snowstorms are not uncommon in late September. The months of June through September are normally free of snow cover.

## 6. HISTORY

The Red Mountain area situated approximately 7 kilometers northeast of the Mahtin property was first prospected in the mid 1920's when Treadwell Yukon Corporation drove a short adit on the south side of Red Mountain drifting on a quartz-gold-arsenopyrite-stibnite vein with a large red alteration and oxidation halo, hence the name Red Mountain. The Mahtin Property may have been prospected at this time but there are no records to confirm this. The first recorded claims were staked 3.5 km east of the main Mahtin showings in 1948. The first assessment reports were filed in 1981 by CCH Minerals Ltd., Paul (1981).

CCH Minerals Ltd completed a large soil geochemistry grid over the intrusion looking for Tin and Tungsten mineralization. A total of 1346 soil samples were collected and analyzed for Sn, W, Cu, Ag, and As. A broad >500 ppm Arsenic anomaly was outlined over the intrusion. The geochemical anomaly (Figure 4) is some 700 m long by approximately 150-200 m wide, Paul (1981), Paul and Rota (1981).

CCH held the claims for a few years and they were re-staked by M.J. Moreau Enterprise Ltd., in 1988. The claims were maintained in good standing for over 15 years until December of 2003 when he allowed the claims to lapse. During this tenure, there were only two small exploration programs on the property. Which included some limited soil and rock sampling (179 samples), Hulstien (1989).

The property was examined over a two day period by H. Marsden and B. Sauer in 2001. They collected three samples along the contact between the Rabbitkettle Formation and the intrusive contact. The samples were of green actinolite and brown-red garnet skarn hosting 1-3% disseminated chalcopyrite and minor arsenopyrite. These samples assayed 4-6 gm/t Au. The work was completed on behalf of Goldfields, Marsden (2001).

Ryanwood Explorations Inc. completed GPS gridding (90 line km), Soil sampling (471 samples), IP surveys (8 Line Km) and some limited trenching, mapping and rock sampling in 2003 and 2004.

The property was optioned to International Gold Resources Inc., in October of 2004. Under the terms of the agreement, International Gold Resources Inc. agreed to pay cash payments totaling \$420,000 and issue 400,000 shares and complete \$1,600,000 in exploration expenditures on the Mahtin property prior to August 15, 2007.

## 7. GEOLOGICAL SETTING

### 7.1 Regional Geology

The Mahtin Claims (Figure 3) are situated within the Selwyn Basin, part of the Ominica Belt. The geology of the McQuesten map area was initially mapped by H.S. Bostock (1964), at a scale of 1:253,440. More recently the area has been mapped at 1:50,000 scale by the Yukon Geological Survey formerly the Yukon/Canada Geoscience Office (Murphy et al. 1993; Murphy and Heon, 1994).

Two suites of granitoid intrusives, ranging from Paleozoic to Cenozoic age, related to underplating and or subduction, are found on both sides of the Tintina fault. Granitoid emplacement peaked during the Early - Middle Cretaceous (Tempelman-Kluit, 1981). The Western Suite granitoid intrusives found west and southwest of the Selwyn Basin are predominantly granodiorite in composition and are associated with porphyry copper - molybdenum and copper skarn deposits.

The Eastern or Selwyn Plutonic Suite of granitoid intrusives are distributed along a northwest trending arcuate belt within the Selwyn Basin. The granitoids are mainly granitic in composition and are associated with tin, tungsten, and molybdenum and gold mineralization. The Dublin Gulch gold deposit some 30 kilometers to the east as well as significant mineralized systems at Red Mountain to the north and Clear Creek to the west are all associated with Tombstone Suite intrusions. Recent age dating by J. Mortensen at the University of British Columbia, dates the Sprague Creek Stock at  $91.0 \pm 0.2$  Ma; Red Mountain Stock at  $92.3 \pm 0.8$  Ma. These intrusions are considered excellent targets for Tombstone Suite intrusion related gold deposits. Ages and mineralogy are correlative with other Tombstone Suite plutons in the area. Regional airborne magnetic data obtained from the Geological Survey of Canada from 800 m spaced flight lines show an unusually large magnetic response underlying the Red Mountain intrusion. At Mahtin, the regional magnetic relief is more subdued than at Red Mountain.

The Mahtin property is situated on the southern flank of the Lost Horses Syncline, a syncline of folded Gull Lake Formation, Rabbitkettle Formation, Duo Lake and Steele Formations and Earn Group Sediments, intruded by the  $91 \pm 0.2$  Ma Cretaceous Sprague Creek Stock, Murphy, (1997).

### 7.2 Property Geology

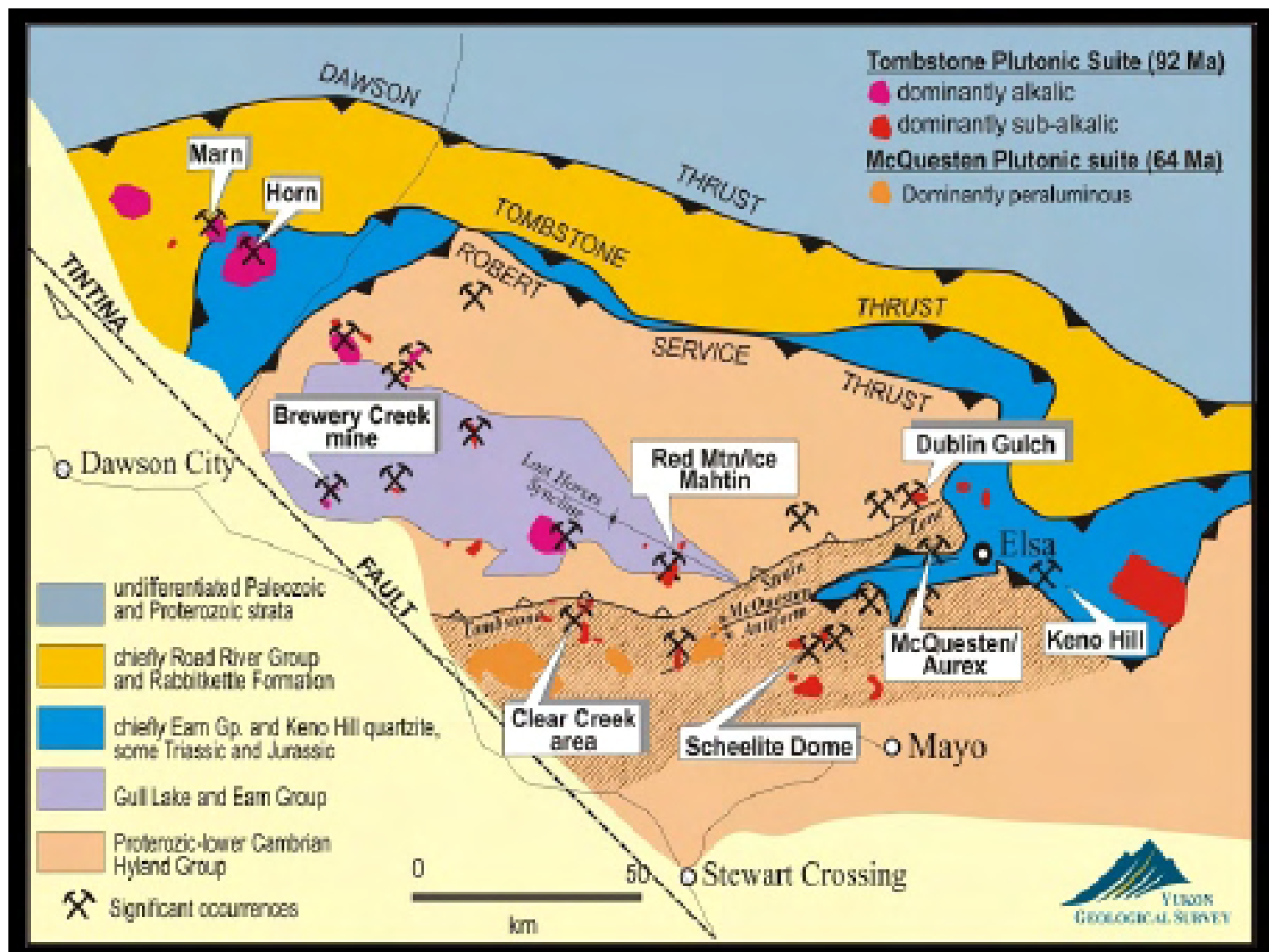
The Mahtin Property is underlain by Late Proterozoic to Early Mississippian marine clastic sediments that have been intruded by the Late Cretaceous Sprague Creek Stock and a related suite of marginal dikes (Figure 4). Sedimentary rocks proximal to the stock are thermally metamorphosed and locally hydrothermally altered with skarn and calcsilicate mineralization developed where proximal to calcareous sediments.

Late Paleozoic to Early Cambrian Yusezyu Formation, Hyland Group sediments underlies the southeastern portion of the property. These are dominated by foliated tan to grey metasandstone and muscovite chlorite phyllite, with lesser pebbly metasandstone and pebble metaconglomerate.

These older rocks are separated from a younger more compositionally varied succession of Cambrian to Mississippian sediments that underlie the north and western property area. These younger rocks form part of a regional anticlinal feature in which sedimentary units become progressively younger towards the core of the structure (Figure 4). In plan view that would be from east to west across the top of the map area shown.

The most significant of these units from a mineral potential standpoint and a function of their calcareous nature and ability to produce skarn assemblages is the Rabbitkettle Formation which is also the dominate rock type underlying the property area (Figure 4). This unit comprises a laterally continuous finely laminated light to dark grey sequence of siltstone, argillaceous, calcareous and siliceous siltstones, limestone and chert.

Skarn and calcsilicate alteration with associated sulphide mineralization are variably developed where in contact with the Sprague Creek Stock and to a lesser extent where proximal to dikes. The Sprague Creek stock is a medium- to coarse-grained, granitic textured quartz monzonite intrusion underlying the east central portion of the property area (Figure 4). Paul (1981) estimates mineral composition consisting of roughly 20% quartz, 35% K-feldspar, 35% plagioclase and 10% mafic minerals, mainly biotite with occasional minor hornblende or pyroxene. The related dike swarm is mainly east-west trending and most prevalent to the north of the stock intruding Rabbitkettle formation sediments. These dikes are typical k-feldspar porphyritic and show a wide range of textural and compositional variability ranging from monzonite (quartz monzonite?) to syenite (quartz syenite?).



Modified after Tintina Gold Belt figure on website by Yukon Geological Survey

## International Gold Resources Inc.

### Mahtin Property Regional Geology

#### **Aurum Geological Consultants Inc.**

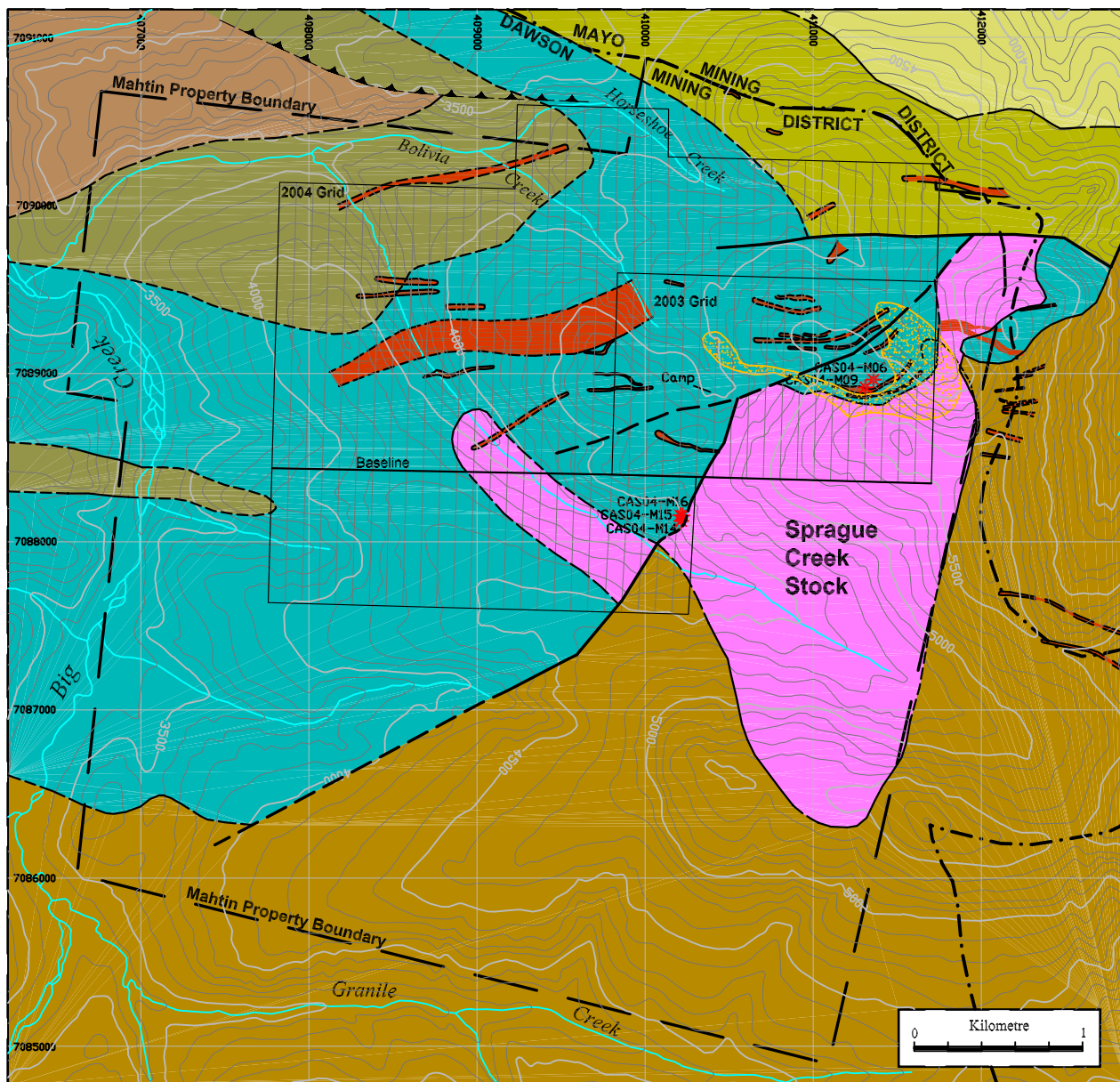
Scale as shown

Date: May 2006

N.T.S.: 115P/15

Drawn: JvR

Figure: 3



#### LAYERED ROCKS

##### LATE DEVONIAN - EARLY MISSISSIPPIAN

###### Earn Group

- Grey to black shale, phyllite, siltstone, sandstone and chert pebble conglomerate

##### ORDOVICIAN - SILURIAN

###### Duo Lake Formation

- Grey to black shale and thin bedded chert

##### LATE CAMBRIAN - ORDOVICIAN

###### Rabbit Kettle Formation

- Calcareous phyllite, thin to medium bedded marble/dolomitic marble, calcsilicate alteration near intrusion

##### CAMBRIAN

###### Gull Lake Formation

- Tan-to brown-weathering, thinly bedded calcareous siltstone, sandstone, shale and limestone
- Finely laminated siltstone, argillaceous siltstone, limestone and chert

##### LATE PROTEROZOIC - EARLY CAMBRIAN

###### HYLAND GROUP

###### Yusezyu Formation

- Buff, brown and rusty weathering quartzite and quartz mica schist

#### INTRUSIVE ROCKS

##### CRETACEOUS (91.0 ± 0.2 Ma)

- Hypabyssal dykes of porphyritic monzonite and syenite
- Biotite +/- hornblende quartz monzonite

#### ALTERATION

##### CRETACEOUS

- Zone of > 500 ppm As in soils (from Paul & Rota, 1981)

#### SYMBOLS

- Contact (defined, approximate, inferred).....
- Fault (defined, approximate, inferred).....
- Contact (defined, approximate, inferred).....
- Yukon Mining District Boundary .....
- Rock Assay Sample Location ..... CAS04-M16 \*

#### CARTOGRAPHIC INFORMATION

North American Datum 1983, UTM Zone 7; Transverse Mercator Projection.  
Contour interval in feet.

### International Gold Resources Inc.

### Mahtin Property Geology Dawson District, Yukon

NTS 115P/15

April 20, 2006

Figure 4

By: Chris H. Ash, MSc, PGeo

## 8. DEPOSIT TYPES

The McQuesten mineral belt is 30 to 50 kilometres wide trend that and extends from Brewery Creek , in the west, to the Mayo area, in the East (Emond, 1986). It forms a small part of the larger (2000 km) Tintina Gold Belt, which comprises a major transverse zone of ENE trending folds, Cretaceous felsic intrusions, and related, structurally controlled mineralization. The continuity of the McQuesten anticline throughout most of the McQuesten mineral belt, similarities in rock type, structure, and mineralization have led to the conclusion that the area is one metallogenic district. Intrusion of felsic stocks parallel to the regional fold axes indicates spatially and probably temporally related structurally controlled mineralization (Emond, 1986). Mineralization consists of; tin-tungsten and gold skarns, silver-lead-zinc veins, silver-lead-antimony veins, and intrusive hosted gold. The McQuesten mineral belt has historically and currently active placer camps. Gold mineralization associated with felsic stocks has been found nearby at Clear Creek, Dublin Gulch, Scheelite Dome, and at the McQuesten and Aurex properties just west of United Keno Hill Mines. The silver deposits in the Keno district are believed to be part of this gold rich mineralised belt The area has seen considerable exploration activity for intrusive related gold mineralization since 1988.

In the late 1990's the terms Tombstone Suite and Tintina Gold Belt became commonly used to describe that area extending for over 2000 km across central Alaska and the Yukon and containing 91 +/- 1 MA felsic intrusions that often host low grade bulk tonnage and high grade gold deposits both within the intrusions and surrounding country rock (See Goldfarb et. al., 2000). Gold deposits of the province have certain similar characteristics, such as spatial and temporal association with mid-Cretaceous magmatism, Bi-W-Te signature in granitoid stock-hosted mineralization, As-Sb signature in sedimentary-rock-hosted and dike-hosted mineralization (Goldfarb and others, 2000).

Mineralization can be found in a number of distinct settings. As sheeted quartz-arsenopyrite-pyrite-pyrrhotite veins from mm to centimeter scale commonly within the intrusion. The veins commonly have less than 3% sulphides. Narrow sericite alteration selvages and halos are commonly associated with the veins. Epizonal mineralization is typically less focused and may be disseminated, or occur as replacements. Calcareous horizons in the Yusezyu Formation or Rabbitkettle formation are considered as suitable host rocks. Mineralization also occurs in shear faults both within and adjacent to the intrusions.

The Tintina Gold Province contains over half of the current gold resources of Alaska and Yukon. Significant gold resources were outlined at Fort Knox (5.4 Moz), Donlin Creek (23 Moz), True North (0.79 Moz), Brewery Creek (0.85 Moz), Dublin Gulch (4.1 Moz) (Hart and others, 2002).

## 9. MINERALIZATION

Known mineralization on the Mahtin property is spatially and temporally related to the Sprague Creek stock. Two distinct styles of mineralization are present. Mineralized quartz-calcite veins are contained within the quartz monzonite body and calcsilicate alteration with associated skarn mineralization is variably developed around the margins of the intrusion where in contact with Rabbitkettle calcareous sediments. Pyrite is disseminated locally within the stock and is ubiquitous in the surrounding hornfels.

Intrusion hosted quartz calcite veins and veinlets from 1 to 5 cm in width containing arsenopyrite, pyrite, stibnite and chalcopyrite occupy late fractures in the quartz monzonite. Locally, brecciated and tourmalinized zones are also present within the quartz monzonite. This type of mineralization is best developed near the north eastern margin of the stock and has been previously sampled and assayed for gold (Paul, 1981), returning uniformly low values.

The calc-silicate rocks alteration is best developed, near the periphery of the biotite quartz monzonite, but also occurs along some of the porphyry dyke margins. Sulphide skarns containing arsenopyrite, scorodite and lesser amounts of pyrite have been found in a number of localities, and usually show some degree of brecciation. Banded arsenopyrite-pyrrhotite skarns are also locally developed and are thought to have replaced an interbedded carbonate/argillite host. These skarns are again commonly crackle brecciated, the late veinlets being infilled with sulphide.

Two individual occurrences of skarn mineralization, one at the northern (CAS04-M6-1 to M6-3) and another at the eastern margins (CAS04-M14, 15 & 16) of the Sprague Creek stock (Figure 4, Table 2) were examined and sampled by C. Ash. The occurrence at the north end of the stock occurs on the steep northeast-facing, felsenmeer covered slope that was uncovered by trenching to evaluate a magnetic anomaly identified in the immediate area. Trenching was not successful in identifying mineralized outcrop. However several angular blocks of gossanous sediments with brecciated and banded sulphides were uncovered (Photos 2A, B, C & D), suggesting that it was sourced from somewhere up slope.

At the second occurrence two bedding parallel, 1 to 2 meter wide gossanous zones, roughly 8 to 10 meters apart, occur within the Rabbitkettle Formation (Photos 3A, B & C). At this locality sulphides (arsenopyrite, pyrite, chalcopyrite) form the matrix to brecciated sediments. Marginal to these zones the sediments partial sulphide replacement along bedding planes. Assay results for one of the sampled collected from the mineralized zoned (CAS04-M15, Table2) indicate significantly elevated gold at 3.88 gm/mt.



## **10. EXPLORATION**

Various, soil and rock sampling programs, trenching has been carried out on the property since 1981. Apart from the soil sampling completed by CCH Minerals Ltd., in 1981 the most significant work was completed in 2003 and 2004 by Ryanwood Explorations Inc. Work programs prior to 2003 are documented in reports by Paul (1981), Paul and Rota (1981), Hulstein (1989), and Marsden (2001). Work programs completed in 2003 and 2004 by Ryanwood Exploration Inc. are reported on in this report.

### **10.1 GPS Grids**

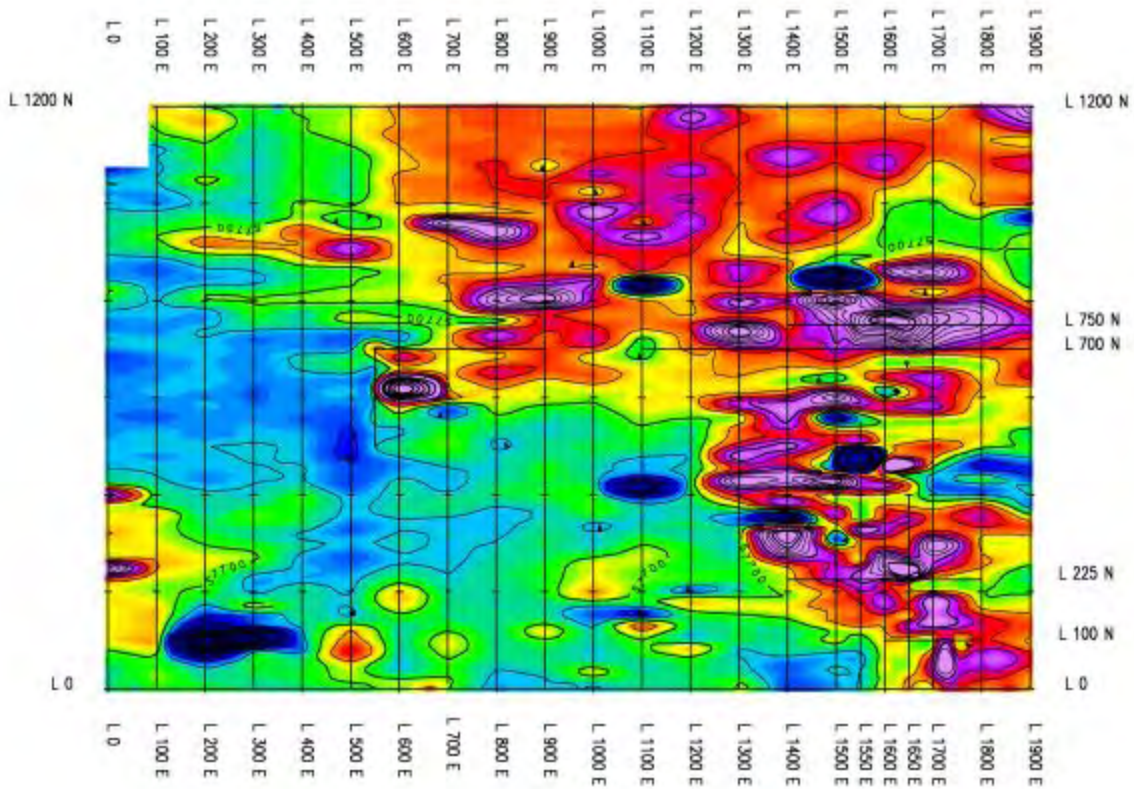
A total of 91.2 line kilometres of GPS grid were picketed and flagged over the north central portion of the claim block, following the contact of the biotite-quartz-monzonite with the Rabbitkettle Formation calcareous phyllite. The grid was established in 2003 and 2004 using a Garmin 76 GPS. The grid base line ran east-west and wing lines ran north-south spaced every 100 meters with 25 m stations on the lines. The UTM coordinates for map area 115P-14 did not match field readings using a Garmin 76 GPS using NAD 83 coordinates. There appears to be a systematic error of  $\pm 150$  meters. The grid was geo-referenced to the topography using prominent creek junctions. This discrepancy should be resolved before drilling commences on the property.

The local grid was used to control soil sampling surveys, magnetometer surveys, IP surveys, and for geological mapping control.

### **10.2 Magnetometer Surveys**

A magnetic survey was completed over the entire grid. Two SCINTREX ENVI-MAG units were used. One was used as a portable field unit and one as a base station. Data was corrected at the end of each day for diurnal fluctuations in the magnetic field.

The magnetic relief map is shown in Figure 5. There are two distinct magnetic domains: An area of magnetic high on the northeast portion of the grid and an area of magnetic low on the southwest side of the grid. The sharp break between the two domains most likely represents a fault zone. Paul (1981) speculated that there were two strong north westerly trending faults running up Bolivia and Horseshoe Creek. These lineaments are readily visible on satellite imagery over the area and are parallel to drill defined northwest trending faults on the nearby Ice claims. These structures are often suitable sites for concentrating fluid flow and attendant alteration and veining. A weaker east-west trending structure may also be inferred from the magnetic map.



### 10.3 IP Surveys

Geophysical work consisted of 8 line kilometers of 50 m spaced pole dipole induced polarization (IP) survey extending along the northern contact of the biotite monzonite with the Rabbitkettle Formation calcareous phyllite. The survey was completed by Doug Landry of Timmins Ontario. The geophysical work was carried out to determine if the styles of mineralization located on surface could be fingerprinted as a chargeability high, resistivity low, or combination of both. An analysis of the pseudo sections shows chargeability high and a resistivity low following the quartz-monzonite-Rabbitkettle Formation contact. The IP anomalies are also coincident with the defined Au, As, Bi, and Cu soil anomalies along the intrusive contact. Resistivity and Chargeability profiles are shown in Figures 6 and 7.

### 10.4 Soil Geochemistry

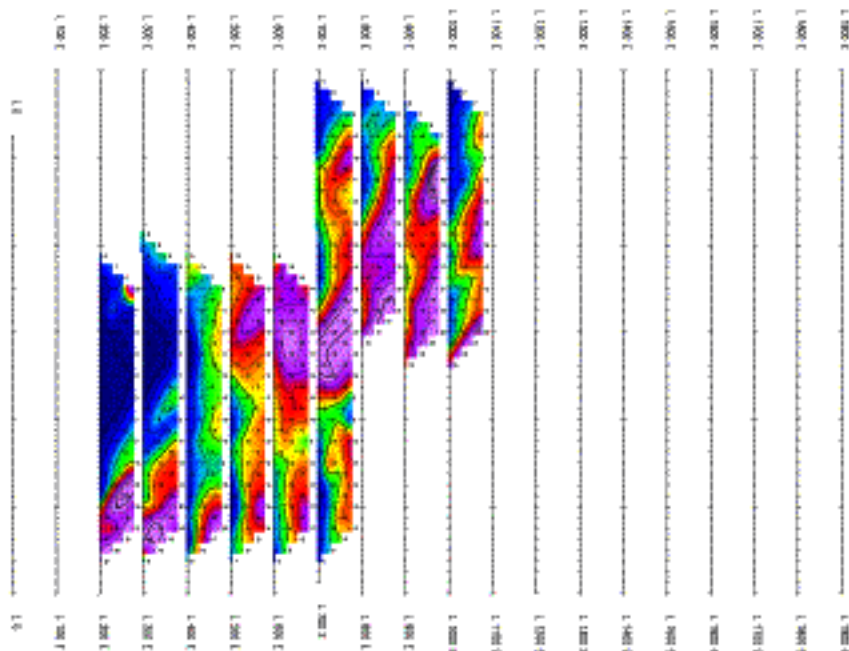
A total of 471 soil samples were collected on grid lines in 2003 and 2004 by Ryanwood Explorations Inc. Samples were collected with either 1 m soil augers or with shovels, depending on the nature of the soil medium. Sampling involved collecting 350-400 grams of soil, generally collected at 60-70 cm depth and placed in Kraft soil bags.

Acme Analytical Laboratories in Vancouver analyzed samples for 35 elements using ICP-MS analytical techniques. The soils were dried and sieved to -80 mesh, and a 15 gm sample split was leached in hot (95°C) Aqua Regia. Every 30<sup>th</sup> sample was a repeat analysis to check analytical precision. Standards were also run to check instrument precision.

Sample data was plotted for gold, arsenic and bismuth. The arsenic and gold have a fairly good correlation with bismuth, As: 0.671 and Au: 0.567; copper and silver also correlate with bismuth. The soil geochemical data shows a 1500 m by 200 m zone of anomalous gold, arsenic and bismuth following the northern contact of the quartz-monzonite intrusion with the Rabbitkettle Formation calcareous phyllite. (Figures 8-11). Soil analytical data and GPS coordinates are found in Table 2, Appendix A.

### 10.5 Rock Sampling and Geochemistry

Prior reports and work completed in 2003 and 2004 have reported on a number of rock samples, most of which were collected along the Rabbitkettle sediment-intrusive contact or from sheeted veins within the intrusion. A number samples have reported anomalous gold along with arsenic, bismuth and antimony. A number of sample locations are plotted on Figure 4, and a table of rock sample geochemical data is presented in Appendix A.



#### LEGEND

Resistivity : 100000-11  
 Type : Time Domain Spectral  
 Frequency : 100000-110000  
 Depth : 100-110  
 Area : 100-110  
 Well : 426  
 Well Type : 100-110  
 Integration Time : 100000

Created by : Klondike Exploration  
 Date : 10/10/2010  
 Project : 100-110



P-4004/23

Strong increase in chargeability, decrease in resistivity  
 Strong increase in chargeability  
 Strong decrease in chargeability



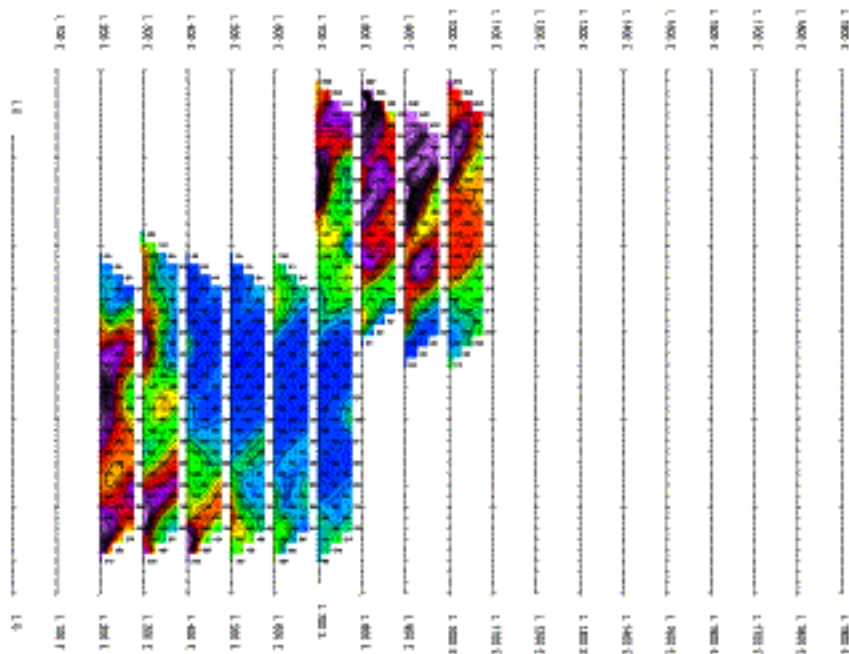
KLONDIKE EXPLORATION

M7 CHARGEABILITY

WHITE CLAMS

Yukon TERRITORIES

10/10/2010	10/10/2010
10/10/2010	10/10/2010
10/10/2010	10/10/2010



1 degree east of 42° 45' north

#### LEGEND

Resistivity : Surface 100-11  
 Time : Time Constant 10000  
 Frequency : 10000 Hz  
 Depth : 100 m  
 Depth : 100 m  
 Depth : 100 m

Area : 100 m  
 Area : 100 m  
 Area : 100 m



#### IP-001/012

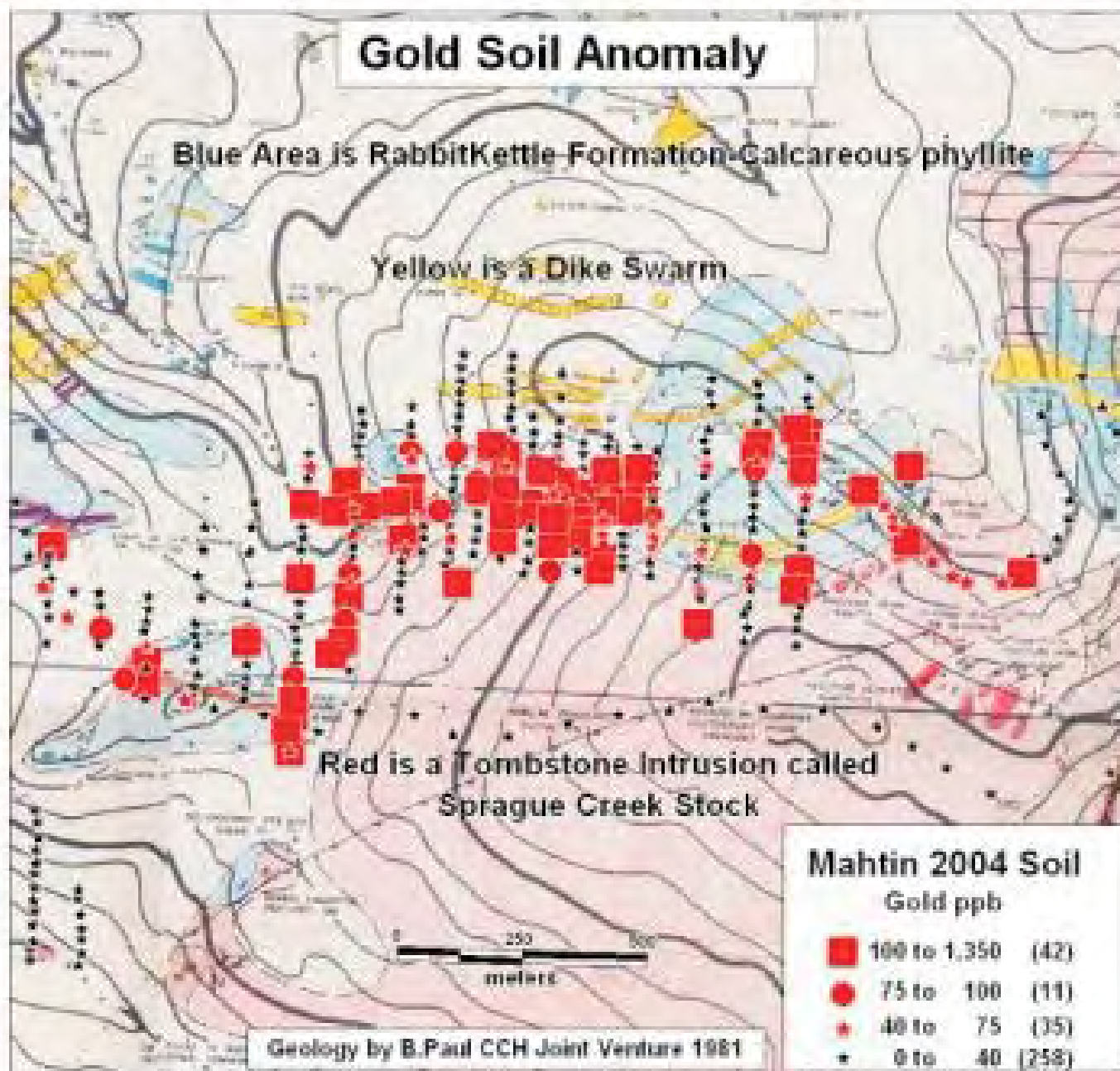
Strong increase in resistivity, decrease in resistivity  
 Strong increase in resistivity  
 Strong increase in resistivity



#### KLONDIKE EXPLORATION

IP RESISTIVITY  
 MANTEN CLAIMS  
 Yukon TERRITORIES

100-1000 Hz  
 100-1000 Hz  
 100-1000 Hz

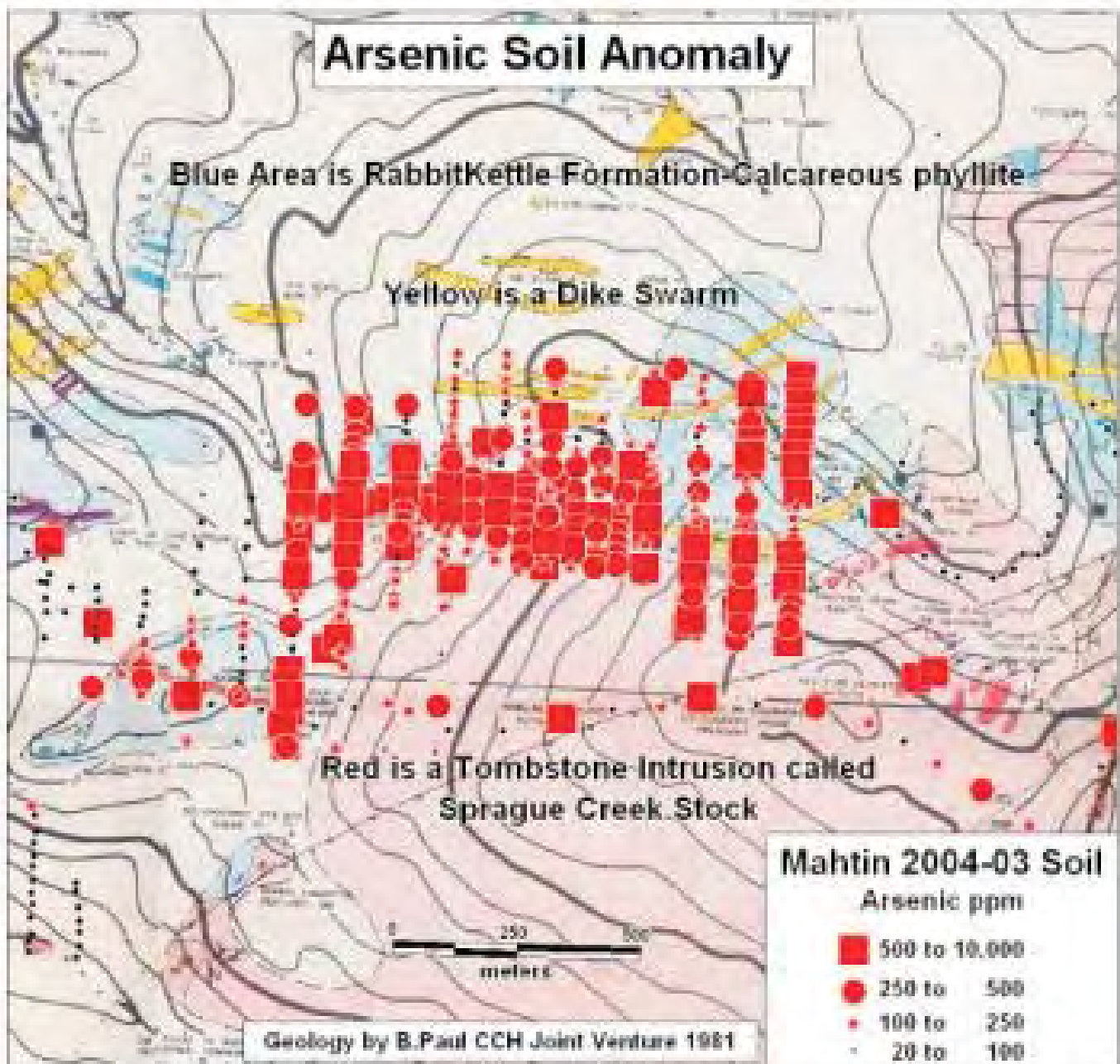


## International Gold Resources Inc.

**Mahtin Property  
Au in soil**

***Aurum Geological Consultants Inc.***

Scale as shown	Date: May 2006
N.T.S.: 115P/15	Drawn: JvR Figure: 8

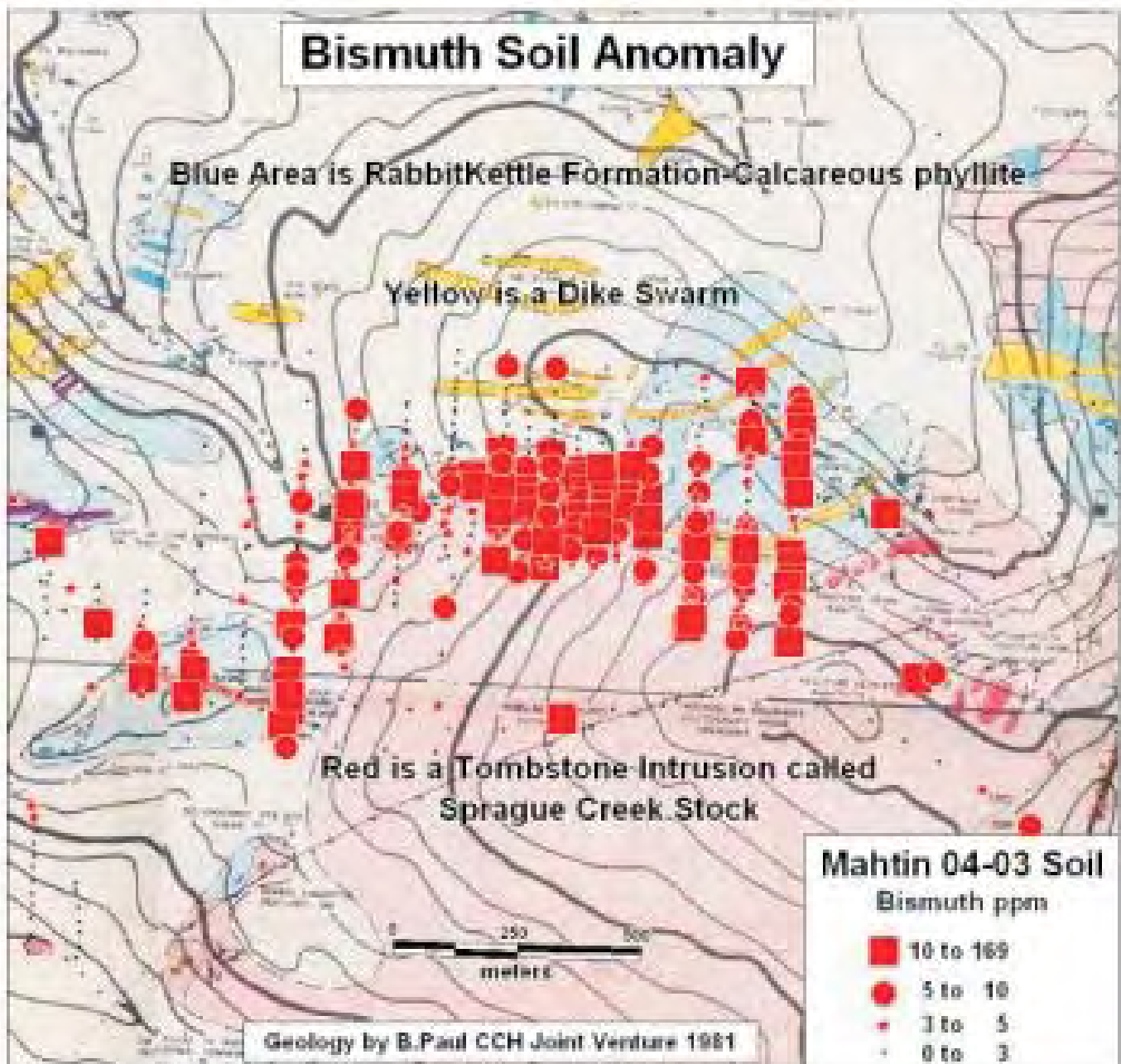


## International Gold Resources Inc.

**Mahtin Property  
As in soil**

***Aurum Geological Consultants Inc.***

Scale as shown	Date: May 2006
N.T.S.: 115P/15	Drawn: JvR Figure: 9



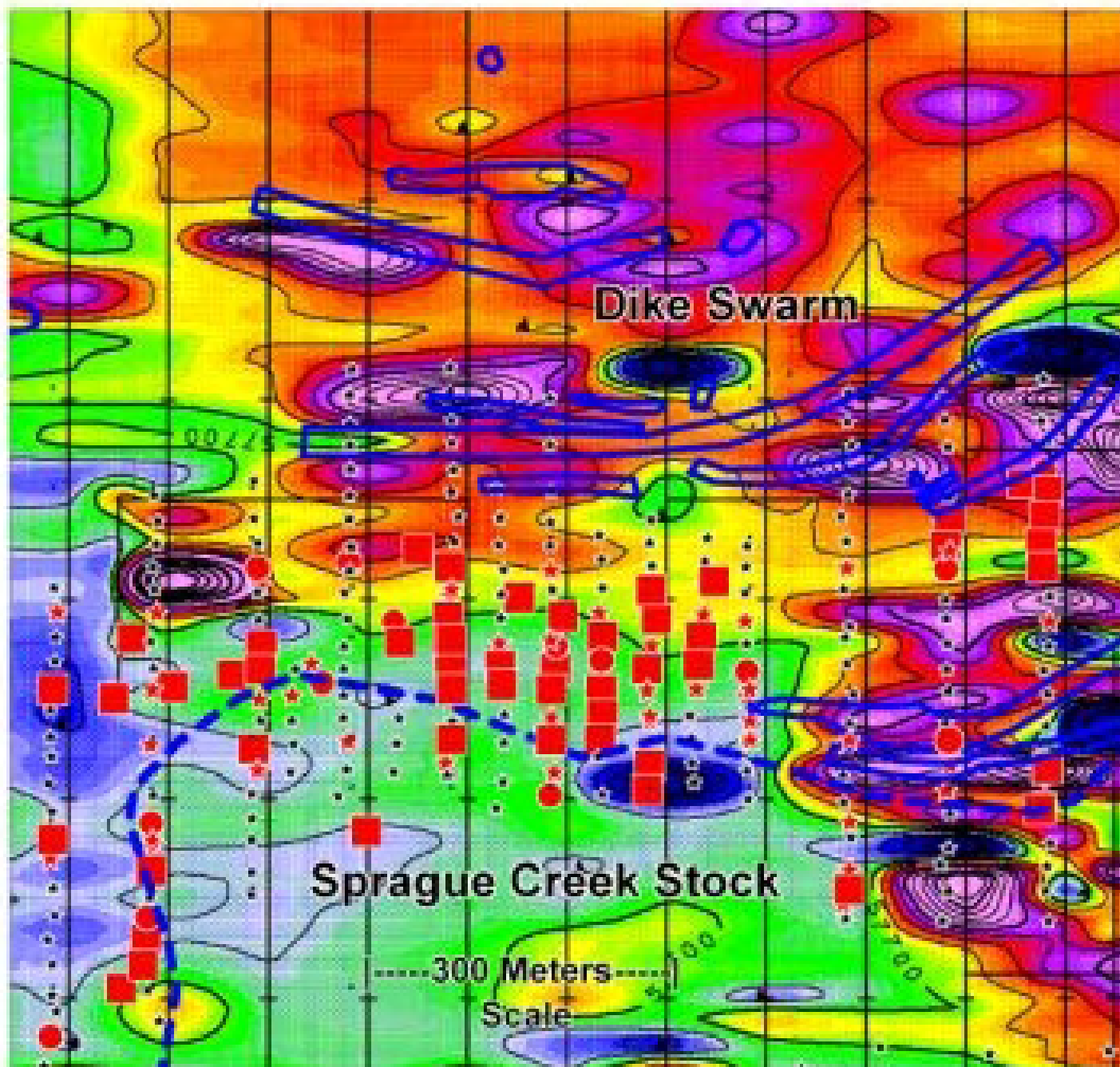
## International Gold Resources Inc.

**Mahtin Property  
Bi in soil**

***Aurum Geological Consultants Inc.***

Scale as shown	Date: May 2006
N.T.S.: 115P/15	Drawn: JvR Figure: 10





**International Gold  
Resources Inc.**

**Mahtin Property  
Au in soil & Magnetic Survey**

***Aurum Geological Consultants Inc.***

Scale as shown

Date: May 2006

N.T.S.: 115P/15

Drawn: JvR

Figure: 11

**Mahtin Claims**

**Mahtin 03-04 Soil  
Gold ppb**

- 100 to 400
- 75 to 100
- ★ 40 to 75
- 1 to 40

## **11. SAMPLING METHOD and APPROACH**

Samples types collected on the claims have been primarily soil samples and rock samples as either grabs or chip samples. Where soil development allowed, most samples were collected from B-Horizon soil. On steeper rocky talus slopes, the sample material collected would be better called talus fine material. Rock samples were collected using a rock hammer to collect a 1-2 kg sample from exposed rock.

## **12. SAMPLE PREPARATION, ANALYSES AND SECURITY**

All rock and soil samples collected in 2003 and 2004 were prepared and analyzed by Acme Analytical Laboratories (Acme) in Vancouver, B.C. All final assay certificates received were approved and signed by C. Leong, a certified B.C. assayer. Prior to dispatch from the property, all samples were placed in rice bags by personnel and secured with tamper resistant ties. The samples were then transported to Dawson City and then shipped through Whitehorse to Vancouver.

### **12.1 Preparation and Analytical Techniques**

Preparation of soil samples involved air drying and sieving to –80 mesh. Analytical techniques for soils were ICP-MS. A 15 gm ample split was leached in hot (95°C) Aqua Regia.

### **12.2 Quality Control**

Quality control procedures on soil and rock analytical data consisted of standardized soil and rock sampling techniques. Acme Analytical Laboratories Ltd., ran internal check analyses on soil rock samples submitted by running one standard and one re-run for every 30 samples submitted. Correlation between original and check assays was generally very good.

## **13. DATA VERIFICFATION**

Some prior sampling and reporting on the property was completed prior to 2001, and the effective date of NI 43-101. There was no QA/QC of sampling methodology discussed in any geological report that the authors have reviewed. On this type of deposit model, gold mineralization is associated with arsenopyrite and bismuthinite on dry fractures and in quartz veins or occasionally as disseminations. Visible arsenopyrite is commonly obvious in the areas sampled. All technical reports of exploration programs reviewed for this report were managed and reported on by qualified geologists.

**The author's have no reason to believe that the data as presented is not an accurate representation of facts at this stage of exploration on the Mahtin Property.**

## **14. ADJACENT PROPERTIES**

The Mahtin property shares its northern boundary with the THORR claims, a block of 6 wide linear claims controlled by Regent Ventures Limited, and northeast of these, the ICE claims controlled by Acero-Martin Explorations Inc., Both properties have seen extensive exploration activities including mapping, soil and rock sampling, core and RC drilling, magnetometer and IP surveys. The ICE Claims have been worked as early as the mid 1920's and have been held under claim and worked since the continuously since 1988.

The Jethro Zone on the Ice claims has drill outlined a significant area of low grade (+/- 1 gm/t Au) gold mineralization. Gold is found in a zone of sheeted quartz-arsenopyrite-pyrite and pyrrhotite veinlets along a shear zone-fault within the intrusion. On the Saddle Zone on the adjoining Regent Ventures property to the north, drilling has indicated gold in sheeted quartz veins localized along a major northwest trending structure.

## **15. MINERAL PROCESSING AND METALLURGICAL TESTING**

There has been no mineral processing or metallurgical testing completed to date on the mineralization on the Mahtin Property.

## **16. MINERAL RESOURCE AND RESERVE ESTIMATE**

There is no an identified mineral reserve or resources on the Mahtin Property. The property is at an early exploration stage with multiple soil, rock, geochemical anomalies.

## **17. OTHER RELEVANT DATA AND INFORMATION**

There is to the author's knowledge no additional data or information, of either a positive or negative aspect, that would change the data presented or the contained recommended program.

## **18. INTERPRETATION AND CONCLUSIONS**

The Mahtin property is an excellent exploration target for Tombstone Suite plutonic related gold mineralization. The property has significant and widespread gold, arsenic, bismuth, with secondary copper, tungsten, silver, and tin soil and rock geochemical anomalies. The property has seen very limited exploration efforts prior to 2003 when the ground was acquired by Shawn Ryan of Dawson City.

Geochemical soil anomalies are clustered along the northern contact of the quartz-monzonite intrusion with Rabbitkettle Formation calcareous phyllite. There is a good correlation between geology, geochemistry, IP and Magnetometer surveys along this contact and at this stage, the property would best be drill tested.

## **19. RECOMMENDATIONS**

The property is under explored and warrants a minimum of 3000 feet (1000 meter) core drilling program. The drill program should consist of five drill sites with 2-3 holes fanned off of each site. Fewer sites would reduce the requirement for helicopter moves and reduce costs.

The drilling should focus on the coincident geological, geochemical, magnetic, and IP anomalies associated with the Sprague Creek intrusion and particularly along the well defined contact between the intrusion and the Rabbitkettle Formation calcareous phyllite and associated skarn zones.

A recommended airborne magnetic and radiometric survey should be considered but only if adjoining land holders would consider a jointly funded survey to reduce individual company costs.

A detailed budget for a 1000 m (3000') drill program is provided in the following section.

## 19.1 Proposed 2006 Exploration Budget

Mobilization Demobilisation (Camp and Drill)	\$ 10,000.00
Airborne magnetic and radiometric survey	\$ 50,000.00
1000 m Core drilling	\$ 120,000.00
Helicopter, Drill and Camp fuel	\$ 15,000.00
Helicopter Charter (40 hours @ \$1000/hr)	\$ 40,000.00
Camp rental (30 days @ \$ 75/man day x 240 man days)	\$ 18,000.00
Groceries and Camp Supplies	\$ 6,000.00
Cooks Wages	\$ 9,000.00
Geological Supervision and Core logging	\$ 16,500.00
Core Splitting	\$ 7,500.00
Workers Compensation	\$ 1,200.00
Assay Costs (1000 samples @ \$20 each)	\$ 20,000.00
Report Costs	\$ 10,000.00
Assessment Fees	\$ 3,000.00
Contingency @ ~15%	\$ 50,000.00
 Sub-Total:	 \$ 376,200.00
GST	\$ 26,300.00
 <b>Total:</b>	 <b>\$ 402,500.00</b>

**Respectfully submitted;**

***“R. Allan Doherty, P.Geo.”***  
***“Signature”***  
***“Seal”***

**May 08, 2006**

***“C. Ash, P. Geo.”***  
***“Signature”***  
***“Seal”***

**May 08, 2006**

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## 21. CERTIFICATE OF QUALIFICATIONS (RAD)

I, R. Allan Doherty, hereby certify that:

1. I am a consulting mineral exploration geologist with AURUM GEOLOGICAL CONSULTANTS INC., 106A Granite Road, Whitehorse, Yukon, Y1A 2V9.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977). I attended graduate school at Memorial University of Newfoundland, 1978-80. I have been involved in geological mapping and mineral exploration primarily in the Yukon continuously since 1980.
3. I am a "Qualified Person" as defined in Sec 1.2 of National Instrument 43-101.
4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564, and have been registered as a Professional Geologist since 1993.
5. I am co-author of this report on the Mahtin Property. The report is based on field work conducted in 2003-2004 under the author's supervision and on published assessment reports and company files.
6. I am the author of all sections of this report except Sections 7.2 and 9.0 Property Geology, and Mineralization.
7. I am not aware of any material fact or material change with respect to the subject matter of this technical report, which is not reflected in the technical report, the omission to disclose makes the technical report misleading.
8. I am independent of the Issuer and have no direct or indirect interest in the properties or securities of International Gold Resources Inc., or affiliated companies, nor do I expect to receive any.
9. I have had direct involvement with the exploration programs conducted on the area discussed in this report both for prior property owners and International Gold Resources Inc. I visited the property in September 2003. I am familiar with the Tombstone gold deposit model and have experience writing Qualifying Reports and conducting evaluations of mineral properties.
10. I have read National Instrument 43-101 and Form 43-101F and have prepared this technical Report on the Mahtin Property in compliance with this Instrument and Form 43-101F1.

"R. Allan Doherty, P. Geo."

"Signature"

"Seal"

May 8, 2006



## 22. CERTIFICATE OF QUALIFICATIONS (CHA)

I, Chris H. Ash, do hereby certify that:

1. I am a consulting mineral exploration geologist with CASH GEOLOGICAL CONSULTING, 405-1350 Stanley Avenue, Victoria, B.C., V8S 3S7.
2. I am a geologist with more than twenty years of field experience.
3. I graduated from Memorial University of Newfoundland with a Honours B.Sc. Degree in geology in 1985 and obtained an M.Sc. Degree in geology from the same university in 1991.
4. As a Project Geologist, I conducted geological mapping and mineral deposits research for the British Columbia Geological Survey throughout the province of British Columbia for 13 years from 1989 to 2002.
5. I am a Professional Geoscientist (P.Geo.) and a member in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (Registration No. 20015) and also a "Qualified Person" as defined in Section 1.2 of National Instrument 43-101.
6. I am a member in good standing with the Society of Economic Geologists.
7. I co-authored this report on the Mahtin property with R. Allan Doherty, P.Geo. The report is based on a compilation of 2002 and earlier exploration data, a property visit in August 2004.
8. I am the author of Sections 7.2 and 9.0 of this report.
9. I have had direct involvement with the exploration programs conducted on the Mahtin property for International Gold Resources Inc. I conducted property examination over a 2 and ½ day period from August 13-17<sup>th</sup>, 2004.
10. I am not aware of any material fact or material change with respect to the subject matter of this technical report, which is not reflected in the technical report; the omission to disclose makes the technical report misleading.
11. I am independent of the Issuer and have no direct or indirect interest in the properties or securities of International Gold Resources Inc., or affiliated companies, nor do I expect to receive any.
12. I have read National Instrument 43-101 and Form 43-101F and have prepared this technical Report on the Mathin property in compliance with this Instrument and Form 43-101F1.

Chris H. Ash, P. Geo."

"Signature"

"Seal"

May 08, 2006

**APPENDIX A**

**SOIL AND ROCK GEOCHEMICAL DATA**

**PROPERTY PHOTOGRAPHS**

**TABLE 2. MAHTIN 2004 ROCK GRAB SAMPLE ASSAY DATA**

ELEMENT	LOCATION		Au*	Au	Ag	Mo	Cu	Pb	Zn	Sb	As	Ni	Co	Mn	Fe	U	Th	Sr	Cd	Bi	V
SAMPLES	UTM NAD83 Zone 8		gm/mt	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
SI	Easting	Northing	0.01	2.7	<.1	0.2	0.6	0.7	1	0.1	2.6	0.2	0.1	4	0.07	<.1	<.1	2	<.1	<.1	1
CAS 04-M6-1	411357	7088964	0.02	1.9	3.7	0.4	3160.0	6.4	25	2.8	622.0	21.5	6.2	65	21.08	1.1	2.9	8	0.8	7.3	11
CAS 04-M6-2	411357	7088964	0.1	81.0	5.2	0.3	2897.7	18.7	41	38	>10000	15.5	29.2	140	18.21	0.6	2.4	19	2.0	97.2	26
CAS 04-M6-3	411357	7088964	<.01	3.5	0.1	0.5	291.8	5.8	15	0.8	80.0	6.2	4.9	2007	0.54	0.3	0.6	300	0.9	0.8	2
CAS04-M9	411309	7088918	0.02	9.8	0.2	2.1	254.6	6.4	65	0.7	56.8	20.6	37.9	282	5.61	0.6	2.4	74	0.1	1.3	205
CAS04-M14	410213	7088123	0.42	292.4	4.7	0.3	3079.5	7.2	36	2.7	227.4	11.2	5.5	124	4.62	1.4	6.7	59	0.5	13.6	5
CAS04-M15	410222	7088156	3.88	3205.1	0.6	0.1	363.9	5.1	11	3.7	2138.2	8.3	6.5	245	2.48	0.8	6.1	150	0.1	133.1	4
CAS04-M16	410209	7088157	0.04	13.6	0.4	3.4	118.2	5.3	149	0.7	24.9	47.5	15.6	124	3.62	3.7	6.1	15	0.6	0.7	224
STANDARD DS6/AU-1			3.31	44.0	0.3	12.0	127.0	32.2	144	3.2	21.0	25.2	10.5	699	2.86	6.7	3.2	39	5.8	4.9	58
STANDARD DS6/AU-1			3.32	42.9	0.3	12.2	123.1	30.7	145	3.2	22.7	24.0	10.5	688	2.74	6.5	2.9	39	6.1	4.9	57

ELEMENT	LOCATION		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	UTM NAD83 Zone 8		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
SI	Easting	Northing	0.07	<.001	<.1	1	<.01	2	<.001	1	0.01	0.34	<.01	0.1	0.01	<.1	<.1	0.11	<.1	<.5
CAS 04-M6-1	411357	7088964	0.55	0.027	8	16.5	0.42	28	0.05	3	0.50	0	0.04	0.2	<.01	0.9	0.1	9.88	3	18.6
CAS 04-M6-2	411357	7088964	0.94	0.017	5	20.7	0.77	43	0.02	2	0.65	0	0.08	0.1	0.02	2.1	0.1	6.61	5	16.7
CAS 04-M6-3	411357	7088964	18.75	0.016	13	4.4	0.19	22	0.01	8	0.15	0	0.01	0.3	<.01	0.5	<.1	0.24	<.1	0.9
CAS04-M9	411309	7088918	1.35	0.27	23	3.5	1.48	71	0.36	3	2.10	0.17	1.21	0.2	<.01	5.5	1	1.01	10	1.3
CAS04-M14	410213	7088123	2.60	0.077	17	4.8	0.11	10	0.05	4	3.02	0.12	0.01	0.4	0.01	0.3	<.1	2.77	12	28.6
CAS04-M15	410222	7088156	4.47	0.116	14	4.8	0.09	27	0.04	6	3.23	0.08	0.01	0.2	0.01	0.4	<.1	1.07	11	3.8
CAS04-M16	410209	7088157	0.21	0.062	16	92.1	2.01	281	0.25	1	3.38	0.03	1.23	0.5	0.01	10.1	0.4	0.59	11	4.8
STANDARD DS6/AU-1			0.88	0.075	15	181	0.59	163	0.09	19	1.96	0.07	0.17	3.2	0.22	3.2	1.7	<.05	6	4.5
STANDARD DS6/AU-1			0.83	0.08	13	180	0.58	164	0.08	18	1.85	0.07	0.14	3.6	0.21	3.2	1.8	<.05	6	4.6

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

ACME File # A405756

Analysis 1DX with 15.00 gm sample

LOCATION													
Sample ID & Grid Coordinates	UTM Coordinates		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	NAD83-Zone8												
	Easting	Northing											
MT950E-700N	410767	7089073	0.8	46.9	10.8	78	0.1	28.3	12.1	367	2.79	208.5	1.4
MT950E-675N	410770	7089044	0.8	34.0	10.3	62	0.1	23.9	10.0	377	2.28	178.1	2.0
MT950E-650N	410768	7089017	0.8	32.7	18.5	60	0.2	22.1	9.2	538	2.18	81.0	1.0
MT950E-625N	410772	7088992	0.6	48.4	15.6	48	0.3	21.4	9.8	449	2.06	132.3	0.9
MT950E-600N	410769	7088967	0.5	41.2	35.8	83	0.5	22.0	9.5	846	2.19	133.1	0.9
MT950E-575N	410768	7088944	0.8	47.1	12.1	72	0.3	23.8	8.0	323	2.43	279.6	1.7
MT950E-550N	410766	7088920	0.5	106.1	23.3	121	0.9	24.8	9.9	542	2.80	568.4	1.7
MT950E-525N	410766	7088897	0.7	279.3	492.0	222	11.3	19.6	8.9	690	3.97	2069.4	2.4
MT950E-500N	410767	7088877	0.7	73.1	32.3	130	1.3	22.2	10.2	721	2.76	320.5	2.2
MT950E-475N	410769	7088847	0.9	55.2	13.6	76	0.4	20.3	9.5	472	2.55	251.7	4.0
MT950E-450N	410768	7088819	1.2	106.1	13.1	86	0.5	22.8	11.5	664	2.72	427.1	5.5
MT950E-410N	410766	7088780	1.5	57.2	13.6	87	0.4	25.5	12.3	750	2.86	258.7	5.9
MT950E-385N	410758	7088754	1.4	55.7	12.9	85	0.5	24.7	11.4	746	2.78	231.6	6.6
MT900E-825N	410723	7089196	0.7	35.0	13.4	82	0.1	22.5	9.3	305	2.19	129.1	0.8
MT900E-800N	410723	7089171	0.7	71.5	14.2	90	0.3	23.0	8.8	274	2.77	196.0	1.8
MT900E-775N	410723	7089143	0.6	40.3	12.2	68	0.2	25.7	10.7	294	2.45	157.0	1.4
MT900E-750N	410723	7089121	0.9	36.5	12.9	84	0.2	22.3	10.3	275	2.81	113.0	2.6
MT900E-725N	410724	7089093	0.4	27.1	12.0	59	0.2	18.7	8.6	147	2.19	73.8	2.0
MT900E-700N	410721	7089071	0.8	22.4	9.8	67	0.1	22.4	9.3	314	2.22	43.7	0.9
MT900E-675N	410728	7089046	0.7	34.1	10.6	68	0.2	22.3	9.8	311	2.43	199.4	1.4
MT900E-650N	410723	7089022	0.6	21.9	14.3	56	0.2	20.0	9.5	396	2.11	49.8	1.1
MT900E-625N	410718	7088996	0.6	35.3	13.3	54	0.3	21.7	9.6	348	2.25	186.5	1.2
MT900E-600N	410716	7088968	0.5	55.1	15.8	57	0.5	22.1	9.1	427	2.25	91.8	1.1
MT900E-575N	410715	7088946	0.5	92.2	19.9	66	0.6	21.2	9.0	472	2.19	131.1	1.2
MT900E-550N	410714	7088923	0.5	74.4	16.5	56	0.5	17.5	6.5	292	2.10	813.6	1.1
MT900E-525N	410716	7088896	0.9	94.0	25.7	104	1.2	25.3	9.8	557	3.04	558.5	2.7
MT900E-500N	410713	7088870	0.8	122.2	26.9	102	0.8	18.6	8.0	427	2.87	564.1	3.3
MT900E-475N	410716	7088842	1	80.0	10.1	83	0.5	24.2	9.6	450	2.50	416.6	2.7
MT900E-445N	410708	7088801	0.8	75.7	8.3	59	0.6	17.2	7.8	315	2.06	232.4	2.7
MT900E-420N	410715	7088789	1.1	33.1	9.8	68	0.3	20.8	8.9	509	2.38	129.9	3.4
MT900E-400N	410709	7088788	1.1	36.4	10.1	60	0.2	17.7	8.8	442	2.33	129.2	3.5
MT850E-575N	410660	7088944	0.5	53.1	29.2	82	0.6	22.3	8.8	450	2.37	479.2	1.5
MT850E-550N	410666	7088923	0.4	180.6	29.2	143	1.8	20.2	31.2	2461	6.11	341.9	1.2
MT850E-500N	410662	7088873	1.2	59.2	11.4	72	0.3	20.7	9.4	448	2.64	366.6	3.2
MT850E-475N	410663	7088846	0.9	48.4	8.8	62	0.3	19.7	7.5	369	2.23	329.4	2.5
MT850E-450N	410660	7088821	1.2	37.6	11.6	69	0.3	17.9	9.7	547	2.36	193.7	4.2
MT850E-425N	410656	7088793	1.3	47.5	12.5	67	0.3	17.5	9.5	489	2.57	186.8	4.2
MT800E-825N	410625	7089197	0.7	36.3	14.5	68	0.3	19.2	7.3	326	2.14	174.8	2.0
MT800E-800N	410622	7089171	0.6	34.5	13.4	61	0.2	18.5	9.0	649	1.71	90.4	1.5
MT800E-775N	410621	7089142	1	24.3	17.1	61	0.2	19.3	11.3	321	2.74	116.1	3.5
MT800E-750N	410621	7089121	1.2	15.5	12.8	49	0.1	14.8	7.9	299	2.21	78.6	1.1
MT800E-725N	410621	7089097	0.5	17.9	12.1	64	0.1	21.0	8.8	324	2.22	107.3	1.0
MT800E-700N	410619	7089070	0.8	25.8	12.2	118	0.1	22.3	9.0	282	2.38	165.3	1.0
MT800E-675N	410618	7089047	0.8	44.9	16.1	63	0.3	25.5	10.5	381	2.53	113.1	2.2
MT800E-650N	410619	7089019	0.6	33.7	16.3	69	0.2	23.9	10.0	320	2.38	104.7	1.8
MT800E-625N	410617	7088995	0.6	51.3	11.4	46	0.2	20.4	9.8	258	3.07	257.9	1.1
MT800E-600N	410612	7088973	0.6	47.7	12.8	59	0.2	24.7	10.1	266	2.64	385.2	1.3
MT800E-575N	410614	7088947	0.5	49.9	14.6	65	0.3	19.9	7.7	351	2.11	472.6	1.0
MT800E-550N	410610	7088920	0.6	44.1	16.4	65	0.4	24.3	9.6	371	2.42	783.9	1.2

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

ACME File # A405756

Analysis 1DX with 15.00 gm sample

LOCATION														
Sample ID & Grid Coordinates	UTM Coordinates		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	NAD83-Zone8													
	Easting	Northing												
MT950E-700N	410767	7089073	5.7	6.6	50	0.2	1.8	2.9	44	0.57	0.038	29	26.9	0.62
MT950E-675N	410770	7089044	6.6	5.8	37	0.2	1.3	0.9	40	0.49	0.037	28	24.3	0.51
MT950E-650N	410768	7089017	6.7	6.2	59	0.6	1.5	1.1	39	0.96	0.032	27	24.0	1.03
MT950E-625N	410772	7088992	9.5	2.4	69	0.3	1.6	2.9	29	2.20	0.095	21	18.9	0.41
MT950E-600N	410769	7088967	29.8	3.6	39	0.9	5.9	9.6	31	1.54	0.071	23	20.7	0.62
MT950E-575N	410768	7088944	10.1	5.1	45	0.2	11.8	2.2	38	0.88	0.062	32	26.8	0.53
MT950E-550N	410766	7088920	51.0	4.4	50	0.7	66.6	10.6	40	1.01	0.101	28	28.8	0.64
MT950E-525N	410766	7088897	312.5	9.4	92	2.0	280.2	28.4	24	1.73	0.116	29	19.9	0.44
MT950E-500N	410767	7088877	109.5	5.4	66	1.2	38.7	10.4	41	1.27	0.091	29	26.2	0.61
MT950E-475N	410769	7088847	38.0	7.0	30	0.3	15.6	3.1	47	0.40	0.086	34	26.0	0.44
MT950E-450N	410768	7088819	36.8	8.9	32	0.5	10.5	6.2	55	0.41	0.093	35	32.8	0.51
MT950E-410N	410766	7088780	12.2	8.8	29	0.3	9.2	4.2	61	0.31	0.096	34	37.7	0.56
MT950E-385N	410758	7088754	23.8	15.4	28	0.6	3.5	6.7	59	0.34	0.106	42	39.5	0.60
MT900E-825N	410723	7089196	6.2	6.4	44	0.6	1.2	1.9	36	0.66	0.075	20	22.1	0.42
MT900E-800N	410723	7089171	5.0	6.0	45	0.4	2.4	4.8	41	0.68	0.070	23	26.7	0.48
MT900E-775N	410723	7089143	5.5	6.1	42	0.4	1.6	2.6	38	0.95	0.089	22	26.4	0.49
MT900E-750N	410723	7089121	6.2	8.6	59	0.3	1.8	1.1	44	0.60	0.089	26	27.9	0.72
MT900E-725N	410724	7089093	3.6	5.4	40	0.2	1.4	0.7	40	0.66	0.079	18	26.5	0.49
MT900E-700N	410721	7089071	11.6	2.9	34	0.2	1.0	0.7	40	0.45	0.076	14	26.6	0.49
MT900E-675N	410728	7089046	15.5	6.1	47	0.3	2.1	1.1	41	0.42	0.063	22	23.9	0.51
MT900E-650N	410723	7089022	3.5	3.0	49	0.8	0.9	0.7	39	1.26	0.053	18	26.7	0.48
MT900E-625N	410718	7088996	211.0	3.9	39	0.3	2.1	12.4	39	0.80	0.040	19	26.1	0.50
MT900E-600N	410716	7088968	55.1	4.3	44	0.3	2.2	24.1	39	1.02	0.046	20	27.3	0.57
MT900E-575N	410715	7088946	236.8	3.4	52	0.4	3.0	29.6	36	1.29	0.063	20	25.9	0.60
MT900E-550N	410714	7088923	148.3	4.1	40	0.3	12.1	28.4	30	1.06	0.064	20	21.9	0.42
MT900E-525N	410716	7088896	108.5	5.1	34	0.6	49.9	6.9	45	0.48	0.083	29	29.4	0.52
MT900E-500N	410713	7088870	70.3	4.5	35	0.6	76.2	4.5	37	0.49	0.073	29	24.1	0.41
MT900E-475N	410716	7088842	32.9	8.7	32	0.5	6.3	6.5	44	0.42	0.087	26	28.1	0.49
MT900E-445N	410708	7088801	71.2	7.2	24	0.4	8.3	3.9	39	0.30	0.079	25	24.0	0.39
MT900E-420N	410715	7088789	18.3	9.4	30	0.4	4.5	1.8	52	0.32	0.090	29	31.0	0.48
MT900E-400N	410709	7088788	12.2	8.6	34	0.3	8.6	1.7	48	0.37	0.093	31	28.9	0.44
MT850E-575N	410660	7088944	94.5	5.6	42	0.6	17.0	11.3	35	1.22	0.095	26	25.7	0.50
MT850E-550N	410666	7088923	1344.4	12.1	17	1.0	31.9	88.1	32	1.35	0.172	47	39.6	0.17
MT850E-500N	410662	7088873	21.5	4.3	23	0.4	7.0	3.4	52	0.29	0.086	24	31.2	0.47
MT850E-475N	410663	7088846	13.1	6.0	19	0.3	4.2	2.7	43	0.25	0.096	23	25.3	0.38
MT850E-450N	410660	7088821	16.4	7.7	24	0.4	6.3	2.9	49	0.24	0.094	28	29.4	0.45
MT850E-425N	410656	7088793	10.0	12.6	25	0.2	6.8	3.6	53	0.30	0.102	33	37.3	0.55
MT800E-825N	410625	7089197	5.7	5.6	41	0.5	2.8	2.1	35	0.68	0.075	25	20.1	0.37
MT800E-800N	410622	7089171	7.1	4.5	61	0.6	1.5	2.1	29	1.17	0.073	17	19.6	0.38
MT800E-775N	410621	7089142	5.5	4.7	26	0.2	3.3	1.2	47	0.20	0.060	35	29.2	0.44
MT800E-750N	410621	7089121	3.3	2.3	20	0.4	1.0	0.7	44	0.25	0.080	14	24.0	0.37
MT800E-725N	410621	7089097	23.7	3.9	52	0.4	1.4	1.1	43	1.33	0.072	16	32.3	0.59
MT800E-700N	410619	7089070	15.3	5.8	25	0.3	2.5	1.2	39	0.23	0.051	19	23.6	0.47
MT800E-675N	410618	7089047	10.6	3.6	53	0.4	3.4	1.5	42	1.23	0.089	20	30.9	0.54
MT800E-650N	410619	7089019	17.4	4.5	51	0.5	8.8	1.6	42	1.20	0.081	21	28.6	0.49
MT800E-625N	410617	7088995	10.6	9.3	47	0.2	20.4	1.0	39	0.65	0.037	25	24.6	0.49
MT800E-600N	410612	7088973	7.6	8.1	50	0.4	17.0	1.8	38	0.95	0.069	33	27.0	0.56
MT800E-575N	410614	7088947	23.4	4.6	62	0.5	8.7	5.2	30	1.27	0.081	22	21.3	0.47
MT800E-550N	410610	7088920	15.0	3.5	39	0.3	19.7	3.1	43	0.77	0.081	21	28.5	0.57

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

ACME File # A405756

Analysis 1DX with 15.00 gm sample

LOCATION															
Sample ID & Grid Coordinates	UTM Coordinates		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	NAD83-Zone8														
	Easting	Northing													
MT950E-700N	410767	7089073	204	0.062	2	1.78	0.035	0.07	0.5	0.03	3.9	0.2	0	6	0.0
MT950E-675N	410770	7089044	250	0.054	2	1.73	0.039	0.07	0.5	0.07	3.1	0.2	0	5	0.6
MT950E-650N	410768	7089017	260	0.049	2	1.69	0.062	0.06	0.4	0.03	3.1	0.2	0	5	0.0
MT950E-625N	410772	7088992	165	0.029	4	1.50	0.063	0.05	0.3	0.07	2.0	0.1	0.07	4	0.5
MT950E-600N	410769	7088967	162	0.039	10	1.39	0.038	0.06	0.4	0.04	2.8	0.1	0	5	0.0
MT950E-575N	410768	7088944	245	0.029	0	1.89	0.027	0.07	0.1	0.07	4.2	0.2	0	6	0.5
MT950E-550N	410766	7088920	284	0.033	3	2.04	0.038	0.07	0.4	0.05	4.3	0.2	0	7	0.8
MT950E-525N	410766	7088897	282	0.037	21	1.67	0.033	0.12	0.9	0.11	4.1	0.6	0.1	5	1.3
MT950E-500N	410767	7088877	475	0.031	5	2.04	0.036	0.08	1.1	0.07	4.4	0.2	0	6	0.0
MT950E-475N	410769	7088847	229	0.040	2	1.37	0.015	0.06	2.0	0.06	3.6	0.1	0	5	0.0
MT950E-450N	410768	7088819	251	0.071	2	1.71	0.012	0.09	2.4	0.06	3.6	0.3	0	6	0.5
MT950E-410N	410766	7088780	294	0.074	1	1.84	0.013	0.10	2.4	0.07	4.1	0.3	0	7	0.5
MT950E-385N	410758	7088754	293	0.099	1	1.61	0.013	0.17	5.7	0.06	4.2	0.4	0	6	0.0
MT900E-825N	410723	7089196	181	0.044	2	1.12	0.043	0.05	0.5	0.05	2.6	0.1	0.07	4	0.0
MT900E-800N	410723	7089171	203	0.043	2	1.52	0.029	0.06	0.5	0.07	3.5	0.1	0.07	5	0.7
MT900E-775N	410723	7089143	299	0.042	2	1.53	0.043	0.06	0.6	0.07	3.6	0.2	0.1	5	0.8
MT900E-750N	410723	7089121	211	0.060	2	1.48	0.019	0.11	0.5	0.04	3.8	0.2	0	5	0.8
MT900E-725N	410724	7089093	195	0.046	2	1.75	0.030	0.07	0.4	0.06	3.2	0.1	0.14	6	0.8
MT900E-700N	410721	7089071	238	0.054	2	2.19	0.027	0.07	0.4	0.07	2.6	0.2	0.11	7	0.7
MT900E-675N	410728	7089046	191	0.049	1	1.63	0.024	0.08	0.4	0.06	3.1	0.1	0.06	5	0.7
MT900E-650N	410723	7089022	269	0.036	1	2.20	0.044	0.05	0.2	0.04	2.7	0.2	0.06	7	0.6
MT900E-625N	410718	7088996	192	0.041	1	1.58	0.040	0.05	0.4	0.05	2.8	0.2	0	5	0.0
MT900E-600N	410716	7088968	192	0.045	1	1.78	0.046	0.05	0.4	0.04	3.0	0.2	0	6	0.0
MT900E-575N	410715	7088946	208	0.039	5	1.70	0.045	0.06	0.4	0.04	2.8	0.2	0	5	0.6
MT900E-550N	410714	7088923	162	0.025	2	1.39	0.042	0.05	0.8	0.36	2.9	0.2	0	5	0.9
MT900E-525N	410716	7088896	316	0.027	1	1.67	0.013	0.07	1.5	0.07	4.1	0.2	0	6	0.7
MT900E-500N	410713	7088870	233	0.017	1	1.44	0.012	0.07	0.8	0.05	4.0	0.1	0	5	0.6
MT900E-475N	410716	7088842	210	0.058	1	1.41	0.014	0.07	3.3	0.04	3.3	0.2	0	5	0.5
MT900E-445N	410708	7088801	190	0.055	0	1.01	0.008	0.07	4.5	0.04	2.5	0.1	0	3	0.5
MT900E-420N	410715	7088789	209	0.074	0	1.34	0.009	0.09	2.7	0.05	3.1	0.2	0	5	0.0
MT900E-400N	410709	7088788	196	0.064	0	1.16	0.009	0.07	3.2	0.03	3.2	0.1	0	4	0.0
MT850E-575N	410660	7088944	273	0.033	3	1.62	0.038	0.09	0.4	0.18	3.9	0.2	0.13	5	0.7
MT850E-550N	410666	7088923	201	0.004	1	0.92	0.007	0.02	0.1	0.06	8.4	0.1	0.08	3	0.7
MT850E-500N	410662	7088873	235	0.051	1	1.62	0.011	0.07	1.9	0.04	2.9	0.2	0.08	5	0.8
MT850E-475N	410663	7088846	186	0.047	1	1.12	0.007	0.06	2.8	0.05	2.5	0.1	0	4	0.8
MT850E-450N	410660	7088821	221	0.061	1	1.50	0.007	0.09	1.7	0.04	3.2	0.2	0	5	0.8
MT850E-425N	410656	7088793	242	0.091	1	1.39	0.009	0.12	3.8	0.04	4.0	0.3	0	5	0.0
MT800E-825N	410625	7089197	195	0.028	2	1.33	0.024	0.05	0.7	0.07	2.5	0.1	0.09	4	0.5
MT800E-800N	410622	7089171	263	0.032	4	1.47	0.068	0.04	0.5	0.05	2.2	0.1	0.12	4	0.9
MT800E-775N	410621	7089142	262	0.033	1	1.71	0.009	0.05	0.4	0.08	3.4	0.2	0	5	0.7
MT800E-750N	410621	7089121	204	0.040	1	1.92	0.011	0.07	0.4	0.08	2.0	0.2	0.14	6	0.7
MT800E-725N	410621	7089097	282	0.071	3	2.09	0.068	0.07	0.5	0.05	3.2	0.2	0.14	7	0.7
MT800E-700N	410619	7089070	168	0.052	2	1.58	0.015	0.07	0.7	0.05	2.6	0.1	0	5	0.6
MT800E-675N	410618	7089047	338	0.043	2	1.96	0.033	0.08	0.4	0.08	2.9	0.2	0.17	6	0.8
MT800E-650N	410619	7089019	293	0.044	4	1.82	0.047	0.08	0.4	0.05	3.7	0.2	0.12	6	0.7
MT800E-625N	410617	7088995	233	0.050	1	1.30	0.030	0.15	0.4	0.02	3.8	0.3	0.16	5	0.7
MT800E-600N	410612	7088973	232	0.060	3	1.67	0.035	0.13	0.4	0.05	4.5	0.2	0.09	5	0.6
MT800E-575N	410614	7088947	229	0.033	3	1.56	0.050	0.06	0.4	0.04	3.0	0.1	0	5	0.6
MT800E-550N	410610	7088920	317	0.041	1	2.06	0.046	0.06	0.4	0.07	3.0	0.2	0.11	6	0.8

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	UTM Coordinates												
	NAD83-Zone8												
Easting	Northing												
MT800E-525N	410609	7088897	0.5	35.2	16.4	72	0.3	21.9	8.2	305	2.20	444.8	1.3
MT800E-500N	410608	7088871	1	68.5	16.1	98	0.3	23.5	10.0	594	2.83	652.7	3.0
MT800E-475N	410607	7088848	1.4	42.7	25.4	87	0.5	19.8	11.6	552	2.58	253.5	3.5
MT800E-450N	410611	7088825	1.3	41.8	12.2	78	0.3	23.3	10.8	542	2.88	154.9	4.7
MT800E-425N	410609	7088796	1.3	38.1	11.7	72	0.2	21.2	9.6	408	2.69	154.7	3.5
MT800E-400N	410600	7088770	1.1	40.6	11.0	58	0.2	16.1	7.6	280	2.39	131.0	3.7
MT750E-525N	410560	7088898	0.8	108.9	12.3	96	0.3	20.3	8.0	508	2.21	583.9	1.0
MT750E-500N	410556	7088873	0.7	101.1	28.9	110	1.0	22.3	9.0	514	2.66	783.2	2.2
MT750E-475N	410555	7088847	1.3	31.5	15.7	67	0.2	18.5	8.8	378	2.60	193.6	4.2
MT750E-450N	410556	7088823	1.6	38.3	13.5	79	0.2	19.8	11.7	677	2.83	231.0	4.0
MT750E-425N	410552	7088795	1	40.1	14.0	76	0.2	19.7	10.8	536	2.71	156.0	4.9
MT700E-700N	410524	7089088	1.3	17.9	17.1	61	0.2	18.5	27.4	5557	3.95	313.5	1.3
MT700E-675N	410523	7089050	0.6	28.5	10.3	67	0.1	23.2	8.3	241	2.26	51.0	0.7
MT700E-650N	410526	7089026	0.7	19.7	12.3	64	0.2	21.2	7.6	297	2.03	37.5	0.8
MT700E-625N	410525	7089001	0.7	20.1	13.9	56	0.2	19.6	7.8	332	1.88	50.4	0.7
MT700E-600N	410524	7088976	0.8	41.5	16.6	65	0.3	25.2	10.2	424	2.46	596.8	1.0
MT700E-575N	410525	7088949	0.8	74.1	21.1	69	0.3	21.7	9.7	390	2.77	1439.4	1.3
MT700E-550N	410527	7088924	0.8	130.6	15.4	56	0.4	22.9	12.8	371	2.91	765.9	1.1
MT700E-525N	410525	7088899	0.7	173.6	19.3	69	1.0	21.6	9.2	448	2.99	1780.3	1.5
MT700E-500N	410523	7088870	1.1	45.7	17.0	79	0.5	21.4	9.3	588	2.62	303.7	3.2
MT700E-475N	410524	7088848	1.7	45.7	18.9	83	0.4	20.2	11.6	786	2.77	365.4	5.3
MT700E-450N	410516	7088820	1.1	122.2	39.0	108	0.7	22.6	11.9	1066	3.31	976.1	5.2
MT700E-425N	410520	7088799	1.3	79.4	29.5	107	0.7	20.2	9.0	516	2.64	521.1	4.5
MT700E-400N	410513	7088775	1.4	29.2	12.8	52	0.2	14.1	6.0	238	2.38	99.0	2.4
MT700E-375N	410513	7088750	1.6	46.9	17.3	61	0.3	15.8	7.4	423	2.68	207.8	2.8
MT700E-350N	410512	7088728	1.4	51.8	16.3	66	0.3	17.5	8.4	430	2.76	228.7	3.6
MT700E-325N	410511	7088697	1.4	45.2	14.4	66	0.4	16.4	8.4	547	2.65	190.9	3.8
MT700E-300N	410510	7088674	1.7	29.4	11.4	55	0.3	14.9	6.9	302	2.19	97.6	2.7
MT600E-700N	410423	7089076	0.4	58.8	14.0	61	0.3	19.8	8.8	258	2.37	1324.9	1.9
MT600E-675N	410426	7089050	0.5	32.6	19.2	70	0.2	21.5	7.9	247	2.14	507.8	1.7
MT600E-650N	410424	7089027	0.8	43.2	27.1	77	0.4	23.9	10.5	442	2.40	415.8	1.8
MT600E-625N	410420	7089004	0.6	40.8	22.7	67	0.3	22.7	8.8	370	1.87	383.0	0.9
MT600E-600N	410421	7088982	0.6	46.3	19.9	65	0.4	24.3	11.0	391	2.18	269.5	1.1
MT600E-575N	410423	7088959	0.7	207.5	18.4	71	1.3	24.0	13.0	430	2.89	3271.4	2.1
MT600E-550N	410416	7088930	1.3	62.6	18.6	66	0.3	20.4	8.7	308	2.55	889.9	2.5
MT600E-525N	410418	7088903	1.2	46.6	19.6	59	0.3	18.6	8.6	334	2.62	803.8	2.2
MT600E-450N	410413	7088827	2.9	131.1	97.3	140	1.2	25.0	20.8	1285	5.28	3420.0	13.5
MT600E-425N	410415	7088800	1.4	74.1	16.5	72	0.3	18.3	10.9	563	3.05	615.7	6.2
MT600E-400N	410414	7088776	1.3	74.2	16.9	74	0.2	21.0	11.1	566	2.86	860.2	4.3
MT600E-375N	410411	7088749	1.2	50.5	11.9	69	0.2	19.0	8.0	385	2.62	425.2	3.3
MT600E-350N	410414	7088726	0.9	59.8	10.5	60	0.3	20.7	8.6	404	2.21	396.7	2.7
MT600E-325N	410410	7088701	1.1	64.3	11.8	68	0.4	21.9	8.5	412	2.23	226.8	2.4
MT600E-300N	410408	7088674	1.1	66.8	13.1	67	0.3	23.1	10.7	325	2.59	127.4	1.8
MT600E-275N	410404	7088654	0.9	126.4	10.9	72	0.6	24.9	11.0	378	2.58	181.7	1.5
MT600E-250N	410403	7088632	0.7	208.0	9.6	70	1.1	21.5	6.8	218	2.37	261.8	1.5
MT600E-225N	410399	7088607	0.8	634.2	10.7	77	5.6	20.5	8.0	405	2.69	1164.4	1.7
MT600E-200N	410403	7088581	1.4	93.0	12.1	76	0.4	31.5	10.2	270	2.65	104.7	2.1
MT600E-175N	410414	7088550	2	68.9	21.8	75	0.8	22.1	10.3	503	3.08	134.8	6.1
MT500E-600N	410320	7088986	0.8	33.8	22.3	68	0.2	18.5	8.4	342	2.19	432.6	1.9
MT500E-575N	410323	7088963	1	104.4	29.5	75	0.4	19.6	10.0	477	2.68	900.3	3.4
MT500E-550N	410321	7088937	0.7	64.5	15.3	63	0.3	20.1	10.9	483	2.06	657.0	3.7

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	UTM Coordinates													
	NAD83-Zone8													
	Easting	Northing												
MT800E-525N	410609	7088897	15.7	4.0	40	0.5	9.5	2.9	36	0.95	0.081	22	26.9	0.48
MT800E-500N	410608	7088871	26.6	7.8	20	0.5	31.9	3.6	45	0.30	0.098	26	27.4	0.44
MT800E-475N	410607	7088848	11.2	7.2	25	0.6	12.4	4.7	50	0.23	0.097	25	33.4	0.47
MT800E-450N	410611	7088825	68.7	12.8	21	0.3	5.9	2.6	60	0.29	0.125	33	37.7	0.58
MT800E-425N	410609	7088796	6.3	7.6	18	0.3	4.3	2.0	53	0.22	0.089	26	34.2	0.53
MT800E-400N	410600	7088770	7.9	7.5	26	0.2	2.4	2.3	51	0.24	0.085	32	35.2	0.53
MT750E-525N	410560	7088898	7.3	1.7	28	0.7	28.4	2.3	32	0.60	0.088	14	22.5	0.42
MT750E-500N	410556	7088873	61.5	4.0	34	0.8	63.4	9.7	39	0.60	0.095	23	26.9	0.52
MT750E-475N	410555	7088847	21.5	3.7	16	0.2	5.9	2.4	54	0.17	0.070	24	33.0	0.51
MT750E-450N	410556	7088823	18.2	6.4	16	0.3	9.0	2.3	54	0.22	0.097	26	32.3	0.55
MT750E-425N	410552	7088795	23.7	12.3	23	0.4	5.6	2.4	54	0.28	0.096	33	34.8	0.56
MT700E-700N	410524	7089088	4.4	5.3	55	0.6	2.7	1.2	54	0.69	0.094	15	30.0	0.51
MT700E-675N	410523	7089050	6.5	5.3	53	0.3	1.8	0.6	41	0.69	0.079	16	27.8	0.53
MT700E-650N	410526	7089026	3.5	3.3	52	0.5	1.3	0.5	36	0.67	0.046	19	23.7	0.45
MT700E-625N	410525	7089001	77.3	2.4	49	0.4	1.5	4.0	30	0.78	0.058	13	19.5	0.40
MT700E-600N	410524	7088976	16.8	3.9	41	0.3	2.8	4.4	35	0.68	0.051	19	22.2	0.46
MT700E-575N	410525	7088949	33.6	4.9	42	0.3	10.1	6.2	37	0.60	0.063	23	22.6	0.45
MT700E-550N	410527	7088924	256.3	4.4	51	0.2	7.0	36.5	36	0.69	0.057	18	26.1	0.55
MT700E-525N	410525	7088899	751.0	3.7	68	0.4	20.7	101.8	30	1.12	0.077	18	21.2	0.52
MT700E-500N	410523	7088870	44.0	7.8	21	0.4	28.3	4.8	48	0.30	0.094	26	28.8	0.46
MT700E-475N	410524	7088848	23.9	5.4	26	0.5	25.6	3.7	56	0.34	0.095	29	36.0	0.54
MT700E-450N	410516	7088820	126.1	7.7	23	1.4	122.7	11.1	32	0.27	0.092	31	19.0	0.32
MT700E-425N	410520	7088799	63.1	6.7	20	1.3	64.7	2.7	42	0.23	0.088	23	26.8	0.44
MT700E-400N	410513	7088775	4.9	1.6	15	0.2	2.5	1.8	51	0.12	0.070	16	30.6	0.41
MT700E-375N	410513	7088750	5.6	1.3	16	0.3	12.4	2.5	49	0.19	0.077	17	28.7	0.39
MT700E-350N	410512	7088728	5.2	7.4	18	0.3	11.9	3.3	47	0.24	0.080	25	30.2	0.45
MT700E-325N	410511	7088697	5.2	6.9	28	0.5	10.3	2.2	42	0.33	0.088	28	28.2	0.44
MT700E-300N	410510	7088674	1.9	4.7	23	0.2	4.4	1.5	45	0.20	0.070	20	28.2	0.45
MT600E-700N	410423	7089076	10.9	5.0	78	0.5	5.2	6.5	36	1.00	0.064	23	25.8	0.45
MT600E-675N	410426	7089050	22.1	5.3	57	0.3	5.5	2.3	34	0.68	0.047	22	22.6	0.47
MT600E-650N	410424	7089027	29.0	3.3	55	0.7	3.9	2.7	40	0.97	0.068	25	25.3	0.50
MT600E-625N	410420	7089004	17.2	4.1	105	0.9	3.1	4.2	29	2.18	0.065	22	18.9	0.39
MT600E-600N	410421	7088982	22.4	3.8	90	0.6	4.5	3.5	35	1.64	0.067	25	24.5	0.52
MT600E-575N	410423	7088959	52.0	4.9	61	0.7	11.8	12.7	35	0.88	0.071	30	22.6	0.48
MT600E-550N	410416	7088930	24.1	5.3	27	0.3	7.6	4.6	45	0.34	0.055	29	23.9	0.40
MT600E-525N	410418	7088903	12.8	4.3	23	0.2	5.8	3.5	44	0.35	0.052	24	23.9	0.42
MT600E-450N	410413	7088827	64.4	23.1	34	2.1	118.9	13.0	27	0.42	0.139	49	18.1	0.22
MT600E-425N	410415	7088800	39.2	13.1	20	0.5	80.3	3.3	55	0.42	0.133	32	41.1	0.62
MT600E-400N	410414	7088776	14.0	8.2	18	0.6	41.7	5.6	45	0.28	0.095	24	33.0	0.44
MT600E-375N	410411	7088749	75.7	4.1	19	0.1	7.2	3.1	62	0.29	0.073	21	35.4	0.69
MT600E-350N	410414	7088726	49.9	7.0	18	0.4	6.0	3.2	47	0.31	0.083	23	26.8	0.52
MT600E-325N	410410	7088701	736.8	6.4	25	0.4	6.0	15.8	52	0.42	0.095	19	29.9	0.64
MT600E-300N	410408	7088674	17.6	6.3	12	0.2	8.1	1.2	91	0.36	0.087	20	42.5	0.94
MT600E-275N	410404	7088654	97.2	6.8	19	0.3	6.6	3.9	99	0.49	0.082	20	48.0	1.20
MT600E-250N	410403	7088632	178.0	7.2	30	0.3	5.2	5.9	82	0.63	0.088	20	42.5	1.17
MT600E-225N	410399	7088607	311.5	6.5	35	0.5	9.1	26.8	55	0.61	0.085	18	32.5	0.82
MT600E-200N	410403	7088581	10.7	7.8	15	0.4	12.5	1.0	92	0.41	0.105	25	41.9	0.86
MT600E-175N	410414	7088550	3.7	5.8	16	0.3	13.1	3.3	58	0.22	0.091	31	34.6	0.52
MT500E-600N	410320	7088986	6.9	4.2	27	0.3	6.0	1.4	33	0.38	0.064	22	20.0	0.37
MT500E-575N	410323	7088963	42.7	8.1	51	0.9	27.5	4.7	31	0.78	0.076	55	19.5	0.37
MT500E-550N	410321	7088937	8.9	3.4	35	0.5	5.9	2.8	36	0.75	0.076	23	23.3	0.41



**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	UTM Coordinates														
	NAD83-Zone8														
	Easting	Northing													
MT800E-525N	410609	7088897	287	0.032	2	1.94	0.045	0.06	0.2	0.25	3.1	0.2	0.1	6	0.7
MT800E-500N	410608	7088871	286	0.042	0	1.40	0.009	0.07	1.4	0.04	4.1	0.3	0	5	0.0
MT800E-475N	410607	7088848	188	0.066	2	1.72	0.009	0.08	2.3	0.07	2.8	0.2	0	6	0.7
MT800E-450N	410611	7088825	225	0.085	2	1.59	0.010	0.11	3.3	0.05	4.2	0.3	0	5	0.5
MT800E-425N	410609	7088796	199	0.068	1	1.72	0.009	0.09	1.9	0.03	3.3	0.3	0.07	5	0.7
MT800E-400N	410600	7088770	213	0.080	1	1.49	0.010	0.10	1.4	0.03	3.2	0.3	0	6	0.6
MT750E-525N	410560	7088898	203	0.020	2	1.61	0.019	0.04	0.3	0.05	2.2	0.1	0.08	5	1.0
MT750E-500N	410556	7088873	255	0.027	2	1.73	0.027	0.06	0.9	0.08	3.3	0.2	0	6	0.5
MT750E-475N	410555	7088847	191	0.042	1	1.61	0.007	0.06	1.1	0.05	2.9	0.2	0	6	0.6
MT750E-450N	410556	7088823	195	0.056	1	1.67	0.008	0.08	2.0	0.05	3.4	0.2	0.07	6	0.7
MT750E-425N	410552	7088795	281	0.093	1	1.41	0.009	0.12	2.7	0.06	3.9	0.3	0	5	0.0
MT700E-700N	410524	7089088	380	0.035	2	1.82	0.023	0.06	0.4	0.07	3.3	0.2	0	6	0.6
MT700E-675N	410523	7089050	224	0.053	2	1.58	0.028	0.08	0.3	0.04	3.6	0.1	0	5	0.0
MT700E-650N	410526	7089026	177	0.031	2	1.62	0.030	0.06	0.3	0.04	2.7	0.1	0	5	0.5
MT700E-625N	410525	7089001	189	0.021	1	1.54	0.028	0.05	0.3	0.05	2.0	0.1	0	5	0.5
MT700E-600N	410524	7088976	211	0.025	2	1.57	0.039	0.06	0.4	0.05	2.8	0.1	0	5	0.7
MT700E-575N	410525	7088949	198	0.014	0	1.68	0.018	0.06	0.3	0.03	2.7	0.1	0	6	0.5
MT700E-550N	410527	7088924	203	0.018	1	1.75	0.027	0.05	0.3	0.05	3.0	0.2	0	6	0.8
MT700E-525N	410525	7088899	197	0.013	2	1.54	0.027	0.07	0.3	0.05	2.6	0.1	0.09	5	1.1
MT700E-500N	410523	7088870	177	0.056	1	1.24	0.007	0.07	2.5	0.04	3.0	0.2	0	5	0.0
MT700E-475N	410524	7088848	268	0.052	2	1.68	0.010	0.09	1.5	0.06	3.8	0.3	0	6	0.0
MT700E-450N	410516	7088820	220	0.020	2	0.90	0.005	0.05	1.1	0.05	3.8	0.3	0	3	0.5
MT700E-425N	410520	7088799	162	0.039	1	1.29	0.006	0.06	1.8	0.05	2.8	0.2	0	5	0.5
MT700E-400N	410513	7088775	120	0.035	1	1.46	0.007	0.05	1.3	0.04	1.9	0.2	0	6	0.6
MT700E-375N	410513	7088750	216	0.019	2	1.36	0.007	0.06	2.0	0.07	2.2	0.3	0	6	0.5
MT700E-350N	410512	7088728	172	0.053	2	1.22	0.007	0.08	2.6	0.06	3.5	0.2	0	5	0.0
MT700E-325N	410511	7088697	218	0.043	1	1.14	0.007	0.07	3.4	0.06	3.3	0.2	0	4	0.0
MT700E-300N	410510	7088674	146	0.047	2	1.18	0.006	0.06	1.4	0.04	2.5	0.2	0	4	0.0
MT600E-700N	410423	7089076	287	0.047	2	1.66	0.043	0.09	0.5	0.03	3.3	0.2	0.08	5	0.8
MT600E-675N	410426	7089050	209	0.037	3	1.76	0.037	0.07	0.5	0.03	2.8	0.1	0	5	0.6
MT600E-650N	410424	7089027	264	0.028	2	1.91	0.036	0.06	0.4	0.05	2.9	0.2	0	6	1.0
MT600E-625N	410420	7089004	265	0.027	4	1.97	0.120	0.06	0.8	0.03	2.3	0.1	0	5	0.8
MT600E-600N	410421	7088982	252	0.038	4	1.92	0.088	0.10	0.8	0.05	2.7	0.2	0	6	0.7
MT600E-575N	410423	7088959	275	0.029	2	1.62	0.040	0.07	0.7	0.05	2.8	0.2	0	5	0.9
MT600E-550N	410416	7088930	238	0.028	2	1.63	0.012	0.06	0.3	0.03	2.6	0.2	0	5	0.7
MT600E-525N	410418	7088903	221	0.020	1	1.43	0.010	0.05	0.4	0.07	2.6	0.2	0	5	0.6
MT600E-450N	410413	7088827	288	0.009	1	0.58	0.003	0.10	1.1	0.08	10.9	0.4	0	2	0.7
MT600E-425N	410415	7088800	270	0.069	1	1.51	0.006	0.17	2.7	0.02	5.4	0.4	0	6	0.6
MT600E-400N	410414	7088776	150	0.032	0	1.08	0.004	0.07	1.5	0.03	4.3	0.2	0	4	0.0
MT600E-375N	410411	7088749	182	0.051	1	1.52	0.007	0.06	1.8	0.03	3.2	0.2	0	6	0.7
MT600E-350N	410414	7088726	149	0.051	1	1.02	0.007	0.09	1.5	0.03	3.1	0.2	0	4	0.6
MT600E-325N	410410	7088701	194	0.064	1	1.18	0.011	0.11	1.2	0.04	3.2	0.2	0	4	0.8
MT600E-300N	410408	7088674	209	0.080	1	1.56	0.006	0.18	0.5	0.03	5.0	0.3	0	6	0.6
MT600E-275N	410404	7088654	276	0.095	1	1.83	0.010	0.26	0.5	0.05	5.4	0.4	0	7	0.8
MT600E-250N	410403	7088632	284	0.080	1	1.84	0.014	0.22	0.5	0.02	4.6	0.3	0	7	0.9
MT600E-225N	410399	7088607	299	0.044	2	1.45	0.015	0.12	0.4	0.05	4.0	0.2	0	6	1.0
MT600E-200N	410403	7088581	266	0.084	0	1.35	0.007	0.28	0.6	0.04	6.5	0.4	0	5	0.7
MT600E-175N	410414	7088550	197	0.036	1	1.60	0.006	0.07	2.0	0.06	4.0	0.3	0	6	0.7
MT500E-600N	410320	7088986	229	0.018	0	1.54	0.019	0.04	0.6	0.03	2.2	0.1	0	5	0.7
MT500E-575N	410323	7088963	226	0.020	1	1.49	0.043	0.07	1.0	0.04	2.6	0.2	0	5	0.8
MT500E-550N	410321	7088937	266	0.021	1	1.80	0.034	0.05	0.7	0.05	2.3	0.2	0	5	0.7

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	UTM Coordinates												
	NAD83-Zone8												
Easting	Northing												
MT500E-525N	410319	7088913	0.8	68.1	11.0	62	0.3	21.8	7.9	260	2.09	552.5	2.5
MT500E-500N	410312	7088890	0.8	56.8	20.1	70	0.4	18.6	9.6	436	2.18	314.4	1.4
MT500E-475N	410313	7088864	0.5	35.5	13.4	74	0.2	17.9	10.0	475	2.26	305.0	1.9
MT500E-450N	410312	7088837	0.2	72.3	31.1	111	0.8	20.1	9.2	416	2.20	181.5	1.2
MT500E-425N	410313	7088817	0.5	45.5	18.0	71	0.3	21.8	10.6	270	4.48	582.3	0.9
MT500E-400N	410309	7088791	0.3	59.4	20.1	79	0.5	22.2	9.6	314	2.30	161.1	1.2
MT500E-375N	410312	7088763	0.8	77.4	18.3	77	0.4	20.2	11.4	553	2.61	247.2	1.0
MT500E-350N	410309	7088740	0.7	54.5	14.9	60	0.5	21.0	7.8	345	1.98	200.2	0.8
MT500E-325N	410309	7088716	0.6	95.7	60.8	109	2.7	19.1	8.7	371	2.04	383.0	1.0
MT500E-300N	410311	7088686	0.5	57.9	28.2	66	1.2	16.1	7.1	392	1.58	182.9	1.0
MT500E-275N	410312	7088658	0.5	57.8	56.9	117	3.6	21.9	9.7	413	2.39	97.2	0.9
MT500E-250N	410304	7088634	0.5	62.4	26.1	74	0.5	17.9	8.9	360	2.13	332.5	0.8
MT500E-225N	410308	7088610	0.5	40.3	18.1	58	0.3	19.7	9.0	529	1.87	43.3	1.0
MT500E-200N	410307	7088579	0.4	36.8	10.4	65	0.2	21.0	9.4	333	1.98	26.5	0.7
MT500E-175N	410311	7088562	0.2	32.2	15.7	75	0.2	19.7	8.9	374	1.94	29.3	0.7
MT500E-150N	410304	7088538	0.3	111.2	19.5	73	2.9	20.7	9.9	394	2.59	2848.1	0.9
MT500E-125N	410297	7088508	0.7	455.2	62.2	153	3.6	26.2	11.5	657	4.34	1782.3	1.2
MT500E-100N	410303	7088485	0.7	198.1	22.9	89	0.7	22.7	18.9	1155	4.22	5822.3	1.8
MT500E-075N	410306	7088458	0.9	723.7	14.7	86	1.5	29.2	17.9	649	4.13	1267.4	1.3
MT500E-050N	410293	7088429	0.7	591.0	11.9	94	1.9	24.6	14.5	644	3.70	939.6	0.9
MT500E-000N	410302	7088385	1	209.4	12.6	79	0.8	29.0	10.8	679	3.83	635.0	1.3
MT400W-650S	409358	7087747	1	16.1	9.8	56	0.1	15.5	6.1	222	2.19	26.9	1.6
MT400W-625S	409362	7087771	0.8	14.8	9.0	51	0.1	15.0	5.6	179	1.94	24.7	1.9
MT400W-600S	409364	7087797	1.4	18.2	11.4	61	0.2	17.7	7.2	226	2.44	35.2	3.0
MT400W-575S	409358	7087826	1	18.5	9.8	63	0.2	18.4	8.6	429	2.20	23.3	2.6
MT400W-550S	409366	7087847	1.1	19.9	9.9	62	0.1	19.9	8.9	410	2.20	23.1	2.9
MT400E-500N	410216	7088886	0.8	43.8	13.0	92	0.3	21.0	8.9	356	2.14	93.9	1.0
MT400E-450N	410210	7088835	0.4	42.8	13.8	76	0.2	23.7	9.5	190	2.05	31.0	0.9
MT400E-400N	410208	7088782	0.7	26.6	21.8	100	0.2	23.3	10.5	1537	2.14	86.7	0.9
MT400E-350N	410208	7088719	0.6	38.0	21.9	78	0.2	23.9	9.8	367	2.28	78.7	1.2
MT400E-300N	410206	7088680	0.5	52.9	32.7	73	0.5	19.3	8.7	392	2.10	195.2	0.9
MT400E-250N	410209	7088632	0.5	39.6	31.2	77	0.3	19.3	8.0	273	2.06	117.9	0.8
MT400E-225N	410209	7088608	0.4	39.4	38.5	73	0.4	15.7	7.4	437	1.38	157.9	0.8
MT400E-200N	410207	7088581	0.4	24.9	32.9	59	0.2	19.8	8.7	347	1.65	20.1	0.7
MT400E-175N	410209	7088556	0.5	19.1	17.7	43	0.2	16.9	7.0	396	1.57	28.4	0.7
MT400E-150N	410208	7088529	0.5	22.2	53.0	42	0.3	19.6	9.6	466	1.63	16.4	0.5
MT400E-125N	410206	7088508	0.8	33.1	50.1	72	0.5	19.3	9.9	555	1.85	60.6	1.6
MT400E-100N	410205	7088486	1	23.9	14.2	43	0.2	13.6	6.6	229	2.12	411.3	0.9
MT300W-650S	409462	7087741	1	21.4	9.3	66	0.1	20.3	8.3	401	2.23	31.9	4.5
MT300W-625S	409463	7087765	1	18.8	9.4	62	0.1	18.9	7.4	321	2.15	26.6	3.4
MT300W-600S	409462	7087788	1	17.7	10.3	64	0.2	17.6	8.0	317	2.28	31.9	4.9
MT300E-450N	410116	7088833	0.5	18.5	12.3	54	0.1	17.7	7.4	412	1.90	20.6	0.8
MT300E-400N	410115	7088786	0.5	14.6	7.9	49	0.1	16.1	6.6	281	1.67	15.3	0.7
MT300E-350N	410106	7088733	0.3	36.4	14.3	68	0.2	23.6	9.3	290	2.20	26.6	0.7
MT300E-300N	410113	7088690	1.5	47.5	22.6	75	0.5	17.0	9.8	994	2.01	72.2	1.7
MT300E-250N	410103	7088637	0.8	52.0	22.8	66	0.4	19.4	7.4	256	2.08	118.8	1.0
MT300E-230N	410108	7088617	0.5	83.8	37.7	118	0.5	31.2	9.9	607	3.33	70.1	0.7
MT300E-225N	410104	7088613	0.7	47.9	20.2	67	0.3	20.9	8.4	340	2.24	125.1	1.1
MT300E-200N	410109	7088592	0.9	43.6	21.5	73	0.4	21.3	8.6	366	2.57	144.0	1.2
MT300E-175N	410103	7088563	0.5	72.2	51.9	81	1.4	17.6	7.9	373	2.14	303.6	1.3
MT300E-150N	410110	7088532	0.6	109.1	167.4	144	2.8	18.7	7.5	514	2.18	128.9	0.7

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	UTM Coordinates													
	NAD83-Zone8													
	Easting	Northing												
MT500E-525N	410319	7088913	10.6	3.7	26	0.3	5.0	2.1	35	0.40	0.070	20	24.3	0.45
MT500E-500N	410312	7088890	37.0	6.0	56	0.7	11.6	3.3	36	0.83	0.090	21	25.5	0.43
MT500E-475N	410313	7088864	9.5	2.3	26	0.5	4.4	1.4	41	0.54	0.075	16	25.3	0.46
MT500E-450N	410312	7088837	34.4	6.2	89	1.2	11.1	3.5	34	1.33	0.095	22	27.5	0.64
MT500E-425N	410313	7088817	32.4	5.9	43	0.5	8.0	2.2	43	0.70	0.091	19	26.5	0.47
MT500E-400N	410309	7088791	12.2	5.1	49	0.8	6.9	2.1	39	0.96	0.090	20	27.0	0.54
MT500E-375N	410312	7088763	15.1	7.9	45	0.7	13.2	5.5	49	0.67	0.098	25	34.7	0.60
MT500E-350N	410309	7088740	8.5	6.1	51	1.0	5.7	1.3	35	0.70	0.093	20	20.3	0.38
MT500E-325N	410309	7088716	45.7	5.1	112	2.6	31.6	6.3	31	1.52	0.095	21	22.3	0.73
MT500E-300N	410311	7088686	22.4	5.3	160	1.0	12.4	4.1	21	2.45	0.106	21	19.7	0.65
MT500E-275N	410312	7088658	28.6	5.9	107	4.2	36.6	3.7	34	2.80	0.104	25	28.7	1.46
MT500E-250N	410304	7088634	11.6	4.1	91	0.8	7.1	10.0	32	1.83	0.090	21	22.6	0.70
MT500E-225N	410308	7088610	11.2	3.7	86	0.6	2.9	5.5	28	2.07	0.081	21	24.6	0.51
MT500E-200N	410307	7088579	5.3	5.5	90	0.3	5.8	1.0	33	2.85	0.073	19	23.7	0.89
MT500E-175N	410311	7088562	8.1	5.2	95	0.6	2.9	0.9	34	1.47	0.073	19	26.2	0.67
MT500E-150N	410304	7088538	75.2	6.0	66	0.6	11.7	32.5	32	1.40	0.083	24	26.3	0.63
MT500E-125N	410297	7088508	37.1	9.2	70	4.0	26.8	20.7	38	1.35	0.097	34	31.0	0.69
MT500E-100N	410303	7088485	260.8	7.7	135	0.6	20.0	31.3	42	1.30	0.068	14	32.1	0.81
MT500E-075N	410306	7088458	259.0	6.6	56	0.7	6.2	32.9	37	0.94	0.069	30	25.1	0.62
MT500E-050N	410293	7088429	289.1	5.2	42	0.6	35.2	41.2	43	1.45	0.077	24	27.2	0.51
MT500E-000N	410302	7088385	117.4	6.4	40	0.7	17.5	7.7	61	1.83	0.080	26	32.2	1.20
MT400W-650S	409358	7087747	10.3	2.9	18	0.1	1.2	0.4	44	0.19	0.069	18	27.9	0.45
MT400W-625S	409362	7087771	8.8	2.8	15	0.1	1.2	0.4	42	0.17	0.069	20	25.9	0.42
MT400W-600S	409364	7087797	6.1	2.5	22	0.1	1.4	0.7	51	0.21	0.071	23	34.0	0.51
MT400W-575S	409358	7087826	4.2	8.6	21	0.3	1.2	0.5	44	0.26	0.079	26	29.2	0.49
MT400W-550S	409366	7087847	2.5	8.6	19	0.2	1.2	0.4	42	0.21	0.074	25	28.4	0.49
MT400E-500N	410216	7088886	18.2	6.6	71	0.7	2.5	4.9	54	0.87	0.086	25	27.0	0.74
MT400E-450N	410210	7088835	25.3	6.2	39	0.4	2.0	3.0	56	0.63	0.080	21	31.4	0.59
MT400E-400N	410208	7088782	6.7	3.5	46	0.6	2.6	1.5	40	0.63	0.091	18	25.0	0.46
MT400E-350N	410208	7088719	5.7	6.8	58	0.4	3.4	1.1	45	0.72	0.094	24	27.8	0.55
MT400E-300N	410206	7088680	24.2	6.5	151	1.0	13.6	3.9	34	1.87	0.099	23	27.8	0.77
MT400E-250N	410209	7088632	10.5	5.5	152	0.5	15.4	1.9	33	2.96	0.102	21	25.2	0.78
MT400E-225N	410209	7088608	3.3	4.3	178	1.0	6.3	0.9	18	2.69	0.090	17	17.1	0.65
MT400E-200N	410207	7088581	17.0	5.1	138	0.7	9.0	1.8	29	3.95	0.088	21	23.6	0.69
MT400E-175N	410209	7088556	7.7	3.4	101	0.3	1.2	0.6	26	2.26	0.070	18	20.7	0.40
MT400E-150N	410208	7088529	15.6	3.5	94	1.0	1.1	0.3	22	1.82	0.062	24	17.0	0.36
MT400E-125N	410206	7088508	10.5	5.9	53	1.9	1.2	0.7	28	1.07	0.061	27	20.4	0.36
MT400E-100N	410205	7088486	26.7	3.1	23	0.2	1.2	4.1	43	0.27	0.031	14	21.7	0.30
MT300W-650S	409462	7087741	9.3	8.0	23	0.3	1.3	0.5	44	0.25	0.069	26	28.5	0.47
MT300W-625S	409463	7087765	8.1	5.7	23	0.2	1.1	0.5	43	0.25	0.072	26	29.0	0.46
MT300W-600S	409462	7087788	11.1	10.1	20	0.2	1.6	0.6	48	0.26	0.080	33	33.8	0.52
MT300E-450N	410116	7088833	13.3	5.5	71	0.5	1.2	0.4	36	1.03	0.089	20	20.9	0.40
MT300E-400N	410115	7088786	0.6	4.4	39	0.3	1.0	0.2	32	0.65	0.077	17	16.2	0.34
MT300E-350N	410106	7088733	6.3	5.6	34	0.3	1.2	1.4	44	0.52	0.070	19	29.2	0.49
MT300E-300N	410113	7088690	10.0	1.9	32	1.0	16.1	2.4	55	0.54	0.108	18	37.2	0.60
MT300E-250N	410103	7088637	15.6	6.8	51	0.7	5.2	2.3	37	0.68	0.098	22	21.4	0.40
MT300E-230N	410108	7088617	9.0	7.3	163	1.1	25.1	2.4	39	5.23	0.077	28	30.9	1.68
MT300E-225N	410104	7088613	16.7	5.1	69	0.5	3.4	3.7	38	1.03	0.079	21	23.1	0.58
MT300E-200N	410109	7088592	10.5	6.4	63	0.6	5.4	2.6	48	0.95	0.082	24	28.1	1.00
MT300E-175N	410103	7088563	11.5	4.6	75	1.2	11.9	8.0	32	1.24	0.079	19	22.4	0.40
MT300E-150N	410110	7088532	5.5	3.6	68	2.9	5.1	10.7	28	0.92	0.046	18	17.3	0.39

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	UTM Coordinates														
	NAD83-Zone8														
	Easting	Northing													
MT500E-525N	410319	7088913	243	0.032	0	1.58	0.021	0.05	0.4	0.04	2.5	0.2	0	5	0.7
MT500E-500N	410312	7088890	224	0.040	2	1.45	0.035	0.06	2.5	0.04	3.2	0.2	0	4	0.5
MT500E-475N	410313	7088864	192	0.025	1	1.54	0.012	0.04	0.4	0.03	2.8	0.2	0	5	0.5
MT500E-450N	410312	7088837	247	0.035	4	1.99	0.050	0.05	0.9	0.04	3.9	0.1	0	6	0.5
MT500E-425N	410313	7088817	228	0.036	1	1.42	0.027	0.04	0.9	0.03	3.5	0.1	0	4	0.6
MT500E-400N	410309	7088791	237	0.037	3	1.60	0.033	0.04	0.5	0.05	3.7	0.1	0	5	0.5
MT500E-375N	410312	7088763	259	0.072	1	1.27	0.020	0.10	1.9	0.04	4.2	0.2	0	4	0.5
MT500E-350N	410309	7088740	149	0.043	2	1.11	0.041	0.06	1.1	0.02	2.9	0.1	0	3	0.5
MT500E-325N	410309	7088716	182	0.027	5	1.81	0.067	0.06	0.9	0.05	2.6	0.1	0	5	0.6
MT500E-300N	410311	7088686	170	0.036	9	2.59	0.107	0.07	0.7	0.04	2.5	0.1	0	7	0.8
MT500E-275N	410312	7088658	245	0.042	6	2.32	0.038	0.07	1.1	0.05	4.2	0.1	0	7	0.6
MT500E-250N	410304	7088634	179	0.034	5	1.98	0.042	0.06	0.5	0.05	3.0	0.1	0	6	0.6
MT500E-225N	410308	7088610	189	0.028	6	2.02	0.063	0.05	0.5	0.07	2.7	0.1	0.07	5	0.7
MT500E-200N	410307	7088579	192	0.033	2	1.57	0.034	0.06	0.2	0.03	3.6	0.1	0	5	0.0
MT500E-175N	410311	7088562	163	0.044	4	1.91	0.066	0.06	0.3	0.05	3.5	0.1	0	6	0.7
MT500E-150N	410304	7088538	182	0.023	4	1.59	0.056	0.06	0.3	0.08	4.2	0.1	0	5	1.2
MT500E-125N	410297	7088508	567	0.023	3	1.70	0.037	0.07	0.4	0.17	6.4	0.7	0	6	1.0
MT500E-100N	410303	7088485	548	0.013	2	2.66	0.056	0.10	0.3	0.03	5.2	0.3	0	9	1.4
MT500E-075N	410306	7088458	399	0.040	3	2.25	0.053	0.08	0.5	0.03	3.4	0.2	0	7	1.9
MT500E-050N	410293	7088429	236	0.030	3	1.25	0.030	0.06	0.3	0.07	4.8	0.2	0	4	1.0
MT500E-000N	410302	7088385	368	0.052	2	1.71	0.020	0.08	0.4	0.04	5.2	0.3	0	5	0.9
MT400W-650S	409358	7087747	146	0.039	2	1.27	0.007	0.07	0.6	0.03	1.8	0.2	0	4	0.0
MT400W-625S	409362	7087771	146	0.045	2	1.22	0.008	0.07	0.5	0.02	1.9	0.2	0	5	0.6
MT400W-600S	409364	7087797	269	0.049	2	1.61	0.010	0.09	0.5	0.03	2.5	0.3	0	6	0.8
MT400W-575S	409358	7087826	247	0.073	2	1.19	0.009	0.09	1.4	0.02	2.8	0.2	0	4	0.0
MT400W-550S	409366	7087847	257	0.056	1	1.32	0.008	0.09	0.8	0.03	2.9	0.2	0	4	0.0
MT400E-500N	410216	7088886	254	0.072	2	1.72	0.055	0.14	0.6	0.04	3.5	0.3	0	5	0.0
MT400E-450N	410210	7088835	267	0.063	1	1.95	0.031	0.07	0.4	0.04	4.1	0.2	0	5	0.5
MT400E-400N	410208	7088782	313	0.040	2	1.97	0.032	0.04	0.6	0.05	2.8	0.1	0	6	0.0
MT400E-350N	410208	7088719	255	0.054	3	1.96	0.049	0.06	0.9	0.05	3.8	0.1	0	6	0.0
MT400E-300N	410206	7088680	200	0.032	6	2.20	0.078	0.07	2.3	0.05	3.2	0.1	0	7	0.0
MT400E-250N	410209	7088632	180	0.023	4	1.86	0.053	0.05	0.9	0.05	3.4	0.1	0	6	0.0
MT400E-225N	410209	7088608	162	0.018	7	2.34	0.103	0.06	2.0	0.06	2.1	0.1	0	6	0.0
MT400E-200N	410207	7088581	222	0.025	4	1.68	0.041	0.08	0.6	0.05	3.0	0.1	0	4	0.0
MT400E-175N	410209	7088556	147	0.035	6	1.88	0.072	0.05	0.5	0.07	2.2	0.1	0.07	5	0.0
MT400E-150N	410208	7088529	154	0.023	4	1.93	0.085	0.04	0.4	0.07	1.9	0.1	0.06	4	0.5
MT400E-125N	410206	7088508	131	0.021	4	2.00	0.057	0.04	1.3	0.06	2.4	0.1	0	5	0.7
MT400E-100N	410205	7088486	129	0.030	2	1.72	0.012	0.04	0.5	0.04	2.3	0.1	0	6	0.7
MT300W-650S	409462	7087741	234	0.065	1	1.23	0.009	0.11	0.9	0.02	3.0	0.2	0	5	0.6
MT300W-625S	409463	7087765	271	0.053	1	1.29	0.009	0.10	0.6	0.04	2.7	0.2	0	5	0.5
MT300W-600S	409462	7087788	216	0.084	1	1.41	0.009	0.14	1.6	0.03	3.0	0.3	0	5	0.0
MT300E-450N	410116	7088833	170	0.040	3	1.25	0.067	0.05	1.1	0.06	2.2	0.1	0	4	0.5
MT300E-400N	410115	7088786	144	0.037	2	0.80	0.029	0.04	0.6	0.03	1.7	0.1	0	2	0.0
MT300E-350N	410106	7088733	231	0.053	2	1.83	0.022	0.06	0.3	0.04	3.9	0.1	0	5	0.0
MT300E-300N	410113	7088690	213	0.044	2	1.66	0.017	0.08	0.5	0.06	2.9	0.3	0.06	6	0.9
MT300E-250N	410103	7088637	148	0.047	3	1.09	0.041	0.05	1.5	0.05	2.8	0.1	0	3	0.0
MT300E-230N	410108	7088617	214	0.006	2	1.42	0.014	0.17	0.1	0.01	7.4	0.2	0	6	0.0
MT300E-225N	410104	7088613	191	0.059	3	1.62	0.064	0.07	1.5	0.05	2.7	0.2	0	4	0.6
MT300E-200N	410109	7088592	290	0.083	3	1.76	0.059	0.31	1.2	0.05	3.2	0.3	0	5	0.0
MT300E-175N	410103	7088563	167	0.038	6	1.39	0.065	0.05	0.7	0.06	2.6	0.1	0	4	0.6
MT300E-150N	410110	7088532	150	0.027	4	1.42	0.057	0.05	0.5	0.06	2.4	0.2	0	4	0.6

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	UTM Coordinates												
	NAD83-Zone8												
Easting	Northing												
MT300E-125N	410104	7088508	1	21.1	41.4	67	0.3	14.8	6.7	446	1.95	66.9	0.6
MT300E-100N	410099	7088480	0.4	745.8	183.5	119	29.7	16.5	9.0	290	7.86	10000.0	0.7
MT200E-300N	410007	7088689	0.6	50.3	12.4	65	0.2	22.2	9.7	233	2.30	24.0	0.8
MT200E-275N	410008	7088664	0.6	57.6	18.8	85	0.4	25.6	8.1	211	2.66	44.5	0.8
MT200E-250N	410004	7088637	1.3	47.1	13.8	75	0.3	24.9	8.3	246	2.36	47.0	1.4
MT200E-225N	410000	7088620	1.1	58.9	17.7	69	0.6	20.8	9.2	251	2.42	94.9	1.0
MT200E-200N	410011	7088588	1.9	134.9	19.3	86	0.8	27.3	10.9	384	2.48	105.5	2.3
MT200E-175N	410010	7088559	2	123.3	18.8	102	0.8	32.4	14.1	349	2.66	192.9	2.4
MT200E-150N	410006	7088533	1.3	143.0	33.2	94	1.6	27.1	12.5	417	2.69	348.4	1.8
MT200E-125N	410008	7088516	1	172.1	40.3	99	2.7	25.0	11.4	388	2.82	464.2	1.8
MT200E-100N	410006	7088483	0.7	59.2	154.2	204	1.1	19.3	7.9	514	2.33	188.3	0.8
MT16W-950N	408202	7089376	3.1	39.4	31.6	290	0.4	101.9	32.7	1081	3.80	14.3	4.7
MT16W-900N	408206	7089327	2.9	15.4	14.6	58	0.3	14.5	3.8	93	1.72	9.6	1.1
MT16W-850N	408202	7089279	3.3	43.0	17.0	77	0.4	30.3	9.6	737	2.01	5.3	2.0
MT16W-800N	408202	7089232	2.6	39.4	72.3	180	0.4	27.8	8.0	248	2.05	71.4	1.4
MT16W-750N	408195	7089182	2.6	37.6	32.4	96	0.4	28.2	9.9	442	2.18	6.8	1.6
MT16W-700N	408195	7089130	8.1	45.2	22.1	123	0.5	43.4	9.3	326	2.34	7.1	2.2
MT16W-650N	408198	7089079	4	31.1	13.8	81	0.3	30.2	7.4	220	2.03	6.7	1.0
MT16W-600N	408194	7089026	1.9	128.7	27.3	90	0.2	33.2	17.1	478	5.18	20.2	0.7
MT16W-550N	408197	7088972	8.2	49.2	48.2	78	1.1	22.6	3.8	141	2.48	25.2	3.6
MT16W-500N	408192	7088921	1.1	14.7	68.6	78	0.3	16.5	6.9	275	2.38	17.8	1.1
MT16W-450N	408190	7088879	1.4	36.5	15.8	83	0.2	24.3	8.5	439	2.25	3.7	0.9
MT16W-400N	408184	7088823	5.1	38.3	26.0	53	0.5	41.2	21.0	391	4.59	14.2	1.1
MT16W-1450N	408216	7089877	1.9	34.1	20.7	140	0.6	36.4	12.6	296	2.56	20.9	2.9
MT16W-1400N	408213	7089822	2.1	40.6	9.4	99	0.4	44.8	20.2	1310	3.65	7.8	1.1
MT16W-1300N	408211	7089720	3.9	47.2	9.9	97	0.5	37.9	20.3	702	2.80	6.3	1.5
MT16W-1250N	408212	7089669	1.4	30.5	7.9	70	0.3	29.0	16.7	516	2.49	5.6	1.0
MT16W-1200N	408213	7089624	1.9	35.1	8.5	65	0.3	28.0	13.8	285	2.70	6.0	1.0
MT16W-1150N	408209	7089569	2.2	35.7	9.3	90	0.4	39.4	19.3	743	2.55	4.5	1.1
MT16W-1100N	408206	7089518	1.5	24.0	20.0	83	0.4	35.0	12.0	328	2.37	9.3	0.9
MT16W-1050N	408208	7089473	1.8	46.3	20.0	96	0.5	49.2	18.8	906	2.78	14.4	1.7
MT16W-1000N	408204	7089424	4.1	26.0	12.9	94	0.4	37.0	10.7	189	2.63	11.7	2.4
MT15W-1300N	408319	7089725	1	28.8	10.2	65	0.2	19.1	8.0	375	2.16	72.2	3.4
MT15W-1275N	408314	7089697	6	58.4	9.3	124	0.5	44.9	22.4	647	4.41	12.3	1.9
MT15W-1250N	408309	7089670	3	38.9	11.6	95	0.5	42.8	24.4	778	3.41	7.7	1.5
MT15W-1225N	408301	7089643	2.9	36.5	10.6	70	0.6	32.3	10.9	237	2.81	5.5	1.2
MT15W-1200N	408311	7089621	1.1	32.2	9.8	32	0.4	25.1	7.7	222	2.45	5.1	1.1
MT15W-1175N	408309	7089598	6.4	24.2	16.9	108	0.5	45.0	40.3	1182	4.42	10.8	1.3
MT1500E-800N	411319	7089168	1.2	165.3	18.7	56	0.2	44.1	25.6	349	3.76	506.0	2.2
MT1500E-775N	411315	7089126	0.7	63.3	10.5	55	0.2	29.0	13.3	348	3.27	914.9	2.0
MT1500E-750N	411321	7089107	0.7	47.4	10.3	58	0.2	31.2	17.7	424	2.94	1236.1	1.2
MT1500E-725N	411317	7089077	1	139.6	44.8	90	1.2	41.4	21.1	672	5.20	1415.2	1.6
MT1500E-700N	411320	7089055	1.2	175.1	253.1	111	3.1	33.9	14.3	569	3.85	1059.5	1.9
MT1500E-675N	411317	7089031	1.6	127.1	75.4	103	1.6	36.0	13.6	550	3.30	886.2	1.3
MT1500E-650N	411312	7089004	2.4	354.8	20.3	90	5.1	46.0	19.2	681	5.44	3497.6	2.5
MT1500E-625N	411313	7088980	2.7	310.8	22.2	92	3.1	55.6	21.9	801	4.61	2832.6	2.8
MT1500E-600N	411319	7088950	0.5	55.1	13.1	53	0.3	22.3	11.8	376	1.92	190.2	1.3
MT1500E-575N	411318	7088926	0.6	108.1	19.1	61	0.5	28.1	18.0	457	3.13	1372.6	1.6
MT1500E-550N	411317	7088901	0.5	37.5	19.2	54	0.2	19.3	8.6	391	1.64	113.6	1.6
MT1500E-525N	411311	7088876	0.7	52.4	16.9	64	0.3	26.1	11.1	386	2.18	227.1	2.4
MT1500E-500N	411314	7088853	0.6	34.9	22.0	48	0.3	16.7	6.8	383	1.72	111.8	1.7

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	UTM Coordinates													
	NAD83-Zone8													
	Easting	Northing												
MT300E-125N	410104	7088508	7.9	2.4	84	1.1	1.5	1.8	54	1.78	0.049	18	21.6	0.42
MT300E-100N	410099	7088480	65.2	6.9	150	5.4	68.8	210.8	28	3.97	0.069	19	23.3	0.41
MT200E-300N	410007	7088689	10.6	6.3	37	0.4	1.2	1.6	45	0.58	0.075	19	27.8	0.47
MT200E-275N	410008	7088664	7.9	7.1	39	0.3	4.4	2.1	57	0.56	0.082	22	36.6	0.54
MT200E-250N	410004	7088637	6.4	5.7	27	0.7	7.1	1.6	60	0.36	0.080	21	35.7	0.71
MT200E-225N	410000	7088620	13.7	5.2	21	1.2	9.6	3.4	50	0.26	0.069	20	26.4	0.55
MT200E-200N	410011	7088588	23.8	5.3	37	0.7	5.3	4.7	67	0.43	0.103	20	29.1	0.83
MT200E-175N	410010	7088559	112.9	3.8	54	1.0	2.8	13.2	66	0.40	0.112	16	27.7	0.74
MT200E-150N	410006	7088533	35.8	3.7	36	1.1	4.8	9.7	48	0.47	0.079	19	27.0	0.60
MT200E-125N	410008	7088516	123.7	4.1	33	1.8	7.6	26.9	41	0.45	0.062	23	27.9	0.57
MT200E-100N	410006	7088483	3.7	3.7	55	4.0	4.3	3.7	32	1.01	0.059	19	20.0	0.40
MT16W-950N	408202	7089376	2.9	3.8	85	0.9	6.2	0.4	51	0.21	0.130	25	36.7	0.44
MT16W-900N	408206	7089327	2.8	2.7	36	0.2	1.6	0.2	45	0.21	0.086	17	22.2	0.57
MT16W-850N	408202	7089279	3.8	3.4	35	0.5	2.9	0.2	45	0.55	0.062	18	25.1	1.40
MT16W-800N	408202	7089232	5.4	4.9	27	1.3	12.2	0.2	37	0.37	0.051	19	24.2	1.52
MT16W-750N	408195	7089182	4.6	3.4	37	0.5	2.7	0.2	31	0.60	0.057	18	22.1	1.12
MT16W-700N	408195	7089130	5.0	6.1	45	0.4	2.4	0.2	74	0.48	0.084	25	32.8	1.90
MT16W-650N	408198	7089079	2.9	4.0	19	0.3	1.3	0.2	38	0.25	0.042	18	22.5	0.77
MT16W-600N	408194	7089026	3.4	4.1	5	0.2	3.7	0.4	16	0.04	0.036	17	17.3	0.78
MT16W-550N	408197	7088972	4.8	3.3	208	1.1	14.6	0.3	40	0.12	0.188	26	23.5	0.22
MT16W-500N	408192	7088921	2.2	4.0	15	0.2	2.2	0.4	44	0.16	0.048	22	26.5	0.43
MT16W-450N	408190	7088879	3.7	6.1	94	0.3	1.5	0.2	26	0.79	0.276	30	24.9	1.95
MT16W-400N	408184	7088823	2.8	2.4	66	0.4	5.0	0.1	82	0.16	0.130	19	42.8	0.98
MT16W-1450N	408216	7089877	4.3	7.4	58	0.7	3.4	0.6	54	0.53	0.094	30	35.8	0.73
MT16W-1400N	408213	7089822	2.8	2.1	70	0.5	2.6	0.1	51	0.37	0.128	22	33.1	0.72
MT16W-1300N	408211	7089720	1.1	2.2	89	0.8	1.7	0.1	50	0.26	0.104	19	29.6	0.62
MT16W-1250N	408212	7089669	2.8	2.5	66	0.4	0.9	0.1	44	0.25	0.095	16	28.6	0.63
MT16W-1200N	408213	7089624	1.4	2.0	79	0.5	1.1	0.1	48	0.28	0.106	16	29.9	0.65
MT16W-1150N	408209	7089569	0.6	1.3	88	0.8	1.2	0.1	44	0.37	0.121	17	37.5	0.65
MT16W-1100N	408206	7089518	0.9	1.8	89	0.6	4.7	0.3	40	0.35	0.109	16	32.6	0.52
MT16W-1050N	408208	7089473	2.9	1.6	119	0.8	3.9	0.2	45	0.64	0.126	20	39.3	0.56
MT16W-1000N	408204	7089424	1.3	3.0	111	0.3	2.0	0.2	44	0.29	0.103	16	26.6	0.58
MT15W-1300N	408319	7089725	3.8	7.3	51	0.3	3.1	0.7	44	0.63	0.087	25	28.8	0.64
MT15W-1275N	408314	7089697	1.6	2.6	119	1.2	2.8	0.2	53	0.30	0.121	17	28.6	0.62
MT15W-1250N	408309	7089670	1.0	2.4	110	0.5	1.6	0.2	52	0.28	0.122	19	31.8	0.75
MT15W-1225N	408301	7089643	1.1	0.6	97	0.6	1.2	0.1	45	0.20	0.137	16	31.4	0.63
MT15W-1200N	408311	7089621	1.1	0.4	95	0.6	1.0	0.2	34	0.26	0.133	14	27.3	0.54
MT15W-1175N	408309	7089598	1.1	1.9	165	0.5	2.8	0.2	76	0.20	0.137	20	38.1	0.87
MT1500E-800N	411319	7089168	4.7	9.1	43	0.3	6.9	2.5	36	0.37	0.076	53	23.7	0.55
MT1500E-775N	411315	7089126	5.3	5.4	46	0.2	18.2	8.1	43	0.51	0.049	34	22.2	0.55
MT1500E-750N	411321	7089107	11.5	5.2	50	0.5	20.5	5.1	38	0.45	0.056	20	24.5	0.68
MT1500E-725N	411317	7089077	87.6	7.8	48	0.5	450.6	12.3	51	0.87	0.092	35	27.8	0.99
MT1500E-700N	411320	7089055	185.7	4.5	46	1.2	725.2	12.1	50	0.47	0.073	20	28.3	0.71
MT1500E-675N	411317	7089031	130.7	4.5	45	0.9	541.4	6.8	49	0.45	0.063	18	25.9	0.67
MT1500E-650N	411312	7089004	262.8	4.8	89	0.8	402.8	29.0	51	0.90	0.101	22	31.6	0.81
MT1500E-625N	411313	7088980	198.2	5.0	85	0.6	264.1	15.9	51	1.16	0.109	21	33.6	0.89
MT1500E-600N	411319	7088950	9.9	4.6	62	0.5	6.2	5.7	32	1.30	0.078	19	20.6	0.53
MT1500E-575N	411318	7088926	58.2	5.2	82	0.5	8.3	30.2	38	1.63	0.085	24	20.5	0.50
MT1500E-550N	411317	7088901	4.0	4.1	81	0.5	9.5	1.9	26	1.67	0.086	19	18.6	0.37
MT1500E-525N	411311	7088876	4.1	5.5	63	0.2	21.1	3.1	37	1.12	0.080	27	23.5	0.48
MT1500E-500N	411314	7088853	7.5	4.1	59	0.3	47.1	2.4	25	1.39	0.075	23	15.8	0.32

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	UTM Coordinates														
	NAD83-Zone8														
	Easting	Northing													
MT300E-125N	410104	7088508	154	0.052	3	1.66	0.052	0.06	0.3	0.06	2.2	0.1	0	7	0.6
MT300E-100N	410099	7088480	378	0.007	4	1.75	0.033	0.21	0.3	0.08	4.5	0.6	0.57	6	2.4
MT200E-300N	410007	7088689	227	0.055	1	1.65	0.025	0.06	0.5	0.04	3.9	0.1	0	5	0.5
MT200E-275N	410008	7088664	310	0.070	1	2.17	0.024	0.06	0.4	0.05	5.1	0.2	0	6	0.0
MT200E-250N	410004	7088637	274	0.078	2	1.62	0.010	0.17	0.3	0.05	4.4	0.4	0	5	0.0
MT200E-225N	410000	7088620	184	0.055	1	1.47	0.009	0.09	0.3	0.05	3.4	0.3	0	5	0.7
MT200E-200N	410011	7088588	279	0.072	2	1.94	0.029	0.13	1.0	0.02	3.6	0.2	0	6	1.0
MT200E-175N	410010	7088559	164	0.053	2	2.28	0.033	0.14	1.4	0.10	2.8	0.2	0.08	6	1.8
MT200E-150N	410006	7088533	163	0.040	2	1.77	0.026	0.06	0.8	0.07	3.2	0.2	0	5	1.1
MT200E-125N	410008	7088516	166	0.032	1	1.63	0.022	0.06	0.7	0.05	3.4	0.2	0	5	0.9
MT200E-100N	410006	7088483	128	0.032	9	1.61	0.035	0.05	0.6	0.05	2.8	0.2	0	4	0.6
MT16W-950N	408202	7089376	803	0.026	1	1.39	0.009	0.08	0.2	0.05	3.6	0.2	0	4	0.9
MT16W-900N	408206	7089327	438	0.010	1	1.13	0.005	0.09	0.1	0.07	2.2	0.2	0	4	0.8
MT16W-850N	408202	7089279	348	0.020	3	1.37	0.006	0.14	0.1	0.05	3.1	0.3	0	4	1.2
MT16W-800N	408202	7089232	249	0.023	2	1.37	0.005	0.13	0.1	0.05	3.2	0.2	0	4	0.8
MT16W-750N	408195	7089182	263	0.016	2	1.24	0.007	0.11	0.1	0.03	3.3	0.2	0	3	0.7
MT16W-700N	408195	7089130	306	0.030	5	1.61	0.006	0.27	0.1	0.02	3.6	0.3	0	5	1.1
MT16W-650N	408198	7089079	197	0.030	3	1.12	0.007	0.16	0.1	0.02	2.6	0.2	0	4	0.0
MT16W-600N	408194	7089026	97	0.010	1	1.03	0.004	0.10	0.1	0.07	2.3	0.1	0	3	0.6
MT16W-550N	408197	7088972	490	0.012	1	0.82	0.013	0.19	0.1	0.02	2.2	0.4	0.33	2	4.1
MT16W-500N	408192	7088921	229	0.030	0	1.39	0.006	0.05	0.2	0.04	2.6	0.1	0	4	0.0
MT16W-450N	408190	7088879	198	0.023	2	1.46	0.005	0.20	0.0	0.03	4.4	0.2	0	5	0.0
MT16W-400N	408184	7088823	346	0.018	1	1.65	0.013	0.04	0.1	0.02	2.9	0.1	0.1	5	1.2
MT16W-1450N	408216	7089877	287	0.056	2	1.50	0.018	0.11	0.4	0.06	4.2	0.2	0	5	0.8
MT16W-1400N	408213	7089822	352	0.007	1	1.71	0.007	0.03	0.1	0.08	3.7	0.1	0.06	5	0.7
MT16W-1300N	408211	7089720	381	0.015	1	1.40	0.012	0.03	0.1	0.10	3.0	0.1	0	4	1.0
MT16W-1250N	408212	7089669	436	0.017	1	1.28	0.007	0.03	0.2	0.05	2.5	0.1	0	4	1.0
MT16W-1200N	408213	7089624	681	0.012	0	1.38	0.008	0.03	0.1	0.06	3.0	0.1	0	4	1.1
MT16W-1150N	408209	7089569	1189	0.013	1	1.43	0.009	0.04	0.1	0.10	2.9	0.1	0.07	4	0.8
MT16W-1100N	408206	7089518	1157	0.015	1	1.18	0.009	0.04	0.2	0.06	2.4	0.1	0.07	4	1.2
MT16W-1050N	408208	7089473	2232	0.016	1	1.47	0.011	0.06	0.2	0.06	3.1	0.1	0.08	4	1.0
MT16W-1000N	408204	7089424	849	0.008	1	1.20	0.005	0.05	0.1	0.08	2.5	0.1	0	4	1.1
MT15W-1300N	408319	7089725	230	0.061	2	1.27	0.037	0.12	1.7	0.02	2.8	0.2	0	5	0.5
MT15W-1275N	408314	7089697	388	0.023	1	1.26	0.025	0.04	0.1	0.07	2.6	0.1	0.15	4	1.6
MT15W-1250N	408309	7089670	436	0.019	1	1.35	0.013	0.04	0.1	0.05	2.5	0.1	0.08	4	1.3
MT15W-1225N	408301	7089643	322	0.010	1	1.25	0.017	0.03	0.1	0.06	1.6	0.1	0.1	4	1.0
MT15W-1200N	408311	7089621	602	0.010	1	1.18	0.006	0.03	0.1	0.08	1.7	0.1	0.08	4	1.6
MT15W-1175N	408309	7089598	521	0.021	1	1.47	0.014	0.04	0.1	0.06	1.9	0.1	0	5	1.4
MT1500E-800N	411319	7089168	142	0.045	1	2.20	0.015	0.06	0.4	0.05	2.8	0.1	0	6	1.3
MT1500E-775N	411315	7089126	206	0.036	1	1.66	0.028	0.06	1.0	0.05	3.3	0.2	0	5	0.7
MT1500E-750N	411321	7089107	204	0.053	1	1.82	0.022	0.10	1.1	0.03	2.9	0.2	0	6	0.0
MT1500E-725N	411317	7089077	207	0.032	4	1.91	0.027	0.16	0.2	0.06	7.7	0.3	0.06	7	1.0
MT1500E-700N	411320	7089055	198	0.031	3	1.65	0.026	0.07	0.2	0.13	5.3	0.3	0.1	5	1.0
MT1500E-675N	411317	7089031	168	0.038	4	1.77	0.036	0.09	0.2	0.06	4.3	0.3	0.09	6	0.8
MT1500E-650N	411312	7089004	244	0.044	7	2.04	0.035	0.14	0.4	0.08	5.3	0.5	0.2	7	2.1
MT1500E-625N	411313	7088980	192	0.049	6	2.24	0.042	0.14	0.2	0.10	5.8	0.4	0.14	7	2.2
MT1500E-600N	411319	7088950	180	0.050	6	1.61	0.055	0.06	0.7	0.02	2.6	0.1	0	5	0.9
MT1500E-575N	411318	7088926	290	0.042	11	2.12	0.097	0.06	0.7	0.06	2.8	0.1	0	6	1.5
MT1500E-550N	411317	7088901	165	0.036	8	1.97	0.094	0.05	0.7	0.04	2.1	0.1	0	5	0.6
MT1500E-525N	411311	7088876	189	0.043	6	1.82	0.068	0.06	1.0	0.05	3.0	0.1	0	5	0.7
MT1500E-500N	411314	7088853	156	0.014	8	1.65	0.059	0.04	0.7	0.05	2.4	0.1	0.08	4	0.6

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	UTM Coordinates												
	NAD83-Zone8												
Easting	Northing												
MT1500E-475N	411312	7088821	0.7	85.0	12.7	69	0.5	21.1	8.1	340	2.29	256.6	1.2
MT1500E-450N	411306	7088802	0.8	249.6	20.7	81	1.0	26.6	13.7	570	3.28	1249.5	1.4
MT1500E-425N	411312	7088779	0.9	619.9	79.4	81	4.9	13.1	6.6	372	11.65	6160.5	2.2
MT1500E-400N	411309	7088752	1.3	141.4	15.4	91	1.1	23.8	9.7	666	3.00	784.5	4.7
MT1500E-375N	411303	7088738	1.1	336.3	37.2	98	13.6	14.9	8.3	735	12.76	10000.0	2.6
MT1500E-350N	411313	7088703	1.2	131.6	14.5	93	0.5	21.9	10.6	470	2.63	439.7	7.1
MT1500E-325N	411309	7088680	1.2	104.7	9.1	68	0.4	19.7	11.6	402	2.49	397.6	4.6
MT1500E-300N	411307	7088656	1.2	76.8	8.2	64	0.3	20.2	8.9	422	2.30	274.6	4.1
MT1500E-275N	411309	7088625	0.5	578.3	18.3	66	0.9	11.4	13.0	535	2.97	1775.4	14.6
MT1400E-800N	411217	7089153	0.7	54.7	13.0	75	0.2	26.9	17.2	642	3.05	470.1	1.7
MT1400E-775N	411219	7089130	0.8	74.2	14.6	75	0.2	33.2	21.0	455	3.91	1100.8	1.4
MT1400E-750N	411221	7089103	0.3	16.8	15.4	32	0.1	10.5	5.6	408	0.94	14.6	0.6
MT1400E-725N	411219	7089073	0.8	26.9	15.4	57	0.1	22.6	10.2	401	2.18	286.1	0.9
MT1400E-700N	411221	7089052	0.9	19.4	13.5	59	0.1	22.7	9.3	346	2.13	21.4	0.9
MT1400E-675N	411221	7089031	0.8	90.6	18.6	95	1.6	24.3	10.5	420	2.98	820.9	0.9
MT1400E-650N	411216	7089004	0.9	90.5	21.2	89	1.0	36.5	15.1	722	4.12	740.6	1.6
MT1400E-625N	411216	7088981	1.3	95.6	12.7	71	0.5	36.1	14.3	506	3.27	574.2	1.5
MT1400E-600N	411215	7088949	0.7	53.8	15.6	65	0.2	23.6	9.9	389	2.12	236.7	1.4
MT1400E-575N	411215	7088931	0.6	36.9	16.6	56	0.2	22.4	8.6	365	1.86	141.6	1.3
MT1400E-550N	411215	7088906	0.7	52.0	11.8	61	0.4	25.0	10.7	611	2.64	405.4	1.3
MT1400E-525N	411214	7088880	0.6	60.1	15.8	55	0.3	17.2	7.4	558	1.35	149.2	1.7
MT1400E-500N	411215	7088858	0.9	105.7	17.1	76	0.6	23.2	8.9	442	2.29	287.0	2.0
MT1400E-475N	411211	7088827	0.8	100.0	13.4	69	0.4	16.9	7.5	469	2.16	281.7	1.0
MT1400E-450N	411216	7088807	0.9	336.8	40.3	98	2.7	19.2	7.8	602	3.01	1115.1	1.1
MT1400E-425N	411215	7088784	0.5	227.6	20.2	102	1.6	17.5	6.9	370	2.58	1669.8	1.7
MT1400E-400N	411210	7088760	1	193.3	19.8	105	1.1	21.2	8.5	360	2.72	522.8	2.7
MT1400E-375N	411213	7088736	1.1	130.6	11.6	76	0.5	21.5	9.7	458	2.50	415.3	3.4
MT1400E-350N	411211	7088701	1.2	74.6	9.1	67	0.3	19.2	8.4	371	2.31	364.3	5.5
MT1400E-325N	411202	7088685	1.1	87.2	9.9	61	0.4	19.2	8.1	345	2.26	500.8	5.4
MT1400E-300N	411210	7088658	1.4	111.7	10.1	75	0.4	22.7	10.3	442	2.59	638.3	7.1
MT1400E-275N	411203	7088628	1.3	96.5	9.2	69	0.5	21.1	9.4	475	2.29	472.4	4.8
MT1300E-800N	411123	7089159	0.9	46.8	14.3	82	0.2	32.7	17.8	482	3.32	219.2	2.0
MT1300E-775N	411121	7089130	0.8	33.1	10.1	65	0.2	22.2	9.7	458	2.48	180.7	2.6
MT1300E-750N	411125	7089107	0.9	32.2	8.6	55	0.1	21.9	10.1	288	2.63	185.8	1.4
MT1300E-700N	411120	7089058	0.3	49.2	10.7	70	0.1	24.5	10.3	205	2.90	192.3	0.6
MT1300E-675N	411112	7089036	0.1	28.4	10.8	58	0.1	23.1	9.0	264	2.53	33.1	0.6
MT1300E-650N	411117	7089011	0.3	25.0	14.7	57	0.2	18.5	8.0	279	1.87	97.3	0.7
MT1300E-625N	411117	7088985	0.6	79.0	19.0	80	0.4	24.7	9.9	388	2.62	368.8	1.7
MT1300E-600N	411113	7088963	0.9	128.6	19.9	151	0.5	27.8	19.2	491	2.83	205.2	1.5
MT1300E-575N	411118	7088926	0.5	129.3	17.0	52	0.4	21.7	8.6	346	1.75	358.5	1.3
MT1300E-550N	411113	7088915	0.5	86.1	14.0	43	0.3	18.8	8.7	396	1.55	189.9	1.2
MT1300E-525N	411114	7088888	0.7	67.4	15.3	77	0.3	19.0	7.4	348	2.16	185.6	1.3
MT1300E-500N	411120	7088858	0.9	305.6	18.9	61	1.8	15.4	8.8	751	2.27	457.8	4.8
MT1300E-475N	411115	7088829	0.6	192.6	26.4	83	1.7	18.2	8.5	493	3.15	1025.4	1.0
MT1300E-450N	411111	7088809	1	198.8	25.5	130	1.9	20.5	9.4	540	3.15	729.6	3.3
MT1300E-425N	411107	7088777	1	88.3	14.0	82	0.4	23.0	10.2	491	2.62	488.8	4.1
MT1300E-400N	411107	7088750	1.4	50.6	10.9	85	0.2	23.2	11.0	634	2.44	285.1	3.9
MT1300E-375N	411113	7088731	1.1	75.6	9.5	75	0.4	22.8	9.2	472	2.38	499.8	6.3
MT1300E-350N	411114	7088714	1.3	94.8	10.3	72	0.4	20.0	9.0	481	2.47	544.2	7.4
MT1300E-325N	411111	7088683	0.9	102.8	8.2	70	0.3	21.4	9.1	386	2.25	583.6	5.6
MT1300E-300N	411104	7088649	1.1	98.1	9.6	72	0.5	22.0	9.2	444	2.45	587.1	4.8



**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	UTM Coordinates													
	NAD83-Zone8													
	Easting	Northing												
MT1500E-475N	411312	7088821	14.5	3.2	30	0.5	62.6	4.9	39	0.51	0.070	18	22.7	0.43
MT1500E-450N	411306	7088802	22.5	5.4	36	0.8	164.8	11.8	33	0.37	0.056	20	21.6	0.54
MT1500E-425N	411312	7088779	102.8	8.2	28	1.4	1739.3	44.5	27	0.25	0.081	20	20.6	0.37
MT1500E-400N	411309	7088752	58.7	6.6	43	0.5	93.1	13.0	47	0.77	0.080	28	32.7	0.62
MT1500E-375N	411303	7088738	509.1	8.4	87	0.6	454.2	40.6	27	0.71	0.068	31	20.1	0.23
MT1500E-350N	411313	7088703	21.7	8.0	38	0.4	58.6	6.5	47	0.40	0.090	35	30.2	0.66
MT1500E-325N	411309	7088680	28.5	8.6	25	0.4	64.6	6.0	47	0.25	0.084	28	31.5	0.50
MT1500E-300N	411307	7088656	12.2	9.1	19	0.2	48.4	2.6	45	0.25	0.085	28	28.1	0.47
MT1500E-275N	411309	7088625	32.9	29.4	85	0.7	129.4	16.7	44	0.99	0.122	80	45.5	1.03
MT1400E-800N	411217	7089153	23.6	5.7	110	0.5	10.6	11.2	40	0.88	0.097	26	29.1	0.75
MT1400E-775N	411219	7089130	22.6	7.2	159	0.3	12.9	4.0	45	0.67	0.073	24	31.9	0.75
MT1400E-750N	411221	7089103	3.3	1.4	112	0.3	0.7	1.2	15	2.79	0.081	15	13.8	0.23
MT1400E-725N	411219	7089073	5.9	3.6	70	0.4	1.9	9.1	36	1.12	0.053	18	23.9	0.46
MT1400E-700N	411221	7089052	15.9	2.5	35	0.2	1.3	3.3	40	0.73	0.058	16	22.1	0.36
MT1400E-675N	411221	7089031	127.1	5.5	47	0.6	583.1	15.7	38	1.00	0.078	22	24.3	0.46
MT1400E-650N	411216	7089004	191.9	5.9	49	0.7	2000.0	4.9	42	0.83	0.078	31	27.2	0.52
MT1400E-625N	411216	7088981	75.4	5.8	54	0.3	286.6	3.9	46	0.92	0.086	26	25.1	0.52
MT1400E-600N	411215	7088949	30.4	5.0	74	0.4	15.0	3.7	37	1.40	0.086	22	23.6	0.45
MT1400E-575N	411215	7088931	15.2	5.0	75	0.3	6.1	1.8	30	1.41	0.065	21	22.7	0.43
MT1400E-550N	411215	7088906	34.9	5.7	68	0.3	25.3	2.8	37	1.09	0.086	22	23.3	0.49
MT1400E-525N	411214	7088880	9.2	3.4	93	0.6	11.4	2.8	21	2.23	0.116	20	15.0	0.26
MT1400E-500N	411215	7088858	15.4	3.4	56	0.7	17.2	8.3	37	1.24	0.079	23	22.2	0.40
MT1400E-475N	411211	7088827	16.3	1.2	20	0.3	75.0	8.0	34	0.35	0.080	15	20.0	0.36
MT1400E-450N	411216	7088807	29.6	2.4	36	1.3	77.4	28.2	29	1.17	0.094	16	19.1	0.36
MT1400E-425N	411215	7088784	61.1	5.6	26	1.2	1051.5	13.1	29	0.58	0.070	21	20.6	0.69
MT1400E-400N	411210	7088760	40.7	4.0	35	1.2	73.4	15.7	40	0.71	0.087	24	24.5	0.44
MT1400E-375N	411213	7088736	20.9	4.7	32	0.5	33.5	8.5	42	0.41	0.075	24	25.0	0.41
MT1400E-350N	411211	7088701	18.2	7.2	19	0.3	49.4	3.4	47	0.24	0.074	33	27.7	0.45
MT1400E-325N	411202	7088685	15.9	8.2	16	0.2	83.1	4.2	47	0.22	0.076	28	27.8	0.44
MT1400E-300N	411210	7088658	36.9	9.8	20	0.4	21.6	7.8	55	0.28	0.093	34	31.8	0.52
MT1400E-275N	411203	7088628	16.8	8.8	18	0.3	10.5	5.1	49	0.24	0.084	32	27.7	0.47
MT1300E-800N	411123	7089159	8.0	5.8	64	0.4	4.0	3.2	46	0.40	0.077	26	32.0	0.79
MT1300E-775N	411121	7089130	4.7	7.6	63	0.2	2.1	2.7	39	0.44	0.069	29	24.9	0.53
MT1300E-750N	411125	7089107	2.9	7.1	53	0.1	6.6	0.9	42	0.46	0.055	24	30.5	0.95
MT1300E-700N	411120	7089058	4.0	5.6	60	0.3	2.2	0.5	39	0.88	0.070	15	26.9	0.47
MT1300E-675N	411112	7089036	4.2	6.1	47	0.2	2.5	0.8	42	0.85	0.056	15	29.1	0.53
MT1300E-650N	411117	7089011	9.2	3.4	41	0.2	4.8	2.5	30	0.72	0.065	14	20.9	0.36
MT1300E-625N	411117	7088985	41.9	5.5	93	0.7	128.8	6.5	40	1.59	0.095	25	29.2	0.62
MT1300E-600N	411113	7088963	18.8	3.2	71	1.7	7.3	3.2	53	1.66	0.111	20	23.9	0.63
MT1300E-575N	411118	7088926	13.2	3.7	93	0.3	10.2	5.7	23	2.19	0.114	19	17.4	0.35
MT1300E-550N	411113	7088915	8.5	3.6	109	0.6	6.7	4.6	21	2.55	0.113	17	15.7	0.31
MT1300E-525N	411114	7088888	17.1	5.7	54	0.6	15.8	3.8	35	1.27	0.101	21	20.3	0.38
MT1300E-500N	411120	7088858	24.1	2.8	59	0.8	38.5	10.9	27	1.83	0.146	47	19.9	0.29
MT1300E-475N	411115	7088829	33.5	3.7	27	0.8	304.4	31.1	29	0.73	0.075	16	19.0	0.35
MT1300E-450N	411111	7088809	46.4	3.9	45	1.1	157.4	20.3	40	0.68	0.100	25	28.4	0.50
MT1300E-425N	411107	7088777	26.5	7.4	44	0.5	51.1	7.0	47	0.56	0.086	30	29.0	0.50
MT1300E-400N	411107	7088750	11.4	6.9	20	0.5	17.9	4.2	48	0.29	0.094	24	28.8	0.47
MT1300E-375N	411113	7088731	42.5	9.1	22	0.4	31.4	5.2	51	0.29	0.085	35	29.0	0.46
MT1300E-350N	411114	7088714	20.0	9.9	29	0.3	27.6	5.5	52	0.31	0.089	35	30.2	0.47
MT1300E-325N	411111	7088683	40.5	7.9	23	0.3	5.3	4.3	49	0.31	0.085	33	26.2	0.44
MT1300E-300N	411104	7088649	51.8	9.3	25	0.3	5.9	11.6	52	0.28	0.083	29	30.2	0.52

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	UTM Coordinates														
	NAD83-Zone8														
Easting	Northing														
MT1500E-475N	411312	7088821	181	0.039	4	1.61	0.023	0.06	1.2	0.04	2.4	0.1	0	4	0.8
MT1500E-450N	411306	7088802	169	0.039	2	1.47	0.015	0.06	0.6	0.05	3.1	0.2	0	4	1.2
MT1500E-425N	411312	7088779	147	0.025	4	1.01	0.007	0.09	0.8	0.06	3.9	0.3	0.11	4	10.4
MT1500E-400N	411309	7088752	218	0.057	3	1.71	0.018	0.08	2.9	0.05	2.9	0.3	0.07	6	1.8
MT1500E-375N	411303	7088738	184	0.003	6	1.02	0.008	0.30	0.3	0.11	4.5	1.6	0.96	6	6.3
MT1500E-350N	411313	7088703	191	0.067	2	1.62	0.009	0.09	1.5	0.06	3.3	0.2	0	5	0.5
MT1500E-325N	411309	7088680	180	0.070	2	1.30	0.008	0.08	2.9	0.04	2.7	0.2	0	4	0.5
MT1500E-300N	411307	7088656	150	0.071	2	1.22	0.008	0.09	2.4	0.04	2.6	0.2	0	4	0.6
MT1500E-275N	411309	7088625	106	0.017	1	2.86	0.004	0.30	0.5	0.03	7.2	0.5	0	9	0.5
MT1400E-800N	411217	7089153	266	0.044	1	2.89	0.029	0.19	0.8	0.08	3.7	0.2	0	8	0.7
MT1400E-775N	411219	7089130	230	0.047	1	3.16	0.017	0.16	0.5	0.04	4.1	0.2	0	8	0.7
MT1400E-750N	411221	7089103	87	0.018	5	1.77	0.109	0.02	0.2	0.05	0.9	0.1	0.12	4	0.5
MT1400E-725N	411219	7089073	190	0.032	2	2.11	0.066	0.05	0.5	0.04	2.5	0.1	0	6	0.6
MT1400E-700N	411221	7089052	194	0.032	2	2.33	0.025	0.04	0.3	0.04	2.2	0.1	0.06	7	0.0
MT1400E-675N	411221	7089031	177	0.034	4	1.44	0.044	0.09	0.3	0.07	5.3	0.4	0	4	0.0
MT1400E-650N	411216	7089004	242	0.028	4	1.50	0.034	0.10	0.0	0.08	6.8	0.5	0	5	0.5
MT1400E-625N	411216	7088981	218	0.030	3	1.46	0.047	0.08	0.6	0.07	5.4	0.3	0.06	5	0.0
MT1400E-600N	411215	7088949	191	0.049	6	1.90	0.099	0.06	1.4	0.05	2.7	0.1	0	5	0.5
MT1400E-575N	411215	7088931	158	0.047	5	2.34	0.115	0.05	0.7	0.05	2.5	0.1	0.06	6	0.0
MT1400E-550N	411215	7088906	205	0.044	6	1.74	0.075	0.06	1.0	0.07	3.0	0.1	0	5	0.6
MT1400E-525N	411214	7088880	168	0.022	7	2.12	0.150	0.04	0.3	0.07	1.7	0.1	0.09	5	0.7
MT1400E-500N	411215	7088858	224	0.032	4	1.85	0.044	0.06	0.4	0.09	2.6	0.1	0.08	5	0.7
MT1400E-475N	411211	7088827	160	0.025	3	1.67	0.015	0.05	0.6	0.06	1.4	0.1	0.08	5	0.6
MT1400E-450N	411216	7088807	186	0.022	6	1.45	0.026	0.06	0.5	0.07	2.3	0.2	0.11	4	1.4
MT1400E-425N	411215	7088784	211	0.027	4	1.15	0.011	0.06	0.4	0.06	2.7	0.4	0	3	1.1
MT1400E-400N	411210	7088760	189	0.039	6	1.44	0.016	0.06	1.7	0.05	2.7	0.2	0	5	1.1
MT1400E-375N	411213	7088736	222	0.043	2	1.70	0.016	0.07	2.8	0.08	2.4	0.2	0	6	0.7
MT1400E-350N	411211	7088701	137	0.063	1	1.28	0.008	0.09	2.5	0.03	2.9	0.2	0	4	0.5
MT1400E-325N	411202	7088685	135	0.063	1	1.20	0.009	0.08	4.2	0.04	2.8	0.2	0	4	0.6
MT1400E-300N	411210	7088658	179	0.083	1	1.36	0.010	0.11	4.3	0.04	3.3	0.3	0	5	0.0
MT1400E-275N	411203	7088628	165	0.062	1	1.34	0.007	0.09	3.2	0.03	2.6	0.3	0	4	0.0
MT1300E-800N	411123	7089159	268	0.057	1	2.65	0.018	0.15	0.6	0.09	4.0	0.3	0	8	0.8
MT1300E-775N	411121	7089130	234	0.044	1	1.65	0.023	0.09	0.5	0.06	3.7	0.2	0	5	0.5
MT1300E-750N	411125	7089107	236	0.060	1	2.19	0.015	0.29	0.4	0.02	4.4	0.5	0	7	0.6
MT1300E-700N	411120	7089058	154	0.042	2	1.58	0.046	0.07	0.2	0.04	4.1	0.1	0	5	0.5
MT1300E-675N	411112	7089036	205	0.057	2	1.79	0.054	0.06	0.1	0.04	4.0	0.1	0	6	0.5
MT1300E-650N	411117	7089011	161	0.030	3	2.14	0.048	0.05	0.5	0.05	2.3	0.1	0.07	6	0.0
MT1300E-625N	411117	7088985	250	0.037	5	2.22	0.100	0.06	1.0	0.07	4.9	0.1	0.08	7	0.6
MT1300E-600N	411113	7088963	258	0.049	4	2.08	0.060	0.07	0.3	0.07	3.7	0.1	0.1	7	0.8
MT1300E-575N	411118	7088926	148	0.022	7	2.13	0.124	0.04	0.5	0.06	2.3	0.1	0.11	6	1.3
MT1300E-550N	411113	7088915	160	0.025	8	2.11	0.136	0.04	0.4	0.06	1.9	0.1	0.1	5	1.1
MT1300E-525N	411114	7088888	152	0.032	8	1.35	0.039	0.05	1.6	0.08	2.5	0.1	0	4	0.0
MT1300E-500N	411120	7088858	299	0.015	8	1.90	0.017	0.05	0.3	0.18	2.6	0.2	0.2	5	2.1
MT1300E-475N	411115	7088829	219	0.014	6	1.13	0.012	0.05	0.9	0.06	2.3	0.3	0.08	4	1.0
MT1300E-450N	411111	7088809	233	0.030	2	1.61	0.015	0.07	1.5	0.08	3.4	0.2	0.1	6	1.2
MT1300E-425N	411107	7088777	224	0.053	2	1.71	0.012	0.07	3.0	0.04	3.1	0.2	0	6	0.5
MT1300E-400N	411107	7088750	167	0.058	2	1.61	0.009	0.08	2.3	0.07	2.6	0.2	0	5	0.7
MT1300E-375N	411113	7088731	208	0.065	1	1.37	0.009	0.10	2.7	0.06	2.9	0.2	0	5	0.5
MT1300E-350N	411114	7088714	200	0.068	1	1.35	0.010	0.10	6.5	0.03	3.1	0.2	0	5	0.6
MT1300E-325N	411111	7088683	187	0.061	1	1.11	0.009	0.08	2.5	0.04	2.9	0.2	0	4	0.0
MT1300E-300N	411104	7088649	223	0.071	1	1.44	0.009	0.10	3.2	0.03	3.2	0.3	0	5	0.0

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	UTM Coordinates												
	NAD83-Zone8												
Easting	Northing												
MT1300E-275N	411106	7088633	1.2	36.1	8.8	73	0.2	21.9	9.0	473	2.27	168.7	5.6
MT1200E-650N	411017	7089009	0.5	59.3	15.7	74	0.4	24.6	8.3	346	2.32	181.7	1.0
MT1200E-625N	411015	7088988	0.8	77.7	15.1	82	0.3	27.3	10.4	341	2.59	226.5	1.4
MT1200E-600N	411014	7088962	0.4	104.6	15.5	65	0.5	18.6	8.3	417	1.91	392.0	1.4
MT1200E-575N	411013	7088935	0.6	102.5	11.1	68	0.3	24.3	12.0	340	2.73	349.7	1.3
MT1200E-550N	411014	7088911	0.9	93.3	18.3	59	0.7	13.6	5.6	611	1.54	655.9	1.9
MT1200E-525N	411013	7088884	0.7	201.6	18.8	80	1.3	17.5	7.5	518	2.18	553.1	1.6
MT1200E-500N	411012	7088859	0.8	230.7	20.2	99	1.8	21.7	9.1	440	2.86	1113.0	2.4
MT1200E-475N	411015	7088835	1	114.8	12.6	80	0.5	21.7	10.8	465	2.76	588.2	2.9
MT1200E-450N	411010	7088814	0.8	41.5	7.7	70	0.2	22.3	8.8	421	2.32	120.3	1.8
MT1200E-425N	411011	7088784	1	61.0	10.0	66	0.3	19.2	9.1	406	2.26	246.8	3.2
MT1200E-400N	411011	7088756	1.2	80.5	9.6	70	0.4	18.8	8.9	510	2.15	441.5	5.7
MT1150E-650N	410977	7089018	0.6	49.3	13.9	65	0.2	21.1	8.4	378	2.11	240.9	1.0
MT1150E-625N	410974	7088995	0.7	79.6	14.6	85	0.3	27.8	11.9	447	2.43	226.6	1.3
MT1150E-600N	410971	7088970	0.8	62.5	9.9	63	0.2	23.3	8.0	413	2.45	120.9	1.3
MT1150E-575N	410971	7088943	0.5	78.0	16.4	74	0.5	20.0	8.2	650	2.35	449.5	1.6
MT1150E-550N	410968	7088920	0.5	89.6	16.8	84	0.6	13.7	6.8	567	2.01	257.1	1.4
MT1150E-525N	410965	7088892	0.5	124.8	14.3	53	0.7	14.3	6.3	374	1.75	216.1	1.3
MT1150E-500N	410962	7088868	0.9	176.8	23.2	111	1.7	19.7	10.7	704	3.14	1013.7	4.1
MT1150E-475N	410955	7088841	1.2	96.7	11.3	70	0.5	21.6	12.5	589	2.74	405.0	4.2
MT1150E-450N	410956	7088818	1	60.7	10.1	71	0.3	21.0	9.7	530	2.43	257.5	3.2
MT1150E-425N	410956	7088793	1.5	51.7	11.0	67	0.3	17.9	8.1	359	2.44	447.1	2.8
MT1150E-400N	410957	7088774	1.1	45.9	10.0	69	0.3	19.3	9.1	561	2.28	319.6	3.8
MT1100E-675N	410921	7089038	0.2	32.6	12.6	56	0.1	24.0	8.9	146	1.76	38.5	1.1
MT1100E-650N	410919	7089015	0.3	29.8	15.0	64	0.2	19.7	6.9	166	1.65	39.6	1.1
MT1100E-625N	410921	7088992	0.7	65.6	15.0	83	0.3	26.8	10.7	575	2.68	278.3	1.3
MT1100E-600N	410919	7088966	0.7	79.4	13.8	77	0.6	17.6	6.6	348	2.14	214.0	1.8
MT1100E-575N	410924	7088939	0.5	72.8	11.7	75	0.4	17.6	6.7	289	2.11	391.6	1.0
MT1100E-550N	410918	7088913	0.6	89.0	12.1	70	0.5	16.8	7.2	489	2.47	123.6	1.5
MT1100E-525N	410913	7088889	0.6	69.0	14.4	70	0.4	18.1	7.4	482	2.18	149.9	1.3
MT1100E-500N	410913	7088868	1.1	281.9	104.5	95	3.4	19.7	10.4	547	3.35	1165.3	3.5
MT1100E-475N	410915	7088838	0.9	104.3	11.5	73	0.5	24.7	9.8	425	2.48	252.4	2.4
MT1100E-425N	410913	7088793	1.1	101.7	11.3	72	0.5	24.2	11.4	620	2.80	311.4	3.6
MT1100E-400N	410910	7088768	1	42.0	10.3	70	0.2	22.4	8.9	439	2.29	222.2	2.2
MT1050E-650N	410869	7089024	1.1	13.2	11.0	42	0.1	14.6	7.9	210	2.16	44.3	0.6
MT1050E-625N	410871	7089000	0.5	31.1	10.3	60	0.1	20.5	9.8	210	2.56	141.4	1.1
MT1050E-600N	410871	7088971	0.5	80.7	17.9	87	0.3	24.9	11.1	360	2.21	318.8	1.8
MT1050E-575N	410867	7088947	0.7	44.7	11.7	63	0.3	18.0	7.2	505	2.05	77.8	0.9
MT1050E-550N	410869	7088923	0.6	74.5	14.7	79	0.5	18.0	7.9	631	2.15	274.1	1.5
MT1050E-525N	410867	7088899	0.6	51.4	11.4	56	0.3	18.1	7.0	579	2.09	105.7	1.2
MT1050E-500N	410867	7088869	0.9	111.2	11.9	85	0.7	21.0	9.5	550	2.91	1008.7	2.2
MT1050E-475N	410867	7088845	0.9	187.8	15.0	78	1.2	22.1	14.1	623	3.09	1129.6	2.8
MT1050E-450N	410864	7088820	1.1	136.2	12.3	77	0.8	25.5	11.6	523	3.12	1257.5	3.7
MT1050E-425N	410862	7088802	1.2	140.0	10.3	70	0.4	23.8	12.1	526	2.64	771.8	3.5
MT1050E-400N	410865	7088765	1.2	42.2	9.8	69	0.2	22.2	8.8	447	2.36	174.4	2.9
MT100E-450S	409888	7087939	1.6	25.4	9.3	94	0.2	20.9	8.4	349	2.21	88.5	4.6
MT100E-425S	409894	7087962	1.4	31.9	10.1	84	0.2	23.7	8.8	334	2.31	87.2	4.6
MT100E-400S	409895	7087992	0.8	27.8	9.5	65	0.2	22.1	8.7	211	1.93	13.7	1.5
MT100E-375S	409893	7088013	0.5	51.5	8.7	71	0.3	21.6	7.5	273	1.67	24.2	2.5
MT100E-350S	409891	7088042	0.6	86.2	11.1	76	0.4	26.6	9.4	463	2.06	30.0	4.2
MT100E-325S	409885	7088074	0.4	80.3	12.3	112	0.4	24.8	10.6	257	2.21	21.0	1.7

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	UTM Coordinates													
	NAD83-Zone8													
	Easting	Northing												
MT1300E-275N	411106	7088633	14.7	10.5	19	0.3	6.2	2.1	53	0.27	0.083	37	29.1	0.47
MT1200E-650N	411017	7089009	15.9	3.5	67	0.3	49.5	3.6	35	1.55	0.084	17	30.2	0.67
MT1200E-625N	411015	7088988	18.7	6.3	53	0.5	23.3	3.2	44	0.98	0.103	22	29.2	0.61
MT1200E-600N	411014	7088962	19.5	4.1	84	0.5	9.6	9.3	25	1.79	0.103	18	18.4	0.37
MT1200E-575N	411013	7088935	44.8	9.0	47	0.4	21.6	6.4	44	1.05	0.090	25	35.6	0.68
MT1200E-550N	411014	7088911	31.5	3.8	66	0.8	17.8	11.1	17	2.35	0.131	18	18.9	0.28
MT1200E-525N	411013	7088884	80.8	2.4	31	0.4	92.3	26.3	27	0.88	0.092	18	19.7	0.38
MT1200E-500N	411012	7088859	47.1	3.2	27	0.4	164.3	19.1	37	0.33	0.099	25	30.3	0.54
MT1200E-475N	411015	7088835	58.4	3.7	36	0.4	39.9	11.5	44	0.44	0.080	25	29.0	0.47
MT1200E-450N	411010	7088814	20.2	7.2	24	0.6	8.9	1.9	41	0.31	0.085	22	23.6	0.40
MT1200E-425N	411011	7088784	8.9	7.7	24	0.4	15.7	3.4	42	0.27	0.083	25	26.4	0.44
MT1200E-400N	411011	7088756	15.9	8.1	29	0.4	18.3	5.4	41	0.34	0.087	29	27.0	0.44
MT1150E-650N	410977	7089018	16.6	5.4	53	0.4	14.9	4.4	35	0.97	0.081	21	23.7	0.50
MT1150E-625N	410974	7088995	16.0	5.4	50	0.6	15.7	3.6	48	0.91	0.094	22	28.8	0.59
MT1150E-600N	410971	7088970	25.8	6.7	34	0.3	5.3	8.2	48	0.73	0.100	26	28.0	0.46
MT1150E-575N	410971	7088943	69.5	4.4	49	0.4	13.8	20.0	34	1.29	0.104	20	24.0	0.45
MT1150E-550N	410968	7088920	229.6	3.9	48	0.7	22.8	27.8	25	1.62	0.087	17	20.6	0.38
MT1150E-525N	410965	7088892	126.2	3.1	45	0.4	36.3	19.0	24	1.16	0.077	16	18.1	0.34
MT1150E-500N	410962	7088868	45.1	2.3	43	0.9	122.5	18.1	41	0.69	0.113	26	32.1	0.54
MT1150E-475N	410955	7088841	22.5	3.7	38	0.4	27.2	6.4	43	0.35	0.087	21	28.3	0.43
MT1150E-450N	410956	7088818	15.9	6.0	25	0.4	13.4	3.4	42	0.34	0.085	22	26.0	0.42
MT1150E-425N	410956	7088793	21.7	4.0	16	0.3	19.7	4.4	45	0.16	0.061	16	27.9	0.41
MT1150E-400N	410957	7088774	13.8	8.3	19	0.5	15.1	2.7	46	0.21	0.078	25	28.3	0.45
MT1100E-675N	410921	7089038	13.7	6.7	55	0.2	2.3	1.5	36	0.78	0.070	21	27.9	0.52
MT1100E-650N	410919	7089015	9.1	5.2	51	0.3	4.0	1.5	31	1.05	0.063	19	26.4	0.51
MT1100E-625N	410921	7088992	29.2	5.3	46	0.4	51.9	2.9	49	0.91	0.075	22	31.3	0.62
MT1100E-600N	410919	7088966	227.4	3.6	38	0.5	10.1	35.3	35	1.16	0.097	20	26.4	0.47
MT1100E-575N	410924	7088939	209.2	5.0	35	0.5	11.9	27.3	33	0.83	0.075	20	19.5	0.41
MT1100E-550N	410918	7088913	72.0	4.3	30	0.3	23.5	20.5	38	0.70	0.067	21	26.8	0.48
MT1100E-525N	410913	7088889	135.2	3.8	42	0.5	17.2	20.0	35	0.92	0.070	20	21.5	0.42
MT1100E-500N	410913	7088868	52.9	5.1	34	1.9	230.2	13.8	40	0.27	0.073	24	26.9	0.40
MT1100E-475N	410915	7088838	68.4	6.0	50	0.5	53.8	9.0	38	0.53	0.075	25	23.1	0.40
MT1100E-425N	410913	7088793	132.3	7.5	27	0.6	12.9	6.1	48	0.35	0.079	30	28.6	0.42
MT1100E-400N	410910	7088768	249.7	5.4	20	0.2	7.9	3.1	46	0.24	0.076	24	25.4	0.41
MT1050E-650N	410869	7089024	0.7	3.2	14	0.2	0.9	0.9	46	0.18	0.036	14	21.1	0.26
MT1050E-625N	410871	7089000	3.9	8.5	34	0.3	2.9	1.2	45	0.49	0.067	26	34.6	0.85
MT1050E-600N	410871	7088971	13.7	4.6	59	0.6	20.8	6.4	42	1.18	0.095	23	26.9	0.54
MT1050E-575N	410867	7088947	60.2	2.7	28	0.4	8.8	11.1	33	0.95	0.081	16	20.5	0.37
MT1050E-550N	410869	7088923	106.3	2.9	50	0.6	10.4	23.7	32	1.28	0.104	21	22.5	0.43
MT1050E-525N	410867	7088899	90.4	3.8	44	0.6	12.6	11.4	33	1.06	0.067	22	20.2	0.40
MT1050E-500N	410867	7088869	103.8	6.6	65	0.6	88.7	25.3	37	0.59	0.080	26	23.0	0.51
MT1050E-475N	410867	7088845	171.4	6.0	37	0.3	77.1	18.4	35	0.40	0.068	26	24.0	1.31
MT1050E-450N	410864	7088820	117.8	6.3	44	0.4	19.5	23.0	45	0.48	0.077	29	26.6	0.41
MT1050E-425N	410862	7088802	35.0	8.6	25	0.5	9.1	6.5	50	0.29	0.082	29	29.2	0.47
MT1050E-400N	410865	7088765	15.6	9.5	30	0.5	6.6	2.4	50	0.34	0.090	29	29.6	0.49
MT100E-450S	409888	7087939	5.6	2.4	30	0.4	2.4	0.7	50	0.50	0.067	18	26.9	0.55
MT100E-425S	409894	7087962	5.2	4.2	30	0.4	3.7	0.7	50	0.43	0.070	21	27.9	0.55
MT100E-400S	409895	7087992	3.0	4.8	38	0.2	1.4	0.6	48	0.62	0.068	17	30.2	0.66
MT100E-375S	409893	7088013	6.3	3.1	68	0.3	1.9	0.5	49	1.37	0.062	16	27.2	0.63
MT100E-350S	409891	7088042	5.6	3.3	74	0.4	3.4	0.8	68	1.62	0.076	17	35.5	0.84
MT100E-325S	409885	7088074	6.9	6.4	85	0.5	1.9	1.6	65	1.31	0.091	20	35.8	0.94

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	UTM Coordinates														
	NAD83-Zone8														
	Easting	Northing													
MT1300E-275N	411106	7088633	295	0.079	1	1.38	0.009	0.10	6.5	0.06	3.8	0.2	0	5	0.0
MT1200E-650N	411017	7089009	217	0.038	5	2.37	0.074	0.05	0.4	0.05	3.4	0.1	0	6	0.6
MT1200E-625N	411015	7088988	291	0.056	2	2.08	0.060	0.07	1.6	0.06	3.7	0.2	0	7	0.6
MT1200E-600N	411014	7088962	201	0.023	6	1.98	0.106	0.04	0.5	0.04	2.4	0.1	0	6	0.7
MT1200E-575N	411013	7088935	198	0.043	2	1.61	0.030	0.18	0.9	0.04	6.6	0.2	0	5	0.0
MT1200E-550N	411014	7088911	204	0.017	9	1.93	0.030	0.05	0.4	0.07	2.1	0.1	0.14	5	1.0
MT1200E-525N	411013	7088884	204	0.020	4	1.49	0.019	0.04	0.5	0.05	2.2	0.1	0.07	4	1.1
MT1200E-500N	411012	7088859	244	0.018	2	1.95	0.009	0.05	0.7	0.09	3.1	0.2	0	6	0.9
MT1200E-475N	411015	7088835	214	0.038	3	1.75	0.013	0.05	1.9	0.05	2.8	0.1	0	6	0.7
MT1200E-450N	411010	7088814	187	0.046	1	1.26	0.011	0.05	2.8	0.08	2.5	0.1	0	4	0.6
MT1200E-425N	411011	7088784	208	0.053	1	1.39	0.008	0.06	1.8	0.08	2.7	0.2	0	4	0.5
MT1200E-400N	411011	7088756	225	0.058	0	1.21	0.009	0.09	1.6	0.05	2.7	0.2	0	4	0.6
MT1150E-650N	410977	7089018	200	0.052	3	1.78	0.064	0.05	1.0	0.04	2.8	0.1	0	5	0.7
MT1150E-625N	410974	7088995	279	0.055	3	2.04	0.066	0.06	0.6	0.06	3.9	0.2	0	6	0.0
MT1150E-600N	410971	7088970	218	0.055	3	1.39	0.027	0.05	1.6	0.07	2.7	0.1	0	4	0.8
MT1150E-575N	410971	7088943	224	0.029	4	1.82	0.036	0.04	0.7	0.08	3.0	0.1	0.07	5	0.9
MT1150E-550N	410968	7088920	204	0.030	9	1.57	0.031	0.04	0.4	0.06	2.3	0.1	0.07	5	0.9
MT1150E-525N	410965	7088892	207	0.022	4	1.48	0.043	0.03	0.6	0.07	1.8	0.1	0.08	4	0.9
MT1150E-500N	410962	7088868	280	0.023	3	1.87	0.013	0.06	0.5	0.07	2.8	0.2	0.1	6	1.2
MT1150E-475N	410955	7088841	236	0.037	1	1.79	0.012	0.06	1.1	0.06	2.8	0.2	0	6	1.2
MT1150E-450N	410956	7088818	206	0.044	1	1.48	0.010	0.06	2.0	0.05	2.8	0.2	0	5	0.8
MT1150E-425N	410956	7088793	151	0.042	1	1.34	0.006	0.05	1.2	0.04	2.1	0.2	0	5	0.6
MT1150E-400N	410957	7088774	203	0.058	1	1.32	0.007	0.07	2.6	0.10	2.8	0.2	0	5	0.5
MT1100E-675N	410921	7089038	226	0.063	2	2.36	0.065	0.05	0.5	0.05	3.2	0.1	0	7	0.6
MT1100E-650N	410919	7089015	195	0.057	3	1.97	0.069	0.05	0.4	0.03	3.0	0.1	0	6	0.0
MT1100E-625N	410921	7088992	300	0.070	5	2.02	0.060	0.07	1.1	0.03	4.1	0.2	0	6	0.5
MT1100E-600N	410919	7088966	222	0.037	4	1.71	0.031	0.05	0.4	0.05	2.9	0.1	0	5	0.8
MT1100E-575N	410924	7088939	166	0.041	6	1.19	0.018	0.04	0.9	0.04	2.5	0.1	0	3	0.5
MT1100E-550N	410918	7088913	305	0.025	4	1.58	0.017	0.05	0.4	0.05	3.8	0.1	0	5	0.6
MT1100E-525N	410913	7088889	227	0.029	4	1.67	0.037	0.05	0.7	0.04	2.5	0.1	0	5	0.6
MT1100E-500N	410913	7088868	192	0.038	2	1.38	0.010	0.06	0.8	0.07	3.7	0.2	0	5	1.3
MT1100E-475N	410915	7088838	162	0.050	1	1.52	0.013	0.06	2.0	0.04	2.6	0.2	0	5	0.6
MT1100E-425N	410913	7088793	227	0.057	2	1.68	0.012	0.06	3.0	0.07	3.1	0.2	0	6	0.8
MT1100E-400N	410910	7088768	166	0.056	1	1.34	0.008	0.07	2.6	0.04	2.3	0.2	0	4	0.6
MT1050E-650N	410869	7089024	109	0.052	1	1.76	0.010	0.04	0.3	0.05	2.1	0.1	0	6	0.0
MT1050E-625N	410871	7089000	263	0.081	1	2.40	0.014	0.26	0.3	0.05	4.7	0.5	0	8	0.0
MT1050E-600N	410871	7088971	239	0.054	5	2.12	0.082	0.06	0.7	0.06	3.5	0.2	0.06	7	0.0
MT1050E-575N	410867	7088947	198	0.021	3	1.40	0.018	0.04	0.4	0.06	1.9	0.1	0.1	5	0.5
MT1050E-550N	410869	7088923	233	0.028	4	1.82	0.032	0.06	0.4	0.06	2.3	0.1	0.08	6	0.0
MT1050E-525N	410867	7088899	216	0.027	2	1.39	0.038	0.04	0.6	0.05	2.3	0.1	0	4	0.5
MT1050E-500N	410867	7088869	280	0.037	2	1.55	0.023	0.07	1.7	0.04	3.2	0.1	0	5	0.6
MT1050E-475N	410867	7088845	595	0.028	1	1.71	0.009	0.05	0.7	0.05	3.5	0.2	0	5	0.0
MT1050E-450N	410864	7088820	241	0.050	2	1.74	0.021	0.07	3.3	0.05	3.0	0.2	0.06	6	0.7
MT1050E-425N	410862	7088802	187	0.066	3	1.46	0.012	0.08	3.6	0.04	2.9	0.2	0	5	1.0
MT1050E-400N	410865	7088765	177	0.082	2	1.33	0.010	0.08	7.3	0.03	2.7	0.2	0	5	0.5
MT100E-450S	409888	7087939	270	0.044	1	1.50	0.011	0.05	0.7	0.04	3.0	0.1	0	4	0.8
MT100E-425S	409894	7087962	337	0.054	1	1.46	0.015	0.07	0.5	0.05	3.7	0.2	0	4	0.6
MT100E-400S	409895	7087992	242	0.057	1	1.53	0.021	0.07	0.5	0.05	3.4	0.1	0	5	0.5
MT100E-375S	409893	7088013	230	0.046	4	1.48	0.039	0.06	0.7	0.06	2.8	0.1	0	5	1.2
MT100E-350S	409891	7088042	238	0.058	4	1.79	0.042	0.07	0.4	0.08	3.7	0.2	0.08	6	1.5
MT100E-325S	409885	7088074	186	0.080	2	2.00	0.068	0.10	0.6	0.04	4.3	0.2	0	7	0.7

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
	UTM Coordinates												
	NAD83-Zone8												
Easting	Northing												
MT100E-300S	409885	7088091	0.6	141.1	11.7	93	0.5	24.4	10.4	306	2.21	28.3	5.4
MT100E-300N	409910	7088693	0.6	76.9	14.5	68	0.3	25.6	10.6	419	2.21	56.9	0.8
MT100E-275N	409911	7088667	0.7	40.8	12.2	55	0.1	23.7	9.6	291	2.22	26.6	0.8
MT100E-250N	409914	7088645	0.6	30.4	11.8	62	0.1	24.3	8.9	312	2.18	15.3	0.8
MT100E-225N	409908	7088615	0.8	39.8	12.6	80	0.2	29.6	10.5	331	2.61	23.6	0.9
MT100E-200N	409913	7088588	0.9	33.4	11.9	79	0.2	26.4	8.3	276	2.33	23.8	0.7
MT1000E-800N	410823	7089162	1	72.8	16.7	86	0.3	32.3	18.5	533	3.52	363.4	3.8
MT1000E-750N	410822	7089116	1	25.1	9.2	74	0.1	24.1	10.3	400	2.47	33.5	1.4
MT1000E-700N	410821	7089069	0.9	26.5	9.8	70	0.1	25.5	10.7	364	2.57	139.4	1.3
MT1000E-675N	410820	7089038	0.9	45.2	17.7	98	0.2	32.4	12.6	434	2.97	160.1	1.5
MT1000E-650N	410819	7089015	0.7	22.9	13.5	54	0.1	20.5	8.1	383	1.99	52.1	0.8
MT1000E-625N	410819	7088991	0.8	52.6	24.2	80	1.3	22.8	10.9	538	2.32	122.3	0.8
MT1000E-600N	410820	7088970	0.9	82.8	19.0	80	0.4	22.8	6.9	321	3.07	416.9	2.2
MT1000E-575N	410830	7088944	0.2	51.8	39.0	165	0.8	24.1	11.8	1331	3.05	397.0	1.4
MT1000E-550N	410822	7088915	0.6	65.8	31.8	122	1.0	23.9	9.8	773	2.66	176.0	1.1
MT1000E-525N	410821	7088892	0.8	133.3	68.8	132	3.1	17.9	8.2	777	3.04	1888.9	2.3
MT1000E-500N	410821	7088874	1.2	56.3	12.3	57	0.5	15.1	6.5	311	2.37	384.1	1.9
MT1000E-475N	410816	7088844	1	82.0	14.6	69	0.7	18.8	8.6	493	2.56	473.8	2.6
MT1000E-450N	410814	7088820	1.5	220.3	12.9	75	1.0	22.3	12.1	576	3.07	1313.0	6.3
MT1000E-425N	410817	7088789	1.5	53.4	11.3	74	0.3	20.8	10.0	585	2.44	260.6	4.5
MT1000E-400N	410812	7088766	1.5	326.4	10.8	81	1.5	25.0	13.2	569	3.67	1296.9	10.6
MT000E-450S	409793	7087947	1.5	21.3	8.3	77	0.1	19.0	8.7	412	2.23	24.3	1.4
MT000E-425S	409791	7087969	1	26.6	7.7	60	0.1	21.3	7.8	216	2.06	16.1	0.9
MT000E-400S	409798	7087984	0.9	41.6	9.1	74	0.2	19.4	7.9	230	1.97	20.8	2.1
MT000E-375S	409796	7088016	2	47.5	9.0	76	0.3	24.5	11.1	449	2.90	70.4	2.5
MT000E-350S	409798	7088045	2.9	47.4	3.4	33	0.3	15.2	7.8	466	1.15	7.8	2.0
MT000E-325S	409796	7088067	1.8	63.1	8.2	71	0.4	23.9	9.6	559	1.92	14.5	3.7
MT000E-300S	409797	7088094	1.1	72.5	9.7	118	0.3	32.9	12.8	327	2.55	13.4	3.2
MT000E-275S	409796	7088123	0.5	79.4	17.6	61	0.4	20.6	9.5	298	1.87	20.1	2.1
MT000E-250S	409798	7088144	0.4	58.4	12.7	52	0.3	16.9	7.8	363	1.55	23.7	1.3
MT000E-225S	409798	7088170	0.6	113.3	20.1	58	0.5	21.4	9.9	264	2.20	23.3	1.6
MT000E-200S	409801	7088194	0.6	37.1	16.1	50	0.2	19.9	9.7	334	1.91	36.4	0.6
MT000E-175S	409797	7088226	0.5	107.0	13.4	48	0.4	18.3	8.3	303	2.05	55.7	0.7
MT000E-150S	409793	7088251	0.7	97.7	14.6	59	0.3	23.7	10.2	323	2.43	115.0	0.8
MT000-400N	409811	7088790	1.1	634.5	14.3	83	1.6	40.0	43.2	656	3.68	624.5	1.6
MT000-375N	409807	7088773	0.9	26.0	15.9	68	0.2	24.1	9.7	367	2.19	18.5	0.6
MT000-350N	409801	7088748	0.7	17.8	13.1	51	0.2	23.2	9.8	343	2.33	13.6	0.9
MT000-325N	409812	7088721	0.6	22.1	11.7	59	0.1	24.1	9.7	519	2.09	13.7	0.6
MT000-300N	409807	7088701	0.8	23.7	10.6	62	0.1	26.0	9.5	436	2.28	13.2	0.6
MT000-275N	409807	7088670	0.8	26.6	11.8	62	0.2	26.8	11.7	399	2.33	17.7	0.7
MT000-250N	409810	7088642	1.8	64.7	20.2	255	0.4	37.6	16.6	345	2.75	33.7	1.6
MT000-200N	409807	7088589	0.8	39.4	10.9	68	0.2	28.6	11.8	356	2.45	27.7	1.4

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

LOCATION														
Sample ID & Grid Coordinates	UTM Coordinates		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
	NAD83-Zone8													
	Easting	Northing												
MT100E-300S	409885	7088091	9.9	4.3	97	0.6	2.7	1.3	81	1.98	0.071	18	39.2	1.18
MT100E-300N	409910	7088693	15.4	4.7	78	0.5	1.4	2.3	42	1.51	0.090	21	31.2	0.55
MT100E-275N	409911	7088667	6.3	6.2	54	0.4	1.2	1.5	42	0.90	0.070	18	27.9	0.47
MT100E-250N	409914	7088645	16.3	6.5	53	0.4	1.2	0.4	47	0.96	0.088	20	29.2	0.50
MT100E-225N	409908	7088615	5.0	5.6	54	0.5	1.4	0.6	58	0.89	0.084	19	34.9	0.61
MT100E-200N	409913	7088588	4.4	4.4	36	0.4	1.9	1.0	49	0.58	0.076	16	32.0	0.52
MT1000E-800N	410823	7089162	29.1	7.7	74	0.5	3.2	4.1	47	0.55	0.070	33	29.9	0.87
MT1000E-750N	410822	7089116	2.6	5.4	35	0.3	1.0	0.8	46	0.39	0.053	23	26.4	0.56
MT1000E-700N	410821	7089069	11.0	6.2	39	0.3	2.1	1.5	45	0.40	0.057	23	26.7	0.54
MT1000E-675N	410820	7089038	10.5	8.0	80	0.5	1.5	1.1	45	1.30	0.045	32	31.0	0.68
MT1000E-650N	410819	7089015	13.9	3.6	65	0.4	1.4	0.8	34	1.39	0.052	19	21.9	0.47
MT1000E-625N	410819	7088991	51.8	4.4	61	0.9	3.3	26.0	37	1.28	0.041	21	20.8	0.63
MT1000E-600N	410820	7088970	27.9	8.2	41	0.3	27.0	6.9	34	1.17	0.136	46	23.9	0.30
MT1000E-575N	410830	7088944	179.1	8.8	68	1.8	76.3	17.0	26	1.35	0.115	44	20.6	0.80
MT1000E-550N	410822	7088915	97.8	5.8	53	1.1	114.9	6.8	33	0.96	0.105	34	21.7	0.78
MT1000E-525N	410821	7088892	585.7	3.9	61	1.6	155.5	28.2	28	1.36	0.115	25	20.0	0.52
MT1000E-500N	410821	7088874	18.8	1.3	23	0.3	8.4	4.9	45	0.23	0.067	16	24.1	0.34
MT1000E-475N	410816	7088844	58.8	2.8	27	0.4	59.4	7.9	41	0.33	0.064	26	24.9	0.40
MT1000E-450N	410814	7088820	161.4	8.7	49	0.5	18.6	17.6	48	0.42	0.091	32	30.3	0.48
MT1000E-425N	410817	7088789	47.0	7.3	30	0.4	9.2	3.9	51	0.32	0.082	31	32.1	0.47
MT1000E-400N	410812	7088766	86.8	7.3	32	0.5	38.0	27.7	48	0.29	0.074	33	29.5	0.46
MT000E-450S	409793	7087947	1.5	7.8	26	0.3	1.6	0.3	47	0.44	0.077	26	29.6	0.55
MT000E-425S	409791	7087969	4.5	5.2	33	0.2	1.6	0.3	39	0.44	0.069	17	23.1	0.50
MT000E-400S	409798	7087984	4.7	3.9	45	0.2	1.9	0.5	45	0.91	0.068	18	28.1	0.73
MT000E-375S	409796	7088016	4.8	4.0	67	0.4	3.7	0.6	57	1.54	0.087	18	31.2	0.80
MT000E-350S	409798	7088045	3.4	1.0	103	0.4	3.3	0.2	33	3.41	0.081	5	16.1	0.40
MT000E-325S	409796	7088067	6.4	1.7	96	0.3	2.9	0.3	68	2.57	0.083	11	32.5	1.00
MT000E-300S	409797	7088094	10.1	4.8	90	0.6	1.7	0.4	74	1.59	0.115	16	33.7	1.31
MT000E-275S	409796	7088123	7.6	2.2	90	0.4	2.5	0.5	43	2.51	0.060	17	28.2	0.88
MT000E-250S	409798	7088144	4.9	1.2	96	0.5	2.7	0.6	30	3.14	0.079	14	22.6	0.67
MT000E-225S	409798	7088170	4.5	2.5	90	0.4	2.6	1.5	40	2.14	0.054	22	28.5	0.94
MT000E-200S	409801	7088194	10.0	2.8	131	0.5	2.7	0.6	36	3.56	0.045	16	24.4	0.86
MT000E-175S	409797	7088226	7.5	2.4	102	0.4	3.3	3.7	31	1.82	0.056	21	23.2	0.72
MT000E-150S	409793	7088251	7.2	4.8	86	0.4	4.9	3.6	40	1.13	0.045	23	26.7	0.71
MT000-400N	409811	7088790	377.2	10.1	53	0.9	2.8	58.4	40	0.76	0.070	43	26.9	0.38
MT000-375N	409807	7088773	5.5	2.6	42	0.4	1.0	0.5	45	0.97	0.050	15	25.8	0.43
MT000-350N	409801	7088748	5.3	2.7	50	0.3	0.7	0.2	46	1.17	0.051	16	30.1	0.46
MT000-325N	409812	7088721	1.2	2.4	71	0.3	0.9	0.2	39	1.76	0.066	17	26.2	0.45
MT000-300N	409807	7088701	2.9	4.7	41	0.3	0.9	0.2	45	1.00	0.053	20	26.3	0.47
MT000-275N	409807	7088670	2.9	5.2	128	0.6	1.3	0.2	42	3.22	0.097	22	26.9	0.52
MT000-250N	409810	7088642	9.1	4.5	63	2.8	1.7	0.5	45	0.95	0.059	18	27.4	0.64
MT000-200N	409807	7088589	4.2	5.2	65	0.3	1.5	0.5	61	0.95	0.072	20	55.0	0.88

**TABLE 3. MAHTIN SOIL SAMPLE ASSAY DATA**

Sample ID & Grid Coordinates	LOCATION		Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	UTM Coordinates														
	NAD83-Zone8														
Easting	Northing														
MT100E-300S	409885	7088091	205	0.086	4	2.15	0.065	0.09	0.6	0.07	4.4	0.2	0.06	7	1.7
MT100E-300N	409910	7088693	273	0.046	3	2.01	0.086	0.07	0.6	0.07	3.5	0.1	0	7	0.6
MT100E-275N	409911	7088667	265	0.046	1	1.71	0.068	0.06	0.5	0.05	3.5	0.1	0	6	0.0
MT100E-250N	409914	7088645	245	0.054	2	1.74	0.064	0.06	0.5	0.05	3.7	0.1	0	6	0.0
MT100E-225N	409908	7088615	291	0.059	2	2.04	0.060	0.08	0.3	0.06	4.5	0.2	0	6	0.5
MT100E-200N	409913	7088588	284	0.045	1	1.83	0.027	0.07	0.3	0.03	4.0	0.1	0	6	0.0
MT1000E-800N	410823	7089162	166	0.048	2	1.72	0.025	0.11	0.4	0.04	5.5	0.2	0	6	0.0
MT1000E-750N	410822	7089116	306	0.065	1	1.81	0.028	0.09	0.3	0.04	3.3	0.2	0	6	0.6
MT1000E-700N	410821	7089069	219	0.057	1	2.02	0.026	0.08	0.7	0.03	3.2	0.2	0	6	0.5
MT1000E-675N	410820	7089038	326	0.062	3	2.81	0.089	0.08	0.4	0.05	4.2	0.3	0	7	0.5
MT1000E-650N	410819	7089015	210	0.039	3	1.72	0.058	0.06	0.5	0.05	2.5	0.2	0.06	5	0.5
MT1000E-625N	410819	7088991	187	0.046	3	1.49	0.038	0.09	0.3	0.07	3.2	0.2	0	5	0.6
MT1000E-600N	410820	7088970	164	0.007	2	1.39	0.032	0.03	0.3	0.08	5.4	0.2	0	5	0.6
MT1000E-575N	410830	7088944	1285	0.012	8	1.59	0.019	0.18	0.4	0.06	6.1	0.3	0	5	0.0
MT1000E-550N	410822	7088915	810	0.017	6	1.58	0.017	0.09	0.6	0.04	5.0	0.2	0	5	0.0
MT1000E-525N	410821	7088892	331	0.024	11	1.49	0.030	0.13	0.5	0.09	3.8	0.4	0.19	5	1.4
MT1000E-500N	410821	7088874	157	0.035	2	1.78	0.010	0.05	0.6	0.07	2.0	0.2	0.06	7	0.6
MT1000E-475N	410816	7088844	192	0.028	2	1.61	0.017	0.06	1.3	0.09	2.5	0.2	0	6	0.7
MT1000E-450N	410814	7088820	261	0.067	1	1.83	0.019	0.10	3.8	0.06	3.8	0.2	0	7	1.3
MT1000E-425N	410817	7088789	248	0.069	1	1.52	0.014	0.08	4.2	0.05	3.1	0.2	0	5	0.5
MT1000E-400N	410812	7088766	333	0.049	1	1.82	0.012	0.06	3.8	0.06	3.5	0.2	0	6	1.2
MT000E-450S	409793	7087947	175	0.068	1	1.30	0.015	0.07	0.8	0.02	3.0	0.2	0	5	0.5
MT000E-425S	409791	7087969	166	0.055	1	1.13	0.019	0.07	0.5	0.03	2.8	0.1	0	4	0.0
MT000E-400S	409798	7087984	172	0.059	3	1.48	0.025	0.06	1.0	0.06	3.2	0.2	0	5	1.1
MT000E-375S	409796	7088016	294	0.068	2	1.65	0.032	0.07	0.6	0.06	3.4	0.2	0.08	6	1.5
MT000E-350S	409798	7088045	212	0.028	5	0.88	0.016	0.04	0.1	0.10	1.5	0.1	0.26	3	1.6
MT000E-325S	409796	7088067	245	0.057	5	1.77	0.037	0.07	0.2	0.06	2.7	0.2	0.16	6	2.1
MT000E-300S	409797	7088094	305	0.071	3	2.31	0.046	0.18	0.2	0.05	3.8	0.2	0.06	8	1.3
MT000E-275S	409796	7088123	231	0.039	7	1.81	0.049	0.06	0.3	0.06	2.6	0.2	0.1	6	1.5
MT000E-250S	409798	7088144	252	0.024	6	1.44	0.037	0.05	0.2	0.08	1.8	0.2	0.13	5	1.5
MT000E-225S	409798	7088170	245	0.041	5	1.95	0.053	0.07	0.9	0.07	2.9	0.3	0.07	7	1.4
MT000E-200S	409801	7088194	230	0.040	5	1.68	0.049	0.06	0.5	0.05	2.7	0.2	0	6	0.6
MT000E-175S	409797	7088226	212	0.026	3	1.75	0.048	0.05	1.1	0.05	2.8	0.1	0	6	1.0
MT000E-150S	409793	7088251	197	0.037	3	1.84	0.049	0.07	0.7	0.03	3.9	0.1	0	6	1.0
MT000-400N	409811	7088790	169	0.038	2	1.54	0.044	0.06	1.0	0.04	3.8	0.1	0	5	3.3
MT000-375N	409807	7088773	168	0.038	2	1.84	0.033	0.06	0.3	0.05	2.8	0.1	0	6	0.5
MT000-350N	409801	7088748	253	0.031	2	2.20	0.060	0.05	0.2	0.06	3.0	0.1	0	6	0.0
MT000-325N	409812	7088721	294	0.034	3	1.71	0.077	0.08	0.2	0.05	2.7	0.1	0	5	0.8
MT000-300N	409807	7088701	236	0.048	2	1.33	0.041	0.06	0.4	0.04	3.1	0.1	0	4	0.0
MT000-275N	409807	7088670	249	0.053	4	2.06	0.100	0.09	0.6	0.05	2.8	0.1	0	7	0.0
MT000-250N	409810	7088642	252	0.052	2	1.88	0.062	0.07	0.4	0.04	3.5	0.2	0	6	0.8
MT000-200N	409807	7088589	292	0.080	2	2.40	0.078	0.12	0.3	0.03	4.2	0.2	0	8	0.7



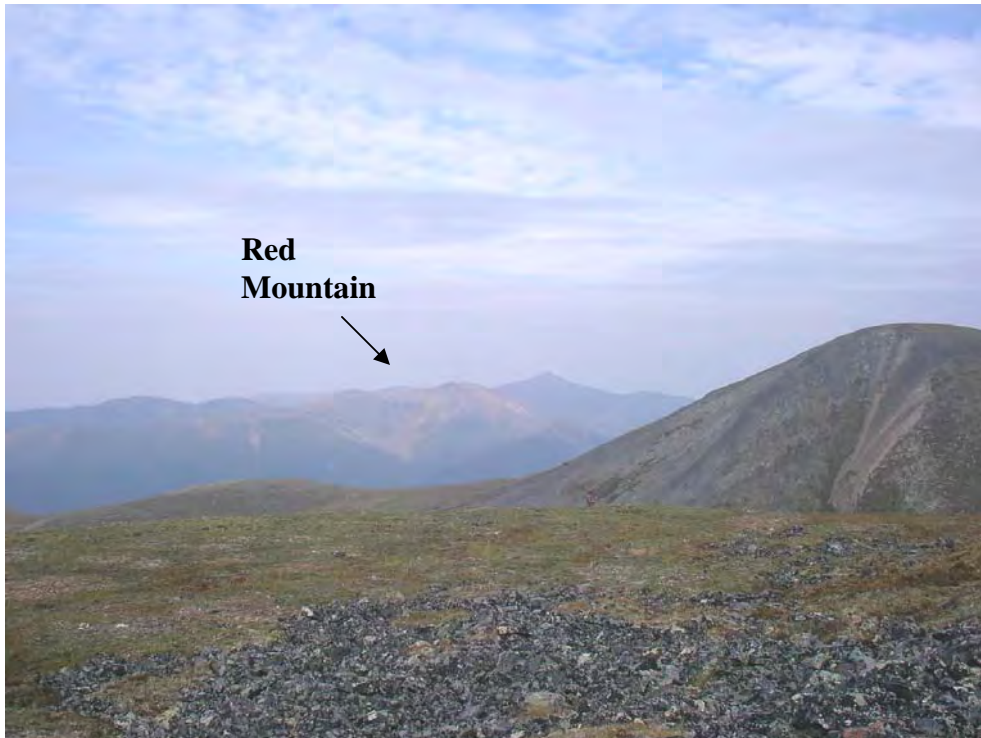


Photo 1. Looking NNE across the Mahtin property (foreground) toward the Red Mountain Property



Photo 2. Looking southeast along Bolivia Creek, across sediment intrusive contact which is highlighted by the gossanous zone along the creek behind camp.



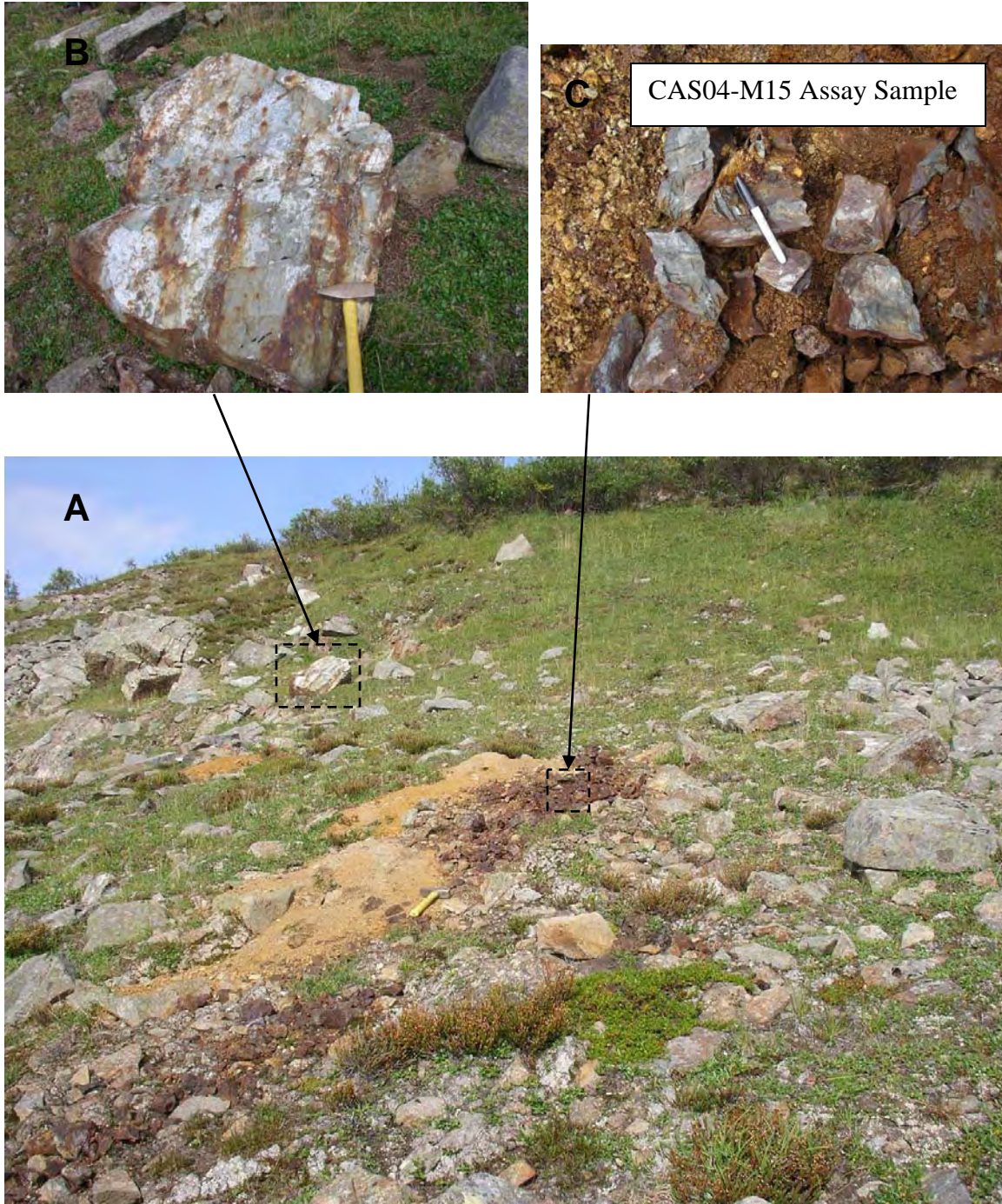


Photo 3.A. Bedding parallel sulphide replacement zone with Rabbitkettle formation limy sediments near contact with intrusive rocks in the poorly exposed area to the right.

B. Area of partial sulphide replacement paralleling bedding proximal to the intensely altered zone.

C. Sulphide in gossanous and brecciated sediment (3.88 g/t Au in Assay, CAS04-15)



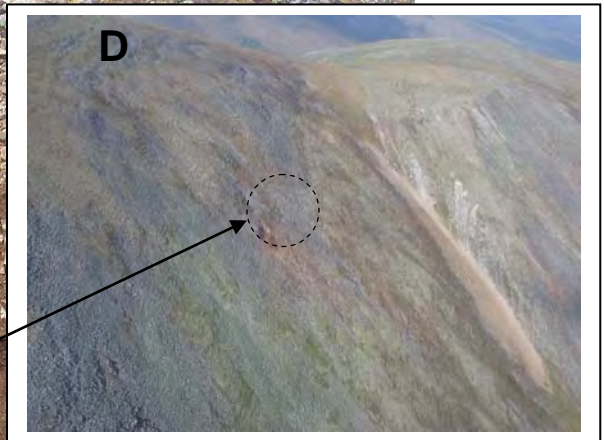
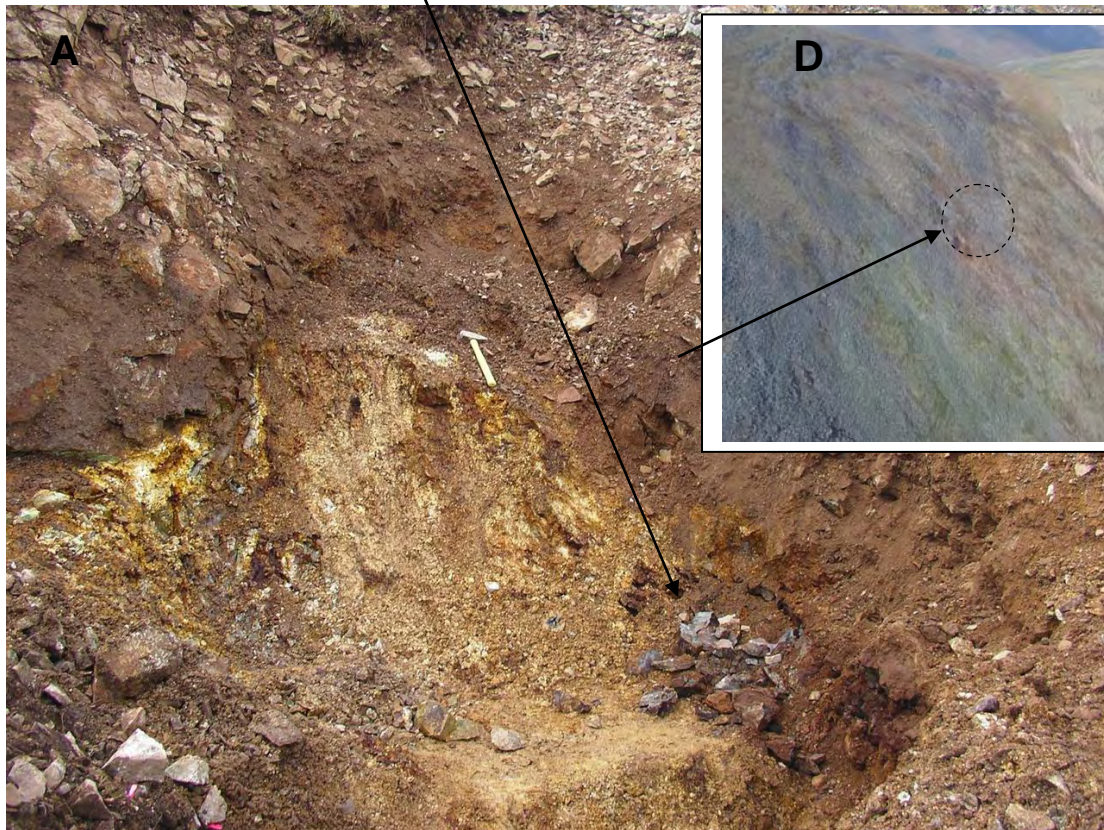


Photo 2.A. Pit excavated through steep felsenmeer slope to test magnetic anomaly.  
 B. Angular talus of banded and brecciated arsenopyrite-pyrrhotite skarn  
 C. Banded arsenopyrite-pyrrhotite skarn (Assays CAS04-M6 1&2)  
 E. View of pit in steep felsenmeer slope take from the air.